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Patrick M. Blair, P.E. , S.I.
Senior Professional Engineer

Structural Engineer with over 20 years of structural design, threshold inspections, forensic inspections, and Project Management experience. Experience with a vast range of projects and structure types including; condominiums, parking garages, Hurricane Shelters, schools, residential housing, industrial facilities, office buildings, box stores, marine berths, University gymnasiums, and many others.

Forensic engineering experience with hundreds of inspections involving such sources of failure as; hail, wind, tile damage, water loss, water intrusion, mold, structural damage and many others.

Licensed Special inspector in the state of Florida. Performed inspections on structures with a large risk to human life such as; high rise buildings, hospitals, schools, and others.

WORK EXPERIENCE

OMEGA FORENSIC ENGINEERING, INC.

2015 – Present

Performs forensic evaluations of buildings and structures to evaluate cause and origin of distressed conditions. Evaluations typically include inspections, documentation, and engineering reports. Performed hundreds of inspections involving many different sources of failure such as; hail, wind, tile damage, water loss, water intrusion, mold and structural damage and many others.

Director of Engineering- Tampa Port Authority

September 2011– Present

Direct Port Tampa Bay's marine engineering functions and facilities construction to ensure the Port functions effectively in the movement of passengers and cargo.

Manage the 17 person Engineering Department, outside engineering consultants and contractors that are involved in the Port's \$60 million annual capital program.

Oversee the planning and development of the annual budget; sets projects scope/budget; participates in planning of facilities for development; ensures requirements for environmental permitting, dredging, and land upgrading are met and the marine structures, port roads and parking areas, cargo storage areas, storm and sanitary sewers, building facilities. marine terminal, navigational channels, berths and wharves are planned and designed to support the Port.

Structural Engineer - Weber and Tinnen Structural Engineers

March 2005–September 2011

Acted as Design Consultant on a vast variety of Structures. Developed, reviewed , and updated specifications on a job by job basis. Created design and development drawings based on Architectural drawings. Perform analysis using 3d modeling software, including Bentley and Risa software series. Designed Reinforced Concrete, Masonry, Structural Steel and Timber to meet all current design standards, practices and codes. Produced and reviewed construction contract documents on schedule and within project budget.. Reviewed shop drawings, manufactures submittals, and answered all field related questions and RFI's.

As Special Inspector, performed Threshold Inspections on structures with a significant risk to life. Observed, inspected, and supervised every structural aspect of the construction, to include all elements of the Main Wind Force Resisting System and Components and Cladding. Provided a full detailed report on items observed after every inspection. Involved in the construction process from foundation to completion and resolution of all field issues.

Project Manager - Blair & Co.

February 2002 – March 2006

Responsible for planning, design, construction and direction of all key aspects of projects. Coordinate planning, design, cost-engineering, construction, and environmental impacts for High End Residential projects. Control and manage the project budgets and schedules, assuring that the customers requirements are met. Oversee every aspect of project to ensure all local, state, and federal codes are met or exceeded. In charge of quality control and safety, to include sub-contractors, manufacturer and local labor.

ACCREDITATIONS AND AWARDS

Professional Engineer
Special Inspector
Army Achievement Medal
Nato Medal Yugoslavia
Nato Medal Kosovo
Leadership Tampa Bay 2014

EDUCATION

Bachelor of Science, Civil Engineering
University of South Florida, Tampa (May 2006)