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G
E** ENGINEERING, INC.

WIMAL SUARIS, PhD, P.E. – CHIEF ENGINEER

SUMMARY OF QUALIFICATIONS:

Over 24 years of work experience as a Structural Engineering Consultant for numerous commercial and residential projects, failure analysis and expert witness testimony. College Professor of civil and architectural engineering since 1987.

EDUCATION:

NORTHWESTERN UNIVERSITY, Evanston, IL
PhD CIVIL ENGINEERING 1983

WORK EXPERIENCE:

08/09- Present DLG ENGINEERING, INC. South Miami, FL
VICE PRESIDENT/ CHIEF ENGINEER

1987- Present **ASSOC. PROF. OF CIVIL AND ARCHITECTURAL ENGINEERING**

Teaching

Mechanics of Solids I,II - Design of Steel Structures- Design of Concrete Structures - Senior Design Project - Prestressed Concrete Structures (graduate level) - Reinforced Masonry Design (Grad. level) - Advanced Design of Steel Structures (Graduate Level) - Structural Dynamics (Grad. Level) - Engineering Fracture Mechanics (Grad. Level) - Advanced Topics in Concrete (Grad. Level)

2007- Present **MIAMI WIND™ RESEARCH COLLABORATIVE FOR WIND ENGINEERING**

Director

1985- Present **STRUCTURAL ENGINEERING CONSULTANT**

Structural Design Projects:

YMCA, Charlotte North Carolina, 2005

Georgia World Congress Center, Atlanta, 2003

Valencia Community College, Public safety Institute, Aircraft Rescue and Fire fighting facility, Orlando Airport, (2001-2003)

YMCA, East Lakes, Atlanta, 2001-2003

Concourse E Extension, Hartsfield Int. Airport, Atlanta, 1999-2002

Miscellaneous building additions for Miami Dade County Public Schools- Miami Norland Senior High, Miami Springs Senior High, Hialeah-Miami Lakes Senior

High, Southwest Miami Senior High, Braddock Senior High, 1999

Analysis and design of discharge conduits for Everglades Restoration Project, South Florida Water Management District. 1998-1999

Design of height restrictor barriers and the design of framing for supporting new cooling towers at the Miami International Airport, 1999- 2003

Analysis and design of buried drainage Structures for the 5th runway, Hartsfield International Airport, Atlanta. 2000

Analysis of pipe lines for surcharge loads, Atlanta Fulton County Water Treatment Plant. 2001-2004

Failure Analysis and Rehabilitative Projects:

Structural condition assessment of 75-year historic schools for the Miami-Dade County public schools and directing structural repairs and retrofitting- Miami Senior High, Shenandoah Middle School and W.J. Bryan Elementary 2003.

Structural failure analysis and retrofitting-MDCPS schools Marjorie Stoneman Douglas Elementary, Howard Doolin Middle (2003)

Failure analysis and hurricane hazard mitigation studies-Miami Dade Aviation Department - Building 5 &33, Commissary building, aircraft hangars

Structural evaluation of weather station towers- South Florida Water management District, 2003

Structural Review Projects:

Shaw Park Cultural Center, Trinidad and Tobago, 2006

DNA Building, Trinidad and Tobago, 2005

Review of Mounting of DMS signs, FDOT 2006,

Review of structural designs for IVHS sign bridges. Florida Department of Transportation.1997

Failure analysis and Evaluation of Construction deficiencies in residential and commercial structures; evaluation of unsafe structures and evaluation of building products in the aftermath of hurricane Andrew- Dade County Dept. Of Building and Zoning, 1992-93.

AWARDS:

Sanford E. Thompson Award presented by ASTM Committee C9 on Cement and Concrete, 1983.

Award for Outstanding Service, ASCE, 1986.

Teaching Awards received; Excellence in Teaching Award, XI Epsilon, 1987.

REFERENCES:

Available upon request.