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STEVEN J. FAUPEL, E.I.
STAFF CONSULTANT

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Mr. Faupel is a Staff Consultant with an emphasis in structures at Engineering Systems Inc. (ESi). Mr. Faupel has been involved in the analysis, design, construction inspection, and forensic investigation of residential and commercial related structures. Mr. Faupel has the education necessary, as well as the knowledge of engineering software and technical experience, to handle all the various aspects of engineering analysis and design.

Mr. Faupel has experience in structural inspection of high rise structures, low rise structures, as well as residential structures. In addition to work experience, Mr. Faupel also gained practical construction experience through his volunteer efforts with Habitat for Humanity in the Central Florida area.

Areas of Specialization

Structural Design
Structural Analysis
Property Loss Investigations
Use of Engineering Software
Structural Forensic Investigations
Weather Damage and Water Intrusion

Education

M.S., Civil/Structural Engineering, Florida International University, 2016
B.S., Civil Engineering, University of Central Florida, 2015

Licensed Engineer Intern (E.I.)

State of Florida License No. 1100019568

January 2019

Professional Affiliations/Honors

American Society of Civil Engineers (ASCE)
Habitat for Humanity

Positions Held

Engineering Systems Inc., Miami, Florida

Staff Consultant, 2017 – Present

Bliss & Nyitray, Inc., Coral Gables, Florida

Engineering Intern, 2016 – 2017

Technical Publications

“*Biaxial Loading Behavior of Concrete*”, Steven Faupel. Written for Advanced Reinforced Concrete Design course, Florida International University, 2016.

“*Wind Performance of Gable Vs Hip Roofs*”, Steven Faupel. Written for Topics in Wind Engineering course, Florida International University, 2016.

Building Codes Utilized Throughout Engineering Career

Florida Building Code (FBC), International Building Code (IBC), American Concrete Institute (ACI) ACI 318 – Building Code Requirements for Reinforced Concrete, ACI 350 – Code Requirements for Environmental Engineering Concrete Structures, Various ASTM standards, American Institute of Steel Construction (AISC) Manual of Steel Construction, American Association of State Highway and Transportation Officials (AASHTO) Bridge Design Specifications and Standard Specifications for Highway Bridges, Florida Department of Transportation (FDOT), American Society of Civil Engineers (ASCE) ASCE 7 – Minimum Design Loads for Buildings and Other Structures, as well as many others

Training and Certification

OSHA 30-hour Construction Safety Training

FAA Remote Pilot Unmanned Aircraft License