



MATTHEW R. DEPIN, EI
Project Engineer

Education:

B.S.C.E.; Civil / Structures: University of South Florida

Professional Registration:

FE 1100014657 / FL [Engineer Intern Registration: State of Florida]

Professional Affiliations:

American Society of Civil Engineers (ASCE) – Member
Florida Association of Sinkhole Stabilization Specialist (FAS3) – Member
Florida Engineering Society (FES) – Member
National Society of Professional Engineers - Member

Urban Search and Rescue Qualifications:

Bracken Engineering [Engineering Response Team] – Member

Summary of Experience:

Mr. Depin's training, experience and practice includes structural engineering and forensic investigations.

Within the structural engineering arena, Mr. Depin has performed design, analysis and evaluation of concrete, masonry, wood, and steel structures. His design responsibilities have included Insulating Concrete Forms (ICF) wall design, hollow core slab structures, structural steel roof systems, and foundation stabilization and restoration.

Within the forensic arena, Mr. Depin has participated in field data acquisition and information management in support of forensic investigations and construction monitoring.

Research:

In conjunction with Bracken Engineering, Mr. Depin has participated in the development of industry standard protocols and procedures in the development of horizontal surface topographic mapping. Horizontal surface topographic mapping is a diagnostic tool used in a non-destructive nature when assessing structures that have been affected by differential displacement. This method is valuable when determining the nature of structural damages and deficiencies.

Seminars Attended:

“ISO Elevation Certificate Training,” Hillsborough County Emergency Operations Center. July 13, 2010. Tampa, FL.

“ATC 20 & ATC 45 Training Course,” Applied Technology Council. June 17, 2010. Tampa, FL.



Building Structures Experience:

Mr. Depin's experience includes design and analysis of residential and low-rise commercial structures. These structures typically utilize masonry, steel, cast-in-place concrete, timber and conventional frame construction. As the owner's representative, he has performed construction supervision as well as shop drawing development and review. Some projects of particular interest are listed:

Henriquez Residence Engineering Design, Odessa, Florida. Engineer responsible for the design and construction support of this residence. This structure consisted of a two story addition to an existing stand alone garage that utilized typical commercial building materials such as: hollow core slabs, insulated concrete wall system, masonry and light gauge steel interior walls, elevator installation, and a structural steel roof system.