



2870 Scherer Drive  
Suite 200  
St. Petersburg, FL 33716

**WILLIAM PELTON, E.I.**  
**SENIOR STAFF CONSULTANT**  
[wepelton@engsys.com](mailto:wepelton@engsys.com)

William Pelton is a Senior Staff Consultant for ESi. Mr. Pelton has professional experience of over 6 years in forensic engineering and project management. He possesses skills in a wide range of engineering services with an extensive knowledge in structural problems and deficiencies. He specializes in performing assessments of roofing systems, façade systems, and parking deck structures for commercial and residential properties to determine the extent of damage that may have resulted from exposure to wind/hail or other natural weather phenomena, and subsequently resulted in water intrusion or other damage to the structure. Additionally, his work has included investigations of construction defects for residential and commercial structures. He has provided his clients with design/repair drawings and specifications to remediate damage on existing structures, as well as performed construction administration services on the repairs after they are completed. He has extensive knowledge in the application of various building codes and safety codes and how they apply to the repair and remediation of existing structures.

Mr. Pelton has also performed geotechnical assessments of soils and building foundations using in-situ soil testing (cone penetrometer test) and soil density testing (proctor compaction test) to determine the cause, origin, extent of damage to building foundation components (footings, slabs, drainage systems). He has performed material testing for soils and concrete on construction sites, and well as in lab testing of materials as well.

Mr. Pelton also has experience with performing wind uplift pressure calculations for roofing systems on residential and commercial structures. He is familiar with the composition and installation methods for residential and commercial roofing systems, and how wind uplift pressures and building code requirements determine the composition and installation of these roofing systems.

**Areas of Specialization**

Structural Forensics  
Commercial Structures  
Residential Structures  
Infrastructure  
Storm Water Investigation

**Education**

B.S., Civil Engineering, University of Minnesota Duluth, 2015



William Pelton, E.I.  
*January 2024*

## **Certifications / Trainings**

Fundamentals of Engineering, EIT

## **Positions Held**

### **Engineering Systems Inc., St. Petersburg, Florida**

Senior Staff Consultant, 2024 - Present

### **P. Marshall & Associates, Roswell, Georgia**

Staff Engineer, 2018 – 2023

### **Penta Engineering, Norcross Georgia**

Staff Engineer, 2017-2018

### **Braun Intertec, Hibbing, Minnesota)**

Construction Material Technician, 2014-2017