



ASHLEY N. SOLEK, E.I.
SENIOR STAFF CONSULTANT

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Ms. Ashley Solek is a senior staff consultant in the Civil Engineering Practice Group with Engineering Systems, Inc. (ESi). Ms. Solek has been with ESI for 6 years, specializing in forensic and investigation related services. She has a wide range of experience with the following services: cause and origin, scope of damage, scope of repairs, repair protocols, repairability, and failure analysis. Her work has included, but is not limited to, investigations of both commercial and residential fire losses, storm damage, window and door assembly damage, and truss analysis.

Ms. Solek specializes in commercial and residential roof damage assessments due to wind, hail, moisture intrusion, and fire damage. Due to her work with ESI, she is familiar with various types of roofing, including asphalt shingles, TPO, clay and concrete tile, metal panels, and built-up roofing systems. Her work in these areas include cause and origin or roof covering damage, scope of damage, scope of repairs, and repairability of roof coverings. Ms. Solek also has experience with commercial and residential evaluation of damage to window and door assemblies due to wind, hail, moisture intrusion, and manufacturing and installation defects.

Areas of Specialization

Cause and Origin Damage Assessments
Roof Damage Assessments (Hail & Wind)
Water Leakage Investigations
Building Envelope Investigations
Design and Analysis of Commercial and Residential Structures
Building Code Analysis

Education

M.S., Structural Engineering. Florida State University. 2018
B.S., Structural Engineering. Florida State University. 2017

Professional Licensures

State of Florida Fundamentals of Engineering (F.E.), License Number: EI.1100021576

Professional Affiliations

Florida Engineering Society (FES)
American Society of Civil Engineers (ASCE)
American Concrete Institute (ACI)



Positions Held

Engineering Systems Inc., Tampa Bay

Senior Staff Consultant, 2024 - present

Staff Consultant, 2019 – 2023

Barkley Consulting Engineers, Inc., Tallahassee

Structural Engineer in Training, 2016 – 2019