



ZACHARY J. BAKER, E.I.T.
SENIOR STAFF CONSULTANT

zjbaker@engsys.com

Zachary Baker is a Senior Staff Consultant for ESi. Mr. Baker specializes in aspects of engineering relating to structures. He has performed forensic inspections on buildings damaged by wind, hail, water intrusion, and fire, as well as buildings with issues related to construction defects. He has performed structural analysis and design on a variety of structures, including retrofit designs for existing structures with damaged elements. He is also capable of providing walkway audits for slip and fall hazard assessments.

Areas of Specialization

Structural Analysis

Structural Design

Repair and Renovation Design

Water Intrusion Investigations

Failure Analysis

Structural Forensic Investigations

Weather Damage

Slips and Falls

Education

B.S. Civil Engineering, with Distinction, University of Minnesota, Minneapolis, MN, 2021

Certifications

Engineer In-Training (EIT), State of Minnesota, Certification No. 162065

Walkway Audit Certificate Holder, National Floor Safety Institute, Certificate No. 00212

Certified FARO Operator

Professional Affiliations

American Society of Civil Engineers (ASCE)

Member

Positions Held

Engineering Systems Inc., Plymouth, Minnesota

Senior Staff Consultant, 2024 – Present

Staff Consultant, 2021 – 2023

Structural Engineering Intern, 2020 – 2021

Bolton and Menk, Inc., Maplewood, Minnesota

Engineering Intern, 2017 – 2019

Presentations

“Evaluating Cosmetic and Functional Hail Damage”, **Z.J. Baker**, presented at the League of Minnesota Cities Seminar, St. Paul, MN, 2023