



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

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Zachary Baker is a 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

Professional Affiliations

American Society of Civil Engineers (ASCE)

Member

Positions Held

Engineering Systems Inc., Plymouth, Minnesota

Staff Consultant, 2021 – Present

Engineering Systems Inc., Plymouth, Minnesota

Structural Engineering Intern, 2020 – 2021



Zachary J. Baker
August 2021

Bolton and Menk, Inc., Maplewood, Minnesota
Engineering Intern, 2017 – 2019