JESSIE KRAMER, M.S., P.E.



EDUCATION:

M.S. in Civil Engineering, Structural Emphasis, Colorado School of Mines, Golden, CO 2018
B.S. in Civil Engineering, Structural Emphasis, Colorado School of Mines, Golden, CO 2017

REGISTRATION:

Licensed Professional Engineer in the following States:
Colorado, Arizona, Utah, New Mexico, Wyoming, Montana

EXPERIENCE:

Project Manager, Knott Laboratory, LLC, Centennial, Colorado, November 2025 to Present
Project Engineer, Envista Forensics, Denver, Colorado, October 2022 to November 2025
Professional Engineer, Martin/Martin Consulting Engineers, Lakewood, Colorado, August 2018 to October 2022

FORENSIC ENGINEERING:

Ms. Kramer has over four years of experience as a forensic engineer, working closely with homeowners' associations, property managers, insurance companies, public agencies, and legal professionals on matters involving residential, commercial, and institutional properties. Her work has addressed damage associated with moisture intrusion, differential foundation movement, post-tensioned concrete distress, impact events, fire exposure, weather-related loading (snow, wind, and rain), hail damage, and construction- or design-related deficiencies.

Ms. Kramer's forensic evaluations focus on documenting observed conditions, determining the cause and extent of damage, assessing structural safety, and developing practical repair and mitigation recommendations, including preparation of construction documents and engineering support during repair implementation. In addition, she has served as a third-party consultant on post-tensioned concrete construction issues and has provided condition assessments of large mixed-use and commercial campuses, including concrete parking garages. Her post-tensioned concrete experience allows her to evaluate design and construction related performance both new and existing structures. Ms. Kramer has performed both non-destructive and destructive testing of architectural and structural components, including concrete sounding, elevation surveys, and selective exposure of concealed conditions.

CONSULTING ENGINEER EXPERIENCE:

Ms. Kramer has performed structural analysis, new design, condition assessments, investigations, and repair design for a wide range of building types, including commercial, residential, agricultural, and historic structures. Her background in new design includes the development and evaluation of gravity and lateral systems utilizing steel, mild reinforced and post-tensioned concrete, masonry, wood, and cold-formed steel. She has designed elements such as post-tensioned concrete podium slabs, steel pergolas, wood trusses, and concrete transfer walls.

In the existing building sector, her design work primarily focused on alterations and renovations. She provides creative, code-compliant repair recommendations for clients in both the private and public sectors and prioritizes constructability and practicality of designed elements. Throughout her career, Ms. Kramer has collaborated closely with architects, developers, owners, and contractors, providing clear communication and technically sound solutions. She has applied structural design and analysis standards developed by the American Society of Civil Engineers, American Concrete Institute, and American Institute of Steel Construction and has knowledge of modern repair techniques.

MEMBERSHIPS AND PROFESSIONAL AFFILIATIONS:

ASCE	American Society of Civil Engineers
SEAC	Structural Engineer Association of Colorado, SEER Committee member, Existing Building Committee Member
PTI	Post-Tensioning Institute