

SAM DOUGHERTY, M.S., P.E.

EDUCATION:

M.S. in Civil Engineering, University of Washington, Seattle, Washington, 2015
B.S. in Civil Engineering, University of Washington, Seattle, Washington, 2014

REGISTRATION:

Licensed Professional Engineering (P.E.) in the following States:
Washington, Arizona, and Colorado

EXPERIENCE:

Project Manager; Knott Laboratory, LLC, Phoenix, Arizona, 2025 to Current
Project Engineer, Knott Laboratory, LLC, Phoenix, Arizona, 2022 to 2024
Project Engineer, Meyer Borgman Johnson, Tempe, Arizona, 2021 to 2022
Design Engineer, CKC Engineers, LLC, Bellevue Washington, 2019 to 2021
Design Engineer, AJP Engineering, Seattle, Washington, 2016 to 2019



FORENSIC ENGINEERING:

Mr. Dougherty has investigated structural damage due to rot, fire, and foundation settling. He has provided reports on structural evaluation as well as details for repair of existing conditions.

CIVIL ENGINEERING DESIGN:

Mr. Dougherty has experience in civil site design for new construction and reconstruction in residential projects. His background includes site layout, grading and drainage, and erosion control. Mr. Dougherty is skilled in preparing professional documents such as proposals, civil construction plans, and cost estimates. Mr. Dougherty has been the engineer-of-record for civil projects including site plans, retaining wall reconstruction, and grading and drainage reconstruction. He also understands jurisdictional code requirements and engineering standards used in civil design and construction.

STRUCTURAL ENGINEERING DESIGN:

Mr. Dougherty has experience in wood, concrete, steel, CMU, and cold-formed steel designs. His experience has been in most stages of the design process: client coordination, schematic design, design development, construction documents, and construction administration in both new design and reconstruction. Mr. Dougherty has extensive experience in the design and detailing of wood apartment buildings in both seismic and wind-controlled locations. Some examples of these include the following:

- Designed and coordinated construction on wood apartment building in Bloomington, Minnesota
- Designed and modeled multiple wood apartment building in Seattle, Washington
- Designed seismic retro-fit solution for wood/brick masonry apartment building in Seattle, Washington

Mr. Dougherty is skilled in preparing professional documents such as proposals, structural construction plans, structural calculation packages, and reports. He also understands jurisdictional code requirements and engineering standards used in structural design and construction.