

EDUCATION:

B.S. University of Colorado at Denver, Denver, Colorado, 2004

REGISTRATION:

Registered Professional Civil Engineer in the following States:

Colorado, Kansas, Missouri, and Nebraska

National Council of Examiners for Engineering and Land Surveying (NCEES) Record Holder



EXPERIENCE:

Vice President of Engineering, Knott Laboratory, LLC, Centennial, CO, January 2025 to Present

Director of Engineering, Knott Laboratory, LLC, Centennial, CO, January 2020 to January 2025

Engineering Manager, Knott Laboratory, LLC, Centennial, CO, January 2018 to January 2020

Engineer, Knott Laboratory, LLC, Centennial, Colorado, January 2015 to January 2018

Consulting Engineer, Engineering Design & Testing Corp., Englewood, CO, 2012–2014

Owner/Principal, CRC Engineering, LLC., Lakewood, CO, 2010–2012

Design Engineer, Ascent Group, Inc., Denver, CO; 2005–2010

Design Engineer, The Weintraub Organization, Centennial, CO, 2004–2005

Survey Crew Chief, Ehrhart Griffin & Associates, Omaha, NE, 1998–2001

Survey Crew Chief, Brosz Engineering, Pierre, SD, 1996–1998

FORENSIC ENGINEERING

Mr. Caldwell is the Vice President of Engineering at Knott Laboratory and oversees multiple departments including Reconstruction Engineering, Facility Condition Assessment, Civil Engineering, New Build Design, as well as the Colorado, Arizona, and Texas structural engineering divisions. Mr. Caldwell has investigated cases involving property damaged by fire, explosions, flood, moisture intrusion, inadequate drainage, pipe failure, corrosion, hail, wind, mold, soil subsidence, foundation failure, structural member failure, vehicular collisions, construction defects, building envelope, and mechanical damage. Mr. Caldwell conducts structural evaluations and failure analysis on residential and commercial structures, building envelopes and civil systems and has experience in destructive testing, non-destructive testing and simulation of failure modes and scenarios. Mr. Caldwell has experience as an Expert Witness in a variety of legal matters including Construction Defects and repair cost estimations.

ENGINEERING EXPERIENCE:

Mr. Caldwell has over 30 years of experience in many facets of land surveying and civil and structural engineering. Eight years of land surveying experience as a crew chief supervising construction staking and topographical surveys for heavy highway construction, urban and rural roads, residential and commercial buildings, bicycle paths, bridges, hydraulic features and infrastructure, over-lot grading of large land development projects; and legal surveys including research, recovery, and re-establishment of property boundaries in compliance with local jurisdictions and standard surveying practices. Eight years of experience as a structural design engineer determining loads and applicable building codes for residential and commercial buildings and the design of structural systems and elements to resist the loads. Design experience with all common building materials including masonry, wood and timber, reinforced concrete, structural and light gage steel, and composite building materials. Foundation design including drilled concrete piers, grade beams, spread footings, mat foundations, and Post Tensioned slabs. Fourteen years of experience as a consulting (forensic) engineer conducting engineering investigations and determining the cause of structural failures. Forensic experience includes causation investigations regarding roof covering evaluations, building collapses, foundation movement and water intrusion. Additionally, Mr. Caldwell has acted as the Engineer of Record on multiple large-scale post-litigation and HOA community repair projects.

PROFESSIONAL AFFILIATIONS:

Mr. Caldwell is a member of the following technical and professional societies:

ASCE

The American Society of Civil Engineers

SEI

Structural Engineering Institute

EXPERT WITNESS TESTIMONY:

Mr. Caldwell has provided expert witness services at trial and deposition for cases in Colorado and Nebraska. The following is a list of cases in which Mr. Caldwell has been deposed or testified as an expert witness since January 2018:

<u>Date</u>	<u>Case Title</u>
September 2018	Deposition - Thomas L. Nichols v. State Farm Fire and Casualty Company; Douglas County (Nebraska) District Court; Case Number CI 17 1956
January 2019	Deposition – 7800 W. Jewell, LLC. v. Truck Insurance Exchange; Jefferson County (Colorado) District Court; Case Number 2018CV30665
March 2019	Trial - Thomas L. Nichols v. State Farm Fire and Casualty Company; Douglas County (Nebraska) District Court; Case Number CI 17 1956
February 2024	Arbitration – Whispering Pines West Condominium Association, Inc v. Great American Insurance Company of New York, Case Number 21-cv-02231-PAB-MEH