

MADELINE WALTER, B.Sc.

EDUCATION:

B.Sc. in Mechanical Engineering, Grand Canyon University, Phoenix, AZ, 2024

EXPERIENCE:

Project Engineer, Knott Laboratory, LLC May 2024 to present.

Mechanical Engineering Intern, Knott Laboratory, LLC May 2022 to May 2024



PREMISE LIABILITY

Ms. Walter has assisted with numerous investigations related to premises liability, including slip-and-fall and trip-and-fall incidents. In addition, Ms. Walter has assisted with investigations pertaining to personal injury, product liability, visibility studies, residential plumbing, vehicle collisions, and failure analysis. Ms. Walter has knowledge and experience related to numerous industry regulations, codes, and standards, including but not limited to those promulgated by the International Code Council (ICC), such as the International Building Code (IBC), International Fire Code (IFC), International Property Maintenance Code (IPMC), International Existing Building Code (IEBC), the International Residential Code (IRC), the Americans with Disabilities Act (ADA), and additional industry standards such as those promulgated by ASTM International and the National Floor Safety Institute (NFSI). Ms. Walter is also a certified tribometrist (CXLT).

ACCIDENT RECONSTRUCTION

Ms. Walter has assisted with investigations and reconstructions of motor vehicle collisions involving passenger vehicles, pedestrians, and commercial vehicles. Ms. Walter has been trained on the use of specialized tools and instruments for use during forensic investigations, including high-definition laser scanners and the Bosch Crash Data Retrieval (CDR). Ms. Walter is certified in Bosch crash data retrieval (CDR) and has retrieved and analyzed crash data from electronic vehicle event data recorders (EDR) in passenger vehicles. Ms. Walter is a FAA-licensed remote pilot and performs aerial surveys of sites using unmanned aerial systems (drones).