

KARL MERTENS, M.S., P.E.



EDUCATION:

M.S in Civil Engineering, Structural Emphasis, Texas A&M University, College Station, TX
B.S. in Civil Engineering Technology, Colorado State University-Pueblo, Pueblo, CO

REGISTRATIONS:

Licensed Professional Engineer in the following States:
Colorado, Michigan
National Council of Examiners for Engineering and Land Surveying (NCEES) Record Holder

EXPERIENCE:

Forensic Engineer, Knott Laboratory, LLC, Centennial, Colorado, April 2019 to Present
Professional Engineer, Martin/Martin Consulting Engineers, Lakewood, Colorado, March 2015 to March 2019
Graduate Engineer, Walter P Moore, Houston, Texas, September 2013 to February 2015

INVESTIGATIVE ENGINEERING:

Mr. Mertens has experience preparing structural repair drawings for issues including ice dams, vehicular impacts and foundation movement. He has provided floor monitoring for foundation movement before a repair was performed and after the repair to ensure that foundation movement stopped. He has performed structural assessments helping owners understand the existing condition of their building as well as providing conceptual design options for future expansion.

CONSULTING ENGINEERING EXPERIENCE:

Mr. Mertens has a wide breadth of structural engineering design experience including high rises, medical facilities, hotels, higher education buildings, k-12 schools, new build and remodel of residential homes, and public works projects. Through his designs he has developed comprehensive knowledge of building codes and the standards used in construction. He has produced projects from the conceptual phase through completion. This delivery of projects has included designing all portions of the lateral load resisting system, gravity superstructure as well as miscellaneous components. Over the course of delivering projects to clients, Mr. Mertens has provided structural input for professionals including architects, contractors and owners. The range of projects completed by Mr. Mertens has developed knowledge of various structural materials including reinforced concrete, steel, masonry and timber.

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