

Lawrence Lesniak, P.E. | Structural & Forensic Engineer

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Professional Summary:

Lawrence Lesniak, P.E. has worked for the past (4) years as a structural and forensic engineer. He has provided engineering services for: structural steel, masonry, and concrete footings for several new commercial buildings and additions; repair plans for distressed residential home foundations; helical pier foundation design; fire repair plans for wood framed residential and steel framed commercial properties. Forensic engineering projects have included: water intrusion; distresses to building foundations, brick veneers, wood and steel framing; a failed fire suppression system; and distress due to vibration due to construction activity.

Licenses and Certifications:

Registered Professional Engineer, Michigan, 37736

Project Experience:

Apartment Building, Detroit, MI (4) Story Wood Framed Structure

Design calculation and construction documents for a (4) story wood apartment on a steel framed podium.

Retail Building, Pontiac, MI Cause & Origin of Basement Wall Collapse

Provided cause and origin report for the collapse of the basement wall of a (1) story retail building on a basement type foundation.

Multi-Unit Condominium Fire Distress Report and Repair Plan

Provided a report indicating structural distresses due to fire and a Structural Repair Plan.

Professional Experience:

Unified Investigations & Sciences, Structural & Forensic Engineer, 2015-Present
Stephen Ternullo & Associates, Inc., Structural & Forensic Engineer, 2014-2015
DeMaria Building Company, Inc., Manager Taft Steel Division, 1987-2014
Ritchie Construction, 1987
Delta Steel, Michigan-Steel Detailer, 1984-1985

Specialized Education:

Asbestos Operations & Maintenance Training, EKS Services, 2016
Unified Investigations & Sciences, Inc. Forensic Investigations, 2016
Investigative Engineers Association, 2014
Annual Stability Conference, 2015
Ethics for Engineers, SunCam, Inc., 2015
Fundamentals of Helical Anchors/Piles, SunCam, Inc., 2015
Fundamentals of Concrete, SunCam, Inc., 2015
An Introduction to ASCE 7-10 Wind Loads, Part I, American Society of Civil Engineers, 2015
An Introduction to ASCE 7-10 Wind Loads, Part II, American Society of Civil Engineers, 2015
An Introduction to ASCE 7-10 Wind Loads, Part III, American Society of Civil Engineers, 2015
ASCE 7-10 Snow Load Provisions (AWI120910), American Society of Civil Engineers, 2015
An Introduction to ASCE 7-10 Seismic Design of Non-Building Structures (AWI011613), American Society of Civil Engineers, 2015
Fire Damage and Post-Fire Assessment of Structural Wood Members", National Council of Structural Engineers Associations, 2016

Education:

Bachelor of Science in Civil Engineering, Michigan Technological University, 1980-1984

Affiliations:

American Institute of Steel Construction (AISC)
American Society of Civil Engineers (ASCE)