



Professional Summary

Mark S. Densmore, P.E., S.I. is the MSD of MSD Engineering, LLC., an owner/operator expert witness and structural engineering consulting firm, located in Lakewood Ranch (Sarasota/Manatee County), Florida. Specializing in forensic (civil/structural) property damage investigations and evaluations, structural design and analysis (including; structural repairs and renovations), expert witness testimony, and special inspections.

- 25+ years of experience (20+ years in Florida) in the design and inspection of a variety of structural engineering projects, with 10+ years of forensic investigative experience.
- Authored 1000+ civil/structural forensic engineering reports and 500+ sinkhole and structural damage reports and inspected 1000+ residential and 100+ commercial structures.
- Performed forensic civil/structural evaluations for commercial and residential buildings related to areas of reported property damage. Observed field conditions, evaluated structures, determined the cause, origin, and duration of the conditions. Wrote, signed and sealed engineering reports, and provided opinions as to the cause of the distress and recommendations for repair and/or replacement of structures.
- Produced signed and sealed structural repair, alteration, and renovation drawings for existing structures.
- Forensic engineering work related to evaluation of construction defects.
- Forensic engineering work related to structural damage evaluations, structural collapse and/or failure investigations, roofing system evaluations; cause, nature and extent of damage, wind and hail.
- Roofing system evaluations have been performed on numerous roofing types including: three-tab, asphalt composition shingles; laminated composition shingles; clay and concrete tiles; built-up roofs; modified bitumen roofs, rolled roofing; thermoplastic polyolefin single-ply roofs (TPO); ethylene propylene diene terpolymer rubber roofs (EPDM); metal roofs; sprayed polyurethane foam roofs (SPF); and landscaped roofs.
- Forensic engineering work related to moisture source evaluations; cause, origin, and duration.
- Forensic engineering work related to termite damage, flooring damage, fire damage, and impact damage from trees, vehicles, etc.
- Forensic engineering work related to tornado and/or hurricane damage, flood/surge damage, vibration damage analysis, and retaining wall failures.

Education

- Bachelor of Science (*w/ High Distinction*) in Civil Engineering, Worcester Polytechnic Institute (WPI), Worcester, MA (1994).

Memberships

- American Society of Civil Engineers (ASCE), American Society of Testing and Materials (ASTM) and International Code Council (ICC).

Registrations

- Registered Professional Engineer: Florida License No. 54625, Florida Special Inspector of Threshold Buildings License No. 2022, Alabama, Delaware, Georgia, Kansas, Maryland, Massachusetts, Nebraska, New Hampshire, New York, North Carolina, Ohio, South Carolina, Texas, Vermont, West Virginia, and District of Columbia.