



Curriculum Vitae

MARTIN D. SHIELDS, MCE, PE, PA, LEED® AP-NC

Shields Engineering Group, Inc.
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Academic Background University of Florida, Gainesville, FL; BSCE in Civil Engineering, 1988
University of Florida, Gainesville, FL; MCE in Civil Engineering, 1990

Expertise Engineering: Shields Engineering Group, Inc. - Civil, Structural, and Forensic Engineering; ADA Rules and Procedures; Construction Management and Administration, and Expert Witness Consultation and Testimony. Mr. Shields has an extensive knowledge base and understanding of engineering design and building codes. Licensed in 13 states (see below).

Public Adjuster: ClaimsFi, Inc. – Licensed Public Adjuster in Georgia, Texas, and Colorado. Licensed since 2013.

Professional Experience

2009
to Present **SHIELDS ENGINEERING GROUP, INC.**
Atlanta, Georgia

Mr. Shields is the founder and President of Shields Engineering Group.

Principal Forensic Engineer. Provides expert witness consultation and testimony; analysis of damage(s) to structures, roofs, building envelopes, site retaining walls and foundations; wind and hail damage investigations; water intrusion investigations; code compliance reviews; and determination of construction deficiencies.

Principal Civil Engineer. Commercial, institutional and residential site development, including site feasibility studies, environmental testing, subsurface geotechnical investigations, wetland delineation and permitting; design of stream mitigation and permitting; site work design, including layout, traffic studies, egress and ingress studies for ADA compliance, grading, utilities, onsite water management facilities, drainage, storm water management, hydrologic analysis and modeling, erosion and sedimentation control, post construction storm water management, and detail preparation; construction cost estimating; and construction administration management.

2021
to Present **CLAIMSFi, INC.**
Atlanta, Georgia

Mr. Shields is President of ClaimsFi, Inc.

Licensed Public Adjuster (PA). Provides public adjusting for both residential and commercial claims; construction cost estimating; appraisals, and umpire services.

1999
to 2009

ESTES SHIELDS ENGINEERING, INC.
Atlanta, Georgia

Mr. Shields was co-founder and President of Estes Shields Engineering.

Principal Forensic Engineer. Provided expert witness consultation and testimony; analysis of damage to structures, roofs, building envelopes and foundations; moisture intrusion investigations; code compliance reviews; and determination of construction deficiencies.

Principal Civil Engineer. Development of multi-phase, residential subdivisions, educational and commercial facilities; design of site water distribution, sanitary sewer, onsite waste management facilities; preparation of street plans including geometric layout, structural sections, traffic control, and drainage; ingress and egress studies for ADA compliance; design and analysis of hydraulic structures, stream and channel improvements, detention basins, and retention ponds.

Principal Structural Engineer. Design of wood, concrete, steel, and masonry structures; preparation of structural plans, details, and specifications for residential and commercial buildings (low to mid-rise).

1990
to 1999

DAMES & MOORE/URS GROUP
Atlanta, Georgia

For a ten-year period, Mr. Shields served as a Project Engineer, Project Manager or Project Director for over 250 small to large environmental and civil engineering projects.

Consulting Engineer. Project manager for subsurface investigations and design of environmental remediation systems for clean-up of chemically-impacted commercial sites; regulatory permitting; groundwater remediation; remedial investigations/feasibility studies; underground tank closures; environmental assessments; groundwater modeling; and aqueous geochemistry.

Civil Engineer. Foundation and geotechnical engineering including ground improvement for civil construction; slurry wall construction for structural as well as hydraulic containment purposes; foundation investigation and design for shallow and deep foundations, addressing a variety of shallow foundation systems, mats, driven and expanded base piles, and drilled shafts; construction dewatering; and quality control of earthwork and foundation construction.

Registrations Georgia, Professional Engineer (PE) No. 20686

Alabama, PE No. 20944

Colorado, PE No. 45561

Florida, PE No. 73323

Indiana, PE No. 11300327

Illinois, PE No. 062-066930

Kentucky, PE No. 28830

Louisiana, PE No. 33525

North Carolina, PE No. 26650

Oklahoma, PE No. 27312

South Carolina, PE No. 26834

Tennessee, PE No. 107114

Texas, PE No. 109063

Georgia Licensed Public Adjuster No. 2900576

Colorado Licensed Public Adjuster No. 519842

Texas Licensed Public Adjuster No. 2131115

Class A Virginia Contractor No. 2705023035 (Qualified Individual) (Inactive)

North Carolina General Contractor (S-Roofing) No. 69548 (Inactive)

Certified Windstorm Insurance Umpire

Haag Certified Roof Inspector – Commercial

Georgia Certified Georgia Soil Classifier

Senior Certified Hazardous Materials Manager (CHMM), No. 4561

40-Hour Health & Safety Training per 29 CFR 1910.120

8-Hour Hazardous-Waste-Site Supervisor/Manager Training

USACE Construction Quality Management Certification (No. NAO-99-0039)

LEED™ Accredited Professional (AP), U.S. Green Building Council

GA Level II Certified Design Professional Cert. No. 1209644128, GA Soil and

Water Conservation Service

14 CFR Part 107 - FAA Small Unmanned Aircraft System (UAS) Certification

Professional American Society of Civil Engineers (ASCE)

Affiliations National Society of Professional Engineers (NSPE)

Member, Georgia Association of Public Insurance Adjusters (GAPIA)

Publications Mr. Shields has authored or co-authored the following:

“Dynamic Testing of Drilled Shafts”, Co-authored by F.C. Townsend, J.F. Theos and M.D. Shields, ADSC: Association of Foundation Drilling, 1991.

“Ongoing Design-Build Remedial Action at the Virginia Properties Superfund Site,” Georgia Society of Professional Engineers, Atlanta, 1998.

Board of Druid Hills Golf Club, Atlanta, GA – Chairman, Grounds & Greens, 2005- 2008

Directors Chairman, Facilities, 2008-2009

Georgia Association of Public Insurance Adjustors (GAPIA) – Vice President 2024