

Robert P VanderLinden, PE | Forensic Engineer

2055 W. Army Trail Road, Suite 106, Addison, Illinois 60101

Cell Phone: (515) 639-8366
bob.vanderlinden@efiglobal.com

Professional Summary:

Mr. VanderLinden has over 38 years of forensic engineering, land development, water resource analysis, design, and construction, and engineering design experience. He has performed structural investigations of both residential and commercial structures following hail, derecho, hurricane, tornado, and cold weather events throughout the Midwest and New England states. He has a working knowledge of a wide variety of building systems. Areas of Expertise:

- Civil Analysis and Design
- Structural Condition Assessments
- Windstorm (Hurricane, Tornado, and Derecho) Evaluations
- Water Intrusion Investigations
- Foundation Evaluations
- Roof and Building Envelope Evaluations

Licenses and Certifications:

Licensed Professional Engineer, State of Iowa, No. 13927

Licensed Professional Engineer, State of New Jersey, No. 24GEO5197200

Licensed Professional Engineer, State of Illinois, No. 62-46048

Licensed Professional Engineer, State of Nebraska, No. E-14876

Licensed Professional Engineer, State of Minnesota, No. 51736

Licensed Professional Engineer, State of Wisconsin, No. 48941-6

Licensed Professional Engineer, State of South Dakota, No. 15537

Licensed Professional Engineer, State of Missouri, No. PE-2024008081

Project Experience:

Windstorm (Hurricane, Derecho, and Tornado) Evaluations – Commercial and Residential Sites, New Jersey, Iowa, Nebraska, Minnesota, and Illinois

Has performed building evaluations related to Super Storm Sandy throughout New Jersey, Derecho and tornado storms in Iowa, Nebraska, Minnesota, and Illinois.

Roof and Building Envelope – Commercial and Residential, Midwest States

Has performed roof and building envelope evaluations. Roof investigations include concrete tile, clay tile, asphalt composition shingles, metal, flat roofs, and wood shakes.

Water Intrusion Investigations – Commercial and Residential

Has performed water infiltration investigations in Midwest states. Water loss investigations included damage from plumbing leaks, flooding, attics, and concrete slab leaks.

Structural Failure Investigations – Commercial and Residential Sites, Midwest States

Has performed structural failure investigations for various building sites including wall and foundation investigations.

Water Resource Engineering – Federal, State, and Municipal Entities, Midwest States

Has prepared citywide water distribution network analysis and recommended improvements in storage, supply, and booster pumps for Iowa cities. Has prepared and calibrated an unsteady flow model along the East Branch of the DuPage River in Illinois. Has reviewed construction plans for tornado safe rooms, hydrology and hydraulic calculations for mitigation plans, and technical plan completeness for Rural Electric Cooperatives projects in Iowa with FEMA.

Professional Experience:

EFI Global, Inc., Forensic Engineer, 2023 – Present
Donan Engineering, Forensic Engineer, 2012 - 2023
Federal Emergency Management Agency, Civil Engineer, 2010 – 2012
Engineering Resource Group, Senior Project Manager, 1999 – 2010
Shive Hattery, Water Resource Engineer, 1995 – 1999
Patrick Engineering, Civil Engineer, 1990 – 1995
Brockett Davis Drake, Engineer in Training, 1984 - 1990

Education:

Bachelor of Science, Civil Engineering, Iowa State University, 1984

Affiliations:

Iowa Floodplain and Stormwater Management Association (IFSMA)