

## Robert P VanderLinden, PE | Forensic Engineer

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### 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.

- 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:

Professional Engineer (Additional states available upon application):

Iowa, 13927

New Jersey, 24GEO5197200

Illinois, 62-46048

Nebraska, E-14876

Minnesota, 51736

Wisconsin, 48941-6

South Dakota, 5537

National Engineering Registration, NCEES, 17-326-95

### 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.

**Expert Witness Testimony: Court Qualifications/Depositions/Testimony:**

*Mr. VanderLinden has experience testifying as an expert witness in depositions, and trials and has been accepted as an expert witness in numerous jurisdictions.*

Iowa – Trip and Fall case for the Plaintiff

The plaintiff trip at a handicap ramp in a commercial development. Deposition for the plaintiff to address non-conforming ramp.

Iowa – Slope failure for the Defendant

The defendant hired a contractor to grade a trail along his property line. The work caused partial slope failure. Deposition and subsequent jury trial in county to address cause of slope failure.

Iowa – Water Intrusion for the Defendant

The Plaintiff caused suit against insurance company and my engineering company. The work was to determine the water intrusion into the commercial building. Deposition included the methods of investigation and cause of the water intrusion.

Iowa – Tornado damage to Residence

The defendant home was affected by the tornado. The suit was against the opinions within the forensic report. Deposition was given to defend the opinions within the report.

**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  
Brockette 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)