

Joe Wisniewski | Forensic Engineer, PE

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Professional Summary:

Mr. Wisniewski has extensive experience in the design and structural analysis of building envelope systems on a wide variety of building types. Building types have consisted of single-family homes, commercial buildings, stadiums, and high-rise construction. The various building envelope systems have included, curtain walls, storefront systems, glass skylights, glass canopies, metal panels, and terracotta panels. In addition to building envelope systems, Mr. Wisniewski has expertise in structural engineering, forensic engineering, building code application, construction management, and transportation infrastructure.

Licenses and Certifications:

Federal Aviation Administration (FAA) Part 107 – Certified Remote (Drone) Pilot, #4607881

Professional Engineer, State of Florida, #PE-95392

Professional Engineer, State of Iowa, #PE-P27930

Professional Engineer, State of Minnesota, #PE-61072

Professional Engineer, State of Missouri, #PE-2023017514

Professional Engineer, State of North Dakota, #PE-30093

Professional Engineer, State of Wisconsin, #PE-49388-6

Project Experience:

Forensic Engineering of Structures

Mr. Wisniewski has experience in investigating failures of a wide variety of structures including residential and commercial roof systems, facades, and structural framing. The failures are typically related to weather events, construction defects, or fires.

Catastrophe (CAT) Response

Mr. Wisniewski has experience evaluating catastrophe related damages to residential and commercial structures relating to Hurricane Ian (2022), as well as various floods, fires, and explosions.

Building Enclosure Consulting

Mr. Wisniewski has experience in assessing exterior facades on both commercial and residential buildings for cause and origin of water intrusion, construction defects, extent of weather damage, and age-related deteriorations.

**Optima Lakeview Apartments, Chicago, IL
Curtain Wall System**

Mr. Wisniewski performed structural analysis on the unitized curtain wall system for the entire exterior of the building. Analysis included all aluminum mullions, glass, and connections to building substrates.

**So-Fi Stadium, Inglewood, CA
Aluminum Panel System**

Mr. Wisniewski performed design assist and structural analysis of aluminum panels, corresponding sub-framing, and connections to building substrate throughout the stadium.

**Sumner County Courthouse, Sumner County, TN
Glass Fiber Reinforced Concrete**

Mr. Wisniewski performed structural analysis and design assist on glass fiber reinforced panels on exterior portion of building. The project consisted of 3d modeling and finite element analysis of all panels.

**I-75 Modernization Project, Dayton, OH
Highway Bridge Construction**

Mr. Wisniewski assisted ODOT engineers in overseeing the modernization of I-75 in downtown Dayton. He performed various inspections such as checking material quantities, concrete testing, and verifying field dimensions with design drawing dimensions.

Professional Experience:

EFI Global, Forensic Engineer, 2023-Present
EFI Global, Forensic Consultant, 2021-2022
Larson Engineering, Inc., Engineer, 2016 – 2021
Ohio Department of Transportation, Engineer Intern, 2014-2015

Education:

Bachelor of Science, Civil Engineering, The Ohio State University, Columbus, Ohio, 2015