

Curriculum Vitae

of

Frank Bennardo, PE, SECB

Updated April, 2021

Introduction

Frank Bennardo PE, SECB is a Board Certified Professional Structural Engineer licensed in over 40 states in the US & Puerto Rico. He has utilized his talents to create companies that continue to reshape the engineering and construction industries.

As founder and President of Engineering Express®, Mr. Bennardo brings unprecedented corporate structure to building component engineering and product evaluations in industries such as glazing and flood design, mechanical equipment, signage, safeguards, roofing & decking, canopies & sunrooms, and many other specialized building components across America.

In 2005 he patented a unique modular Hurricane Netting System that encapsulates buildings and surrounding components during storms and formed a company that produced the CAT-5 Netting System. In 2008 he pioneered a unified structure for cloud-based building product certification performance data which powered government agencies and national associations. His pioneering work automating engineering processes has spawned groundbreaking engineering technologies including providing autonomous engineering support systems for dozens of national brands and growing.



Mr. Bennardo is a leading national building component structural engineer, glazing consultant, forensic expert, and technology entrepreneur. Mr. Bennardo has performed inspections and forensic expert witness testimony to thousands of damaged residences affected by storms in Florida, Texas, and the northeast since Hurricane Andrew. He has also designed and performed glazing consultant management services for high rise structures in major US cities and has evaluated hundreds of building product components and counting.

He continues to manage his companies, speaks at national events, and is active on boards in his fields of expertise.

Career Summary

- President, Founder, and Owner of [Engineering Express®](#), 2003-Present
- President and Owner of [Endymion Blue](#), LLC, 2008-Present
- President and Co-Owner of [CAT-5 Protection](#), Inc., 2005-2014
- NCEES Record 20462 – 40+ states of Professional Engineering Licensure

Frank Bennardo, PE Curriculum Vitae

- Board Certified by the Structural Engineering Certification Board (SECB) #1961-0306
- Professional Consulting Structural Engineer since 1995
- Licensed Florida General Contractor (1994-1998)
- Graduate of [Tulane University](#), New Orleans, LA, B.S.C.E., 1988
- Florida Department of Transportation, Assistant Broward County Operations Engineer, 1992-2000
- Florida Department of Transportation Professional Engineer Training Program, 1988-1992

Notable Career Highlights

- Numerous [Metro Dade County](#) , SBCCI, [ICC](#), [Texas TDI](#), and [Florida Building Code Product Approval](#) engineering package evaluations, validations, & certifications (over 800 to date).
- Uniquely experienced in Storm Damage Evaluation and Forensic Engineering providing numerous expert witness testimony & depositions for work in many of the departments of Engineering Express and the Florida Department of Transportation.
- Extensive design experience in building envelope and curtainwall glazing and fenestration applications, specialty engineering structures in aluminum, concrete, steel, wood, fabrics, plastics, & light gage metals.
- Substantial current working field knowledge of and diverse experience in residential & commercial new construction, additions, renovations.
- Specialty work and substantial working knowledge in custom computer applications and resources to facilitate next-generation engineering utilizing technologies available including working knowledge of many web programming languages Our expansive [EngineeringExpress.com](#) and [EngineeringPlans.com](#) websites are all developed & maintained in-house.
- Co-Developer of [TaskCloud.com](#), a cloud-based full feature remote project management & communication system used by Engineering Express & other companies worldwide.

Outreach

- [Florida Structural Engineers Association](#) Palm Beaches Chapter, current board member
President Elect 2011-2012, President 2013-2014, Past President, 2014-2015
- [International Hurricane Protection Association](#)
Board of Directors, 2006-2011
Secretary, 2011-2013
President-Elect, 2014
Broward County, Florida, Engineer of the Year Award, 2013
- [American Council of Engineering Companies](#), member

Frank Bennardo, PE Curriculum Vitae

- National Society of Professional Engineers, member
- American Society of Civil Engineers, member
- National Society of Professional Engineers, member
- American Association for Wind Engineering, member
- American Concrete Institute, member
- Florida Atlantic University Engineering Advisory Board
Board Chair, 2010-2012, Board member 2004-2013
- Florida Engineering Society
2008 Past President, Broward Chapter, member
- Tulane University School of Science and Engineering Board of Advisors
Board Member, 2008-2012
- Vistage Member, 2012-2017

Publications

- On-Demand Engineering – Could This Be The Future? – 2019, various distributions, see it [here](#).
- DeconstructingThis.com – Mr. Bennardo’s ongoing Podcast highlighting industry and other topics of interest.
- Hurricane Industry Article, “The Hidden Story of Storm Protection”, August 2009, various distributions.
- International Hurricane Protection Association, Continuing Education Seminar Instructor “Looking Beyond Windows for Storm Protection,” Instructional Video February, 2008.
- Hurricane Protection Magazine, “The Engineering Evolution,” spring 2004 Issue.
- Hurricane Protection Magazine, “Florida Statewide Approvals,” winter 2003 Issue.
- See Mr. Bennardo’s Ongoing Blog on the [EngineeringExpress.com](#) website containing ongoing industry articles of interest.

Presentations

- Fenestration Manufacturers Association, 2018, 2019 – Various technical presentations.
- National Hurricane Conference - March 2016, Orlando, FL.

Frank Bennardo, PE Curriculum Vitae

- National Hurricane Conference, 2014 speaker, Building Product Component Evaluations & Superstorm Sandy presentations.
- AAMA Southeast Region Spring 2014 Annual Conference, ApprovalZOOM.com and the launch of FloridaLocalApprovals.com in partnership with former Florida & Miami Dade Product Approval Administrative Official Ted Berman, P.E.
- Florida Structural Engineers Association, Winter 2013 S FL presentation, report on Superstorm Sandy.
- Society of American Military Engineers, Spring 2013 Western Conference, Effects of SuperStorm Sandy on the East Coast.
- Building Officials Association of Florida, Broward, Palm Beach, Gulf Coast, Broward chapters - product evaluations in Florida and the FloridaLocalApprovals.com program.
- American Society of Civil Engineers, nationally broadcast webinar, Understanding Window and Door Product Evaluations, May 2014.
- American Society of Civil Engineers, Florida Section, Annual Conference – “Product Approvals – How They Are Changing Construction In The Nation” Orlando, FL, Summer 2012.
- Broward County Building Officials Ongoing Keynote Speaker, Annual Meeting & Educational Conference 2012, 2014, 2016, 2017, 2018, 2020.
- Florida Association of Public Insurance Adjusters (FAPIA), “Windstorm Damage Considerations in Residential and Commercial Structures”, Summer 2009 Fort Lauderdale, FL & Winter 2009 Tampa, FL.
- “Engineers’ Secrets to Product Approvals Revealed,” Orange County Convention Center, Tampa, FL, Hurricane Protection University (HPU), May 2009.
- Featured Speaker, World of Hurricane Protection Trade Show & Conference, Orange County Convention Center, Tampa, FL, April 2008.
- “Are You Using ASCE-7 Correctly for Wind Design,” ASCE-SEI New Orleans Chapter Seminar Speaker, New Orleans, LA, December 2006.
- “Engineering in a Coastal Environment,” Tulane Engineering Forum Keynote Speaker, New Orleans, LA, June 2006 (Post Hurricane Katrina).

Other

Mr. Bennardo has appeared nationally on Inside Edition (TV), Engineering News Record (ENR), GANA Magazine (Glass Association of North America), Door & Window Magazine, World News, Professional

Frank Bennardo, PE Curriculum Vitae

Roofing Magazine, Storm & Security Magazine, FSEA Magazine (Florida Structural Engineers Association), among others. Grand Jury trial victory (2007).

Other Interests

Mr. Bennardo is the President and founder of Endymion Blue, LLC, a research and development company evolving industry technologies since 2008.

Mr. Bennardo was also the co-owner of CAT-5 Protection, Inc., developers of the CAT-5 Hurricane Netting System. He has received a patent for his extensive research and development on the modular netting system that deploys over areas such as houses, mobile homes, boats, cars, trailers, and signs. The CAT-5 Net has been protecting against storms and severe winter and summer weather since 2005 across the globe.

Mr. Bennardo is also a singer-songwriter and recording artist. Find his songs on iTunes, Spotify, and wherever you stream music. Learn more at FrankBennardo.com

Additional Information

Updated information, continuing blog posts, and access to the tools and resources created by Engineering Express® in addition to more on the vast array of product approval engineering, forensic evaluations, commercial and residential structural designs, specialty aluminum engineering, marine projects, and many other unique company projects can be found on his engineering firm's website at EngineeringExpress.com.

Mr. Bennardo also hosts a podcast called [Deconstructing This](#) (available on iTunes and all podcast outlets).

Visit Mr. Bennardo's LinkedIn Page: [Linkedin.com/pub/frank-bennardo-p-e/](https://www.linkedin.com/pub/frank-bennardo-p-e/).

Professional Engineering States of Licensure

Over 40 states and Puerto Rico, see EngineeringExpress.com/licenses for complete list.