

Curriculum Vitae

of

Frank Bennardo, PE, SECB

Updated August 2018

Introduction

Frank Bennardo PE is a Board Certified Professional Structural Engineer licensed in over 30 states in the US. 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 design, mechanical equipment, safeguards, 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 streamed this information to national government agencies and associations. His pioneering work automating engineering processes has spawned groundbreaking engineering technologies including providing semi-autonomous ecommerce pre-engineering channels for dozens of national clients and growing.



Mr. Bennardo is a leading national glazing consultant, building component structural engineer, forensic expert, and building product evaluation consultant. 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.

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 – 30+ states of Professional Engineering Licensure
- Board Certified by the Structural Engineering Certification Board (SECB) #1961-0306
- Professional Consulting Structural Engineer since 1995-Present
- Licensed Florida Professional Engineer (PE46549), 1993-Present
- 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 Department of Transportation (Recent Significant Hurricane Damage Evaluation Expert Witness Cases below).
- Extensive design experience in building envelope and curtainwall glazing and fenestration applications, specialty engineering structures in aluminum, concrete, steel, wood, and light gage metals.
- Substantial current working field knowledge of and diverse experience in residential and 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 and maintained in-house.
- Co-Developer of [TaskCloud.com](#), a cloud-based freelance task management system

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
Lecturer for continuing education credit for members
[View & Purchase a lecture on DVD \(https://hpmag.secureorderingonline.com/\)](https://hpmag.secureorderingonline.com/)
- Broward County, Florida, Engineer of the Year Award, 2013
- [American Council of Engineering Companies](#), member
- [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
- [Glass Association of North America](#), 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](#) CEO Member, 2012-2017

Publications

- Owns and operates [EngineeringPlans.com](#) (formally ApprovalZOOM.com)– Developed and published this informative and feature rich website for building product information, 2008-present
- 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 as well as ongoing industry articles of interest

Presentations

- National Hurricane Conference (scheduled speaker, March 2016, Orlando, FL)
- 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 chapters (ongoing) 2014 presentations with official Ted Berman, P.E. on product evaluations in Florida and the FloridaLocalApprovals.com program developed by ApprovalZOOM / Endymion Blue, LLC
- 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
- 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, Dec., 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 Roofing Magazine, Storm & Security Magazine, FSEA Magazine (Florida Structural Engineers Association), among others.

Notable Projects (see more at EngineeringExpress.com/projects)

Education – Government – Health Care – Hospitality – Military Commercial – Mixed Use – Residential – Retail

- Hermes brand stores, Miami, Atlanta, Boston, Hawaii
- [11 E 31st Street NYC Tower](#), over a dozen other similar structures in NYC
- Met 3 Tower, Miami, FL
- Max Planck Institute, Jupiter, FL
- Museum of Discovery & Science, Broward County, FL
- Miami Dolphin (Sun Life) Stadium Expansion, Miami, FL
- Hard Rock Hotel & Casino, Hollywood, FL
- Miami International Airport Expansion Projects, Dade County, FL
- Fort Lauderdale International Airport Expansion Projects, Fort Lauderdale, FL
- Texas A & M University Science Building, Galveston, TX
- Macon Marriott City Center Hotel, Macon, Georgia
- San Carlos Condominium, Gulf Shores, Alabama
- See more projects on Engineering Express's Building Envelope Webpage (EngineeringExpress.com/glass-glazing/)

Selected Storm Damage Evaluation & Expert Witness Testimony:

- Hurricane Irma Inspection – Edgewater Lofts (2018)
- Numerous Superstorm Sandy Civil Cases (2013-present)
- Barry University, Miami, FL (2013)
- Fernwood Condominiums, Miami, FL (2012)
- Wilshire Condos, Miami, FL (2012)
- Medvance Building, Houston, TX (2011)
- Parkway Towers, Miami, FL (2011)
- University of Phoenix, TX (2010)
- Chase Building, TX (2010)
- Plantation Fashion Mall, Broward County, FL (2009)
- Maringate Shopping Center, Houston, TX (2009)
- Tomball Shopping Center, Houston, TX (2009)
- King Cole Apartments, Miami Beach, FL (2008)
- Vision One Condominium, Palm Beach Gardens, FL (2008)
- Vantage View Condominium, Pompano Beach, FL – Federal 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 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/

Mr. Bennardo's Personal States of Licensure - See EngineeringExpress.com/Licenses
