

DOMINICK PILLA, PE, SE, CE, RA, LEED AP

Principal-in-Charge



As the visionary founder and Principal of DRPILLA, Dominick not only shapes the strategic course of the firm but also maintains a high level of engagement with clients, projects, and staff development. With over 25 years of expertise in structural analysis and design, he has guided the firm's evolution into a collaborative powerhouse, consistently delivering innovative engineering and design services across an extensive array of building types, including museums, commercial and residential high-rises, hotels, healthcare facilities, academic buildings, and sports venues. His portfolio seamlessly marries utility and beauty, challenging conventional engineering norms while consistently achieving exceptional results that leave a lasting impact on the communities they serve.

EDUCATION

New Jersey Institute of Technology
Newark College of Engineering
M.S.
Civil Engineering
Full Research Assistant Award

Rensselaer Polytechnic Institute
B.S.
Civil Engineering with a Minor
in Architecture and Planning

PROFESSIONAL PRACTICE

Dominick R. Pilla Associates, PC
Consulting Engineers
'99–Present

ACADEMIA

Associate Professor, The City College of
New York, Bernard and Anne Spitzer School
of Architecture
Tenured '17, '10–Present

Adjunct Associate Professor, Columbia
University, The Fu Foundation School of
Engineering and Applied Science
'19–Present

Lecturer, Rensselaer Polytechnic
Institute School of Architecture and
School of Engineering
'17–'21

Associate Professor, The City College
of New York, CUNY Bernard and Anne
Spitzer School of Architecture
'10–'17

BOOKS AND CHAPTERS

Pilla, D. (2016). **"Elementary Structural Analysis and Design of Buildings"** (1st ed.). Boca Raton: Taylor & Francis.

DeNardis, J., Pilla, D., Berger, H. & Spillers, W.R. (1998). **"Hybrid Cable-Arch Systems for Long Span, Lightweight Roof Structures"** Conference Proceedings Presented at IASS Congress, Sydney.

ARTICLES AND JOURNALS

Pilla, D. Vaccaro, J. & Wilde, J. (2015). **"Monitoring the Health of a Building During and After Rehabilitation"** Structure Magazine.

Pilla, D. & Tong, X. (2013). **"Horizontal and Vertical Enlargement of a "Sliver" Building"** Structure Magazine.

Pilla, D. & Kaniuczok, M. (2013). **"Diving In: Steel Helps A Single-Family Home and Pool House Go Swimmably"** Modern Steel Construction.

Pilla, D. & Tong, X. (2013). **"Creating an Opening in Existing Floors"** Structure Magazine.

Pilla, D. & Tong, X. (2012). **"Penthouse View: A New Modular Structure Provides an Option for Unused Rooftop Space"** Modern Steel Construction.

Pilla, D. & Tong, X. (2011). **"An Affordable and Sustainable Building Design in New York City"** Structure Magazine.

Pilla, D. & Tong, X. (2010). **"Evaluating Historic Structures for Adaptive Re-Use"** Structure Magazine.

DeNardis, J., Pilla, D., Berger, H. & Spillers, W.R. (1999). **"University of Northern Iowa Air Dome Retrofit"** Modern Steel Construction.

Spillers, W. R., Schlogel, M., & Pilla, D. (1993). **"A Simple Membrane Finite Element"** Computers and Structures, 45, 1, 181-183.

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ACADEMIA (CONTINUED)

Adjunct Associate Professor, The City College of New York, CUNY Bernard and Anne Spitzer School of Architecture '04-'09

Adjunct Assistant Professor, Philadelphia College of Textiles and Science School of Architecture '97

PROFESSIONAL LICENSES

Professional Engineer
NY, NJ, CT, VT, GA, FL, CO, OR, WA,
PA, TX, DC, DE, HI, MA, SD, AZ, RI

Civil Engineer
CA, NV

Structural Engineer
NV, WA, HI

Registered Architect
NY, CT, NJ

PROFESSIONAL AFFILIATIONS

American Concrete
Institute (ACI)

American Institute of
Steel Construction (AISC)

American Society of
Civil Engineers (ASCE)

LEED Accredited Professional
(LEED AP BD+C)

National Council of
Examiners for Engineering
and Surveying (NCEES)

National Council of Structural
Engineers Association (NCSEA)

New York Building
Congress (NYBC)

New York Society
of Architects (NYSA)

Structural Engineering
Council Board (SECB)

Structural Engineering Institute (SEI)

INTERVIEWS

NBC "I-Team: Rent-Stabilized Tenants Worry About Condos Built Above Their Building", Expert Commentator. 2016

Architectural Digest Home Design Show, The New York Times Seminar Series "Architecture Now: The New Build", Panelist. 2013

GUEST LECTURES

Columbia University, School of Architecture, Planning, and Preservation

New Jersey Institute of Technology, School of Civil and Environmental Engineering

Rensselaer Polytechnic Institute, School of Civil and Environmental Engineering

GRANTS

New York City Mayor's Office of Recovery and Resiliency and New York City Department of Buildings. Research area: Effects of wind, 2017

NSF/PowerBridge, Industry Mentor. Research area: Fiber reinforced polymer waste, 2015

ACADEMIA SERVICE

CO-Chair, Department of Civil and Environmental Engineering, Advisory Council at Rensselaer Polytechnic Institute

INSTRUCTIONAL COURSES

- Elementary Structural Analysis and Behavior
- Introduction to Design of Timber and Masonry Structures
- Introduction to Design of Steel and Concrete Structures
- Structural Anatomy of Buildings (Through Case Studies)
- Conceptual Structural Systems
- Structures I
- Structures II
- Principles of Construction

SELECT AWARDS

- SARA National Design Excellence and Best Small Project of the Year Award, 2023
- NAHB Best in American Living Award, 2016
- Best in American Living Award Affordable Multifamily Silver, 2015
- COTE Award Honorable Mention - AIA, 2015
- Builder's Choice and Custom Home Design Merit Award for Affordable Housing, 2015
- Celebration of Architecture and Design Award, 2015
- Brick in Architecture Best in Class Award for Residential Multifamily, 2015