

DOMINICK R. PILLA
PE, SE, CE, RA, LEED AP
Principal



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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

*Lecturer, Rensselaer Polytechnic
Institute School of Architecture and
School of Engineering
'17—Present*

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

*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*

As an engineer and architect, in both private practice and academia, Mr. Pilla is steeply engaged in the interface of engineering and architecture. DRPILLA, the 30 person firm Mr. Pilla founded in 1999 offers structural and civil consulting engineering services as well as supportive architectural planning and design to public and private organizations predominately in New York City and its surroundings. The firm's breadth of work spans the full spectrum of building types and sectors. The firm specializes in comprehensive evaluation of existing buildings and developing alterations and modifications, which augment and incorporate the building's viable functionality for re-use.

In academia, Mr. Pilla is a lecturer in the School of Architecture and the School of Engineering at Rensselaer Polytechnic Institute, where the bridging of both disciplines (Engineering and Architecture) is essential to convey ideas involving materials and structural systems applicable to design development.

Both professionally and pedagogically, Mr. Pilla continues to synthesize engineering and architectural technologies for the advancement of the built environment.

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.

PROFESSIONAL AFFILIATIONS, CERTIFICATIONS AND ACCREDITATIONS

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**

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

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

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

AWARDS

- 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
- Brick in Architecture Bronze Award for Residential Single-Family, 2015
- Queens and Bronx Association Award, 2015
- Engineers Without Borders Certification of Appreciation, 2015
- Society for Marketing Professional Services-NY Industry Award, 2012
- Outstanding Residence of the Year Award, 2012
- LEED for Homes, Gold Award, 2011
- New York State Historic Preservation Award, 2009
- Outstanding Residence of the Year Award, 2007