



SAMI S. MATAR, P.E.

Associate Partner

As Project Manager, Mr. Matar provides detailed guidance on the analysis and the development of the structural design and coordinates structural engineering services with the Owner, Architect, Services Engineer and Contractor. He works closely with LERA's Project Director and Partner-in-Charge and with the staff of other firms.

PROFESSIONAL EXPERIENCE

LERA Consulting Structural Engineers
1995 to Present

REGISTRATION

Professional Engineer – NY

EDUCATION

Cornell University
M. Engineering, Civil Engineering, 1995

Princeton University
B.S.E., Civil Engineering, 1994

HONORS & ACTIVITIES

B.S.E. Cum Laude, Princeton University

Member, Structural Engineers Association of New York

Member, ASCE Tall Buildings Committee

Member, ASCE Performance Based Design for Tall Buildings for Wind Task Committee

LANGUAGES

English, Spanish, French, Arabic

INVESTIGATIONS

High-Rise Residential Tower, *New York, NY*
Hospital Facility, *Northeastern United States*
Concrete Pool, *Northeastern United States*
Airport Investigation, *Middle East*

RENOVATIONS/REPAIRS

PANYNJ, HT Toll Booth Building Column Removal, *Jersey City, NJ*
PANYNJ, Structural Engineering On-Call, *New York, NY*
NYS ESD/CCOC, Javits Convention Center Renovation & Expansion, *New York, NY*
New-York Historical Society Renovation, *New York, NY*
World Trade Center Miscellaneous Repairs, *New York, NY*

BLAST RESISTANT DESIGN / SECURITY ENHANCEMENT

United Nations, Consolidated Building, *New York, NY*
1 World Trade Center, Freedom Tower – Peer Review, *New York, NY*
Federal Facility Security Enhancement, Building 1
Federal Facility Security Enhancement, Building 2
Federal Facility Security Enhancement, Building 3
Federal Facility Security Enhancement, Building 4
Risk Assessment Project for the MTA, *New York, NY*
1 Manhattan West NE Tower – Peer Review, *New York, NY*
Embassy Building Investigation

GOVERNMENT/PUBLIC FACILITIES

NYC DDC, Hunts Point Youth Recreation Center, *Bronx, NY*
Regional Justice Center, *Las Vegas, NV*

TRANSPORTATION/INFRASTRUCTURE

PANYNJ, LaGuardia Int'l Airport – Terminal B Pier A & B Demo, *Queens, NY*
PANYNJ, LaGuardia Int'l Airport – Delta Terminal C East, Terminal C West & Terminal D Demo, *Queens, NY*
PANYNJ, LaGuardia Int'l Airport – West Parking Garage Temporary Connector, *Queens, NY*
PANYNJ, LaGuardia Int'l Airport – Temporary Connector Bridge, *Queens, NY*
Capitol Crossing Platform, *Washington, D.C.*

OFFICE/MIXED-USE

KLCC Lot 91, *Kuala Lumpur, Malaysia*
Al-Assima, *Kuwait City, Kuwait*
Espirito Santo Plaza, *Miami, FL*
BDNI Center, *Jakarta, Indonesia*
BASF Corporation Headquarters Phase II, *Mount Olive, NJ*
Alpha Supremus, *Mumbai, India*
Korean Mission, *New York, NY*

REPORTS/STUDIES

Brooklyn Piers, *Brooklyn, NY*
WTC Structural Integrity Inspections, *New York, NY*
West Haven Urban Renewal – Bronx Terminal, *Bronx, NY*

PAPERS AND TALKS

Co-Author, "Design and Performance of Tall Buildings for Wind," ASCE Manuals and Reports on Engineering Practice No. 143, December 2020

Co-Presenter, "A Manual of Practice for Design and Performance of Tall Buildings for Wind," ASCE SEI Structures Congress, April 2019

Presenter, "State-of-the-Art Innovations and Implementations in Tall Building Design and Construction," ASCE SEI Structures Congress, April 2018

Co-Author, "A Structural Engineer's Approach to Differential Vertical Shortening in Tall Buildings," International Journal of High-Rise Buildings, CTBUH, March 2017

Presenter, "The Museum of Islamic Art, Doha, Qatar," ASCE NY Chapter, February 2007

EDUCATIONAL FACILITIES

Princeton University, **Friend Center for Engineering Education**, Princeton, NJ

SUNY Farmingdale, **Biotechnology Incubator Facility**, Farmingdale, NY

Learning Spring Elementary School, New York, NY

HEALTHCARE/LABORATORY FACILITIES

DASNY/NYC HHC, **Bellevue Hospital Center**, New York, NY

MUSEUM/CULTURAL FACILITIES

London Cross Pavilion, Bedford, NY

Newseum & Freedom Forum, Washington, DC

Museum of Islamic Art, Doha, Qatar

Natural History Museum of Utah, Salt Lake City, UT

William J. Clinton Presidential Center, Little Rock, AR

Berlin Historical Museum Addition, Berlin, Germany

HOTEL/RESIDENTIAL

Lodha World One Towers, Mumbai, India

Agaoglu Maslak 1453, Istanbul, Turkey

Hermitage Plaza, Paris, France

491-495 West Street, New York, NY

RETAIL

Neiman Marcus, San Francisco, CA

Hong Kong Central Station Retail Bridges, Hong Kong

Morrell & Co. Wine Store and Wine Bar, New York, NY

RECREATION FACILITIES

NYC DDC, Hunts Point Youth Recreation Center, Bronx, NY

PEER REVIEWS/STRUCTURAL AUDITS

Gotham 1 & 3, Queens, NY

262 Fifth Avenue, New York, NY

85 Jay Street, Brooklyn, NY

Courvoisier Courts, Miami, FL

2 Tequesta Point, Miami, FL

Sky Suites, Mumbai, India