



## Summary of Professional Experience and Qualifications for

**Aamer Islam, P.E.**  
**Principal**

Mr. Islam has over thirty years of experience in the design of new high-rise office buildings, residential buildings, health care facilities and other types of structures, as well as in the rehabilitation of existing buildings. He has managed all phases of the structural design of a project, from the development of conceptual framing schemes to administration during the construction phase. He has broad depth of experience in handling a wide variety of projects all around the world, including the Petronas Towers, which are currently the tallest buildings in the world. Mr. Islam's knowledge has enabled him to develop creative, economical structural solutions that have contributed to the success of many projects.

### Education

Master of Science in Engineering, 1985, Cornell University, Ithaca, NY.  
B.S. in Engineering, 1984, N.E.D. University of Engineering & Technology, Karachi, Pakistan

### Registrations

Registered Professional Engineer in New York, New Jersey, Pennsylvania, Connecticut, Massachusetts, Rhode Island, Virginia and Florida.

### Professional Activities

Keynote Speaker at engineering conferences in Brazil, Mexico, Pakistan, Columbia and USA.  
American Society of Civil Engineers (ASCE), member  
Fiber Composites & Polymers Standards Committee, member  
American Concrete Institute (ACI), member  
American Institute of Steel Construction (AISC) member  
American Council on Tall Buildings & Urban Habitat (CT BUH)

### Awards

"Hero at Ground Zero Medal" from New York Construction News

### Representative Project Experience

#### Mixed-Use and Commercial Projects



**Petronas Towers**, Kuala Lumpur, Malaysia. This project included the two tallest buildings in the world, with a two-level interconnecting bridge at the 42<sup>nd</sup> Floor. The development also included an 8-story, two million square foot steel-framed retail complex at the base of the towers. Work responsibility included: setup and management of a 20-engineer on-site office for all construction administration services for this project, providing technical advice to Contractors, developing testing and inspection procedures, training Local Engineers in Shop Drawing review services and inspection procedures and helping to resolve constructability issues and establish guidelines for the Contractors.



**Menara Carigali**, Kuala Lumpur, Malaysia. Menara Carigali is a 60-story mixed-use tower to be built in Kuala Lumpur, Malaysia with retail, parking, office and residential spaces for the Kuala Lumpur City Centre Complex. The architectural design scheme envisioned a curvilinear triangle form of the building in plan for the residential portion of the tower. Below the residential tower, the floor plan expands to a rectangular shape at the office portion of the tower. The net area of the building is estimated to be 1,224,000 square feet.



**Four Seasons Centre**, Kuala Lumpur, Malaysia. Four Seasons Centre in Kuala Lumpur Malaysia is approximately 210,000 square meters in total building area. The project consists of a Hotel having approximately 140-keys, 110 Service Apartment units, 300 residential units, 80,000 square meters of retail space and parking facilities to accommodate more than 1,800 vehicles. The project includes two buildings: one 43-story building and one 70-story building. The two towers share a common Podium.

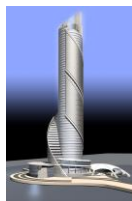
**Random House World Headquarters**, New York, New York. The structure of this 840,000 square foot, 56-story building transitions from steel framing to concrete construction at the 27<sup>th</sup> Floor. This combination of materials allowed the Owner to provide longer clear spans at the office floors and a greater number of floors at the residential levels above by using concrete flat slab construction. This building also had the first set of Liquid Column Mass Tuned Dampers ever used in a building in the USA. The damper system was built at the roof level to mitigate wind-induced vibrations in the building.



**Times Square Site One (Ernst & Young)**, New York, New York. Located on a narrow trapezoidal site in Times Square, the 48-story building rises 770 feet above grade and descends below grade to provide two Basement levels. The site is surrounded by existing subway lines. Super-diagonal exterior bracing provided the tower with the necessary resistance to lateral forces, using only 27 pounds of structural steel framing per square foot for the overall structure. The northern one-third of the building is constructed in and around an existing subway entrance and concourse. Structural Design Services included provisions to re-support the subway structures as necessary.



**Canary Wharf Buildings**, Phases II & III, London, England. Provided structural design of five new buildings, two of reinforced concrete and three steel-framed structures, each 12 stories high with two levels of underground parking supported on pile foundations. Also completed preliminary design for two steel-framed highrise buildings (48 stories and 22 stories).



**Dubai Metals and Commodities Center (DMCC)**, Dubai, United Arab Emirates. Providing the focal point of an expansive man-made lake, this 60-story mixed-use tower houses premium office space and a world-class luxury hotel in more than 10,000,000 square feet of space. The 83,000 square foot Diamond Exchange enjoys a dramatic 300 foot clear span space at the base of the tower. Three levels of parking are provided in 474,000 square feet of space located below grade and below the water level of the surrounding lake.



**Al Burj, Dubai, United Arab Emirates.** The structural form of Al Burj has evolved from the structure of the bamboo plant. The tower's footprint is composed of three triangular shapes with curvilinear sides and a hollow circular interior. The stiff exterior shell with the hollow core results in an extremely efficient structural system. The building will house 724 apartments, ranging from 300 square-meter (3000 square feet) simplexes to 600 square-meter (6,000 square feet) triplexes with individual swimming pools. In addition to the residential portion of the building, an observation deck is planned at one of the top floors.



**La Nacion Office Tower, Buenos Aires, Argentina.** A 16-story addition was constructed above an existing 8-story urban office building. The existing offices were occupied throughout the project. The development of an extremely light steel frame for the new floors, in combination with the reinforcement of existing concrete shear walls and the design of a unique system of transfer trusses which minimized the need to retrofit the existing concrete columns, made the project feasible. As part of the work, the existing foundations were upgraded.



**Plaza V, Jersey City, New Jersey.** One of a series of buildings being built at the **Harborside Financial Center** along the Hudson River waterfront. This project consists of a 35-story building of approximately 915,000 square feet with a seven-story, 1,270-car parking garage pedestal.

- In charge of full management of structural design from concept to completion of construction
- Steel bid documents were prepared in an extremely short six week period from Project inception

**Dhaka International Plaza, Dhaka, Bangladesh.** A one million square foot hotel, office and retail complex. It includes a 23-story hotel and a 20-story office tower with a six-level podium base.



**Columbus Towers Complex, Jersey City, New Jersey.** This project includes the design of a 35-story concrete residential tower (42,000 m<sup>2</sup>), a 7-story concrete parking structure (33,000 m<sup>2</sup>) with a rooftop recreational area including a pool, and a 3-story steel office building (3,400 m<sup>2</sup>).

**Riva Pointe Condominiums, Weehawken, New Jersey.** Phase III design for an apartment complex situated on an existing pier on the Hudson River. Reviewed existing conditions and provided design for a new base over the existing structure to receive five levels of modular units.



**Daelim Togok Complex, Seoul, Korea.** A 1.75 million square foot complex consisting of two 46-story apartment buildings, a 32-story office building, a 1 million square foot shopping complex and 6 levels of underground parking and mechanical areas.

- Developed structural system for three tower structures
- Managed the design production team and coordinated with the Architect and other consultants