

<u>EDUCATION</u>	VIRGINIA TECH Master of Science in Structural Engineering	Blacksburg, VA 2009
	MANHATTAN COLLEGE Bachelor of Science in Civil Engineering	Riverdale, NY 2007
<u>LICENSES</u>	Registered Professional Structural Engineer in California Registered Professional Engineer in New York Registered Professional Engineer in Alaska OSHA 10 Hour Construction Safety NYC DOB 4 Hour Supported Scaffold User ICC Structural Steel and Bolting Special Inspector	
<u>PROFESSIONAL ASSOCIATIONS</u>	Member, American Council of Engineering Companies (ACEC), Council of American Structural Engineers – Structural Engineering Guidelines Committee Member, Structural Engineers Association of New York, (SEAoNY)	
<u>EXPERIENCE</u>	GILSANZ MURRAY STEFICEK ASSOCIATE PARTNER	March 2014 to Present, July 2007-August 2008
	25 Water Street – New York, NY GMS is providing structural engineering services for the conversion of this 22-story, 1.1 million sf office tower into a residential building. The project includes a 10-story addition, two new egress stairs, 2 new courtyards within the existing building to provide light and air, as well as new building systems and elevators. GMS is reinforcing beams and columns as necessary and providing a new lateral load resisting system.	
	160 Water Street – New York, NY GMS is providing structural engineering services for the conversion of this 24-story office tower into 588 market rate rental apartments. An interstitial mechanical floor will be infilled, and 5 new floors will be added atop the existing structure. A new lateral bracing system was added to the entire height of the building to accommodate the new wind loading from the additional floors. The curtain wall will be reskinned to create operable windows, with the spandrels and mullions treated to create a refreshing new façade. The new residential building will offer water views, and an array of amenities including a bowling alley, gym, spa, and an extensive rooftop landscape complete with outdoor cooking and dining areas.	
	1221 Avenue of the Americas – New York, NY GMS is providing structural engineering and façade consulting services for the redevelopment of the East Plaza to create a dynamic public space at street level, which complements the recently refurbished lobby with high-end amenities below grade at levels C1-C2. There are two main areas to the project: the above ground redevelopment of the East Plaza and the redevelopment of level C1 with its corresponding exterior space currently referred to as the ‘Sunken Plaza’.	

Northwell Health Sandra Atlas Bass Otolaryngology Center – New Hyde Park, NY

Structural design for a new, 580,000 sf, 14-story structural steel building adjacent to the existing medical center. This work was performed by GMS Partners prior to the founding of our firm.

135 West 50th Street – New York, NY

GMS is providing structural engineering and façade consulting services for the redevelopment of this 925,000 sf tower. The structural scope consists of a new double height atrium space in the north and south lobby, a workspace amenity floor, roof terrace on the 24th floor, elevator extension, review of floor loads and window replacements. Façade consulting services include glass replacement in curtain wall spanning approximately 23 stories, wind engineering analysis and assistance with energy code compliance analysis.

7 Hanover Square / 100 Pearl – New York, NY

GMS provided structural engineering services for the renovation of this 970,000 sf, 27-story office building. The structural scope included renovation of the infrastructure, the new main lobby, the conversion of the 14th floor MER to tenant space, new roof amenity space and the extension of the retail footprint on all sides of the building.

Staten Island University Hospital Central Utility Plant - Staten Island, NY

GMS is working with Northwell Health to design a new 12,000 sf Central Utility Plant building with new chillers, boilers, pumps, switchgear, cooling towers and generators. The new building will be built on piles.

Tangram aka Two Fulton Square – Flushing, NY

This 1,403,500 square foot mixed-use development located at Prince Street and 39th Avenue in Flushing, New York (one block north of the One Fulton Square), will include four buildings above three levels of below grade parking.

560 Broadway/100 Crosby – New York, NY

GMS provided structural engineering services for the redevelopment of this six-story landmark in SoHo which extends along Prince Street from Broadway to Crosby Street. This project includes a new lobby entrance, new elevators, reconfigured egress stairs and the removal of sections of bearing wall, to provide more useable retail space. GMS also worked with Converse to expand their existing store at 560 Broadway. The renovations include a new architectural stair designed around a two-stop elevator with the pit in the sub-cellar, two (2) new dumbwaiters, new HVAC equipment, and leveling the Broadway side of the first floor to match the adjacent elevation at Crosby Street.

Quinnipiac University York Hill Campus – Hamden, CT

The new complex at Quinnipiac University York Hill Campus includes a 1,800 bed crescent-shaped dormitory, 5 story free-standing parking garage for approximately 2000 cars, 26 smaller stand-alone dormitories totaling 636 beds and an 85,000 SF

Student Center with the campus' central mechanical plant in the basement, campus dining areas and student activity spaces.

St. Anthony's High School Student Center – South Huntington, NY

The Student Center is a new multi-level 145,000 square foot Athletic and Arts facility. GMS designed the foundation system and lower level framing to support the pre-engineered steel building with an approximate footprint of 320 foot by 220 foot. The ground floor framing is a concrete waffle slab to accommodate the loads above and architectural intent of the lower level. GMS also designed steel framed structures to act as the "common corridor" connecting the new facility to the existing building. Another design feature includes a tunnel below the roadway, so students can access the outdoor playing facilities directly from the Student Center.

Gateway Estates Comfort Station – Brooklyn, NY

The project is a new 600 square foot comfort station on the grounds of the proposed Gateway Estates playground. The structure will be a single story and will be comprised of masonry walls and a metal roof that pitches to a diagonal valley.

YMCA Patchogue – Patchogue, NY

GMS designed the structural systems for the new \$20 million three-story 65,000 sf athletic facility on Main Street in Patchogue. The facility includes a gymnasium with elevated running track, fitness center, 25 yard pool, two-story rock climbing wall, classrooms and multi-purpose space. In response to the unique design, the structural support features a variety of framing systems such as long span steel trusses at the gymnasium, heavy timber framing to span the pool and atrium and exposed steel tube columns and bracing throughout

Child's Restaurant at Coney Island – Brooklyn, NY

Performed field investigation of existing conditions and developed probe drawings as part of the feasibility study for renovation and/or additions to the landmark restaurant.

St. John's Carnesecca Arena – Queens, New York

Developed a 3-D model of the existing roof truss in SAP 2000 to perform an analysis of the renovation to the arena's ceiling including the addition of a new video scoreboard.

160 Fifth Avenue – New York City

Full gut renovation of nine-story, 136,000sf landmark building built in 1892. Existing building consisted of terra-cotta flat arch slabs, steel beams and cast iron columns. GMS worked on the steel design for relocation of the elevator and stair core, infills, and conversion of existing roof to a public rooftop garden.

**ISLAND STRUCTURES ENGINEERING PC
SENIOR STRUCTURAL ENGINEER**

April 2010 to February 2014

Durham-York Waste to Energy Facility – Clarington, Ontario, Canada

Lead structural engineer of a multi-building waste burning facility totaling 99,000sf and capable of burning 154,000 tons of waste a year and producing 17.5 Megawatts of energy.

Topping Rose House – Bridgehampton, NY

37,600sf luxury hotel complex and restaurant that included a full gut renovation of Civil War era historic home with a new full height basement, relocation of historic barn structure and construction of five new buildings on the site.

New York Police Department Forensics Lab – New York, NY

New rooftop dunnage for mechanical equipment and new Con Ed basement vault.

319 Sunrise Highway – West Islip, NY

New 7,000 square ft steel framed commercial office building

Devon Power Generating Facility – Devon, CT

Designed foundations for new gas-turbine power plant. Investigated poor quality concrete and re-analysis of foundations with lower concrete strengths.

Grumman Studio Renovation – Bethpage, NY

Renovation of former Grumman office area into TV/movie studio storage.

Mt. Sinai Medical Center – New York City, NY

Renovation of basement levels to accommodate replacement of 6 boilers.

PREPA South Coast – Guayanilla, Puerto Rico

Designed new steel and platforms for mechanical equipment being added to the boiler steel structure.

AECOM

Summer 2004 and 2006

Worked two summers as an intern. One was spent with Inspecting Engineers at American Airlines Terminal at JFK Airport and the other assisting Construction Managers at NYC DEP North River Water Pollution Control Center.

PUBLICATIONS

Fire Behaviour of Concealed Connections for Steel Gravity Frame Construction, From IX Connections AISC-ECCS Workshop on Connections in Steel Structures, 2-4 June 2022, Ramon Gilsanz, Erica C. Fischer, Daniel Gleave, Andrew Dolan, and Sarah Ropert.

AWARDS

2021 AISC Steel SpeedConnection Challenge Grand Prize-Winning Team