

<b><u>EDUCATION</u></b>	<b>STATE UNIVERSITY OF NEW YORK AT BUFFALO</b> Master of Engineering in Civil Engineering	Buffalo, NY September 1998
	<b>NATIONAL TAIPEI INSTITUTE OF TECHNOLOGY</b> Diploma in Civil Engineering	Taipei, Taiwan June 1992
<b><u>LICENSES</u></b>	Registered Professional Engineer in California	
<b><u>PROFESSIONAL ASSOCIATIONS</u></b>	<p>Member, Structural Engineering Association of New York (SEAoNY)</p> <p>Member, American Society of Civil Engineers, Structural Engineering Institute (ASCE/SEI)</p> <p>Member, American Concrete Institute (ACI), ACI Committee 318 and ACI Committee 375 Design for Wind Loads, Structural Concrete Building Code</p> <p>Member, American Institute of Steel Construction (AISC)</p> <p>Member of GEER/ATC Post-Earthquake Reconnaissance Team to Meinong Taiwan in February 2016.</p>	
<b><u>EXPERIENCE</u></b>	<b>GILSANZ MURRAY STEFICEK</b> ASSOCIATE PARTNER	<b>November 1998 to present</b>
	<b><u>New Steel Building Projects</u></b>	
	<b>SGI Queens Buddhist Center - Long Island City, NY</b> GMS is providing structural engineering and special inspection services for a new 3-story community center, approximately 15,000 sf, at 40-40 24 <sup>th</sup> Street in Long Island City. The steel framed building will include a partial cellar and a garden at the 2 <sup>nd</sup> floor level. Amenities will include a religious assembly space with stage, bookstore, lounge/pantry and various meeting rooms. In addition to the structural design, GMS provided site, vibration and crack monitoring services as well as a preconstruction survey of the site.	
	<b>68 / 74 Trinity Place – New York, New York</b> New 400 foot tall, 325,000 sf mixed-use building, with two basements, 32 floors plus mechanical and penthouse levels. Completed in March 2020.	
	<b>Nike at 529 Broadway – New York, NY</b> The existing two-story landmarked building was transformed into a six-story retail and office space, on the corner of Broadway and Spring Street. The complete rehabilitation stripped the building to the foundation walls. The total framed area of development is approximately 61,400 square feet.	
	<b>Tangram Two Fulton Square – Flushing, NY</b> 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), includes four 15- or 16-story towers above a 225,000 square foot, two level retail podium and three levels of below-grade parking. The retail includes a 34,000 square foot movie theatre. The towers will be occupied by over 300 residences, 80,000 square feet of	

office spaces and a hotel. The amenities for the residential units included a swimming pool, tennis courts and a roof garden. GMS is providing full structural engineering design and construction administration services.

**301 West 125<sup>th</sup> Street – New York, NY**

This new four story commercial retail building, with a partial cellar is approximately 78,000 sf. GMS provided structural engineering and special inspection services.

**American Physical Society – Ridge, NY**

GMS provided structural engineering services for the renovation and expansion of the APS Editorial Headquarters. The site is located within the Long Island Pine Barrens Preservation area, so we were not allowed to expand the building footprint. The addition was constructed above the existing building, while the facility maintained operations.

**510 Madison Avenue – New York, NY**

GMS provided structural engineering and building envelope consulting services for a new 30-story, 300,000 sf office building with ground level retail, health club and other amenities. The project is pursuing LEED Gold Certification.

**610 Broadway – New York, NY**

This building features 110,000 sf, 7-story office building with retail at street level, an insulated clear glass curtain wall and 80 foot high interior atrium above an existing three-level, basement parking lot.

**300 Madison Avenue – New York, NY**

1.2 million-sf office building on the southwest corner of 42nd Street and Madison Avenue in New York City. The major objectives of the design were keeping to a schedule and budget, while delivering a serviceable and strong structure to address the post 9/11 safety concerns of the tenant. Creative structural solutions allowed the Client and the Contractor flexibility in construction and cost. The atypical use of 65 ksi steel and the deliberate design served to attain these objectives. Winner of the ACECNY Diamond Award for Structures and was a finalist for ACEC National.

**838 Fifth Avenue – New York, NY**

Floor framing design for complete renovation of a 12-story residential tower.

**Existing Steel Building Renovation Projects**

**Times Square Retail – New York, NY**

GMS structural engineers worked with the landlord to convert the this large retail space back to “white box” condition and improve the space by extending the basement and prior to demising the area into smaller stores. Currently, we are serving the “sister” tenants for a new 51,000 sf flagship and a new 52,000 sf flagship within the block long building. The fast-track schedule and complicated coordination issues require the extensive participation of GMS in all aspects of the design and construction.

**Grace Building – 1114 Avenue of the Americas, New York, NY**

A new storefront, additional entrances, a new kiosk and expansion of the pavilion on the plaza were all part of the renovation for this iconic Midtown Manhattan office building during the renovation of the building's public spaces.

**1411 Broadway – New York, NY**

Design and detailing for renovation of the lobby, storefront, and plaza including new tree pits and kiosks, structural support at the exterior wall at the at Broadway and Seventh Avenue storefronts, and a new canopy. GMS is also involved in the façade restoration and structural design for new window washing rig.

**Institute for the Study of the Ancient World – 15 East 84th Street, New York**

Renovation of a 100-year-old, 27,000 sf, six-story townhouse to house the new Institute, and include space for exhibitions, a substantial library, and lectures. Special features included the lowering of the entry level to accommodate ADA standards and dismantling 3 floors in order to build 4 levels of high density files for the library. This project was featured in Metals in Construction magazine.

**City Club Hotel – 55 West 44th Street, New York, NY**

GMS served as the structural engineer for the gut renovation and restoration of this former private club into a hotel. The design in 1999 included the reinforcing of the existing columns, new columns, new foundations and a new lateral load resisting system to accommodate the future addition of up to 10 new floors.

**350 Madison Avenue – New York, NY**

The expansion and renovation of an existing twenty-four story office building to create additional floor area on the upper floor.

**New York University, Weinstein Dining Hall – New York, NY**

Design of a one-story steel structure addition to an existing concrete framed nine-story twin tower building.

**340 Madison, New York, NY**

This project was the 6 story, 120,000 square foot addition to an existing 22 story office building in Midtown Manhattan. Infilled the existing courtyard and designed a new lateral load system for the new combined structure.

**New Concrete Building Projects**

**Toyoko Inn – Long Island City, NY**

New, approximately 300,000 sf, 1,049 key, 50-story hotel with three cellar levels. The G train subway line runs below Jackson Avenue with the Court Square station to the south of the site and the elevated portion of the 7 subway line runs adjacent to the west side of the site.

**Virgin Hotel at 29th to 30th Streets – New York, NY**

The new US flagship Virgin Hotel is planned to be 440,000 sf over 38 stories providing 460 rooms. The five story podium and lower levels will house conference space, hotel amenities and 80,000 sf of retail area, with two large terraces on the third floor. This project will occupy the full block between 29<sup>th</sup> and 30<sup>th</sup> Streets along Broadway in NoMad (north of Madison Square), Manhattan. Currently in construction, the project is adjacent to the subway lines running along Broadway, so approval of the MTA Office of Outside Services was required.

**Tangram 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), includes four 15- or 16-story towers above a 225,000 square foot, two level retail podium and three levels of below-grade parking. The retail includes a 34,000 square foot movie theatre. The towers will be occupied by over 300 residences, 80,000 square feet of office spaces and a hotel. The amenities for the residential units included a swimming pool, tennis courts and a roof garden. GMS is providing full structural engineering design and construction administration services.

**Renaissance Hotel – 218 West 35th Street, New York, NY**

This new hotel near Macy's is 38 stories, plus the roof. Approximately 200,000 sf of concrete flat-plate construction built on a mat foundation. GMS served as the Engineer of Record and as the Special Inspector for concrete construction and steel erection, bolting and welding.

**Queens Bridge Plaza North – Long Island City, NY**

GMS is providing structural engineering for this new, 319,000 sf, twenty-one story high residential building. The building will be cast-in-place concrete flat plate construction on a combination of spread footings piles and mat foundations.

**One Fulton Square – Flushing, NY**

This new \$125 million, 332,000 square foot development at Prince Street and Roosevelt Avenue in Flushing, New York will include two levels of below grade parking, ground, first and second story medical offices with a residential condominium of 12 stories on the corner of Prince and Roosevelt and ground, first and second story retail plus a nine story hotel fronting along 39th Avenue.

**4 Sutton Place – New York**

Renovation of a two-story, penthouse residential condominium including transfer of a column, reconfiguration of floor supports, and new stairs.

**67 Vestry Street – New York, NY**

The existing building was demolished and reconstructed into an 11-story, cast-in-place concrete residential building. The original pile foundation was preserved, but additional piles and new caps were used to appropriately distribute the column load for the new structure.

**350 West Broadway – New York, NY**

A 10-story mixed use building between Grand Street and Watts Street with approximately 13,000 sf of commercial space on the 1st and 2nd floors and 28,000 sf of residential space and the building is supported by piles.

**2056 Fifth Avenue – New York, NY**

Renovation of the church building into a multi-family apartment building.

**Shaye Residence – Bridgehampton, NY**

Addition of two new floors, and renovation of an existing two (2) story private residence including raising the second floor and roof, expanding the second floor, and reinforcing the existing pile foundation.

**School of Public Health, University of Michigan – Ann Arbor, MI**

New 125,000 sf, 8-story tower housing University of Michigan modular laboratories and 70,000 sf total renovation of existing structure. The project includes structural design challenges such as column transfers, spanning an existing roadway and tight proximity to two existing buildings

**Mercer 40 – 40 Mercer Street, New York, NY**

A new luxury 13-story, 156,000-SF cast-in-place residential condominium building including 10,500-SF of retail and below-grade parking. One of the challenges includes coordination with the MTA since the project site is adjacent to a subway line. Flat plate slab with shear walls.

**110 Ridge Street – New York, NY**

A new seven-story residential building, partly built over an existing one-story commercial building.

**The World of Nam June Paik – Solomon R. Guggenheim Museum, NYC**

Structural analysis and assistance for the installation of a 75 foot cable laser waterfall and sculptural piece.

**KATCH CONSULTING ENGINEERS**

**June 1992 to May 1995**

STRUCTURAL ENGINEER

Analysis and design for residential, office and multi-purpose buildings including low-rise and high-rise steel framed, reinforced concrete frame buildings.

**PRESENTATIONS** Evaluation and Performance of Taiwan Housing and Schools in the Kaohsiung / Meinong Earthquake, Ramon Gilsanz, Cathy Huang, Jessica Mandrick and Joe Mugford (GMS/New York), Shyh-Jiann Hwan and Tsung-Chih Chiou (NCREE/Taiwan), and Mehmet Çelebi (USGS/California), 16<sup>th</sup> US-Japan-New Zealand Workshop on the Improvement of Structural Engineering and Resiliency, Nara, Japan, June 27-29, 2016

**PUBLICATIONS** Deflection of Flat Plate Slabs, Cathy I-Chi Huang, David E. Hoy, Yun Jennifer Lan, Camille de Romémont, and Ramon E. Gilsanz, *Concrete International*, August 2020, pages 36-41.