

<u>EDUCATION</u>	THE PENNSYLVANIA STATE UNIVERSITY Master of Architectural Engineering Bachelor of Architectural Engineering	University Park, PA August 2007 August 2007
<u>LICENSES</u>	Registered Professional Civil Engineer in the State of California Registered Professional Civil Engineer in the State of New York	
<u>PROFESSIONAL ASSOCIATIONS</u>	Member, GEER/ATC Post-Earthquake Reconnaissance Team to Meinong Taiwan in February 2016 Founding Member and Liaison, US Resiliency Council (USRC) Member, New York City Department of Buildings' Structural Technical Committee for the Revisions to the 2008 & 2018 New York City Building Code Voting Member, ASCE 7-22, Seismic Subcommittee Task Committee TC-13 Mentor, ACE Mentoring Board Trustee, Hemophilia Association of New York	
<u>EXPERIENCE</u>	GILSANZ MURRAY STEFICEK PARTNER	September 2007 to Present
	Lever House – New York, NY GMS is providing structural engineering for the restoration of Lever House, which will include refurbishment of the plaza, terraces, high roof and subterranean parking.	
	Confidential Investment Management Firm – New York, NY GMS is providing structural engineering and special inspection services for this Investment Firm's new corporate headquarters at 50 Hudson Yards. The 850,000 sf fit-out spans several floors and consists of open workspace floors, private offices, trading and executive floor, a double-height auditorium, conference center and dining along with food preparation areas. While 50 Hudson Yards is still in under construction, GMS is providing base building oversight required to support the fit-out program. Project completion is anticipated by 2022.	
	1100 Avenue of the Americas – New York, NY The repositioning of 1100 AoA included relocating the lobby to the middle of the building requiring the removal of a line of columns to create a passage through from south to the north and required transfer girders and new columns to carry the gravity load down to the foundation. Removing the floor above the future lobby created a double-height space. A new lateral load resisting system, new mechanical and electrical systems, as well as new energy-efficient curtainwall replaced existing systems which were last updated in 1984. The building was originally constructed in 1906 and is adjacent to subway tunnels on the south and west sides of the site.	
	Confidential Law Firm – 1271 Avenue of the Americas, New York, NY GMS is providing structural engineering services for the fit-out on five floors above- and two floors below-grade at this 47-story iconic mid-century Rockefeller Center building. The new space is approximately 133,000 sf. The project includes the design	

of a three-story double cantilevered single stringer stair and associated reinforcement of the floor structure. Other work consists of observation and analysis of structural integrity to support high-density file systems, IT equipment and live loads for public assembly occupancy, as well as design and detailing of supplemental supports for operable partitions

666 Fifth Avenue – New York, NY

Repositioning and renovation of the 40-story tower approximately 1,500,000 sf. The building was built in 1957 and was partly renovated in 1999. The existing retail will remain in place and no work on the exterior or interior are envisioned in those areas.

Townhouse – 77 Jane Street, New York, NY

GMS is providing structural engineering services for the renovation of two adjacent historic townhouses in Greenwich Village to create one four-story residence with an occupiable roof and full cellar. Our work includes the feasibility study and the structural design to lower and extend the cellar to create a lap pool with a skylight and planted roof, which serves as a rear garden. GMS also provided the support of excavation design which extended below the water table. The combined residence also includes a new elevator, new mechanical systems, with a generator and solar-heated hot water. Windows in the rear walls were enlarged and reinforcing were provided to resist lateral loads.

Salesforce, 3 Bryant Park (fka 1095 Avenue of the Americas) – New York, NY

GMS provided structural engineering services for the fit-out of Salesforce offices on the 1st, 16th, 17th, 18th to 20th, 23rd, and 41st floor and creation of a dedicated entry lobby with canopy for Salesforce employees.

730 Fifth Avenue – New York, NY

GMS is the structural engineer for the extensive redevelopment of the retail portions of the Crown Building, located at the corner of Fifth Avenue and West 57th Street. This multi-phase project included the structural design necessary for the relocation of the building lobby, the upgrades associated with all egress changes and mechanical upgrades for the building conversion, as well as the redesign for multiple high-end retail spaces along 56th and 57th Streets and Fifth Avenue.

Hotel at 27 East 4th Street – New York, NY

This new hotel building located adjacent to the Merchant House within the Noho Historic district, will be nine stories plus basement, approximately 100 feet tall, with floors approximately 27' wide by 60' long. Under construction.

Alvin Ailey American Dance Theater Expansion – New York, NY

An expansion to add two more studio levels and an office level was recently completed, but GMS served as both the structural engineer and façade consultant for the transparent, elegant building, the largest facility devoted to dance in the United States. From the street the building is a stage due to the almost exclusively glass

facades which allow neighbors and pedestrians an unobstructed view of the large open studios and inviting the community to be involved with the dance culture.

75 Rockefeller Plaza – New York, NY

The top-to-bottom overhaul of this landmark, built in 1947 included new double-height glazing and an upgraded entry. The reconfigured lobby required transfer of four existing building columns. The elevators, electric and HVAC systems were all updated, and a new irrigation system collects rainwater for the terraces. The 33-story building is LEED Gold certified.

Microsoft 677 Fifth Avenue – New York, NY

This renovation involved the removal of several building columns between the cellar and fourth floors along with the installation of a new feature stair, new elevator and new storefront façade. The stair, constructed from hollow steel tube sections, extends from ground to third floor, and is supported at the top and bottom and with two vertical tubes on one side of the middle flight of steps.

The Cubes - 1095 Avenue of the Americas – New York, NY

New 60,000 sf annex building and extensive structural modifications related to major modernization of the existing office building, lobby, plaza, connections to the subways and new storefronts.

285 Madison Avenue – New York, NY

Since 2012 GMS has provided structural engineering services for the owner/landlord to reposition this historic, pre-war, office building and create high-quality contemporary office space with a new distinctive entry and strong building identity. Our work in the lobby included column removal, extending elevator shafts and new rooftop amenities. GMS has also engineered multiple commercial interiors projects, including tenant fit-out, new mechanical systems and infrastructure, upgrades to common areas and reconfigured cores.

Queens Bridge Plaza North – Long Island City, NY

GMS is providing structural engineering for this new, 319,000 sf, 21-story residential building. The building will be cast-in-place concrete flat plate construction on a combination of spread footings piles and mat foundations.

205 Montague Street – Brooklyn, NY

GMS provided structural engineering for this proposed 500 foot tall, 42-story, concrete residential tower with approximately 330,000 sf and one cellar level. We are also providing the support of excavation, as well as pre-construction surveys, vibration monitoring, and MTA drawings submission due to the project's proximity to the 2, 3, and R subway lines. Prior to the new residential tower project, we provided structural design through design development and obtained NYC TA approval for adding 10 new stories to the existing six-story structure.

H&M – 589 Fifth Avenue, New York, NY

Renovation of 55,000 sf for a new retail space including new elevators, escalators and display spaces.

Schimmel Residence – Sagaponack, NY

Provided structural engineering services for a new two-story house approximately 7,200 sf and located within the FEMA AE Zone with moderate wave action.

Uniqlo – 666 Fifth Avenue, New York, NY

Renovation of 85,000 sf at 666 Fifth Avenue for a new retail store with new elevators, escalators and signature façade treatment.

Top Shop/Top Man – 478 Broadway, New York, NY

Structural engineering for a new 50,000 sf retail space including design, construction and construction administration for an open convenience stair and two new mezzanines.

Private Residence – Philadelphia, PA

The main house was renovated with a new addition on this property in Philadelphia. The pool house and tennis court building were added on the grounds. The tennis building supports solar panels on the high roof and includes basketball hoops, a two-lane bowling facility plus shuffleboard court and a planted “green” lower roof level.

Citibank N.A. – Pennsylvania, New Jersey, New York, Connecticut, Massachusetts

Performed structural condition assessments and alterations for numerous branches including over 230 between 2006 and 2008.

Downtown Community Television Center – New York, NY

The Landmarked structure will house an atelier for student films and provide screening rooms for DCTV to continue their mission of media education and the creation and presentation of documentary films as a means of strengthening democracy and enhancing civil society.

SUNY Stonybrook University – School of Dentistry

Structural engineering for a one-story expansion to an existing building.

Sunrise Yard-DOT Maintenance Facility – Queens, NY

Design and construction administration for a new 27,000 sf maintenance building, which provides a home base for the engineers, carpenters, plumbers and electricians who maintain and support DOT facilities. The project won the 2005 NYC Green Building Competition and achieved LEED Platinum Certification.

330 Madison Avenue – New York, NY

Services related to the overcladding, including a structural study of building setback roofs to assess the basic design capacity as well as a renovation of the lobby and second floors, cogeneration and chiller plant.

Lutheran Medical Center Ambulatory Care Pavilion

Design of a one-story office building with capacity for a future two-story expansion; approximately 25,000 sf per floor.

St. Francis Hospital – Roslyn, NY

Renovation and expansion of the St. Francis Hospital. The project includes the construction of a five-story underground concrete framed parking garage and a three-story concrete framed bed tower with basement. The project also consists of the extension of numerous existing buildings within the hospital grounds.

Iguana Point St. John – USVI

Provided structural engineering services for the modifications to the private residence, including a new garage building, a generator building and two pools.

Langman Residence – Southampton, NY

Provided structural engineering services for a new three-story single-family residence in Southampton, NY.

PS225K, PS102K, Madison Hills High School, Curtis High School – New York, NY

Structural engineering for a wide range of school renovations for NYC SCA.

Mount Sinai MOB – 160 West 124th Street, New York, NY

GMS is providing structural engineering services to construct 12 new floors plus cellar and to preserving the walls of a former parking garage in order to create a state-of-the-art medical office building for the Mt. Sinai Health system. GMS also provided demolition and support of excavation drawings. The new building occupies approximately 76,000 sf.

Spring Fertility Clinic – 114 West 41st Street, New York, NY

This project consists of structural engineering services related to design of an approximately 20,000 sf new outpatient fertility clinic located on the 2nd and 3rd floors of a 22-story building at 114 West 41st Street. Project includes lab and IVF facilities on the full 2nd floor and clinical and administrative space on the full 3rd floor.

PRESENTATIONS, PUBLICATIONS AND PAPERS, 75 Rockefeller Plaza: Column Transfers, Joe Mugford, John Hinchcliffe and Ramon Gilsanz, Structural Engineers Association of Arizona Annual Conference, June 2018

“Playing to the Base”, John Hinchcliffe, Joe Mugford, and Ramon Gilsanz, *Modern Steel Construction*, February 2018.

“75 Rockefeller Plaza: Transfer Girder Constructability”, John Hinchcliffe, Joe Mugford and Ramon Gilsanz, *STRUCTURE Magazine*, January 2018.

75 Rockefeller Plaza: Column Transfers, Joe Mugford, John Hinchcliffe and Ramon Gilsanz, ASCE/SEI Structures Conference, Denver, CO, April 6-8, 2017

“Thinking Outside the Cube”, Joe Mugford, and Philip Murray, *Modern Steel Construction*, September 2016.

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), 16th US-Japan-New Zealand Workshop on the Improvement of Structural Engineering and Resiliency, Nara, Japan, June 27-29, 2016

GEER/EERI/ATC Earthquake Reconnaissance January 26th/February 2nd 2014 Cephalonia, Greece Events, by Sissy Nikolaou, Dimitris Zekkos, Dominic Assimaki, and Ramon Gilsanz (Eds.), GEER, 2014

Sierra Bonita: Innovative use of Long Span Metal Deck Slabs and Shored Construction, 1st Annual Residential Building Design and Construction Conference, February 2013.