EDUCATION

JOHNS HOPKINS UNIVERSITY Baltimore, MD
Bachelor of Science in Engineering May 2012

JOHNS HOPKINS UNIVERSITY Baltimore, MD
Master of Science in Civil Engineering May 2013

LICENSES

Registered Professional Engineer in California and New York

PROFESSIONAL ASSOCIATIONS

American Society of Civil Engineers (ASCE) 41-22, Seismic Evaluation and Retrofit of Existing Buildings Committee Member, ASCE Structural Engineering Institute

EXPERIENCE

GILSANZ MURRAY STEFICEK **June 2013 to Present**
ASSOCIATE PARTNER

Fairfield University Convocation Center – Fairfield, CT
This new facility will include a 3,600 to 3,750 seat basketball or volleyball arena, of approximately 80,000 gsf. The seating can be reconfigured to allow two practice courts, or infilled to create an event or dining space. The project is in the design phase and has a total project budget of approximately $40M.

Major Financial Institution Initial Risk Assessments – Various Locations
Since 1992, GMS has provided structural engineering services for hundreds of Citibank branches throughout seven different states, Massachusetts, Connecticut, New York, New Jersey, Pennsylvania, Florida, and California. GMS has also performed conditions assessments following natural disasters, including heavy winter snow storms in New England and post-hurricane assessments along the Atlantic Coast. GMS has performed seismic hazard reviews for over 400 branch locations throughout the United States, Canada, and the Cayman Islands.

695 Sixth Avenue – New York, NY
Structural engineering services for investigation, assessment and redevelopment of this five story, 200,890 sf building. Built in distinct phases from 1889 to 1911, the building's original use was a department store that was later transitioned into textile manufacturing facility. The redevelopment project consists of a new roof plus a three story vertical expansion of approximately 48,000 zsf. The structural design for the vertical expansion is supported by a minimal number of new steel 'mega-columns' plus two new tied elevator/stair cores all supported on new foundations and rock. The new structure, 6th floor and above, is designed to be structurally independent of the original structure, yet designed to provide lateral support for the existing structure to improve resiliency.

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 4-story residence with an occupiable roof and full cellar. Our work includes the feasibility study and the structural design to lower the cellar by about 12 feet and to extend it into the rear

yard to create a lap pool with a skylight and planted roof, which will serve 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 will be enlarged and reinforcing will be provided to resist lateral loads.

Salesforce, 3 Bryant Park – 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 and canopy for Salesforce employees. This building is formerly known as 1095 Avenue of the Americas.

27360 Escondido Beach Road Residence – Malibu, CA
GMS provided structural design of the foundations and superstructure for a new, 3,121 SF, two-story, two-bedroom, beachfront single-family residence. The oceanfront site is subject to lateral spreading, and the foundation was designed to resist this force in addition to the seismic and flood loading. Site improvements include the installation of an access driveway, jacuzzi, and private sewage disposal system.

Meadow Lane House – Southampton, NY
Two story house with a full basement, pool and tennis pavilion, constructed in the flood plain using post-tensioned architectural concrete. The house includes a structurally independent brise-soleil and the exterior walls are thermally isolated from the interior. GMS worked with the contractor to avoid support of excavation by sloping the soil.

205 Montague Street – Brooklyn, NY
GMS is providing structural engineering for this new 500 foot tall, 42-story, concrete residential tower with approximately 330,000 square feet 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 projects proximity to the 2, 3, and R subway lines. Prior to the new residential tower project, we provided structural design through design development and NYC TA approval for adding 10 new stories to the existing 6 story structure.

75 Rockefeller Plaza – New York, NY
The top-to-bottom overhaul of this landmark, built in 1947 includes new double-height glazing and upgraded entry. A reconfigured lobby required transfer of four existing building columns. The elevators, electric and HVAC systems have all been updated and a new irrigation system will collect rainwater for the terraces. The 33 story building is LEED Gold certified.

677 Fifth Avenue – Retail - New York, NY
This confidential retail renovation involves the removal of several building columns between the cellar and fourth floors along with a new feature stair, new elevator and new storefront façade. The stair, constructed from hollow steel tube sections,

extends from ground to third floor, is supported at the top and bottom and with two vertical tubes on one side of the middle flight of steps.

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 is cast-in-place concrete flat plate construction on a combination of spread footings piles and mat foundations.

Southern Connecticut State University Science Center – New Haven, CT
The new Academic and Laboratory Science Building hosts teaching and research labs for physics, earth science, environmental science, molecular biology and chemistry. It includes a supercomputing lab for research in theoretical physics, bioinformatics and computer science within four-stories and 103,608 square feet. The building was entirely designed and documented in BIM using Revit and is LEED Gold certified.

1095 Avenue of the Americas – New York, NY
GMS provided structural engineering for the redevelopment of this building at 42nd-41st Streets on Sixth Avenue. Work included the reconstruction of the existing annex, enlarging the existing plaza, enclosing the existing MTA entry and relocating the entry to the east within the 1095 tower. These building projects are ready for leasing and the plaza reconstruction was completed in 2010.

Asics – 120 West 42nd Street, New York, NY
GMS provided structural engineering for the retail tenant including new elevators.

Sportime – One Randall's Island, New York, NY
The Sportime/John McEnroe Tennis Academy is the largest public tennis facility built in New York City in half a century. The project is a key component of the redevelopment of Randall's Island into a city-wide destination for sports and active recreation. GMS has provided several schematic alternatives for a new field house within the proposed expansion of the Sportime Tennis Center.

Blink Fitness – 1065 Avenue of the Americas, New York, NY
GMS is providing structural design and detailing services for a new elevator, the infill of two existing elevator openings at the ground and cellar level, the infill of an existing stair opening at the ground floor, and an opening for a new stair from the ground floor to the cellar level.

1240 Meadow Lane – Southampton, NY
Two story, architectural exposed concrete, single-family residence, located within FEMA VE, AE and X flood zones on the Atlantic Ocean beach.

515 West 29th Street – New York, NY
The existing six-story factory building, adjacent to the High-Line in West Chelsea, will be renovated and expanded to include a five-story, 14,000 square feet, addition over the existing 30,000 square foot structure. This will be a luxury residential building

featuring single-level units, duplexes and a triplex. It is scheduled for completion in July 2015.

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