EDUCATION

UNIVERSITY OF BUFFALO Buffalo, NY
Master of Science in Civil Engineering 2018

UNIVERSITY OF BUFFALO Buffalo, NY
Bachelor of Science in Civil Engineering 2017

LICENSES

Registered Professional Engineer in New York
OSHA Construction Safety and Health 10-HR
NYC DOB 4-HR Supported Scaffold User and Refresher Training
ACI Concrete Field Testing Technician – Grade I
ICC Reinforced Concrete Special Inspector Associate
ICC Structural Steel and Bolting Special Inspector

EXPERIENCE

GILSANZ MURRAY STEFICEK **July 2018 to Present**
ASSOCIATE

174 Mott Street – New York, NY
GMS provided structural engineering services for the full-gut renovation and fit-out of a 6-story, 42,908 gsf building. The project started with an initial structural assessment to evaluate prior renovation work and existing conditions. The scope included the design of a new clear-span steel roof structure supported by existing masonry walls to accommodate landscaping, MEP equipment, art sculptures, and occupancy loading, structural work related to the horizontal and vertical expansion of an existing elevator opening, and . replacement of the deteriorated sidewalk vault. GMS provided fit-out design services, including white boxing all floors except the 6th floor, which was built out as a new office space. Our scope included evaluating existing structural elements and advising on floor build-out design and specifications.

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.

Flatiron Building – 175 Fifth Avenue, New York, NY
GMS is providing structural engineering services for the redevelopment of the interior of the Flatiron Building to include 146,000 gsf of residential, 16,350 gsf of lobby and retail space, and 10,000 gsf of amenity space. The residential program consists of 39 units: 2 on each floor from the 2nd to 20th floors, and 1 penthouse on the 21st floor. The amenity program includes a pool, locker rooms, sport court, lounge/screening area, owner storage, and a fitness center. The ground floor retail program will be a white box space, including a mezzanine.

The structural scope of work includes the design of new framing and reinforcement of the existing framing. For the relocated core, this includes 3 new passenger elevators

with new elevator machine room, intermediate rail support, and new pits; 2 new egress stairways; infill of existing elevators and stairways; and analysis of the impact of the new core on the existing lateral load resisting system. For the apartments and amenity space, this includes MEP systems including risers, white box of retail space including the mezzanine, and amenity space with fitness center, pool, and sport court.

Amazon JFK24 – 410 Tenth Avenue, New York, NY
GMS provided structural engineering services for the full office fit-out of a company's workspace spanning approximately 335,408 square feet across floors 9 through 20 (excluding 13) within this Manhattan high-rise. The project included open work areas, conference rooms, pantries, meeting spaces, and support areas, as well as a dedicated Amenity Floor with specialized programming.

Our scope included the design and coordination of support framing for operable partitions, fire-rated shutters, and suspension systems for non-standard ceilings in the Bar and Open Collaboration zones. GMS reviewed public assembly loads, supported MEP and IT infrastructure—including equipment pads, IDF rooms, and a UPS room—and coordinated penetrations through existing framing for ductwork and piping. The project also involved terrace door supports, landscaped setbacks on multiple levels, and ramped access to occupiable terraces on multiple levels.

Stuyvesant Town & Peter Cooper Village – New York, NY
GMS has worked on numerous projects within the 110 – building, 80 acre site since the large scale renovation that occurred in 2000. That project included new lobby structures for all 21 PCV buildings, security pavilions, playground improvements, leasing office, and fountain repairs. Another notable project was the ground floor improvement of four buildings surrounding the Stuytown Oval that featured new glass facades for the property amenity spaces and a new concierge office. GMS has also been involved in several infrastructure projects including the construction of street vaults for a piping upgrade, support of new solar panel arrays on all buildings and the first phase CHP project on the east side of the property.

Downtown Community Television Center - New York, NY
GMS provided full structural consulting services for lowering portions of the existing ground floor framing and slab on grade to make room for the new entry lobby, raked auditorium seating and associated support spaces. The existing roof framing was modified and reinforced to accommodate a new hung acoustically isolated ceiling and support of multiple HVAC units. The project transformed the Landmarked structure with the insertion of a modern glass entry into the former stable entry and carriage-way on the White Street facade. GMS began working on the project in 2006 and it went through several iterations until it finally received adequate funding to proceed into construction in 2018. Doc House 1 was completed in September 2022.

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'.

Confidential Media and Tech Company – 550 Washington Street, New York, NY
GMS provided structural engineering services for the interior renovation of approximately 1.3 million sf of space spanning the cellar, ground, mezzanine, and 2nd to 12th floors. The space consists of open workspaces, offices, huddle/meeting rooms, micro-kitchens, reception areas, fitness center, storage, IDF rooms, medical/massage suites, central kitchen, theater, auditorium/event spaces, cafes, occupiable roof terraces, and workplace lounges.

301 First Avenue – New York, NY
GMS provided structural engineering and special inspection services for the redevelopment of this 146,000 sf, 24 story tower with two below-grade parking levels. The project included a feasibility study and structural engineering for a new elevator serving the 1st to 24th floors with new slab openings at each floor, new bulkhead and machine room at the roof, modification and re-support of the 1st floor to accommodate new elevator. GMS also provided the review of cores and various infills throughout the building, a new occupiable terrace and repair of the existing parking garage. The redevelopment converted an apartment building into student housing for The New School. The flat-plate concrete structure now includes 158 suites of 3, 4 or 6 beds each.

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.

460 West 34th Street – New York, NY
GMS provided structural engineering services for the redevelopment of this 638,000 sf loft building near Hudson Yards, NYC's hottest real estate neighborhood, to create high-end office space with exceptional tenant amenities. The project includes a new glass lobby box with industrial-style windows on the West 33rd Street side of the property, new elevators, a new roof deck and lounge and double-height storefronts.

KPPF Consulting Engineers **May 2016 to August 2016**
STRUCTURAL ENGINEERING INTERN

Analyzed loading scenarios on new and existing structural components. Assisted in designing the framing layout of suspended ceilings to meet architectural and

structural code requirements. Processed and compared data results from ETABS models for a complex structural system.

PUBLICATIONS Ragalwar, K., Prieto, V., Fakhri, H., Heard, W.F., Williams, B.A., and Ranade, R. (2016). "Development of Environmentally Sustainable Ultra High Performance Concrete." In Proc. of HiPerMat-2016 Conference, 9-11 March, 2016, Kassel, Germany.

PRESENTATIONS From Paper to Practice: Why We Must Think Like Builders, V. Prieto, ASCE/SEI Structures Congress, Phoenix, AZ, April 9-11, 2025