EDUCATION

CASE WESTERN RESERVE UNIVERSITY Cleveland, Ohio
Bachelor of Science in Civil Engineering May 1974

LICENSES

Registered Professional Engineer in New York, New Jersey, Connecticut, Pennsylvania, Ohio, Maryland, Virginia, Massachusetts, Minnesota, Michigan, Vermont, and the District of Columbia.

PROFESSIONAL ASSOCIATIONS

Member, American Concrete Institute (ACI)
Member, American Institute of Steel Construction (AISC)
Member, American Society of Civil Engineers (ASCE)
Member, Structural Engineering Association of New York (SEAoNY)
Member, Council on Tall Buildings and Urban Habitat (CTBUH)

EXPERIENCE

GILSANZ MURRAY STEFICEK January 1991 to Present
PARTNER

Guild Hall, 158 Main Street – East Hampton, NY
GMS provided structural engineering services for the renovation of historic Guild Hall – one of the United States' first multidisciplinary cultural institutions, opened in 1931. Our services included modernization of both the John Drew Theater and the Museum. The theater is improved by reinforcing the balcony to remove four columns, reconfiguring the seating, and the pitch of the floor, thereby improving the sightlines from each seat and expanding the proscenium to create more space backstage. The museum is improved by the installation of new mechanical systems, reclaiming the original skylights and realigning the entry and creating a new areaway to create a dedicated art-handling facility.

Bryant University Field House – Smithfield, RI
Field House: GMS provided structural engineering services for the construction of a new three-story structure to house at ground, football locker rooms, concessions, ticketing, and ancillary spaces; at second level, Alumni Club Meeting room and catering with deck and green roofs and new 1000-seat grandstand; and at third level, the Press Box with another deck all totaling approximately 33,400 gsf. The new building will be located west of and adjacent to the existing football field. Anticipated construction cost is $26M.

Yale Peabody Museum – New Haven, CT
GMS is providing structural engineering services for the expansion and renovation of Yale Peabody Museum. The project will include a four-story 65,000 sf infill addition to the existing museum consisting of a gateway terrace, galleries, study spaces, three-story atrium, glass tower, and a new 4,400 sf loading pavilion with a planted green roof, as well as extensive modifications to the existing historic structure built in 1925. In addition, GMS will work on smaller renovations to portions of the Kline Geology Building and the Environmental Science Center and will be replacing a pedestrian bridge linking the museum to the Kline Geology Building.

Tangram Two Fulton Square – Flushing, NY
This 1,403,500-sf 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.

Greenwich Country Day School – Greenwich, CT
GMS provided structural engineering services for this expansion at Greenwich Country Day School's Upper School. To the south, a new academic building, made up of two sections, was constructed. One section contains classrooms, while the other contains music rehearsal spaces, fitness rooms, and mechanical systems. To the west of the academic building, a tall retaining wall, and exterior stair tower with reinforced concrete walls was constructed to allow more access to the school's athletic field. To the north, a kitchen/servery building was constructed immediately adjacent to the existing building. North of that, an Art quad was designed, consisting of several buildings with CLT and a connected covered walkway. A new performing arts center was designed for the southern end of the campus.

Fairfield University Convocation Center – Fairfield, CT
This new 85,000 sf facility includes a 3,500 seat multi-use space for basketball, volleyball or university events and concerts. The seating can be reconfigured to allow two practice courts or infilled to create an event or dining space. The venue includes a state-of-the-art broadcast and media center, as well as spaces devoted to the student athletes. The steel trusses span almost 200 feet in one direction and almost 150 feet in the other. The Center opened in November 2022 and had a total project cost of $51M.

Palace Theater – 1564 Broadway, New York, NY
GMS is providing structural engineering services to serve as an independent structural consultant to the theater for the review of documents related to the building development project which includes the lifting, restoration, and renovation of the theater. The Palace Theatre rebuilding project reopened in 2023 and become the newest and largest Broadway theatre in New York City.

Woodlawn Cemetery – Bronx, New York
GMS is providing the structural design for a new multi-purpose facility to be built near to the Woolworth Chapel. The new building will provide multi-denominational worship areas, dedicated ceremonial spaces, family gathering spaces, catering, back of house and crematorium facilities and also providing Historic Condition Assessment of the Woolworth Chapel.

Woolworth Building – 233 Broadway, New York, NY
Conversion of the upper portion (30^{th} – 60^{th} floors) of the existing landmark structure to residential apartments. Also, refurbished the lower levels for restaurants, health club, retail and educational space, as well as renovations of the intermediate levels for office tenants. Acted as Building Engineer since 1999.

42^{nd} Street Redevelopment – New York, NY
Structural engineering peer review services acting as an independent consultant to the NYC

Economic Development Corporation for their redevelopment work at several historic Broadway theaters.

The Women's Building – 550 West 20th Street, New York, NY
Structural engineering peer review services overseeing the NYS Empire Development Corporation's redevelopment of the former Bayview Women's Correctional and Work-Release Facility into the Women's Building. The eight-story, west section of the building (the "Main Building") will be adaptively reused and the six-story, east section of the building (the "Laundry Facility") will be demolished and replaced with a new, approximately 16-story, 65,000 gsf building. The project will result in approximately 130,175 gsf of space.

150 Charles Street – New York, NY
This new residential building between Charles Street and West 10th Street just off the West Side encompasses an acre lot, with approximately 300,000 sf of residential space, plus open space and green roofs distributed throughout the complex – green space covers half the project area. The building aims for LEED gold certification.

Science Center, Southern Connecticut State University – New Haven, CT
New Academic and Laboratory Science Building hosts teaching and research labs for physics, earth science, environmental science, molecular biology and chemistry, with a supercomputing lab for research in theoretical physics, bioinformatics and computer science within four-stories and 103,608 sf. The building was entirely designed and documented in BIM using Revit and the project is targeting LEED Silver certification. Budget $49M. It opened for classes in the Fall 2015.

One Fulton Square – Flushing, NY
This new $125 million, 332,000 sf development at Prince Street and Roosevelt Avenue in Flushing, New York includes 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.

New York Aquarium – Coney Island, NY
GMS provided post-storm assessments of all the buildings, utilities and other facilities in the 14 acre park, which were flooded or partially flooded by the storm surge of Hurricane Sandy. Our report included scenarios to restore to the pre-storm conditions, restore to meet current code requirements and to restore and mitigate by providing strategies which would enhance resiliency.

Bliss Barn - Warren, CT
GMS provided the structural engineering for the foundations, loft level and roof at this new timber barn which is partially recessed into a hill.

Carl Hansen Student Center – Quinnipiac University Hamden, CT
This latest renovation and expansion of the main campus student center will add 25,000 sf for improved amenities and student services and will integrate updated mechanical

and structural systems throughout the center.

Telx Data Center – Clifton, NJ
A 25,000 sf data center and support space within an existing seven-story former laboratory/office building. The project consisted of renovating several floors of the existing steel framed structure. The overall project consisted of 18,000 sf of computer room raised floor area, MEP support space for UPS, batteries, switchboards, transformers, support office space, rooftop cooling towers, and generator yard.

Quinnipiac University Field House – Hamden, CT
Schematic studies for a new 240 foot by 400 foot field house including some schemes with roof-supported fields.

Smart Grid Project, Brooklyn Army Terminal – Brooklyn, NY
GMS provided structural engineering as part of a design/build team for the NYC Economic Development Corporation to provide a Photovoltaic Renewable Energy System at the Brooklyn Army Terminal including approximately 50,000 sf of photovoltaic panels.

Bristor Priest Residence – Amagansett, NY
Renovation to the kitchen/pantry area, living room porch, and screen porch along with a new two-story garage with artist studio, basement, and balcony surrounding the second floor, as well as a new one-story pool house.

HOK Office Renovation – 1065 Avenue of the Americas, New York, NY
GMS provided structural engineering for the interior fit-out.

Empire State Building – New York, NY
GMS analyzed the full building to assess structural capacity to add antennae and broadcast capability to the existing spire, mast and building structure and provided details for reinforcement. We also performed a seismic assessment study and a comprehensive investigation of the façade of this landmark building and prepared documents for the extensive repairs of the limestone portions of the façade.

Sackett Union 340 Court Street – Brooklyn, NY
The overall concept for this 140,000-sf mixed-use development came from the 19th century developed blocks that existed throughout New York City and its boroughs. The project includes duplexes and split-level condominiums and three townhouse configurations, including portions that can be rented out by the owner as well as a commercial and community facility.

Peabody Museum Master Planning Study, Yale University – New Haven, CT.
GMS provided structural engineering services for the development of a comprehensive Master Plan for Yale University's Peabody Museum of Natural History as well as schematic design services for a new Fossil Hall project. The Master Plan included programmatic review, planning, and a feasibility study for the Peabody Museum site, including a new infill addition.

1 Abingdon Square – New York, NY
Provided structural engineering services for new residences at 1 Abingdon Square aka 607 Hudson Street. The project consists of major demolition and renovations to convert an existing seven-story nursing home into luxury residences. Exterior wall bracing was provided to maintain the façade while new floors were constructed.

Private Residence – East Hampton, NY
Provided structural engineering services for new, multi-wing residence utilizing both wood and steel structural framing systems. GMS performed vibration analysis and design for the twenty five foot plus cantilevered balcony as well as the exposed steel stairs.

Quinnipiac University – York Hill Campus, Hamden, CT
The new complex at Quinnipiac University York Hill Campus includes a 1,800 bed crescent-shaped dormitory, 26 smaller stand-alone dormitories totaling 636 beds, five-story free-standing parking garage for approximately 2000 cars, and an 85,000 sf Student Center with the campus' central mechanical plant in the basement, campus dining areas and student activity spaces.

Rocky Top Student Center at the York Hill Campus, Quinnipiac University – Hamden, CT
Structural engineering, connection design and special inspections for the new, 85,000 sf heavy timber Student Center, with the campus' central mechanical plant in the basement, campus dining areas and student activity spaces.

Sullivan Museum and History Center at Norwich University – Norwich, VT
The new museum is a 16,959 sf addition with designated areas for permanent and rotating displays, visible storage, exhibit preparation, collection conservation, reference and study.

YMCA Patchogue – Patchogue, NY
Design of a new 54,300 sf, two-story building YMCA building. The work includes services for the superstructure, miscellaneous structural elements, lintels and wall reinforcing of the two-story building.

TD Bank Sports Arena, Quinnipiac University – Hamden, CT
The new 141,000 sf twin arena houses a 3,286 seat rink for ice hockey, a 3,570 seat arena for basketball, fitness room, locker rooms, and other support facilities. One of just four twin arenas in the Northeast, the sports center is one-story tall with lower levels built into the hill. Each arena has unobstructed sight lines from all seats thanks to three dimensional roof trusses with 164 foot clear spans.

Music Arts Center and Walker Auditorium at Hotchkiss School – Lakeville, CT
The new Music Arts Center and Walker Auditorium renovation provide modern practice rooms, ensemble rooms, classrooms, and faculty offices. The Center's "Pavilion" houses a 715-seat concert hall with state-of-the-art acoustics for performances and rehearsals. The design consolidates theater arts, dance arts, fine arts, and music arts on campus, and was constructed of recycled, sustainable materials and is LEED certified.

WEPN Transmitter Building – Secaucus, NJ
Provide structural design services for the slab on pile foundation of a new 1,000 sf pre-cast transmitter building located in the meadowlands area of Secaucus. The design also includes pile supported pads for the transformer and satellite antenna.

Park East Synagogue – Cleveland Heights, OH
New construction of a 61,000 sf Synagogue which includes a religious school, preschool, day camp, library, offices, and a 250 seat sanctuary.

School of Public Health, University of Michigan – Ann Arbor, MI
New 125,000 sf, eight-story tower housing University of Michigan modular laboratories and 70,000 sf total renovation of existing structure. Challenges include column transfers which span an existing roadway and tight proximity to two existing buildings.

Maimonides Medical Center – Brooklyn, NY
New nine-story addition, including operating rooms, labor, delivery and recovery rooms, mechanical spaces as well as renovation of Pharmacy, Cardiac Catheterization and a bridge across the street to the parking garage.

Elmhurst Hospital Emergency Department – Elmhurst, NY
A new two-story, 20,000 sf Emergency Department expansion with basement.

Federal Reserve Bank – New York, NY and Newark, NJ
Structural design for the installation of UPS and high density files.

Pfizer World HQ Generator Project – New York, NY
Structural design for the installation of 1500 & 2000 KW emergency generators on the roofs of buildings 219 East 42nd Street, 235 East 42nd Street, and 685 Third Avenue forming part of the Pfizer World HQ Campus.

Pfizer – Brooklyn, NY
Addition of seven cooling towers and a 7,500-ton chiller plant over the roof of the ConEd Vault and an existing Pfizer building.

Pfizer – 685 Third Avenue, New York, NY
Addition of a new 2,000 kw generator, new water tank and three new cooling towers to the roof of the building and design of new exterior tower for electrical conduit supports from ground to the 27th floor.

St. Anthony's High School – South Huntington, NY
Structural design for both existing and new structures. New structures include a two-story, 120,000 sf field house with adjacent corridor, pool house, chapel and performing arts center. Renovations were made to the laboratories, the existing auditorium and the existing facilities.

French Culinary Institute – 462 Broadway, New York, NY
Structural analysis and design for the addition of dunnage for a cooling tower and a

mechanical penthouse to the roof of the building, approximately 600 sf of suspended mezzanines to be used for storage, a new 6' x 8' shaft opening, the support of existing 6" thick shaft walls at the fourth floor to allow for removal of the walls at the third floor and below, support for a folding partition and a glass wall system at the library, and various support systems and reinforcements for mechanical equipment.

AIG Generator Study – 70 Pine Street, New York, NY
Assistance to the Client in determining the feasibility of various locations for generators for AIG. Reviewed proposed locations and provided preliminary information for pricing structural modifications for each scheme.

10 East 93rd Street – New York, NY
Analysis and design of a new stairway configuration, fourth floor extension, installation of a new elevator and removal of the existing one. Analyzed and designed new structure required for the bulkhead addition and relocation of the A/C roof equipment.

Fairfield Towers, Due Diligence Examination – Brooklyn, NY
Due diligence examination of the Fairfield Towers complex of 11 high-rise buildings and 8 two-story townhouses to assess the condition of the building structural components.

111 Wall Street, Mechanical Plant Upgrades – New York, NY
Upgrade of the existing refrigeration plant and cooling towers. The building contains two chiller plants; one 1800 ton plant on the 25th floor for critical load cooling, and one 3,200 ton plant on the 13th floor for comfort cooling.

2056 Fifth Avenue – New York, NY
Conversion of the existing building 19 residential units with one floor of professional space, totaling approximately 32,233 sf. A new cornice will be added to the exterior and a two-story addition to the roof will be included.

401 West 14th Street – New York, NY
Structural design of a new one-story, 6,500 sf penthouse, new slab openings for the new core for the stairs and elevators in the existing building, resupport of the existing billboard to remain due to the new penthouse interaction. The building is located within the Gansevoort Market Historic District and falls under the review of the NYC Landmarks Preservation Commission.

429 East 75th Street – New York, NY
Structural design of a new three-story 10,300 sf addition on top of the existing three-story building. This included the structural review of the existing roof to make it an occupiable floor (i.e. load capacity review, elimination of sloping slab) and design of a new lateral system for the building to meet current code. Structural design of new slab openings for the new core for the stairs and elevators in the existing building.

Cipriani Club – 55 Wall Street, New York, NY
5th floor addition of approximately 700 sf mezzanine between the 2nd and 3rd floor space of the restaurant, two new stair openings through the 3rd floor, design of a new, curved

monumental stair between the 2nd and 3rd floors; new entrance canopy and pickup structure to remove an existing column in the screening room at the lower level club rooms, structural framing for a new wheel chair lift and vestibule at the 1st floor lobby; and provided information on raised platform and screen support in screening room for incorporation in architectural documents.

Merrill Lynch HVAC/Chiller Plant Upgrade – Levittown, PA
Provide structural design services for a new chiller platform to support a new 40,000 pound chiller plant, pipe and conduit supports and foundations for additional pumps and HVAC equipment. Review an existing interstitial steel grid to support additional chiller pipes and provide additional reinforcement.

Merrill Lynch 2N Plant UPS Room – Levittown, PA
Provide structural design services for a new interstitial steel grid to support new electrical conduits from UPS and electrical equipment. Provide stability details for the existing structural walls and columns during excavation work for the electrical conduits in the new UPS Room. The new room is approximately 5,600 sf.

Village of Freeport Power Plant – Freeport, NY
Structural engineering design for the installation of one gas turbine generator and associated equipment for the village of Freeport 48 MW Power Plant.

ConEd Vault – Brooklyn, NY
Structural design of a six-cell ConEd electric vault, network protector and switch gear room contained in a free standing structure.

Brooklyn Supreme and Family Courthouse – 330 Jay Street, Brooklyn, NY
Design of a 1.1 million sf, 32-story, mixed-use court and office building. Steel structure designed for seismic, progressive collapse, and blast loads.

GSA IDIQ Contract – Northeast Region and the Caribbean
During our IDIQ contracts with the GSA, GMS performed structural engineering services for various projects, including seismic evaluation, blast analysis, protective design of window systems, structural investigations and progressive collapse analysis.

10 Hanover Square – New York, NY
Conversion of a 21-story, 522,000 sf commercial building, five blocks away from the New York Stock Exchange, into rental apartments and new roof penthouses. New hydraulic elevator from the 21st floor up to the roof terraces, floor openings and pit pickup structure, new commercial space on the ground floor and stair to the health club at the lower level.

55 Wall Street – New York, NY
Conversion of a nine-story, 289,000 sf landmark building from a hotel into condominium apartments above the 5th floor, with roof penthouses. New floor opening at the 4th floor and new monumental stair between 3rd and 4th floor. New health club at the 4th floor. New entrance structure at the main level. New hydraulic elevator from 9th floor to the

roof terraces, floor openings and pit pickup structures.

Pier 57 – New York, NY
Phase I of this project includes a conditions survey of the structure, documenting areas in need of structural repairs. Phase II includes the redevelopment of the site to become a retail, event, multi-purpose recreational facility.

Clinton Parkview – 555 West 52nd Street, New York, NY
This newly constructed building, is the first entirely income restricted development to be built in Clinton since 1981, including 96 one and two-bedroom apartments in the finished 11-story 110,377 gsf building. The construction cost of the project is $16,000,000 and was completed in 2004.

124 Hudson Street – New York, NY
New, nine-story, 92,000 sf residential building. Lower floors: reinforced concrete; 3rd through 9th floors: Precast plank on reinforced masonry; and the roof: Metal deck slab on structural steel.

Encore West Residential – New York, NY
A new 84-apartment senior housing project on Tenth Avenue in New York City including 83 one-bedroom units and 1 two-bedroom unit, approximately 61,000 sf. The 1st floor will have an entry lobby facing Tenth Avenue, one two-bedroom unit for the building manager, a recreation room and garden for the tenants. There will also be two elevators and two exit stairs and a partial basement with a laundry room, mechanical room, meter rooms and storage. The construction cost of the project is $12,000,000.

Traveler's Umbrella – New York, NY
The Traveler's Group created their three dimensional logo (a red umbrella) 16 feet high and 18 feet in diameter, in front of their headquarters in Tribeca. Challenges included anchoring the base plate to the small area of the umbrella's handle and determining the performance of this oddly shaped structure under wind and snow loads.

Brunswick School – Greenwich, CT
70,000 sf academic building including classrooms, offices and labs. 65,500 sf athletic building including ice hockey rink, basketball court and other recreation facilities.

Deerfield Academy Natatorium Building – Deerfield, MA
20,000 sf pool and related facilities, 100 ft long span roof over pool.

St. Joseph's Home for the Blind – Jersey City, NJ
Renovation and construction of two new wings at existing Nursing Home.

Stepping Stones Museum for Children – Norwalk, CT
18,600 sf multi-use educational facility including exhibit areas, water-nature interactive room and a theater.

Quinnipiac College – Hamden, CT
New library rotunda - glass cantilevered stair and new top of clock tower.

Tiffany Customer Service Center – Parsippany, NJ
A one and two-story, 250,000 sf office and distribution center.

40 Foley Square – New York, NY
Renovation and electrical upgrade of existing courthouse.

350 Madison Avenue – New York, NY
100,000 sf expansion and renovation of existing 24-story building.

230 Park Avenue – New York, NY
New cooling towers, chiller plant and generator.

11 MetroTech Center – Brooklyn, NY
A six-story, 300,000 sf office building over one below grade parking level.
390 Greenwich Street – New York, NY
Renovation of a 750,000 sf building for Smith Barney to house trading floors.

9 MetroTech Center – Brooklyn, NY
An eight-story, 450,000 sf office building over two below grade parking levels for FDNY.

Connecticut Place – Stamford, CT
Design for 22-story, 527,000 sf office tower and a seven level, 494,000 sf parking structure. Project was not built.

Ziff Davis – 63 Madison Avenue, New York, NY
Interior renovation of 15-story, 350,000 sf office building and lobby.

53 North Moore – New York, NY
Renovation of four, six to eight-story contiguous commercial buildings into residential use with elevator and stair cores.

Cravath, Swaine & Moore – 825 Eighth Avenue, New York, NY
Litigation center, renovation of 25,000 sf law office, libraries, files, stair infill.

IRS Customer Service Center – Holtsville, NY
The renovation and alteration of 357,000 sf of existing facilities.

Roberts and Holland – 825 Eighth Avenue, New York, NY
Interior renovation of 25,000 sf law office, libraries, moveable files, interior stair.

Cowan, Liebowitz & Latman – 1133 Sixth Avenue, New York, NY
Interior renovation of 35,000 sf law office, libraries, moveable files, interior stair.

Liz Claiborne – 650 Fifth Avenue, New York, NY
Renovation of cellar, 1st and 2nd floor retail space. Added elevator, floor area, and new curtain wall.

Upper Manhattan Dialysis Center – New York, NY
10,000 sf renovation for use as a dialysis treatment center.

Lenox Hill Neighborhood Association – New York, NY
Evaluation of and preparation of restoration documents for concrete pool deck and building facade.

Southways – Minneapolis, MN
The $7,000,000 renovation and restoration of this historic residence.

Temple Israel – New York, NY
Restoration of the limestone and brick facades and installation of improved expansion joints, additional drains and new roofing.

150 Joralemon Street – Brooklyn, NY
Restoration of deteriorating terra cotta facade on a landmarked building.

St. Raymond's School – Bronx, NY
Conversion of existing auditorium to add classrooms, required the addition of a partial 2nd floor.

SKIDMORE OWINGS & MERRILL February 1981 to December 1990
SENIOR PROJECT ENGINEER/ASSOCIATE

Senior level design engineer responsible for the production of structural design documents for major building projects.

Worldwide Plaza, New York, NY
255 Fifth Street, Cincinnati, OH
St. Luke's Hospital, 1111 Amsterdam Avenue, New York, NY
Roosevelt Hospital, 1000 Tenth Avenue, New York, NY
NY Presbyterian Milstein Building, New York, NY
461 Fifth Avenue, New York, NY
Shearson Lehman/American Express, New York, NY

JAMES MADISON CUTTS CONSULTING ENGINEERS July 1979 to February 1981
DESIGN ENGINEER

Intermediate level design engineer working in all phases of structural design of reinforced concrete and structural steel commercial and institutional buildings.

Folger Shakespeare Library Reading Room Addition, Washington, D.C.
First American Bank, N.A. 15th & H Street, N.W. Washington, D.C.
National Gallery of Art, Main Building, Washington, D.C.
Corcoran Gallery of Art, Washington, D.C.
Old Post Office, Washington, D.C.
Holton Arms School Library, Potomac, MD

M.K. FERGUSON COMPANY, INC. June 1974 to July 1979
ASSOCIATE STRUCTURAL ENGINEER & RESIDENT STRUCTURAL ENGINEER

Entry level design engineer designing structural steel and reinforced concrete industrial buildings and design engineer stationed at job site.

Anheuser-Busch Brewery, Williamsburg, VA - Brewery expansion.
Anheuser-Busch Brewery, Fairfield, CA
Lima Army Modification Plant, Lima, OH - M-1 Tank Plant.
Chlorine Production Plant, Poland

POSITIONS IN UNIVERSITIES

PRATT INSTITUTE New York, NY
Professor of Structures in Architecture Department September 1996 to May 1998