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<b><u>EDUCATION</u></b>	<b>POLYTECHNIC UNIVERSITY</b> Master of Science in Civil Engineering	Brooklyn, New York June 1987
	<b>DREXEL UNIVERSITY</b> Bachelor of Science in Civil Engineering	Philadelphia, Pennsylvania June 1983
<b><u>LICENSES</u></b>	Registered Professional Engineer in the States of New York, New Jersey, Pennsylvania, Connecticut and Illinois	
<b><u>PROFESSIONAL ASSOCIATIONS</u></b>	Member, Structural Engineers Association of New York (SEAoNY) Member, Allied Professionals of New Jersey AIA, Newark and Suburban Chapter Member, Architects League of Northern New Jersey, Member, Structural Engineering Institute (SEI) Member, American Concrete Institute (ACI) Member, American Society of Civil Engineers (ASCE) Member, The New Jersey Chapter of the National Association of Industrial & Office Properties (NJNAIOP) Member, Newark Regional Business Partnership (NRBP)	
<b><u>EXPERIENCE</u></b>	<b>GILSANZ MURRAY STEFICEK</b> <b>PARTNER</b>	<b>March 2002 to Present</b>
	<b>130 Bay Street, Jersey City, NJ</b> The project involves the redevelopment and conversion of three inter-connected existing industrial buildings into a mixed-use commercial facility, located in the powerhouse arts district in Jersey City. The existing buildings contain approximately 100,000 sf of interior space. The proposed building modifications include adding approximately 25,000 sf by constructing additional floors over portions of the existing roofs.	
	<b>Firmenich, Plainsboro, NJ</b> GMS provided structural engineering services for the replacement of all existing roof top units and design of new dunnage support steel for the new units. Services also included the modification of the existing roof screen height, installation of new mechanical equipment on the 4 <sup>th</sup> floor, and removal/replacement of the entrance vestibule.	
	<b>Asian American for Equality, Flushing, NY</b> The project consists of a new, 94,250 GSF 8-story mixed use commercial building and will include 100 parking spaces on two below-grade levels, 8,000 SF of retail space at grade, 18,743 SF of community space and 37,489 SF of Class A office space on the upper floors.	
	<b>Jaguar Land Rover North American Headquarters, Mahwah, NJ</b> GMS provided structural engineering services to renovate this 180,000 square foot office building as the new North American headquarters for Jaguar Land Rover. The project also expanded the building horizontally to create a 35,000 square foot technical training and workshop building, featuring specialty automotive equipment.	

The project also included a new glass curtain wall system at the existing building atrium, and a glass-clad interior automotive showroom space.

**Quest Diagnostics Headquarters, Secaucus, NJ**

GMS provided structural engineering for the gut-renovation of 120,000 gross square feet of medical offices across the 8<sup>th</sup> through 11<sup>th</sup> floors within this existing building. The project included a new monumental stair connecting the four floors and a 380 sf fritted glass skylight over the 11<sup>th</sup> floor landing. At the 10<sup>th</sup> floor setback, a 12,700 sf green roof is covered with 4 to 6 inches of growing medium to support vegetation.

The renovation also added a glass clerestory at the 10<sup>th</sup> floor set-back roof, replaced existing curtain wall at the 10<sup>th</sup> and 11<sup>th</sup> floors, removed and replaced an existing glass pavilion, added a 3,200 sf trellis for shade over the pavilion and approximately 1,000 sf of the existing roof was covered with pavers to create a terrace.

**Dress barn, Mahwah, NJ**

The project entails the complete renovation and expansion of the original 145,000 sf office building and the construction of a new 50,000 sf office building adjacent to the existing facility. The two structures are connected by an enclosed bridge. The new project features a new glass curtain wall system a glass atrium slicing through the existing building, a full –service café, a fitness center and a rooftop garden.

**Verizon, Basking Ridge, NJ**

Design and construction of approximately 1.4 million SF of space, including renovations to a seven-building main complex and several residential properties. The renovation program included a monumental stairway, high density file rooms, support of rooftop mechanical units, a full service cafeteria, and moveable partitions.

**White & Case, New York, NY**

Interior renovation and re-stack of a 52-story existing steel framed office building. Project included new slab openings for ductwork, reinforcement for high density files, full service kitchen and dining areas, UPS and data centers, and roof dunnage and monumental stairway.

**Credit Suisse, New York, NY**

Interior renovation and re-stack of a 29-story existing steel framed office building at 11 Madison Avenue. Project includes new escalators at lower levels, new slab openings for ductwork, reinforcement for high density files, full service kitchen and dining areas, UPS and data centers, and roof dunnage for new HVAC systems

**BASF 33 Wood Avenue, Iselin, NJ**

Renovation at interior of 1st, 2nd, 3rd, and 5th Floors. Services for the interior scope of work included the design of steel support framing for two folding partition walls, review of UPS and battery loading, and review of proposed slab trenching.

**Horizon BCBS of New Jersey**

Interior renovation and re-stack of 14 floors of an existing steel framed office building. Scope included moveable partitions, new HVAC systems, roof dunnage, and

high density files systems.

**GAF Parsippany, NJ**

Project involved the gut-renovation of a 400,000 GSF three-story office building for a single tenant. Structural scope included reinforcement for high-density file rooms, folding partitions, roof-top HVAC units, new chiller plant, new interior glass curtain-wall system, and ADA ramps.

**Harmon Plaza Parking Deck**

GMS was called on to provide structural engineering services in response to the sudden partial collapse of a steel frame parking deck. The collapse occurred under the weight of a snow plow which was removing snow from the top level. GMS performed a rapid condition assessment of the collapse area and met with local building officials to address public safety concerns, develop emergency shoring systems to stabilize the structure, and monitored controlled demolition operations. We later conducted a forensic investigation to determine the source of the failure, developed construction documents for the repairs, and provided construction phase services

**Liz Claiborne, North Bergen, NJ**

Evaluation and repair of four-level, steel framed, parking structure. Defects included damaged expansion joints, extensive rusting and corrosion of the interior stairways, metal deck, steel beams guard rails, due to prolonged water infiltration. Repairs included restoration of expansion joints removal and replacement of deck, reinforcement of corroded steel beams, concrete spall and crack repairs, installation of a traffic bearing membrane.

**Panasonic, Secaucus, NJ**

Evaluation and repair of a two-level, steel-frame parking structure defects included, extensive rusting and corrosion of the metal deck and steel beams due to prolonged water infiltration. Repairs included removal and replacement of deck, reinforcement of corroded steel beams, concrete spall and crack repairs.

**Troy Towers – Union, NJ**

Review existing structural conditions and create repair documents for an existing multilevel parking garage. The review includes an earth covered courtyard level, four framed levels of parking, and the structural steel supports below the parking levels.

**Sylvia Woods – 318 Lenox Avenue, New York, NY**

Structural engineering services for a new mixed-use development of approximately 20,000 gsf.

**Façade Investigation – Jersey City, NJ**

Our work includes comprehensive condition assessment of the exterior facades and a limited visual examination of façades over the full height of the building. We will also conduct computational analyses to verify the adequacy of the existing connections relative to wind loads derived from governing building codes and wind tunnel testing.

**Stevens Institute – McLean Hall, Hoboken, NJ**

Structural evaluation and structural design for upgraded mechanical equipment and chiller plant.

**Hinchliffe Stadium – Paterson, NJ**

Performed a structural condition assessment and provided restoration of the historic Hinchliffe Stadium in Paterson, NJ.

**A&P Store – Rockville Centre, NY**

Investigation of structural deficiencies in the former A&P store to evaluate the extent of the deficiencies and the proposed repair work.

**North Star Academy Charter School of Newark – Newark, NJ**

New 50,000 sf annex to the middle and high school buildings at the North Star Academy, provides expanded classroom areas as well as ground floor parking and a new play roof.

**4 Bedford Street – New York, NY**

Full renovation of a four-story masonry bearing wall townhouse containing approximately 2,800 gsf.

**1180 Raymond Blvd. – Newark, NJ**

A two-phase contract, GMS reviewed the facades, provided up close inspection and a report with recommendations on repair. The second component of the project was a conversion of the office building to a residential building.

**744 Broad Street – Newark, NJ**

Evaluation of the facade consisting of visual observations of accessible portions of the facades of each building. Observations were performed from ground level and adjacent roof tops. No exploratory probes, material sampling or testing were specified or conducted. We prepared a brief written report. The report documented the observed conditions and provided general recommendations for remedial measures and additional investigations.

**Society Hill Condominium – Newark, NJ**

Documentation of complex-wide construction defects in over 100 units and preparation of contract documents for repair.

**Delaware, Lackawanna & Western Railroad Historic Reviews – New Jersey**

Historic building condition assessments of twenty structures, including substations, vent structures, tunnels, freight houses, and interlocking towers along the existing New Jersey Transit rail lines.

**PS 34 – Jersey City, NJ**

This project for the New Jersey School Construction Administration involved the restoration and structural reinforcement of the brick masonry and terra cotta façade of an 80 year old, 3-story elementary school. The project entailed invasive probing of the existing walls to determine the severity and extent of corrosion of embedded steel lintels.

**New Jersey Central Rail Station – Broad Street, Newark, NJ**

The New Jersey Central Railroad Station was originally constructed in 1869 and renovated in 1916. The project involved an historic building condition assessment of the steel frame structure as well as the brick masonry and decorative terra cotta walls, exterior and interior.

**South Orange Maplewood School District – South Orange/Maplewood, NJ** The façades of fifteen (15) buildings within the South Orange Maplewood School District were evaluated by GMS. The purpose of the evaluations were to identify and record areas of deterioration and/or distress, develop construction documents for remedial measures, and provided limited field observations during construction. The work provided by GMS for each building was broken into phases: Assessment; Drawing Investigation; Contract Documents; and Construction Services.

**Renaissance Mall Assessment and Demolition – Newark, NJ**

Performed a structural condition assessment of the train station and mall to evaluate the current condition of the structure and determine the scope of work that would be required to stabilize and restore it for adaptive re-use. Also provided structural engineering services to stabilize and provide support for the masonry façade throughout the demolition operations of the Renaissance Mall to make way for a new sports arena and enable it to be connected to the new construction.

**McGraw-Hill Hightstown Data Center – East Windsor, NJ**

Structural engineering services for a 150,000 sf data center, transformer yard and entrance canopy within an existing 300,000 sf warehouse building. The overall program consists of 55,000 sf of computer room raised floor area, MEP support space for UPS, generators, chillers, etc., and approximately 20,000 sf of office space.

**Novartis Building 431 – East Hanover, NJ**

Structural design services for the core and shell of a new 135,000 sq. ft. 5-story, high performance office building with a 700-car parking garage.

**Society Hill Condominium – Newark, NJ**

Documentation of complex-wide construction defects in over 100 units and preparation of contract documents for repair.

**Valley Brook Golf Club – 15 Rivervale Rd, Rivervale, NJ**

Structural reinforcement of the existing wood frame roof structures above the clubhouse and cart shed.

**County of Somerset, Joint Public Works Facility – Somerset County, NJ**

Provided design and detailing of foundations and ground floor slabs for Bound Brook, Bridgewater and Somerset County Maintenance Buildings and associated open structures.

**Commerce Bank – Various Locations**

Various renovations/expansion/new construction for Commerce Bank throughout NJ and NY.

**Citibank, N.A. – Various Locations, USA**

Renovations and upgrades of over 100 branch banks throughout CT, NY, NJ, MA, and PA.

**Brookdale Community College – New Jersey**

Renovation of an existing two-story concrete framed building

**Brook Theater – Bound Brook, NJ**

Renovation of a historic vaudeville theater after the damage done by Hurricane Floyd in 1999.

**Bellville Public School # 4, 5 & 9 – Bellville, NJ**

Façade evaluation and remediation.

**Bellville Public School # 10 – Bellville, NJ**

Design of support for mechanical equipment.

**Maplewood Middle School – Maplewood, NJ**

Structural evaluation of plaster ceilings.

**South Orange Middle School – South Orange, NJ**

Retrofit of gymnasium for athletic equipment.

**Princeton University Tennis Center – Princeton, NJ**

Relocation of tennis courts, field house and related facilities.

**Our Lady of Fatima – Newark, NJ**

18,000 square foot steel framed expansion of parish center.

**Highlands Firehouse – Highlands, NJ**

8,200 square foot volunteer firehouse with banquet hall.

**Park Synagogue – Cleveland, OH**

63,000 square foot synagogue and school.

**Church of Scientology – 277 West 46<sup>th</sup> Street, New York, NY**

Renovation to the existing church including a new 2 story addition.

**HLW INTERNATIONAL, LLP**

New York, NY

January 1997  
to March 2002

PARTNER AND DIRECTOR OF STRUCTURAL ENGINEERING

PROJECTS

**General Electrical Company – Ossining, NY**

25,000 sf new education building and renovation to 144 residential units, Croton Campus.

**CNBC – Englewood Cliffs, NJ**

300,000 sf broadcast building on a 20-acre site.

**Morris Corporate Center IV – Parsippany, NJ**

700,000 sf office complex.

**Ingersoll Rand – Clinton Township, NJ**

106,000 sf building.

**Saudi Basic Industries Corporation (SABIC) – Riyadh, Kingdom of Saudi Arabia**

85,000 sf, 3-story plus basement analytic chemistry R&D Lab with support offices and central support auditorium/training halls.

**ESPN – Bristol, CT**

130,000 sf digital broadcast center, including three studios and technical support spaces.

**Disney ABC Studios – New York, NY**

46,750 sf new multi-level television studio in Times Square Studio.

**Atlantic Bank – New York, NY**

100,000 sf interior fit-out/infrastructure upgrade of existing 23-story building.

**General Electric – Newburgh, NY**

100,000 sf Corporate Air Transport Facility for two BBJ-737 aircraft and existing fleet in 65,000 sf hangar with 35,000 sf over three floors for administrative, operations and maintenance support, Stewart International Airport.

**McGraw-Hill Companies – New York, NY**

Various structural condition assessments for 55 Water Street, 1221 Avenue of the Americas, and 2 Penn Plaza.

**SUNY – Old Westbury, NY**

Old Westbury Campus Residence buildings.

**Schering-Plough Corporation – Kenilworth, NJ**

G Block, 140,000 sf addition to the Drug Discovery Facility (DDF), vivarium expansion.

**Schering-Plough Corporation – Kenilworth, NJ**

253,000 sf, new corporate offices, complex multi-purpose building includes office headquarters and cafeteria, fast track.

**LAW ENGINEERING AND ENVIRONMENTAL SERVICES, P.C.**

New York, NY

FACILITIES ENGINEERING DEPARTMENT MANAGER

April 1995  
to January 1997

**LEV ZETLIN ASSOCIATES, INC/**

**THORNTON-TOMASETTI ENGINEERS, P.C.**

New York, NY

November 1991  
to April 1995



PROJECT DIRECTOR, BUILDING INVESTIGATION GROUP

**FRANK TAFFEL ASSOCIATES**

New York, NY

PROJECT ENGINEER

1990  
to 1991

**PAGNOTTA ENGINEERING ASSOCIATES**

New York, NY

PRESIDENT

1989  
to 1990

**EUROTECH DESIGNS, INC.**

Fairview, NJ

PROJECT ENGINEER

1987  
to 1989

**SKIDMORE OWINGS AND MERRILL (SOM)**

New York, NY

PROJECT ENGINEER

1983  
to 1987

**PRESENTATIONS**, ASCE 11-99, Guideline for Structural Condition Assessment of Existing Buildings

**PUBLICATIONS** ASCE, 1999.

**AND PAPERS**