

<u>EDUCATION</u>	PRINCETON UNIVERSITY M.S. in Civil Engineering	Princeton, NJ May 2004
	COLLEGE OF THE HOLY CROSS B.A. in Physics	Worcester, MA May 2002
<u>LICENSES</u>	Registered Professional Civil Engineer in California.	
<u>PROFESSIONAL ASSOCIATIONS</u>	Mentor, ACE Mentoring Member, New York Building Congress Healthcare Committee	
<u>EXPERIENCE</u>	GILSANZ MURRAY STEFICEK ASSOCIATE	November 2004 to Present
	Memorial Sloan Kettering Cancer Center Gamma Knife – New York, NY GMS is providing structural engineering services to reinforce the existing structure to support the installation of gamma knife radiosurgery equipment.	
	American Express – New York, NY GMS is providing structural engineering services for the fit-out of the 51 st floor office.	
	Tom Ford, 680 Madison Avenue – New York, NY GMS is providing structural engineering services for the renovation of this retail space on upper Madison Avenue in NYC. The work includes creating a new double-height space at the entry, design of supports for equipment and a new safe as well as design for a new floating stair.	
	12 West 48th Street – New York, NY GMS is providing structural engineering services for this new 24,000 sf, 4 to 5 story building plus cellar retail building with three solid walls and a detailed curtainwall at storefront.	
	Staten Island University Hospital Central Utility Plant - Staten Island, NY GMS is working with NSLIJ to design a new 12,000 sf Central Utility Plant building with new chillers, boilers, pumps, switchgear, cooling towers and generators. The new building will be built on piles.	
	Lenox Hill Hospital – New York, NY Since the mid 1990's, GMS has provided structural engineering services to Lenox Hill Hospital for a wide range of projects to improve both their main Upper East Side campus and at their extension clinic - MEETH (Manhattan Eye, Ear & Throat Hospital). Structural designs have been performed for general building construction, infrastructure upgrades and the support of new medical equipment, as well as various structural feasibility studies.	
	Lenox Hill Hospital – Roof Mounted 1500kw Emergency Generator This project involves the design of supports and dunnage for a new generator on the	

roof of Main/Uriis. Several existing columns in Main will be reinforced to accommodate the generator load. GMS also designed the supports for the fuel oil line rated encasement in Wolman and supports for the new bus ducts to the new MERs from 3rd to 12th floors and conduit supports from the generator level to 13th floor in Lachman.

Hotel - 1201 K Street NW, Washington, D.C.

GMS is a member of the redevelopment team working with this Hotel Company to establish their first property in the US. This hotel is composed of a nine story tower constructed in 1962 with a covered roof top pool with integrated below-grade parking garage and a five story building constructed in 1942.

Lenox Hill Hospital – New 208V Electric Service

Also known as the 5th take off, this project involves the installation of a new BV-9 Con Edison Bus Vault along 77th Street. The project involves interaction with the MTA, the DOT, and with Con Edison as well as the design of the vault, MERs and equipment supports. GMS will also perform the Structural Special Inspections for the work.

Lenox Hill Hospital – IT Closets

The project involves the conversion of an existing elevator shaft at Main into an IT closet. This included infill of the shaft at all floors and design of supports for equipment and conduits/ductworks. The scope included the design of supports for new MERs. The project also involved the design of new roof dunnage for new chillers and AHUs. GMS is also performing the Special Inspections.

Lenox Hill Hospital – CATH Lab Upgrade 11F Wolman

Involves the design of ceiling and base supports for Phillips Cath Lab equipment, UPS and MEP equipment for the Upgrades of Labs B, C, D, E and F. GMS is also performing the Special Inspections.

Lenox Hill Hospital – Siemens 1.5TR MRI Upgrade

Design of framing supports for a new roof access opening for rigging the new equipment; design of re-installation of shielding and design of new dunnage for roof top equipment.

Lenox Hill Hospital – Interventional Radiology Lab

Design of ceiling and base supports for new IR Lab equipment on the 3rd Floor of the Uriis Building. The scope also includes MER equipment supports and RTU supports.

Lenox Hill Hospital – Replace Cobalt with Linear Accelerator and Renovate Suite (Tomotherapy)

The project involves the design of foundations for new tomotherapy equipment and lead wall and ceiling shielding supports. GMS is also performing the Special Inspections for the project

Lenox Hill Hospital – Interventional/Surgical Suite 11F Uriis

The project involves the design of a new Hybrid OR at the 11th Floor of the Uriis

Building. The scope also includes the design of supports for new MEP equipment to be installed in the terrace of the West Building and reinforcement of the existing framing.

Lenox Hill Hospital – 480V Transformer Vault Study

The scope involves the structural study for the feasibility of supporting new 480V transformers above the 3rd floor AHU on the Main Building. The report will include preliminary structural framing to understand the scope of work required in reinforcing the base building structure to support the new loads.

Staten Island University Hospital – Roof Mounted Generators

This project involves the design of new steel dunnage and supports for a new 350kW generator on the roof of the existing concrete building along the shore of Staten Island. The Generator is for emergency power of the new SIUH Laboratory, relocated to the 3rd floor of the building after original first floor lab was destroyed during Superstorm Sandy.

PNC Bank Branch – Net Zero, Fort Lauderdale, FL

PNC Net Zero at Andrews Avenue is a new 4,500 sf branch bank located in Fort Lauderdale, FL with zero net energy consumption and zero carbon emissions annually. Through the use of photovoltaic panels placed within the intricate roof and canopies, generated energy meets or exceeds the estimated annual energy consumption for this branch. Passive energy controls such as a brise soleil network, fully-grouted 8" masonry walls, optimum building orientation, and east-west window placement yield significant energy savings. Cantilevered steel tubes in the roof and custom tapered steel shapes designed to resist High Velocity Hurricane Zone wind pressures maintain a sleek and modern profile throughout.

PNC Bank Branches – South Florida Prototypes

GMS has been providing structural engineering services for the regional prototype designs for new PNC Bank Branch Roll-out in Southern Florida since 2010. To date, we have designed almost 20 high performance bank branches, each about 5,000 sf. All branches of PNC Banks are LEED™ Certified.

PNC Bank Branches – Tri-State Prototypes

Since 2004, GMS has been providing structural engineering services for the Bank Branch Roll-out in NY, NJ, and PA, adapting regional prototype design for new PNC Bank Branches. To date, we have designed approximately 75 high performance bank branches, each about 5,000 sf in the Tri-State area. All branches of PNC Banks are LEED™ Certified.

PNC Bank Branches – Mid Atlantic Prototypes

GMS has been providing structural engineering services for the Bank Branch Roll-out in VA, MD, DE and now GA, since 2005. To date, we have designed approximately 50 high performance bank branches, each about 5,000 sf in the Mid-Atlantic region. All branches of PNC Banks are LEED™ Certified.

PNC Bank Branches – Mid-West Prototypes

Since 2004, GMS has been providing structural engineering services for the Bank Branch Roll-out in IL, MI, OH, KY and WI. To date, we have designed over 55 high performance bank branches, each about 5,000 sf in the Mid-West. All branches of PNC Banks are LEED™ Certified.

METLIFE Building – 575 Fifth Avenue, NY, NY

Provided structural design services for the gut renovation of the lobby and retail spaces from the concourse to the 3rd floor. The design accommodates the reinforcement of the existing structural elements as part of the re-configured space, which removed floor slabs and walls. Eight (8) new escalators and a new elevator to serve the concourse up to the 3rd floor are part of the project as well as a 40' high interior feature wall and a new curtain wall for the retail spaces.

38 Sharon Street – Brooklyn, NY

GMS engineered this interior renovation and the addition of a second floor on the roof of an existing one and a half story row house building.

Liquidnet – 498 Seventh Avenue, 15th Floor, New York, NY

Provided structural engineering services for the renovation of approximately 40,000 SF of space located principally on the 15th floor and a connecting stair linking the 15th to the 12th and 14th floors (there is no 13th floor in building). The 15th Floor was converted into the main entrance and public floor for Liquidnet Headquarters.

Bank of America – 300 Harmon Meadow Boulevard, Secaucus, NJ

Provided structural engineering services for the design of supports on the roof for new 10 inch diameter pipes and a foundation for a new load bank on grade.

270 Park Avenue – New York, NY

Provided a structural assessment report for structure above the Metro North Train Room. The area of the structure demising the tower ground floor framing within the Metro North train room area is approximately 59,400 sf in area. The underside of the structure inspected is approximately 53 feet above the Metro North train room floor. The inspection was performed in segments of 1,600 sf (40' x 40' grid) which is close to the existing column grids within the space.

WEPN Transmitter Building – Secaucus, NJ

Provided structural design services for the slab on pile foundation of a new 1,000 square foot pre-cast transmitter building located in the meadowlands area of Secaucus. The design also includes pile supported pads for the transformer and satellite antenna.

Trey Beck Loft – Hudson Street, New York, NY

Provided structural design for the renovation of a two story apartment in TRIBECA. The scope of works includes the removal of parts of the 8th floor to create a two story living space, the design of a glass bridge, reinforcing the roof structure to support a new swimming pool and terrace.

Rehabilitation of Engine Co. 259 Firehouse – Long Island City, NY

Provided structural design for the upgrade and rehabilitation of an existing three story firehouse with cellar originally constructed in the late 1800's to meet new equipment requirements and specifications. The design involved the replacement of the existing apparatus floor to support HS20-44 and Tower Ladder Truck equipment, relocation of interior columns to provide an additional vehicle bay and upgrade of foundations and upper floor framing.

Rehabilitation of Engine Co. 217 Firehouse – Brooklyn, NY

Provided structural design for the upgrade and rehabilitation of an existing landmark-type firehouse constructed in the late 1800's to meet new equipment requirements and specifications.

Rehabilitation of Engine Co. 235-206 Firehouse – Brooklyn, NY

Provided structural design for the upgrade and rehabilitation of an existing landmark-type firehouse constructed in the late 1800's to meet new equipment requirements and specifications.

EISAI Inc., NJ Relocation – Woodcliff Lake, NJ

Provided structural design services for interior tenant build out of approximately 208,000 square feet of new office space. Review core and shell structure and provided reinforcement as required to support high density file systems, movable partitions, kitchen equipment, HVAC and mechanical equipment, and rolling grille doors. Provided slab openings for HVAC, mechanical equipment, and kitchen equipment.

St. Barnabas Medical Center Gamma Knife – Long Branch, NJ

Provided structural design for a reinforced concrete enclosure to be constructed at the ground floor of an existing 6-story medical facility building. The purpose of the enclosure will be to provide radiation shielding for a gamma knife unit. The project also includes the removal and in-fill of an existing hydrotherapy pool, and the installation of new MEP equipment on the existing roof structure above the gamma knife.

Silvercrest Group – 1330 Avenue of the Americas, New York, NY

Provided structural design for a communicating stair between the 38th to the 39th floors and structural reinforcing for a 275 sf high density file room on the 40th.

PRINCETON UNIVERSITY**September 2003 to November 2004**

RESEARCH ASSISTANT/ INSTRUCTOR

As a research assistant, Ms. Miro researched pre-stressed concrete structures designed and built in the 1950's. She organized course materials and led group discussions for a workshop on teaching introductory engineering courses. She also investigated copyright holdings and obtained reproduction permissions for introductory engineering book, *Power, Speed and Form Engineers and the Making of the Twentieth Century* by David P. Billington, Sr. and David P. Billington, Jr.

As an instructor, Ms. Miro taught either two laboratories or two review sessions/seminars per week and provided instructional assistance for introductory engineering courses. Additionally, she tutored students regularly and graded lab reports, homework assignments, exams and term papers.