

<b><u>EDUCATION</u></b>	<b>Stanford University</b> Master of Science in Civil Engineering	Palo Alto, CA June 2008
	<b>Massachusetts Institute of Technology</b> Bachelor of Science in Civil Engineering	Cambridge, MA June 2007
<b><u>LICENSES</u></b>	Registered Professional Structural Engineer in California (#6036)	Jan 2014
	Registered Professional Engineer in New York	Sep 2011
	Registered Professional Structural Engineer in California	Jan 2010
<b><u>CERTIFICATIONS</u></b>	ATC-20; ATC-45; AISC Welding & Bolting Inspector Certification; LEED AP	
<b><u>PROFESSIONAL ASSOCIATIONS</u></b>	<p>American Society of Civil Engineers (ASCE) 7-22, Seismic Subcommittee, Associate M.          American Society of Civil Engineers (ASCE) 7-22, Dead &amp; Live Loads Subcommittee, Voting Member, Secretary, Balloteer &amp; Historian          Member, Structural Engineers Association of New York          New York City Department of Buildings 2018 Code Revision Structural Technical Committee and Special Inspections Advisory Committee          Member, ATC Post-Earthquake Reconnaissance Team to Mexico City, Mexico in October 2017.</p>	
<b><u>EXPERIENCE</u></b>	<b>GILSANZ MURRAY STEFICEK</b> ASSOCIATE PARTNER	<b>June 2008 to Present</b>
	<p><b>Virgin Hotel - Broadway at 29th to 30th Streets – New York, NY</b>          The new US flagship Virgin Hotel is planned to be 440,000 sf over 38 stories providing 460 rooms. The five story podium and lower levels will house conference space, hotel amenities and 80,000 sf of retail area, with two large terraces on the third floor. This project will occupy the full block between 29<sup>th</sup> and 30<sup>th</sup> Streets along Broadway in NoMad (north of Madison Square), Manhattan. Currently in design, the project is adjacent to the subway lines running along Broadway, so approval of the MTA Office of Outside Services will be required.</p>	
	<p><b>68 / 74 Trinity Place - New York, New York</b>          GMS is serving as the structural engineer for this new 400 foot tall, 325,000 square foot building with 32 floors and two basement levels, as well as mechanical and penthouse levels. The upper 25 floors of the building will consist of offices. The lower portion (podium) of the building will contain the church's program area. The Trinity Street façade will include the bridge entrance 21'-6" above the ground floor level to facilitate access from Trinity Church across Trinity Place. The base of the building will contain specialty spaces including TV production, meeting rooms, libraries, music practice rooms, loading dock, food service areas, conference centers, class rooms and offices.</p>	
	<p><b>Porcelanosa - 202 Fifth Avenue, New York, NY</b>          Porcelanosa's US Flagship required the full gut renovation of the existing six story</p>	

building. The 18,000 square foot building was transformed into a trade/retail showroom with accessory office spaces. The project required review by the NYC Department of Buildings, NYC Landmarks Preservation Commission, NYC Department of Transportation for the sidewalk vault and MTA Outside Services division, for the subway line running below Broadway. GMS provided structural engineering, façade and waterproofing consulting, special inspection and construction monitoring services.

**Avalon West Chelsea – New York, NY**

This ground-up residential building located between 11th and 10th Avenues in the Chelsea, is approximately one block long. The “L-shaped” building is approximately 588,000 sf. The building height ranges from one to thirty-one stories and the flat plated concrete structure is built on piles.

**Peer Reviews:**

- City Point Phase 3
- 101 West 28<sup>th</sup> Street Cantilever
- 425 Park Avenue
- 138 Willoughby Street
- Riverside Center 1 / 400 West 61<sup>st</sup> Street
- 3 Hudson Boulevard
- 250 South Street
- Edge II – 2 North 6<sup>th</sup> Place
- 56 Leonard Street
- 50 West 53<sup>rd</sup> Street
- 101 West 28<sup>th</sup> Street - Cantilever
- 1 World Trade – Temporary Bracing during Erection

**Citibank FEMA P-154 – Various Locations, CA** Provided Rapid Visual Screening of Buildings for Potential Seismic Hazards (FEMA P-154) for several locations in the Bay Area and Los Angeles.

**Citibank North America region (NAM) Initial Risk Assessments – Various Locations**

Provided seismic hazard review of 400 locations for a financial services client.

**NIH Seismic Risk Assessment – Bethesda, MD**

Provided Phase II vulnerability assessment for NIH campus structures.

**Hurricane Sandy Assessments**

GMS was contracted by the New York City Department of Buildings to perform structural assessments with DOB electrical and mechanical inspectors for all buildings within Zone A after Hurricane Sandy in October of 2012. This effort continued through December of 2012.

**Apple Store – 1415 Third Street, Santa Monica CA**

GMS provided the structural calculations for a glass façade and glass roof and served

as Engineer of Record for the glass systems.

**Apple Store – Stanford Shopping Center, Palo Alto, CA**

GMS provided performance calculations and served as the Engineer of Record for the glass storefront and the glass roof components, as a consultant to the glass contractor.

**St. Thomas the Apostle School - Los Angeles, CA**

Structural design of 20,000 sf of new educational buildings with 58,000 sf of subterranean parking and renovation of an existing 11,500 sf school building. Also fully engineered and detailed the exterior curtainwall/building envelope cold-formed stud framing and the interior partition cold-formed stud framing for the school's new building addition.

**Apple Store – 1607 Walnut Street, Philadelphia, PA**

GMS provided the structural calculations for a glass façade system and served as Engineer of Record for the façade.

**Herb Alpert Educational Village - Auditorium – Santa Monica, CA**

A new 350-seat performing arts center for the new campus of a highly diverse, non-profit, independent, college preparatory school.

**A Noise Within – Pasadena, CA**

Glendale's classical repertory company A Noise Within commissioned a 33,000 sf three-story theater built within the footprint of a partially demolished Stuart Pharmaceutical Company, the landmark designed by Edward Durell Stone. The 300-seat theater features 60-foot column free spans supported by steel trusses, and over 250 feet of catwalk to support lighting fixtures and audio equipment.

**Uniqlo – West 34<sup>th</sup> Street, New York, NY**

The building at the 34<sup>th</sup> Street location was originally built in 1906 and received multiple additions and renovations throughout the beginning of the 20<sup>th</sup> Century. The key feature of this store is the centrally-located three-story glass box which required creating a 30-foot by 20-foot opening through two floors of the terra-cotta slab structure.

**5 Madison Clock Tower Load Test – New York, NY**

Provided a study and load tests of the typical floor construction with the tie rods removed in the clock tower building. The study consists of analysis of the floors in representative portions of the building and load tests on a sampling of the representative conditions structural and new loading conditions.

**45 Broad Street – New York, NY**

The design of the core and shell of a 340,000 sf residential building. The tower is designed to be 640 feet tall, but just 65 feet wide and 115 feet long. This architectural design was not built.

**Central Market Office Tower – Abu Dhabi, UAE**

GMS teamed with Halvorson and Partners to perform structural design for this new 938 foot reinforced-concrete office tower, which is part of a 7,534,737sf mixed-use development in Abu Dhabi. The 61-story tower has a roof at a 50 degree angle from the vertical to maximize sunlight received. The tower floor framing consists of one way slabs spanning to post tensioned beams. The lateral system is a concrete shear wall at the core stiffened by outrigger trusses and belt walls at the perimeter.

**UNIS – New York, NY**

GMS conducted a feasibility study for the addition of two stories on top of an existing four story building. Each floor of this steel framed structure is approximately 60,000 sf, but it was not designed for future load.

**PUBLICATIONS & PRESENTATIONS** Findings from the ATC Mexico City Earthquake Reconnaissance, Jennifer Lan, PE, SE presented at 2019 Structures Congress in Orlando, FL, April 2019.

Communication and Coordination in Residential Concrete Construction, by Ramon Gilsanz, Jennifer Lan, Petr Vancura, 2015 Structures Congress proceedings.

Investigation for the Removal of Steel Tie Rods in a Historic Segmental Arch Floor System, by Ramon Gilsanz, Jennifer Lan, Michael Lo, presented at 1<sup>st</sup> Annual Residential Building Design and Construction Conference, 2013. Also presented at 2013 Structures Congress in Pittsburgh, May 2013.

The Need for Expansion Joints in Residential Flat Plate Structures in New York City, by Jennifer Lan, Ramon Gilsanz, published in "*Issues on Computational Mechanics and Civil Engineering*" in honor of Professor Enrique Alarcon. Madrid, Spain, November 2012.

**HONORS**

Named an *Emerging Leader* in 2017 by the Beverly Willis Architecture Foundation  
Named one of *ENR New York's Top 20 Under 40* in 2014.

**POSITIONS IN UNIVERSITIES**

**YALE UNIVERSITY – School of Architecture**  
Structural Lecturer, Systems Integration

New Haven, CT  
Spring 2017 – Spring 2018