

# Engineering Qualifications 2021



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## ENGINEERS | SUSTAINABILITY CONSULTANTS

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# Mission Statement & Philosophy

## MISSION STATEMENT:

*Embracing energy saving technologies towards sustainable engineering solutions.*

**TWIG<sup>®</sup>** provides specialized consulting and design, energy/sustainability, CADD and special inspections consulting services for clients nationwide. Using a high performance approach, combined with a diverse portfolio of project experience, we are able to help drive your business' success in a challenging economy. With a growing staff of consultants, we also provide a local presence and regional knowledge.

## PHILOSOPY:

**TWIG<sup>®</sup>** is based on the ideas of a talented group of engineering professionals and consultants that have many diversified years of experience.

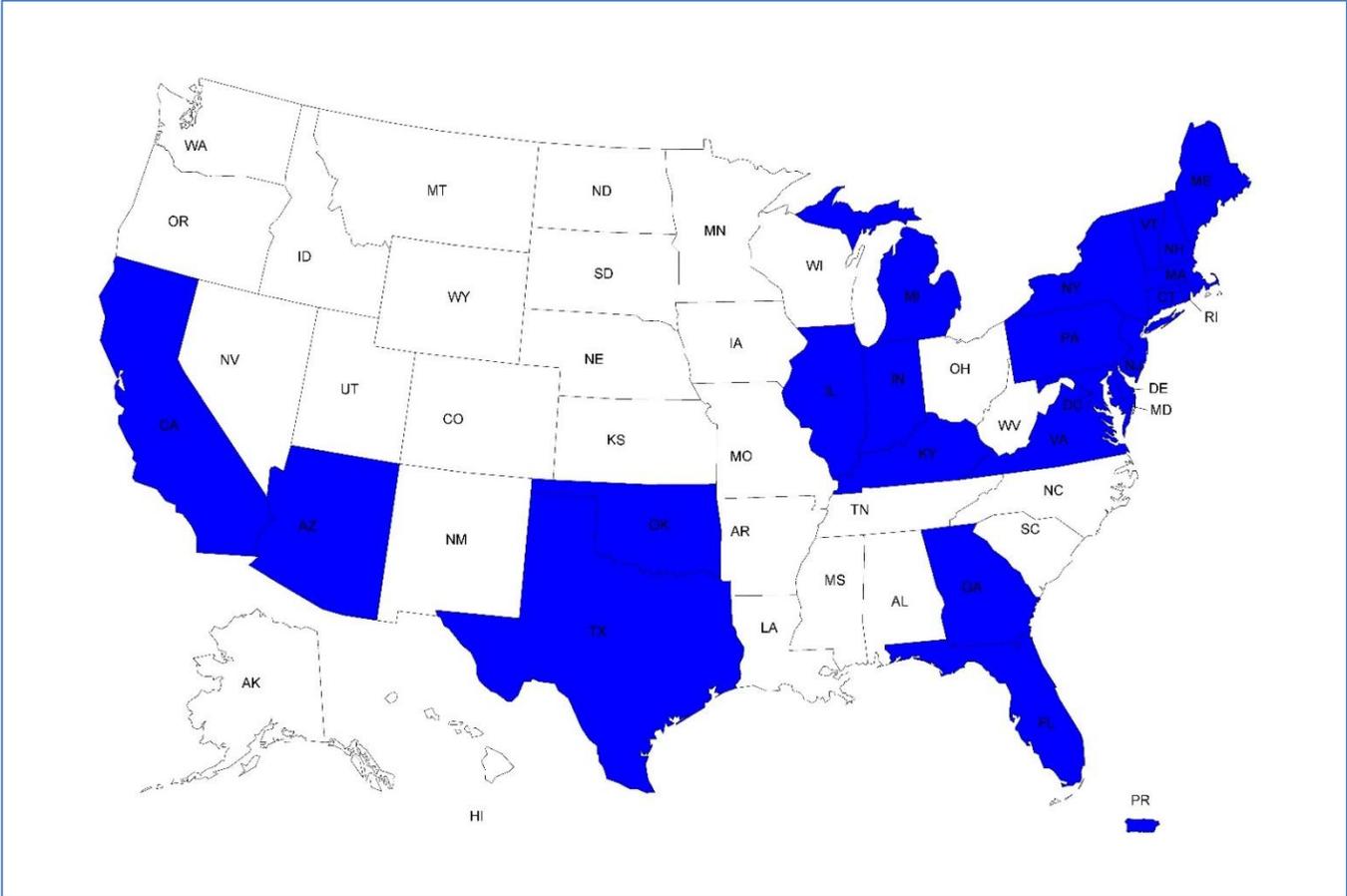
**TWIG<sup>®</sup>** is committed to offering our clients state-of-the-art industry knowledge with honest efficiency, beneficial advice and proficient service. Our staff has consulting engineering design, energy/sustainability design, computer aided design (CAD) and special inspections consulting experience within many industries of the construction realm.

# Services

<p><b><u>Mechanical   Heating Ventilation &amp; Air Conditioning (HVAC) Consulting   Design</u></b></p> <ul style="list-style-type: none"> <li>• Heating Systems</li> <li>• Ventilation Systems</li> <li>• Air Conditioning Systems</li> <li>• Central Plants Systems</li> <li>• Steam Stations</li> <li>• Air Handling and Distribution Systems</li> <li>• Fluid Handling and Distribution Systems</li> <li>• Computer Room/Data Center Design</li> <li>• Fuel Storage and Distribution Systems</li> <li>• NYC Special Inspections</li> </ul>	<p><b><u>Electrical Consulting   Design</u></b></p> <ul style="list-style-type: none"> <li>• Electrical Power Distribution</li> <li>• Lighting &amp; Receptacles</li> <li>• Sub-Metering Systems</li> <li>• Fire Alarm Systems</li> <li>• Emergency Power and Lighting</li> <li>• Voice/Data Cabling Systems</li> <li>• Cable Management</li> <li>• Uninterruptable Power Supply</li> <li>• Emergency Generator Systems</li> <li>• NYC Special Inspections</li> </ul>	<p><b><u>NYC Special Inspections</u></b></p> <ul style="list-style-type: none"> <li>• Chimneys (BC.1704.24)</li> <li>• Photoluminescent Exit Path Markings (BC.1026.01)</li> <li>• Mechanical Systems (BC.1704.15)</li> <li>• Fuel Oil Storage and Piping Systems (BC.1704.16)</li> <li>• Heating Systems (BC.1704.23)</li> <li>• Smoke Control System (BC.1704.14)</li> <li>• Sprinkler Systems (BC.1704.21)</li> </ul>	<p><b><u>Sustainability</u></b></p> <ul style="list-style-type: none"> <li>• Project Registration</li> <li>• Credit Interpretations Rulings (CIR)</li> <li>• Application Filing Process</li> <li>• Review and Certifications</li> <li>• Appeals</li> <li>• LEED Certification Analysis</li> <li>• Geothermal Heat Pump Systems Design &amp; Analysis</li> <li>• Renewable Energy Sources Analysis</li> <li>• Indoor Air Quality Analysis</li> </ul>
<p><b><u>Fire Protection   Sprinkler Consulting   Design</u></b></p> <ul style="list-style-type: none"> <li>• Wet Sprinkler Systems</li> <li>• Dry-pipe and Pre-Action Systems</li> <li>• Smoke Detection and Alarms</li> <li>• Gaseous Suppression Systems</li> <li>• Dry and Wet Chemical Extinguishing Systems</li> <li>• Fire Extinguishing/Fighting Equipment</li> <li>• Fire, Safety, Engineering &amp; Design</li> <li>• International Fire Standards</li> <li>• Fire Detection &amp; Alarm Systems</li> <li>• NYC Special Inspections</li> </ul>	<p><b><u>Plumbing Consulting   Design</u></b></p> <ul style="list-style-type: none"> <li>• Hot and Cold Potable Water Systems</li> <li>• Storm Drainage Systems</li> <li>• Sanitary and Waste Systems</li> <li>• Backflow Prevention Systems</li> <li>• Gas Distribution Systems</li> <li>• Compressed Air Systems</li> <li>• NYC Special Inspections</li> </ul>	<p><b><u>NYC Special Inspections</u></b></p> <ul style="list-style-type: none"> <li>• Standpipe Systems (BC.1704.22)</li> <li>• Firestop, Draftstop and Fireblock Systems (BC.1704.25)</li> <li>• Fire Alarm (BC.907) + (BC.1704.13)</li> <li>• Emergency Power Systems (BC.1704.13   2702)</li> <li>• Progress Inspections (BC.109.35)</li> </ul>	<p><b><u>Energy</u></b></p> <ul style="list-style-type: none"> <li>• Energy   Sustainability</li> <li>• High Efficiency MEP Design Analysis</li> <li>• Commissioning Review and Analysis</li> <li>• DOE-2 Building Simulation and Energy Analysis</li> <li>• Energy ProTM Building Simulation and Energy Analysis</li> <li>• Cogeneration Systems Design</li> <li>• Solar Photovoltaic Energy Systems Design</li> <li>• Water Energy System Design</li> <li>• Solar Heating (hot-water, space heating, pool heaters) System Design and Engineering Systems Analysis</li> </ul>

## ENGINEERS | SUSTAINABILITY CONSULTANTS

# Licensure



Arizona | California | Connecticut | Colorado | Delaware | District of Columbia (Washington, D.C.) | Florida | Georgia | Illinois | Kentucky | Maine | Maryland | Massachusetts | Michigan | New Hampshire | New Jersey | **New York** | Oklahoma | Pennsylvania | Puerto Rico | Rhode Island | Tennessee | Vermont | Virginia

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# Project Highlights

**BASE BUILDING ENGINEERS**



**HOTELS | HI-RISES**



**RESIDENTIAL**



**COMMERCIAL INTERIORS**



**KITCHEN | RESTAURANTS**



**RETAIL**



**EDUCATIONAL**



**LEED | SUSTAINABILITY**



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# Base Buildings Engineers

**CII – 57 West 57<sup>th</sup> Street**



**SLG – 16 Court Street**



**JLL – 315 Park Avenue South**



**NKG – 145 West 57<sup>th</sup> Street**



**HTZ – 667 Madison Avenue**



**SMI – 129 West 29<sup>th</sup> Street**



**CII – 136 Madison Avenue**



**CII – 655 Madison Avenue**



**AGL – 920 Broadway**



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# Hotels | Hi-Rises

**Marriott Hotel | 32Stories | 72,000 sq. ft.**



**RIU Hotel | 38Stories | 380,000 sq. ft.**



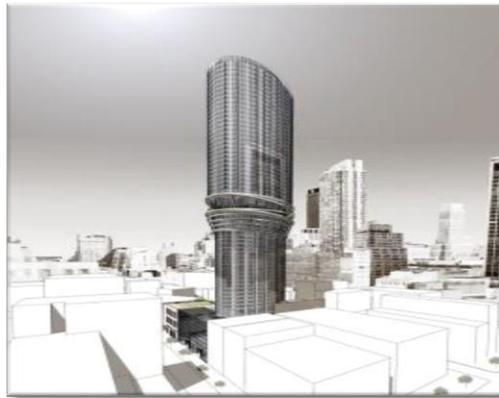
**Viana Hotel | 5Stories | 80,000 sq. ft.**



**Archer Hotel | 21Stories | 78,000 sq. ft.**



**Hampton Inn | 30Stories | 141,000 sq. ft.**



**Firmdale Hotel | 18Stories | 100,000 sq. ft.**



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# Residential | Hi-Rises

**The Brentmore | 12Stories | 170,000 sq. ft.**



**The Ardea | 12Stories | 24,000 sq. ft.**



**Biddle Residence | 5Stories | 10,000 sq. ft.**



**Stellar Management | 5Stories | 10,000 sq. ft.**



**Vacari Residence | 2Stories | 5,000 sq. ft.**



**The Walton | 7Stories | 11,000 sq. ft.**



**Mohawk Atelier | 8Stories | 36,000 sq. ft.**



**Continental Towers | 36Stories | 300,000 sq. ft.**



**The Vaux | 19Stories | 240,000 sq. ft.**



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# Commercial Interiors

SL Green | 37Stories | 290,000 sq. ft. Newmark Grubb | 21Stories | 240,000 sq. ft. Jones Lang LaSalle | 16Stories | 290,000 Sq. ft.



Colliers | 20Stories | 160,000 sq. ft.

Hartz Mtn. | 36Stories | 825,000 sq. ft.

Samson Mgmt. | 11Stories | 170,000 sq. ft



Renatus Group | 12Stories | 100,000 sq. ft.

Colliers | 25Stories | 220,000 sq. ft.

SL Green | 36 Stories | 890,000 sq. ft.



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# Kitchens | Restaurants

**Perilla | GL | 3,000 sq. ft.**



**Rotisserie Georgette | GL | 4,000 sq. ft.**



**Sayta Eastern Kitchen | GL | 3,000 sq. ft.**



**Chipotle | GL | 7,000 sq. ft.**



**Culinary Tech School | GL | 3,000 sq. ft.**



**Digg Inn Restaurant | GL | 5,000 sq. ft.**



**Moe's Southwest Grill | GL | 2,500 sq. ft.**



**Fabric | GL | 8,000 sq. ft.**



**Mu-Ramen | GL | 4,000 sq. ft.**



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# Retail

**Dream Dry Hair Salon | GL | 3,000 sq. ft.**



**Sarar | GL | 5,000 sq. ft.**



**Wag Club | GL | 4,000 sq. ft.**



**Foot Locker | GL | 9,000 sq. ft.**



**Astor Wine & Spirits | GL | 11,000 sq., ft.**



**Yoga Center | Route 23 | 5,000 sq. ft.**



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# Educational

**BCP – Brilla College Prep**



**CUL – Culinary School**



**CUMC – Columbia University**



**NYU – New York University**



**PACE – PACE University**



**SVA – School of Visual Arts**



# LEED I Sustainability

**Marriott Hotel | LEED Silver**



**RIU Hotel | LEED Silver**



**Viana Hotel | LEED Silver**



**Archer Hotel | LEED Gold**



**Hampton Inn | LEED Silver**



**Firmdale Hotel | LEED Silver**



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# Key Personnel



**The Wall Consulting Group, Inc. (TWIG®)** is the parent company of our engineering Consulting and Design branch, our Energy and Sustainable branch, our CADD branch, our Special Inspections branch, our Telecom branch and our Project Management branch which all provide specialized, multi-disciplinary consulting services for clients nationwide.

<b>Dave R. Wall, P.E.</b>	<b>Paul Singh</b>	<b>Anthony M. Jones</b>	<b>Julissa Rodriguez</b>
Managing Director	Associate Director of Engineers	Associate Director of Operations	Finance Director

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