

STRUCTURAL ENGINEERING TECHNOLOGIES, P.C.

40-12 28TH Street, Long Island City, NY 11101 • (P) 718-706-7196 • (F) 718-472-4464 • (E) structuralet@aol.com

GEORGE J. CAMBOURAKIS, P.E., C. ENG. PRESIDENT & CHIEF STRUCTURAL ENGINEER

Professional Experience: Pride and Passion in the Art of Structural Engineering since 1979.

Professional Registration: Professional Engineer: Licensed in New York (# 060234) & New Jersey (#24GE03729700)

AFFILIATIONS:

U.S. PILE AND FOUNDATION, INC. – Partner & Chief Engineer
40-12 28th Street, L.I.C., N.Y. 11101

Construction Services for all types of piles, earth retention systems, and support of excavation.

HIGHLIGHTS OF EXPERIENCE:

Mr. Cambourakis has over 33 years of experience in structural and foundation engineering. Much of this experience (from 1979-1989) has been with Thornton-Tomasetti, P.C. of New York City, one of the premier structural engineering consulting firms in the world.

Mr. Cambourakis started his own consulting practice in 1989, and has since found a niche in structural design of new buildings, foundation design, deep foundations and excavation support systems, drilled pile systems, structural rehabilitation and restoration of existing buildings, building demolition, and construction support services. This experience has included commercial, residential, hotel, institutional and industrial buildings from 3,000 square feet to over 1,000,000 square feet in size.

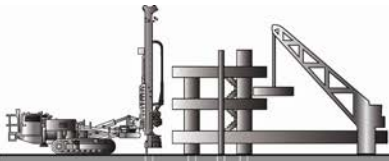
More recently, since 2009, design/build capabilities for all pile foundation and support of excavation work have been added to the overall scope of services that our firm can provide.

EDUCATION:

Bachelor of Engineering, Civil Engineering, City College of New York, 1979

Master of Engineering, Structural Engineering, City College of New York, 1983

Professional Degree (Ph.D. Candidate), Structural Engineering, Columbia University, New York, 1990

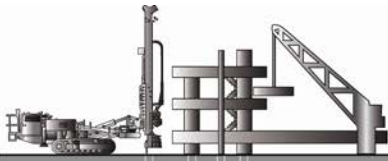


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PROFESSIONAL ACTIVITIES:

- Professor for “Design of Reinforced Concrete Structures”, “Design of Steel Structures”, and “Statics and Strength of Materials” at Pratt Institute, Brooklyn, NY, since 1990
- Committee Member of Joint ADSC/DFI Micropile Committee
- American Society of Civil Engineers
- National Society of Professional Engineers
- American Institute of Steel Construction
- American Concrete Institute
- Deep Foundations Institute (DFI)
- ADSC : International Association of Foundation Drilling
- International Society for Micropiles (ISM)
- International Concrete Repair Institute
- Attendance at DFI Conference “Progression in Urban Micropile Construction”, October 14, 2008, New York City
- Attendance at International Foundation Congress & Equipment Expo, and Special Conference on “Advanced Micropile Design and Construction”, March 14-17, 2009, Orlando, Florida
- Attendance at DFI “34th Annual Conference on Deep Foundations”, October 21-23, 2009, Kansas City, Missouri
- Attendance at DFI “Super Pile 2010” Conference, June 10-11, 2010, New Orleans, LA
- Attendance at ISM Conference “Advanced Micropile Design and Construction”, September 22-25, 2010, Washington, DC
- Attendance at DFI “Super Pile 2011” Conference, May 12-13, 2011, Charleston, South Carolina
- Attendance at DFI “36th Annual Conference on Deep Foundations”, October 19-21, 2011, Boston, Massachusetts
- Attendance at International Foundation Equipment Expo and Technical Conference, and Special Conference on Small Diameter Drilling, March 14-17, 2012, San Antonio, Texas



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RECENT PROJECTS (HIGHLIGHTS):

DESIGN – BUILD

41-26 27TH STREET, LONG ISLAND CITY, NY:

Structural design and design/build services for new 10-story 100,000 sq. ft. apartment building (66 apartments). Building consists of masonry bearing walls, composite steel joist floor framing brick/cast stone façade, and high-end interiors.

169 HUDSON STREET, NEW YORK, NY:

Structural design and design/build services for 9,000 sq. ft. rooftop addition to an existing 7-story, 60,000 sq. ft. landmarked building, including the creation of a 4-story open courtyard in the center of the building and façade restoration.

86-96 CANAL STREET, NEW YORK, NY:

Structural design, shop drawings, and design-build services for 150 drilled minipiles for proposed 10-story residential building.

281 UNION AVENUE, BROOKLYN, NY:

Structural design, shop drawings and design-build services for 170 drilled minipiles and driven/vibrated HP piles for proposed 12-story residential building.

JFK RADISSON HOTEL, JAMAICA, NY:

Structural design and design/build services for existing 370 room hotel, including structural repairs to waffle-slab parking decks, waterproofing of parking decks, repairs and restoration of facades and interior lobbies and restaurant.

MANSFIELD GARDENS COMPLEX, BROOKLYN, NY:

Structural design and design/build services for removal and replacement of existing 35,000 sq. ft. concrete plaza decks over an existing parking garage, utilizing new steel beams, steel decking and concrete slabs.



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FOUNDATIONS AND SUPPORT OF EXCAVATION

1 FULTON SQUARE, FLUSHING, NY:

Design/Build services for all support of excavation systems, including soldier piles and lagging with tiebacks, underpinning with tiebacks, and mini-piles for structure support, for 38 ft. deep excavation for underground parking.

1510-1520 CARROLL STREET, BROOKLYN:

Structural design services for lowering of existing 20,000 sq. ft basement of an occupied 4-story apartment complex to over 7 feet below existing basement level, for a new Mikvah Facility. S.E.T. developed a phasing approach for all stages of shoring, underpinning, excavation, and new steel beam and column installation.

LINCOLN SQUARE SYNAGOGUE, NEW YORK, NY:

Consulting services for 52,000sq. ft. synagogue/school/ballroom facility with a 28ft. deep basement that included approximately 15ft. of rock removal, sheeting of excavation slopes, underpinning, and rock/soil anchors. The superstructure consists of steel frames with long spans and transfer conditions. S.E.T. provided all design services for rock removal, sheeting and underpinning, and rock/soil anchors.

27 CRANBERRY STREET, BROOKLYN, NY:

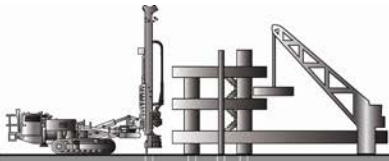
Structural design services for support of excavation and all foundations for new 4-story residential building with 28 ft. deep basement, utilizing tangent piles, underpinning, and tiebacks for both temporary SOE and permanent foundation support of new structure, which is directly adjacent to Landmarked buildings on each side.

559-563 CARROLL STREET, BROOKLYN, NY:

Structural design services for support of excavation and all drilled minipile foundations for new 5-story residential structures.

411 NINTH AVENUE, NEW YORK, NY:

Structural design services for support of excavation and all rock-socketed drilled minipiles and concrete foundation mat for new 10-story residential building.



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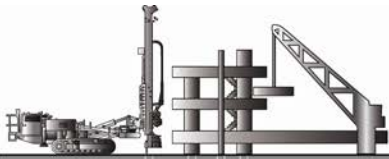
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ST. JOSEPH'S COLLEGE, BROOKLYN, NY:

All support of excavation drawings for 20,000 sq. ft. site for new College Athletic Facility, using drilled soldier pipe piles and interior bracing systems.

30 GARFIELD PLACE, BROOKLYN, NY:

Structural design services for 4-story 15,000 sq. ft. addition to existing one-story parking garage, utilizing helical piles for new column loads, and excavation and shoring for new cellar space.



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RESIDENTIAL

26-26 JACKSON AVENUE, LONG ISLAND CITY, NY:

Structural design services for new 45,000 sq. ft. 12-story luxury condominium building, utilizing steel-moment resisting frames and concrete mat foundation.

41-26 27TH STREET, LONG ISLAND CITY, NY:

Structural design and design/build services for new 10-story 100,000 sq. ft. apartment building (66 apartments). Building consists of masonry bearing walls, composite steel joist floor framing brick/cast stone façade, and high-end interiors.

53-71 BRIDGE STREET, BROOKLYN, NY:

Structural design services for renovation of the existing 7-story, 80,000 sq. ft. warehouse building and new 5-story, 45,000 sq. ft. rooftop addition. Project included special anchorage details to existing cast-iron columns, lightweight floor framing for rooftop addition, and new balcony structures at existing building façade.

60 WARREN STREET, NEW YORK, NY:

Structural design services for renovation of the existing 5-story, 30,000 sq. ft. building and new 4-story rooftop addition utilizing long-span beams at existing roof. Project included façade restoration and reframing of floors for new stair and elevator shafts.

133 3RD AVENUE, NEW YORK, NY:

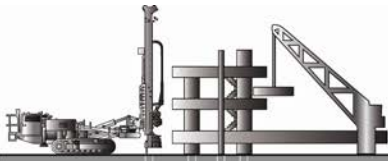
Structural design of new 17-story apartment building on a 17ft. wide site, utilizing a cast-in-place concrete shear wall structure over a concrete mat foundation with steel pipe caissons (mini-piles), in compression and tension, socketed into bedrock.

155 15TH STREET, BROOKLYN, NY:

Structural drawings and specifications for new 7-story residential building plus basement for parking, approx. 46,000 sq. ft. total. Structure consisted of cast-in-place concrete flat slabs, concrete columns, and spread footings.

169 HUDSON STREET, NEW YORK, NY:

Structural design and design/build services for 9,000 sq. ft. rooftop addition to an existing 7-story, 60,000 sq. ft. landmarked building, including the creation of a 4-story open courtyard in the center of the building and façade restoration.



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225 4TH AVENUE, BROOKLYN, NY:

Structural Design of new 13-story apartment building (approx. 35,000 sq. ft.), utilizing braced/moment connected steel frames, and Design/Build services for foundation system consisting of steel pipe caissons (mini-piles) in difficult soil conditions.

583 6TH AVENUE, BROOKLYN, NY:

Structural drawings and specifications for new 4-story building with cellar, approximately 32,000sq. ft. in total buildable area (including roof and cellar). Structure will consist of Steel braced/rigid frames, Steel columns and Steel beam/C-joists floor framing. Design of foundations (footings, piles, etc.).

GOLDEN GATE CONDOMINIUMS, KEW GARDENS, NY:

Structural design and construction cost estimating services for new four story addition over an existing 2-story industrial building, with total project area of 90,000 sq. ft.



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STRUCTURAL REPAIRS / RESTORATION / REHABILITATION

WEST POINT MILITARY ACADEMY, WEST POINT, N.Y:

Structural design services for restoration and rehabilitation of over one hundred (100) historic buildings, from single and double family residences up to Community Facilities.

40 EAST 72ND STREET, NEW YORK, NY:

Structural design of extensive bracing and shoring system for 5-story Landmarked building walls that were to remain while entire interior of building was being demolished, including detailed sequence of bracing and demolition procedures.

315 WEST 103RD STREET, NEW YORK, NY:

Structural design services for complete gut-rehabilitation of existing 4-story residential building and new 2-story rooftop addition.

79-17 ALBION AVENUE, QUEENS, NY:

Structural design services for gut-rehabilitation of existing 2-story 40,000 sq. ft. catering facility, including removal of interior columns and re-spanning of floors with 100 ft. span steel girders, strengthening of existing foundations with micropiles, and new grand stair and entry structure.

2929 BRIGHTON 5TH STREET, NY

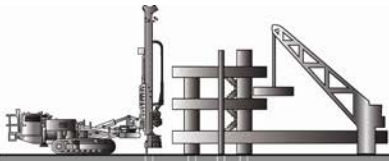
Structural design services and NYC Dept. of Buildings Peer Review for extensive structural repairs and reinforcement, and strengthening of existing helical pile foundations with new micropiles, for partially collapsed 5-story residential building.

JFK RADISSON HOTEL, JAMAICA, NY:

Structural design and design/build services for existing 370 room hotel, including structural repairs to waffle-slab parking decks, waterproofing of parking decks, repairs and restoration of facades and interior lobbies and restaurant.

MANSFIELD GARDENS COMPLEX, BROOKLYN, NY:

Structural design and design/build services for removal and replacement of existing 35,000 sq. ft. concrete plaza decks over an existing parking garage, utilizing new steel beams, steel decking and concrete slabs.



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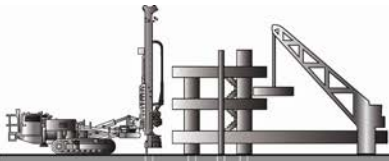
Structural design services for renovation of the existing 5-story, 30,000 sq. ft. building and new 4-story rooftop addition utilizing long-span beams at existing roof. Project included façade restoration and reframing of floors for new stair and elevator shafts.

169 HUDSON STREET, NEW YORK, NY:

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53-71 BRIDGE STREET, BROOKLYN, NY:

Structural design services for renovation of the existing 7-story, 80,000 sq. ft. warehouse building and new 5-story, 45,000 sq. ft. rooftop addition. Project included special anchorage details to existing cast-iron columns, lightweight floor framing for rooftop addition, and new balcony structures at existing building façade.



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HOTELS/HOSPITALITY

FOUR POINTS BY SHERATON HOTEL, LONG ISLAND CITY, NY:

Structural design services of a new 50,000 sq. ft. 10-story Hotel, using cast-in-place flat plate and shear wall construction, including a two story concrete vierendeel truss with a 24ft. cantilevered sections in two directions.

INDIGO EAST HOTEL, LONG ISLAND CITY, NY:

Structural Design services of new 55,000 sq. ft. 14-story Hotel, using cast-in-place flat plate and shear wall construction.

JFK RADISSON HOTEL, JAMAICA, NY:

Structural design and design/build services for existing 370 room hotel, including structural repairs to waffle-slab parking decks, waterproofing of parking decks, repairs and restoration of facades and interior lobbies and restaurant.

RAVEL HOTEL, LONG ISLAND CITY, NY:

Structural design services for new 9-story Hotel and new 2-story catering facility, of approximately 80,000 sq. ft. in total buildable area, using structural steel.