



Dur design and forensic engineering staff are comprised of qualified engineers with more than 100 years of collective experience in the Structural, Civil, Forensic, Special Inspections and Construction Management disciplines.

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87-42 148th St. Unit 301 Jamaica, NY 11435 Ph: 646.491.6070 • Fax: 888.575.6384 onemco Engineering, Inc. is a consulting engineering firm serving Florida since 2008 and has expanded operations to New York since 2015. Since then, the Structural & Civil staff has been involved in over 800 projects. This brings the professional experience, technical knowledge, competency and commitment required to deliver the high level of engineering services that today's fast-moving construction market demands.

While providing consulting engineering services in South Florida and New York, our company has forged strong working relationships with many of the major architectural firms and developers engaged with the construction industry.

Our philosophy is to excel in delivering optimal solutions, the best results and exceed our client's expectations to strengthen our established trust.

Conemco's work balance between the public and private sectors have allowed our work to combine a high level of quality and attention to details with quick turn-arounds and cost effective solutions.





PROJECT SUMMARY IN THE LAST 4 YEARS



Why us?

 Conemco Consultants stands on solid ground with a group of professionals with broad local and international experience.

• We integrate a diverse range of engineering services under the same roof.

• We are empowered and oriented to provide cost-effective solutions to our clients.

 Our flexible cost structures allow us to adapt to small and big projects on both the public and private sector.

 Our strong company structure allows us to adapt to each project needs, either as a consultant or as a partner.





At CONEMCO CONSULTANTS we are committed with project schedules and deadlines. We think ahead and anticipate conflicts to avoid delays.

Our services

Structural Engineering services:

- Structural Design:
 - Concrete
 - Masonry
 - Steel
 - Wood

Inspection services:

- Threshold inspections
- Special inspections
- Forensic Investigation
- Other inspections

Civil Engineering services:

- Paving & Drainage Plans
- Bridge Design
- Traffic Operations Design

Construction Management services:

- Owner's representation (planning, design and construction phases).
- Contract administration.
- Inspection and quality assurance.
- Contract review and negotiations.
- Cost Estimating.

Collectively, our engineers have more than 100 years of experience in design and forensic investigation.





PUBLIC PROJECTS PORTFOLIO

North District Wastewater Treatment Rehabilitation Project, Miami Dade Water & Sewer Department.

The NDWWTP rehabilitation project is part of the 2013 Consent Decree between Miami Dade Water and Sewer Department and Environmental Protection Agency to initiate a program to implement improvements at the plant to restore the viability of this wastewater treatment facility over the long-term. The scope of services for this project included the renewal and replacement of the NDWWTP's existing facilities including an evaluation of existing equipment condition, capacity and useful life expectancy as well as preparation of prioritized rehabilitation or replacement schedule and related design services. Engineering services were also performed on an as-needed basis during the design phase including preliminary site investigations, survey, geotechnical, hydraulic modeling and analysis, coordination with other utilities, preparation of design reports, drawing and contract specifications for structural, electrical and mechanical projects.

As part of the design team we were responsible for the structural upgrades and additions on the following project components:

- Pretreatment/Sludge Transfer
 Building upgrades
 Aerated Grit/Screening Building
 upgrades
 New Electrical Building
- 4. Primary Clarifiers Upgrade
- 5. Secondary Clarifiers Upgrade

6. Deep Injection Well Pump Station Upgrade





Side view of Catwalk

BCSC Bleachers And grandstands Inspection & Evaluation (Broward County, FL)

As required by the Florida Building Code and Florida Fire Prevention Code Broward County Public Schools all bleachers are required to be inspected at least every two years by a professional engineer to confirm they are free from hazards such as cracks, rust, loose fastenings, spalling, exposed reinforcing steel, wood rot, chips, splits, and wood-destroying insects that would deem the structure unsafe, and that the structures meet the minimum safety, casualty, and sanitation requirements for their intended use.

Broward County Public Schools retained our services to conduct a structural Safety to Life Inspection to the Bleachers, Grandstands and auditoriums for more than 120 schools in the years 2013, 2015 and 2018 including repair solutions. A report for each of the school including repair recommendations and drawings when deemed necessary for bringing them up to code were provided.



Interior view of gym bleachers



Exterior view of pool bleachers

Camp Matecumbe Playground

Provide a complete set of civil drawings and calculations, including paving and drainage plans, parking lot profile, traffic coordination and traffic signage and markings for the parking area and its entry drive for the property located at 13841 SW 120TH ST, MI, FL, 3318.



Broward County Parks & Recreation Everglades Holiday Park





Location: 21940 Griffin Rd, Fort Lauderdale, FL 33332 Design time: 2017 Area: 39 acre

About the project: As part of this contract, Broward County Parks and Recreation retained our services to provide an evaluation and structural design upgrades for an existing wood deck and walkway extension of the concessions building located at Everglades Holiday Park.

Enhance Hurricane Protection Areas – EHPA (Broward County, FL)

As part of the Florida Building Code, section 453.25.6.3. And School Board of Broward County structural design criteria (SBBC) all structures used as enhance hurricane protection areas (EHPA) (buildings used as shelters during a hurricane) are required to be inspected and certified by a Florida registered Professional Engineer. This recertification should be provided every five years or after the replacement or damage of any structural system.

Broward County Public Schools retained our services to provide inspections and reports for more than 40 schools in the years 2010, 2015 and 2018, depicting the existing condition of the EHPA building structural components.

The components reviewed during the inspection included: extrior envelope, roof decking, doors, windows, louvers, roofing material, HVAC equipment and components installed on the roof. In this report, the rated capacity of the element as specified in the label, product approval number (NDA), as built drawings, a manufacturer data sheet was confirmed to match with the prevailing requirements set forth in the Florida building code at the time of construction/replacement. Recommendations for upgrades were provided when elements were not in compliance with today's code.



Street view



Aerial view

PUBLIC PROJECTS

Palm Beach County Park Airport

About the project: The design and structural calculations were elaborated for approximately 9,180 SF hangar and consisted of the connections between the structural members of steel, the revision of columns anchor bolt's shop drawings for the Hangar # 600 in the Lantana Airport located in Palm Beach County Park Lantana Airport Lake Worth, FL. 33462





Naval Air Station Hangar



About the project: Our company provided structural design, analysis and calculations for the shoring system to be installed for the structural repairs of the roof and columns of one of the Naval Air Station Hangar that has approximately 40,000 SF. Our work also included control inspections and construction support during the installation process.

Cost Estimator, Miami International



About the project: Responsible for Change Order Cost Estimates review of Miami International Airport Contractors, specifically those involving structural modifications. At any one moment in time, more than 20 construction and remodeling projects are running at the same time, implying many change orders per week and a permanent cost estimating consulting review.

Concourse H Restrooms Renovations

About the project: The scope of services includes traditional Schematic Design, Construction Documents, Bid and Negotiation, and Construction Administration Services for the project. Our team proposes to perform the document preparation required for Miami Dade Aviation Department -Conc. H Restrooms Renovations as noted. Also, the structural plans for the preparation of the ceiling drawings and shop drawings. Anchoring details for HVAC supports, changing platform design, supporting details for bathroom fixtures such as toilets, sinks and other accessories for 10 restrooms of the MIA Concourse H Restrooms.



Department of Veterans Affairs VA Hospital



About the project: Evaluation and damage assessment report of parking lot adjacent to the VA Hospital in West Palm Beach after being damaged due to fire truck weight load. The existing parking lot was designed with prestressed double tee beams spanning 50 to 70 feet. A fire truck circulated the third top floor that is at the same level of the hospital entrance submitting the beams to stresses which the beams were not designed to withstand.

As part of the staff for the company that performed the work, Mr. Compres' services was a forensic inspection and evaluation of the existing beams and supports were performed in order to provide the recommendations for the repairs necessary. Influence lines and loading patterns of the fire truck, which was heavier than an HS-2D loading that was considered to evaluate the maximum forces on the double tees flanges and web of beams. Comparisons of the actual design capacity was provided with the original design that was also included. A report with the conclusions and findings of the inspection was provided.

PRIVATE PROJECTS PORTFOLIO

Druin Residence



Location: 17501 NE 6th Ave, Miami, FL, 33162 Design time: 2016 Area: 13,000 Square feet About the project: Design of a 3-story residence. Structure framing consisted of concrete columns, masonry walls, concrete mat foundation, concrete beams, steel joists and metal deck roofs.

San Marino Residence



Location: 306 West San Marino Drive, Miami Beach, Florida 33139 Design time: 2015 Area: 10,591 square feet.

About the project: Design of a 2 story residence. The structural framing consisted of auger-cast concrete piles and grade beams foundations, concrete slabs and concrete columns and beams frame with masonry wall panels. The design of this building included the design of retaining walls for the multilevel pool deck supporting earth and other to serve as pool walls.

Meyer Residence



Location: 6001 SW 70th Ave., Miami, Florida Design time: 2016 Area: 6,000 square feet About the project: A 2-story residential building. Structural framing consisted of steel deck slabs, supported on a mat foundation concrete column frame with masonry wall panels.

Shvartsman Residence





Location: 251 189th St. Sunny Isles, FL33160 Design time: 2017 Area: 8,000 square feet.

About the project: A 3-story residential building. The structure framing consisted of auger-cast concrete piles and grade beams foundations, concrete slabs, concrete column frame, masonry wall panels, steel joists and metal deck system.

Bittan Residence



Location: 610 S. Shore Dr. Miami Beach, FL 33141 Design time: 2017 Area: 8,700 Square feet

About the project: Structural and civil design of a 2-story residence. Structure framing consisted of concrete beams, concrete columns, steel beams, steel columns, concrete shear walls, masonry walls and grade beam foundation.

Buena Vista Lofts



Location: 4670 NE 2nd Ave. Miami, FL33137 Design time: 2017 Area: 28,000 Square feet About the project: Design of mix-use building. The structure framing consisted of masonry walls, concrete mat foundation, concrete beams, post tensioned slabs & metal deck mezzanine.

Prestige Framers



Location: 63 NW 54th St. Miami, FL 33127 Design time: 2017 Area: 3,000 Square feet About the project: Design of a 2-story commercial building. Structure framing consisted of a mezzanine with a metal deck system supported with steel joists, concrete slabs, concrete insolated footen and masonry walls.

Arlen House



Location: 100 Bayview Dr. Sunny Isle Beach, FL 33160. Design time: 2016

About the project: In this 22 story building the scope of work consisted in the removal and replacement of spalled, delaminated and deteriorated concrete, repair of cracked columns and walls, installation of new supports in Joists to wall/beam, installation of new waterproofing system at traffic decks and other areas of the 60,000sf parking garage.

Mimosa Hotel & Spa



Location: 6525 Collins Ave, Miami Beach, FL 33140 Design: 2015 Area: 11,297 square feet

About the project: Design of a 9-story commercial building, Structure framing consisted of auger-cast concrete piles and grade beams foundations, concrete slabs, and concrete column frames with masonry wall panels.

Alexander All Suite Oceanfront Resort



Location: 5225 Collins Ave, Miami Beach, FL 33140.

Design time: 2016

Area: 730 - 1630 Square feet

About the project: In this 17 story building our work was attributed to: 31,072 SQ. FT of balconies and parapets repair; also Concrete columns and damaged stucco repair on all perimeters of concrete beams, eyebrows, window openings and new pool deck repair and re-design.

Diplomat Resort & Spa

EXISTING CONDITION



Location: 3555 S. Ocean Dr. Hollywood, FL 33019 Design time: 2016 Area: 709,504 square feet

About the project: Concrete restoration of approximately 32,000sf pool deck, including shoring and re-shoring plans for demolition and rebuild of columns and transfer beams supporting the pool repair.

Arlo Hotel - Roof Top Structure





Location: 11 E 31st St New York, NY 10016 Design time: 2017 Area: 1,800 Square feet About the project: The set of structural plans includes the structural design of a metal roof with a system of retractable awnings on the rooftop of an existing building of thirty-one levels.

Demolition Of A 1-Story & A 3-Story Building



Location: 208 E 119th St, New York. Design time: 2017

About the project: The set of plans includes the means and methods for the demolition phases, security and protection methods for adjacent properties, safety zone plans and all the necessary specifications notes to warrant a proper and safe demolition process and allow the new design of a 5 story building.

Structural Repairs





Location: 1090 Greene Ave. Brooklyn, New York 11221 Design time: 2017 Area: 1,800 Square feet

About the project: The set of structural plans included the underpinning of the perimeter basement walls, the installation of new transfer beams and columns and the necessary shoring plans for the bearing wall removal.



Offering more than 100 years of collective experience in Structural Design and Construction Management in the States of Florida and New York.

- Structural Steel Welding
- Structural Steel Details
- Structural Cold Formed Steel
- Concrete Cast-in-Place
- Concrete Precast
- Concrete Prestressed
- Masonry
- Wood Installation of High Load Diaphragms Wood

- Installation of Metal Plate -Connected Trusses
- Vertical Masonry Foundation Elements
- Wall Panels, Curtain Walls, and Veneers
- Structural Stability Existing Buildings
- Excavations
- Underpinning
- Mechanical Demolition

<u>Miami</u>

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