



BUILDING ENVELOPE

CONSULTING & INSPECTION





ABOUT US

Since our founding in 2010, Paramount Consulting & Engineering LLC (Paramount CE) has been synonymous with expert solutions. Our core services include building envelope design, consulting, testing and special inspections, as well as structural design and threshold inspections. Paramount CE has become an invaluable asset to clients across Greater Miami.

With more than 4,000+ project completed and in progress and a strong presence across Florida and the Caribbean, our success is the result of our understanding the unique needs and objectives of every client, which includes developers, architects, general contractors, property managers, attorneys and homeowners. We work diligently to find the most effective and economical solutions to all building envelope and water intrusion issues.



OUR SERVICES

CONSULTING SERVICES: Our staff will review, critique and provide recommendations on the selection and design of building envelope components.

ENGINEERING ANALYSIS & DESIGN: Our Professional Engineers are versed through experience and training in the structural analysis, design and development of building envelope components. Our staff will maintain the necessary lines of communication with our clients to ensure that their needs are satisfied fully and on time.

EXPERT OPINION, DEPOSITION, & WITNESS TESTIMONY: Our staff will provide expert opinion and deposition for litigation cases involving the building envelope. We will perform a preliminary review of the existing documents, establish the inherent defects in the design and possible reasons for failure, and generate a report highlighting our observations and findings. Our staff will pinpoint the areas of the cladding system(s) that are potential failures and recommend testing.



FIELD & SHOP INSPECTION: Our staff monitors installation and verifies compliance with all project permit documents, specifications, test reports and local codes. We then issue a report based on our observations, including any noted deficiencies, and follow up on whether corrective action was taken.

SPECIAL INSPECTION: Our staff performs Special Inspections on specialty construction projects as required by the Florida Building Code. We monitor installation and verify that it complies with permit documents. Upon completion, we provide a Statement of Inspection signed and sealed by a Registered Florida PE.

THRESHOLD INSPECTION: Our staff performs structural inspections on Threshold Buildings as required by the Florida Building Code. These periodic inspections are conducted in a timely manner, according to the client's needs, to ensure there are no delays in the completion of the project.

FORENSIC INVESTIGATION: Our staff helps determine the causes and effects of construction defects or damages that result in breaches to the building envelope and damage to interior components or property. We then assist in repair planning to ensure that damaged or defective components are brought up to the required standards and all breaches are corrected.



GLASS & GLAZING

CONSULTING • INSPECTION • CHAMBER TESTING • HOSE TESTING

With extensive knowledge of industry standards and special expertise in South Florida hurricane-resistant building codes, our team can provide dependable guidance on which glazing systems and materials will best support your project – aesthetically, structurally and budgetarily, while also keeping occupants safe from hurricanes.



- Installation Components
- Quality Control
- Special Inspection Services
- Re-glazing

- Railing Installation
- Assembly Failures
- Damaged Assemblies
- Perimeter Anchorage & Sealant



EXTERIOR WALL & ROOFING

CONSULTING • INSPECTION • CONCRETE RESTORATION

From cement to stucco, paint, stone, wood or any architectural veneers, our expertise guarantees that client projects will stand up to water infiltration while maintaining aesthetic appeal and structural integrity, as required by Building Codes and Industry Standards. We incorporate ASTM and AAMA standardized testing methods to find the exact source of the problem and provide product recommendations, details and specifications, which are tailored to the unique characteristics of project, on-site conditions and budget.



EXTERIOR WALL

- Stucco Installation
- Paint Installation
- Stucco Core Samples
- Concrete Restorations
- Paint Thickness



ROOFING

- Quality Assurance
- Re-Roofing
- In Progress Inspections
- Warranty Requirements are met





WATERPROOFING

CONSULTING • INSPECTION • FORENSIC INVESTIGATION

As forensic consultants and engineers, our extensive experience in water intrusion allows us to identify what works and what is missing from your project's moisture protection systems. Early detection of potential problems, as well as the incorporation of solutions at the design phase, can result in significant savings of both time and money. Let us analyze your project plan or existing property so that you can operate with confidence.



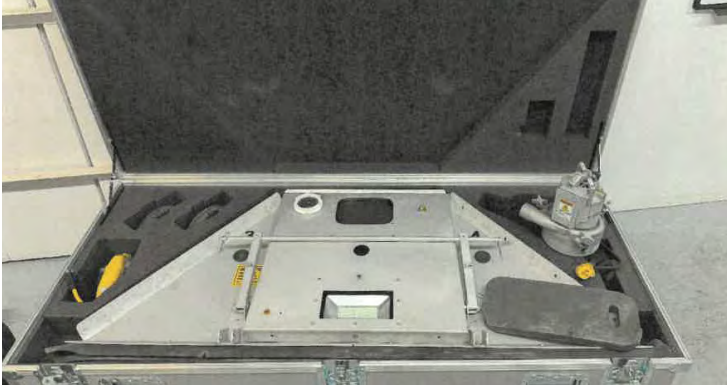
- Water Intrusion
- Penetration Leaks
- Flood Testing
- Forensic Investigation
- Condition Assessments

- Hot Applied Waterproofing
- Cold Applied Deck Coating
- Perimeter Wall
- Foundation Encapsulation

SPECIALIZED TESTING

NEGATIVE PRESSURE CANON MODEL 500 UPLIFT CHAMBER

Building Code: TAS-124



PULL OFF TEST

Standard: ASTM C1583



PULL TEST

Standard: ASTM C1860-21



IMPEDANCE ROOF MOISTURE SURVEYOR

Standard: ASTM D7954/D7954M 15a



INFILTRATION & DUCT LEAKAGE

FL Building Code: Form R405-2017

POSI TEST AIR LEAK TESTER

Standard: E1186-22





FEATURED PROJECTS

Paramount CE has been a vital partner in the development of a wide range of building projects, both within and outside of the U.S. Our experience includes such notable projects as Aston Martin Residences, One Thousand Museum, Waldorf Astoria, Una Residences, Missoni Residences and many others.

With more than 25 years of experience, we offer our clients peace of mind that their projects will perform to the highest industry standards for safety, design and functionality.



ASTON MARTIN RESIDENCES

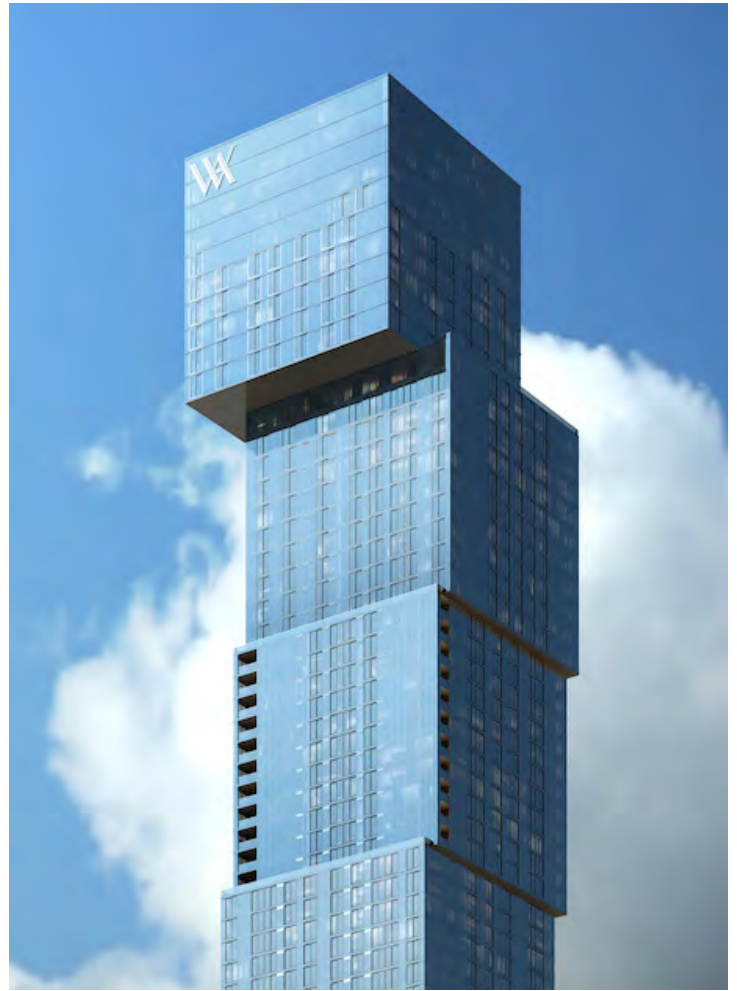
The Aston Martin Residences at 300 Biscayne Boulevard Way meld timeless design and exacting craftsmanship with an ideal location, to create Miami's most coveted address. Situated on the last parcel of waterfront land in Miami, this majestic residential building is a symphony of curvilinear glass and steel, soaring 66 stories high. A warm welcome awaits in the luxurious lobby areas, where Aston Martin's design philosophy of perfect proportions and authentic materials is evident, along with traditions of quality, distinctiveness, timelessness and elegance.



ONE THOUSAND MUSEUM

One Thousand Museum is one of the most iconic new buildings in the Miami skyline, with luxury condos that magnify the living experience with breathtaking views of Biscayne Bay, the Atlantic Ocean, Miami Beach and more. Living rooms, bedrooms and entertainment spaces have all been designed with east-to-west, flow-through floor plans to capture this mesmerizing panorama.

One Thousand Museum is the essence of an unprecedented fusion of art, architecture, design, location and luxury living in Downtown Miami.



WALDORF ASTORIA

Waldorf Astoria Miami introduces the city to one of the most prestigious luxury hotel brands in the world, owned by Hilton Hotels. The tower offers 100 floors of residences designed by famed architect Carlos Ott, with the help of Sieger Suarez.

The building resembles a pile of unevenly stacked glass cubes. At 1,049 feet tall, Waldorf Astoria Hotel and Residences Miami is Miami's tallest tower and its first super tall skyscraper. Residences enjoy dramatic views of Biscayne Bay, the Port of Miami, Brickell Avenue, Downtown Miami, Key Biscayne and South Beach.



UNA

Inspired by classic yacht design and its bay front setting, Una sets the standard for Brickell waterfront living with visionary design, inviting gardens and unrivaled views of Biscayne Bay.

Brought to life by Adrian Smith + Gordon Gill Architecture, OKO Group and Cain International, Una offers 135 luxury condominium residences with floor-to-ceiling glass, expansive terraces, and an array of amenities, including three pools and private boat slips.

“At its best, property development uses the language of architecture to embody the spirit of the times, the spirit of the city, and the aesthetics of a given urban environment.” - Vladislav Doronin, CEO & Chairman, OKO Group



MISSONI

Missoni Baia's 249 Edgewater condominium residences celebrate the timeless appeal of waterfront living in relaxed, modern style. It cuts a prominent figure on the Miami skyline and on East Edgewater's waterfront. Missoni Baia soars 57 floors into the air and spans an impressive 200 feet along Biscayne Bay.

With its forward-thinking, high-performance design by acclaimed international firm Asymptote Architecture, Missoni Baia's new luxury Edgewater condos capture the Missoni spirit of innovation and imagination. It's like no other residential tower in Miami.



ELYSEE

Internationally renowned architect Bernardo Fort-Brescia, co-founder of Arquitectonica, has designed a striking, three-tiered telescope tower that optimizes privacy and views from every residence. At 57 stories, Elysee's signature silhouette stands apart on the skyline as the area's most distinctive new address.

"At first sight the tower feels daring and maybe even whimsical when in fact it is a monument to rationality." - Bernardo Fort-Brescia

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