



About Us

McLaren Engineering Group is a leading full-service engineering firm renowned for its trusted, high quality, and innovative approach to solving complex challenges. With industry experts in multiple technical disciplines, our team has provided customized solutions for over 20,000 projects through consultation, design, inspection, and construction management. With over four decades of experience, a staff of 200+, and 11 offices worldwide, McLaren addresses every project's specific needs with technical excellence and creative innovation.

49 STATES LICENSED 20k+

46
YEARS OF APPLIED INGENUITY

OFFICES WORLDWIDE



Core Technical Divisions

STRUCTURAL | CIVIL + SITE | MARINE + COASTAL | BRIDGE, HIGHWAY + RAIL

ENTERTAINMENT | GEOTECHNICAL | FACADE + BUILDING ENVELOPE CONSTRUCTION ENGINEERING | FORENSICS | SURVEY + MAPPING



FACADE + ENVELOPE ENGINEERING

McLaren's Façade Engineering services focus on the building envelope - the largest, most important element in the technical performance and overall aesthetic of any structure.

Built on a foundation of construction engineering knowledge and structural understanding, our unique capabilities help engineer building enclosure projects of every size, shape, and complexity, from consultation and design, to final punchlist inspection.

Our dedicated, client-focused Façade Design team of engineers, architects, and specialists, develop innovative, project-specific solutions to helping improve constructability, maximize energy efficiency, improve security, and support the owner and architect's vision.

- 1. BUILDING ENVELOPE CONSULTATION
- 2. DELEGATED DESIGN +
 SPECIALTY STRUCTURES
- 3. GLAZING + MULLIONS
- 4. METAL PANELS + CLADDING
- 5. INSPECTION, INVESTIGATION
 + REMEDIATION

BUILDING ENVELOPE CONSULTATION

With a diverse portfolio of projects and knowledge of various material types, McLaren's building envelope engineers provide consultation services with accurate and creative solutions.

Our team of experts take into consideration the complexities associated with building movements, installation requirements, thermal and condensation performance, and installation sequencing to support superior building envelope functionality, constructability, and resiliency.

SPECIFICATION & DESIGN CRITERIA

THERMAL & CONDENSATION PERFORMANCE REVIEW

WATERPROOFING DETAILING

STRUCTURAL ENGINEERING

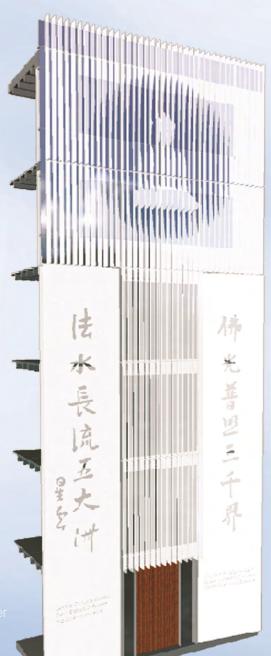
BID REVIEW & CONSTRUCTION ADMINISTRATION SUPPORT

BUILDING ENVELOPE PRODUCT CODE REVIEW + RENEWAL SERVICES

ENGINEERING JUDGEMENT (EJ) FOR SPECIFIC CONDITIONS

SAFETY TIE OFF SYSTEMS ENGINEERING

DESIGN SUPPORT: SCHEMATIC DESIGN, DESIGN DEVELOPMENT & CONSTRUCTION DOCUMENTS





TWA TERMINAL HOTEL



HAYDEN PLANETARIUM



GOLDMAN SACHS CANOPY



LAGUARDIA AIRPORT CTB RENOVATION



239 TENTH AVENUE



1 WORLD TRADE CENTER



DELEGATED DESIGN + SPECIALTY GLASS

The ability to solve complex challenges from all angles helps our facade engineering team made up of delegated design experts provide high-quality design and installation solutions. Through specialty analysis, state-of-the-art material research, design aesthetics, constructability, and client specifications our team has engineered curtain walls, feature walls, canopies, and specialty glass structures around the world.

Taking into account erection methods, durability, and maintenance, our facade engineers work collaboratively with our clients to provide innovative systems that last and meet all project goals.

STRUCTURAL GLASS SYSTEM DESIGNS

GLASS & MULLION DESIGN

CONNECTION DESIGN

METAL PANELS & CLADDING

BLAST ENGINEERING & DESIGN

FLOOD VENTS NET AREA CALCULATION

SHOP DRAWINGS





COLUMBIA BUSINESS SCHOOL, MANHATTANVILLE CAMPUS-CUSTOM CURTAIN WALL



VIRGIN HOTEL UNITIZED CURTAIN WALL



200 E 21ST STREET GLASS FIBER REINFORCED CONCRETE FACADE



500 W 25TH STREET STONE FACADE



AMERICAN WATER HEADQUARTERS
METAL PANEL FACADE



GOLDMAN SACHS CANOPY



GLAZING + MULLIONS ENGINEERING

Our facade engineering team has the capability to recognize and respond to design and installation challenges with a unique staff of expert architects and engineers.

Having worked on hundreds of projects including curtain walls, canopies and glass structures, we work collaboratively with clients to provide systems that last, deliver on all of the project's goals, and take into account erection methods, durability, and maintenance.

In addition to design and engineering of glass and mullions, our experts also support superior building envelope functionality, constructability, and resiliency.

STATIC & DYNAMIC BLAST ANALYSIS

THERMAL & CONDENSATION ANALYSIS

DESIGN ASSIST

BALANCED DESIGN FOR GLASS + MULLIONS

CONNECTION DESIGN

LOAD / SPAN TABLES

BATTEN & LOUVER DESIGN





195 BROADWAY STRUCTURAL GLASS WALL, NYC



BOSTON CHILDREN'S HOSPITAL PEDESTRIAN SKYWAY



THE HOUSE AT CORNELL TECH PASSIVE HOUSE GLAZING, NYC



560 LEXINGTON AVE CURVED GLASS, NYC



101 SEAPORT CABLE MULLION WALL, BOSTON



NATIONAL AQUARIUM BALTIMORE RAINFOREST GLASS FACADE



METAL PANELS + CLADDING

The structural design possibilities of metal are endless, and when done correctly, can result in a beautiful aesthetic which is highly durable and low maintenance.

From light gage metal framing to intricate metal facades, McLaren's cladding specialists understand the capabilities and challenges of working with various metal mediums and can provide a variety of services to complement any project. Whether the project calls for flat systems or insulated walls, ACM or copper, we specialize in custom building envelope solutions.

In addition to design and engineering of metal panels and cladding systems, our experts also support superior building envelope functionality, constructability, and resiliency.

METAL PANELS

CUSTOM CLADDING

ACM + HONEYCOMB

ARCHITECTURAL METALS

MASONRY, STONE, PRECAST PANEL + GFRC

PHENOLIC PANELS SYSTEMS

THERMAL + CONDENSATION ANALYSIS

WATERPROOFING DETAILING

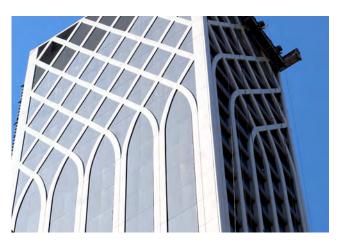




NATIONAL PURPLE HEART HALL OF HONOR



138 WILLOUGHBY STREET (RENDERING)



30 EAST 31ST STREET, NYC



15 HUDSON YARDS SKYTOP



10 HUDSON YARDS, NYC



1101 OCEAN AVE, ASBURY PARK



INSPECTION, INVESTIGATION + REMEDIATION

By analyzing project-specific design details and performance requirements, our team performs building envelope inspection, investigation, and remediation services.

With a unique knowledge of structural and construction engineering principles, along with the resources of a talented inhouse surveying group, McLaren provides comprehensive support throughout the project lifecycle.

We are also a Class I certified special inspection group for curtain wall and facade systems.

NYC BC 1704.10 SPECIAL INSPECTIONS

LEAK INVESTIGATION

FORENSIC INVESTIGATION

ROOFING INVESTIGATION

RECOMMENDATIONS FOR REMEDIATION OF DEFICIENT SYSTEMS

SPRAT CERTIFIED ROPE INSPECTION

DRONE INSPECTION

STRUCTURAL WATERPROOFING

TDI REGULATIONS REVIEW & INSPECTION







NATIONAL AQUARIUM ENVELOPE INSPECTION



111 VARICK SPECIAL INSPECTIONS



YONKERS FIREHOUSE FACADE INSPECTION



COLLEGE PARK COMMUNITY CENTER FORENSIC FACADE INSPECTION



BROOKLYN STEEL ENVELOPE CONDITION ASSESSMENT



HISTORIC JAMAICA STATION BUILDING EXTERIOR CONDITION ASSESSMENT





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