

STRUCTURAL ENGINEERING



Photo Credit: Alistair Tutton Photography



McLaren
ENGINEERING GROUP



McLaren Engineering Group – Headquarters
530 Chestnut Ridge Road, Woodcliff Lake, NJ 07677
Ph. 1-800-420-6401

49
STATES
LICENSED

20k+
PROJECTS
COMPLETED

45
YEARS OF
APPLIED INGENUITY

11
OFFICES
WORLDWIDE



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.



DAVID MCLAREN, PE
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Core Technical Divisions

STRUCTURAL | CIVIL + SITE | MARINE + COASTAL | BRIDGE, HIGHWAY + RAIL
ENTERTAINMENT | GEOTECHNICAL | FACADE + BUILDING ENVELOPE
CONSTRUCTION ENGINEERING | FORENSICS | SURVEY + MAPPING



164 Kent - NYC



STRUCTURAL ENGINEERING

With a wide range of services spanning concept to completion, McLaren's structural engineering group is built on a foundation of technical excellence, cutting-edge capabilities, pragmatic solutions and a sensitivity for aesthetics.

Specializing in both private and public work across 10 distinct markets, our firm delivers industry leading, project-based solutions for structures of every size, shape, scope, material, and complexity.

Our expert structural engineers offer multidisciplinary consulting, analysis, design, and construction phase support that helps clients build more efficiently, cost effectively, and meet all project goals.

NEW CONSTRUCTION
ENGINEERING + DESIGN

ADDITIONS, ALTERATIONS,
RENOVATIONS + REPAIRS

STRUCTURAL INSPECTION +
INVESTIGATION

FACADE + BUILDING
ENVELOPE ENGINEERING

SPECIALTY STRUCTURAL
SERVICES

SUSTAINABILITY + RESILIENCY

www.mgmclaren.com

HIGH-RISE

MID-RISE

LOW-RISE

PODIUM BUILDINGS

LONG SPAN BUILDINGS

PREFABRICATED BUILDINGS

NEW CONSTRUCTION ENGINEERING + DESIGN

Spanning high-rise mixed-use developments to high-performance healthcare facilities, expansive hotel casino complexes, and everything in between, our company has experience building all types of structures from the ground up. McLaren's diverse new construction portfolio includes thousands of structures of varying sizes and each constructed with distinct materials. From traditional to avant-garde, we offer advanced design-build capabilities and value engineering solutions across 10 distinct markets to best support our clients' unique needs.



416 + 420 Kent Mixed Use - NYC

APPLIED INGENUITY



QUIN + LENNOX MIXED-USE RESIDENTIAL - NJ



LIVE! MARYLAND CASINO + HOTEL - MD



3 LIGHT MIXED-USE RESIDENTIAL - MO



THE PENNANT MIXED-USE APARTMENTS - MD



BALDWIN HARBOR LUXURY APARTMENTS - FL



THE SMYTH MIXED-USE - CT

ADAPTIVE RE-USE
VERTICAL EXPANSIONS +
ADDITIONS
TENANT FIT-OUTS + RETROFITS
RENOVATIONS
HISTORIC PRESERVATION
REPAIR + RESTORATION

ADDITIONS, ALTERATIONS, REPAIRS + RENOVATIONS

The most successful renovation and alteration projects are engineered with structural expertise, code compliance, and occupancy needs in mind. McLaren's extensive work in structural modification utilizes creative adaptive solutions and technology to best construct efficient space changes.



APPLIED INGENUITY



WWE CORPORATE FIT OUT - CT



RUMBLE FITNESS RETAIL FIT OUT - PA



INMAR CORPORATE HEADQUARTERS
ADAPTIVE REUSE - NC



BALESCO THEATER HISTORIC PRESERVATION
RESTORATION - NYC



APPRAISER'S BUILDING ADAPTIVE REUSE - MD



195 BROADWAY HISTORIC LOBBY
RENOVATION - NYC

STRUCTURAL CONDITION
ASSESSMENTS
(PER ASTM E2018-015)

SPECIAL INSPECTIONS

CODE COMPLIANCE
REVIEWS + INSPECTIONS

INSURANCE CLAIMS

BUILDING MONITORING

SURVEY, SCANNING +
MAPPING

FORENSIC INVESTIGATION

LOAD RATINGS

SPRAT CERTIFIED ROPE
ACCESS INSPECTIONS

INVESTIGATION + INSPECTION

Building structures can deteriorate or fail in a variety of ways throughout their lifecycle. Our detailed investigation and inspection services can identify structural damage, perform root cause analysis, and help provide remediation support.



APPLIED INGENUITY



111 VARICK SPECIAL INSPECTIONS - NYC



CULTURAL CENTER BUILDING CODE
ASSESSMENTS - MD



COLLEGE PART COMMUNITY CENTER FORENSIC
INVESTIGATION - FL



STEVENS INSTITUTE OF TECHNOLOGY BUILDING
CODE ASSESSMENTS - NJ



STRUCTURAL ON CALL CITY OF YONKERS
FIRE HOUSES - NY



NATHANS HOT DOG CONTEST STAGE
STRUCTURAL INSPECTIONS - NYC

BUILDING ENVELOPE CONSULTING
FACADE DELEGATED DESIGN
SPECIALTY GLASS ENGINEERING
INSPECTIONS, INVESTIGATION +
REMEDATION

FACADE + BUILDING ENVELOPE ENGINEERING

McLaren's facade engineering services focus on the largest, most important factor in the technical performance and overall aesthetic of any structure, the building envelope. Our specialized engineers are skilled in the interdependence of envelope elements throughout the building's life cycle and aim to improve constructability, maximize energy efficiency, strengthen security, and enhance architectural vision.

520 W. 28th Street Metal Façade - Zaha Hadid - NYC

APPLIED INGENUITY



HAYDEN PLANETARIUM GLASS
CURTAIN WALL - NYC



1901 MARKET STREET CLADDING
ACCENT WALL - PA



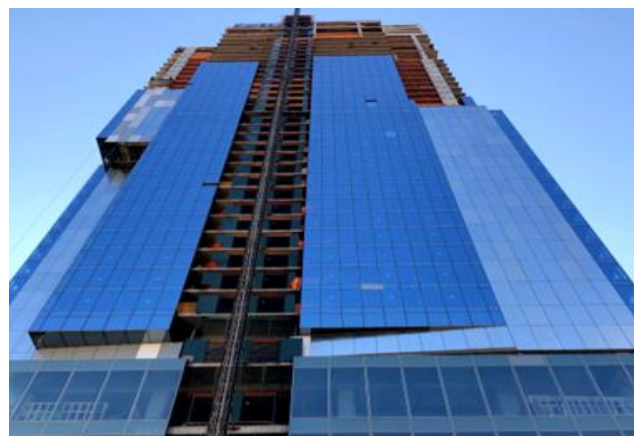
560 LEXINGTON AVE
CURVED GLASS - NYC



LAGUARDIA AIRPORT CTB RENOVATION - NYC



AMERICAN WATER HEADQUARTERS
METAL PANEL FACADE - NJ



VIRGIN HOTEL UNITIZED CURTAIN WALL - NYC



McLaren
ENGINEERING GROUP

BLAST DESIGN

ASSET MANAGEMENT SERVICES

PARKING CONSULTING

FORENSIC INVESTIGATION +
EXPERT WITNESS TESTIMONY

PEER REVIEW

POST DISASTER EMERGENCY
RESPONSE (ATC-20 AND ATC-45
INSPECTIONS)

SPECIALTY STRUCTURAL SERVICES

The ability to solve complex challenges from all angles helps our team provide high-quality specialty structural services. Skilled in all aspects of multi-phase structural engineering, our services have evolved to better support the needs of our clients.

APPLIED INGENUITY



GETTY 239 TENTH AVE CURTAIN WALL
PEER REVIEW - NYC



EQUITABLE BUILDING MIXED USE CONVERSION
PEER REVIEW - MD



PIER 5 COLUMBUS CENTER
PARKING GARAGE - MD



I 40 BRIDGE COLLAPSE FORENSIC ENGINEERING
AND EXPERT TESTIMONY - OK



SUPERSTORM SANDY DEBRIS INSPECTION - NY



WINTER VILLAGE AT BRYANT PARK
SPECIAL INSPECTIONS - NYC

BLUE ROOFS

GREEN ROOFS

LEED CERTIFICATION

SOLAR ROOFTOPS, CARPORTS +
FARMS

WIND ENERGY

FLOOD RISK ASSESSMENT +
MITIGATION

SUSTAINABILITY + RESILIENCY

At McLaren, we understand sustainable building strategies can create structures that are higher performing and help make a positive impact on our communities. We are committed to helping our clients build greener and adapt to carbon reducing guidelines.

APPLIED INGENUITY



PRUDENTIAL SOLAR CARPORT - NJ



THE HOUSE AT CORNELL TECH
LEED PASSIVE HOUSE GLAZING - NY



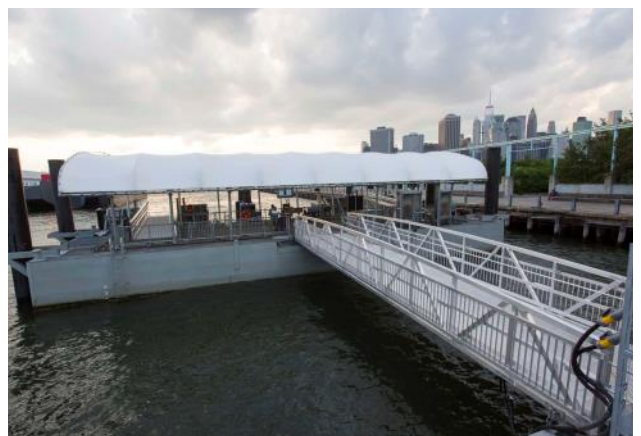
BROOKLYN STEEL GREEN ROOF - NYC



OFFSHORE WIND + NEARSHORE FACILITY SUPPORT
NORTHEAST USA



NATIONAL AQUARIUM FLOATING WETLAND
STRUCTURAL DESIGN - MD



NYC FERRY SYSTEM RESILIENT
LANDING DESIGN - NYC



NEW JERSEY (HEADQUARTERS)

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