

ENGINEERS &  
ARCHITECTS

# O&S Engineers & Architects

Building Solutions for Our Clients Since 1996



[www.oandsassociates.com](http://www.oandsassociates.com)



O&S is a full-service architecture and engineering consulting and design corporation. We are an MBE firm with over 90 Engineers and Architects.

We have provided architectural and engineering services to both public and private entities around the country for hospitals, residential buildings, office parks, schools, airports, industrial buildings, shopping centers, and warehouses.

Our services include building envelopes, façade restoration, façade law inspections, roofing, windows, plazas and public spaces, parking structures, waterproofing, fire protection, lighting design, paving and site civil restoration, HVAC assessments and design and energy studies and retro-commissioning.



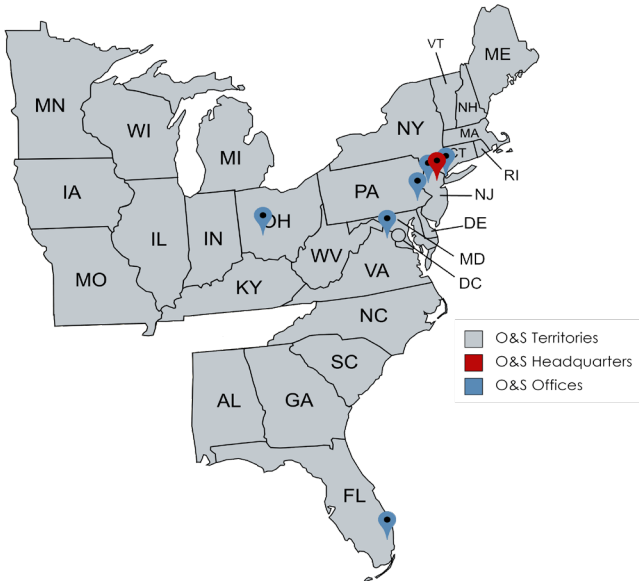
1 President



4 Principals



90 Associates



### Multi-Disciplinary

Structural, Architectural, Mechanical, Electrical, Plumbing, HVAC & Civil



### Proud Clients

Served Over 1,200 Clients of Both Private and Public Sectors



### Industry Leading Execution

Performs A/E Services on Over 200 Projects Per Year with Construction Value Over \$150 million



### Sustainability

A leader in the fields of sustainability and climate change resiliency



### Proven Reputation

“Their diligence, energy, and consistency as our project engineer also made them a standout, so we recommend them very highly.”



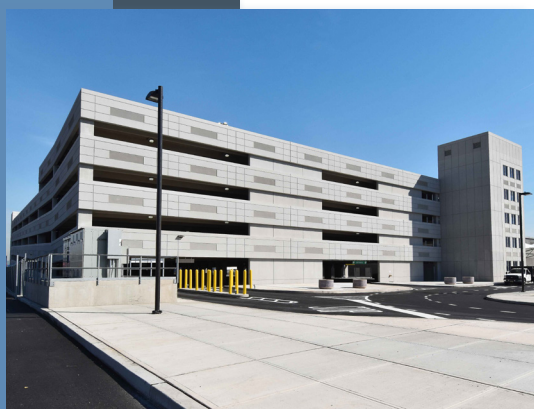
# O&S's **commitment to excellence** is magnified through our **management approach** to projects.



For New York City Housing Authority, O&S provided services for façade repairs, roofing system replacement, installation of new water tanks, window replacement, and curtain wall replacement for over 300 buildings in 70 different developments. These occupied buildings varied from 5 stories to 25 stories.



O&S was hired to design the roof deck, skylights, and roofing systems for Mumbai's Shivaji Maharaj International Airport Terminal 2. The total roofing installed under this project was more than 1.2 million SF at a construction cost of more than \$18.7 million. The project featured more than 274 skylights that ranged in size from 260–7,500 square feet each.



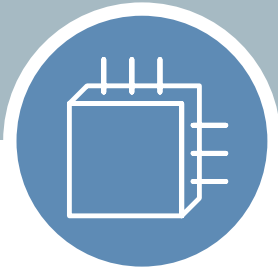
O&S designed a 900-space parking garage for Royal Caribbean and Port Authority of NY & NJ at Cape Liberty Cruise Port. The Garage has a 3-bay precast structure using a single center ramp with two-way traffic and a one-way traffic pattern on the outside bays, featuring two stair and elevator towers, five lanes of ingress and egress, and PARCS revenue control system.



As part of a \$375 million project, O&S provided for SUNY Stony Brook fire protection, fire alarm, electrical, and civil engineering and surveying, for a new eight-story 240,000 SF research building and new 225,000 SF eight-story bed and clinical support tower. The MART Building contains clinical space, wet and dry laboratories, education, office, and conference facilities.



## Our Services



### Structural

- Parking Structure Design & Restoration
- Structural Condition Assessments
- Façade/Structural Inspections
- Transition Studies
- Reserve Studies
- Construction Cost Estimating
- Third Party Reviews
- Design Criteria Development
- Value Engineering
- Constructability Reviews
- Vertical Expansion
- Durability Consulting
- Construction Management
- Upgrades
- Seismic Retrofit
- Forensic Analysis
- Expert Testimony
- Change of Use or Occupancy Design



### Architectural

- New Building Design
- Parking Structure Design
- Interior Design
- Curtain, Window Wall & Window Replacement
- Zoning Analysis
- Expansion/Additions
- Owner's Agent
- Peer Review
- Lighting Design
- Wayfinding Signage
- Graphic Design
- Vegetated/Green Rooftops
- Solar Panel Rooftops
- Light Pollution Reduction Design
- Low/No VOC Materials
- Bicycle & Shared Use Vehicles
- Hurricane Resistance
- Energy Code Compliance Documents
- Handicap Accessible Building Design
- Flood Protection Design
- Industrial Building Design & Renovation



### Civil

- Industrial, Commercial & Residential Site Design
- Paving & Parking Lot Design & Rehabilitation
- Stormwater Quality & Quantity Analysis & Management Design
- Flood Control Improvements
- Hydrology, Hydraulic Studies & Modeling
- Drainage Improvements
- Utility Assessment, Study & Design
- Feasibility Studies, Conceptual Planning & Design
- Site Development, Code Analysis & Permitting
- Value Engineering & Cost Estimates
- Brownfield Redevelopment
- SWPPP Preparation & Permitting
- Soil Erosion and Sediment Control Design & Permitting
- Accessible Parking & Route Design



## Our Services



### Electrical

- Electrical Vehicle Stations
- Solar (Photovoltaic Cell) Design
- Medium & Low Voltage Switchgear
- Security & Intrusion Alarm Systems
- AC & DC Motors and Motor Control Centers
- Voice & Data Communications Systems
- Pad Mounted Transformers
- ASHRAE Lighting Design
- Process Instrumentation & Control
- Computer Rooms & UPS Systems
- E-Rate Program
- Load Studies
- Emergency Generators
- Lightning Protection and Grounding
- Auxiliary Radio Communication System
- Industrial, Commercial and Institutional Power Distribution
- Fire Alarm & Carbon Monoxide Systems



### HVAC

- Automatic Temperature Controls (DDC) Including Building Management Systems
- Energy Conservation/ Energy Recovery and Analysis, LEED Design
- Pneumatic Temperature Control with DDC Interface Fuel Oil Tanks & Piping
- Cooling Tower
- Air Conditioning
- Refrigeration
- Noise and Vibration
- Life Cycle Analysis
- Cost Estimates
- Standard & Specialized Ventilation
- Heating Systems (Steam & Hydronic)
- Steam Pressure Reducing Valve System
- Specialized Air Conditioning (Computer & Clean Rooms, etc.)
- Condition Surveys



### Plumbing/FP

- Sanitary, Vent & Storm Piping
- Central Acid Neutralization System
- Central Air & Vacuum
- Oil & Grease Interception
- Compressed Air
- Clean Rooms
- Laboratory Piping
- Gas Fuel Design
- Medical Gases
- Sump Pumps
- RPZ and Water Meters
- Medical Gases
- Sewage Ejectors
- Water Booster Pumps
- Hot & Cold Water
- Fire Mains
- Specialized Fire Suppression Systems
- Wet & Dry Sprinkler Systems
- Hydraulic Calculations
- Seismic Requirements
- Pumps, Standpipes & Hydrants
- Water Storage Tanks
- Fire Alarm Interface



**Contact us at:**

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