



Bildworx Design

Engineering Consulting Services

www.bildworx.com

info@bildworx.com

(954) 933-8246

Certified WBE, SBE/CBE Firm

MEP Engineering • Specialty Lighting • Technology Systems

At Bildworx Design, our experienced team of engineering professionals provides tailored solutions for the architecture and construction industry.

PORTFOLIO



Boca Raton Golf and Tennis Country Club

The City of Boca Raton Golf and Racquet Club consists of an 18-hole golf course, tennis center, and other amenities. The Country Club, a two-story building of over 50,000 SF, is approximately 35 years old. Bildworx Design provided MEP services for multiple renovation projects.

Scope included:

- Extensive field evaluation of existing distributed HVAC systems with report for recommended repairs and replacements.
- HVAC Concept Design for complete replacement with new centralized chilled water system for better performance, energy efficiency, and maintenance.
- Power distribution and lighting design for outdoor parking lots and new employee office trailer.



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Three Flamingos Equestrian Property

The Three Flamingos is a \$13M private property of 27,224 sq. ft. located in the equestrian capital of Wellington, FL. Mixed-occupancy buildings within the property required complete interior renovations. Bildworx Design performed MEP engineering design services to office, residential, and horse stable areas.

Design scope included:

- Multiple new indoor and outdoor kitchens requiring HVAC, power distribution, and plumbing design.
- New staff quarters requiring HVAC, power distribution, and plumbing design.
- Lighting design coordination throughout the space.



Boca Raton Traffic Engineering Division

The City of Boca Raton Municipal Services building also houses the city's Traffic Engineering Division, consisting of a suite of offices and dispatch stations. The entire 5,980 sq. ft. suite required renovation.

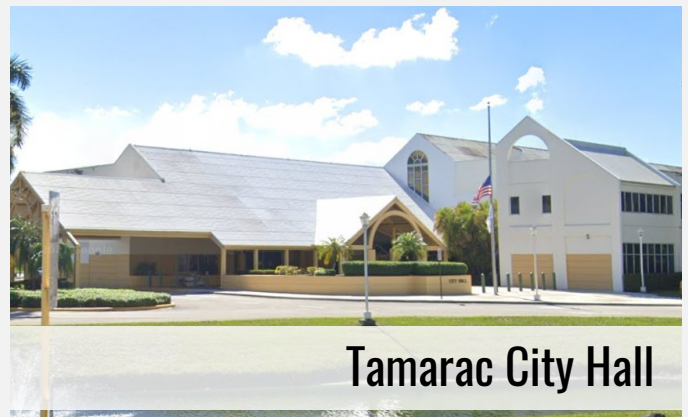
Design scope included:

- HVAC, power distribution, and plumbing design for reconfiguration of the suite to include multiple offices, traffic monitoring room, breakroom, and conference room.

SPECIALTY LIGHTING



Four Seasons Surf Club - Valet Area



Tamarac City Hall

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City of Sunrise Civic Center Theater and Art Gallery

The City of Sunrise Civic Center Theater and Art Gallery, a \$27 million, 80,000 sq. ft. complex, houses a variety of community activities, including a theater, art gallery, and common areas. The facility is over 20 years old and had been experiencing HVAC temperature and humidity issues for some time. Bildworx Design coordinated an extensive evaluation of the West Wing in order to identify the problems and to provide city representatives with possible recommendations. Bildworx Design provided services in a two-phased approach.

Scope included:

- Phase 1 consisted of an extensive evaluation of the West Wing to identify problems and to provide city representatives with possible recommendations. The scope included investigating and documenting existing field conditions of HVAC systems, coordinating a test and balance study, 30-day temperature and humidity data monitoring, providing engineering analysis, and presenting recommendations to the city.
- Phase 2 consisted of providing a complete redesign of the West Wing HVAC systems, BMS control system and sequence operation, specification of new HVAC equipment, and engineering calculations. The scope also included a redesign of the Fire Alarm systems for both the East and West Wing buildings. This project involved close coordination with city representatives and preferred city vendors to ensure optimal design and construction cost reduction.

MARKETS

Commercial
Institutional
Government
Industrial
Aviation
Aerospace
Healthcare
Mission Critical



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City of Sunrise Village Beach Club

The City of Sunrise Village Beach Club is a public recreational facility featuring an outdoor pool. Bildworx Design performed MEP engineering design to existing buildings within the 4,500 sq. ft. facility.

Design scope included:

- HVAC renovations in the main building offices and restrooms.
- Design of renovated lifeguard office including new HVAC, power, lighting, and plumbing.



City of Sunrise Roarke Hall

The City of Sunrise Roarke Hall, the city's first recreation hall, features community spaces and an outdoor pool. Bildworx Design performed MEP engineering design for interior and exterior renovations within the 3,200 sq. ft. facility.

Design scope included:

- MEP renovations to the building, parking, and outdoor pool area including new splash pad.
- Design for new gas line for grill, and new outdoor sound system.



Old School Square Center for the Arts

The Old School Square Crest Theater, located in Delray Beach, is a performing arts center housed in a restored 1925 high school, and incorporates exhibition galleries and indoor/outdoor community spaces. Bildworx Design performed MEP engineering design services for interior renovations to multiple areas within the theater.

Design scope included:

- New commercial kitchen requiring HVAC design, including hood exhaust and make up air, power and lighting design, and plumbing design.
- New bar area, new ADA restrooms.
- HVAC and power distribution modifications for renovations within existing lobby, restroom, office.
- Lighting design to improve attendee experience.
- Fire alarm system modifications.

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Whether aiming to create high-end buildings, energy-efficient structures, or cost-effective designs, we are committed to understanding our clients' goals and developing the ideal design solutions for their requirements.



The City of Margate Sports Complex is a sports and recreation facility that includes youth league baseball fields, playground, exercise stations, splash area, and other amenities. As part of a Community Redevelopment Agency initiative, the Complex was expanded with the construction of a new \$3 million multiuse covered sports field, to be used for baseball as well as other youth sports and events, and an adjacent restroom/concession building.

Bildworx Design provided MEP engineering services for the design of the covered sports field, including lighting, power distribution, and ventilation within the large metal structure. In addition, the scope includes MEP design for the new adjacent building with ADA-compliant restrooms and an air-conditioned concession building.



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EXISTING BUILDING RENOVATIONS & TENANT IMPROVEMENTS



City of Plantation Fire Station 2



Quest Diagnostics - Multiple Locations



South Park Rd Warehouse



Memorial Hospital Urology Suite

For more information, visit us at www.bildworx.com



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Healthcare Trust of America Medical Suites

Designing for today's healthcare services within the Victor Farris Building in West Palm Beach, FL required the redesign of MEP systems for multiple medical suites.

Design scope included:

- HVAC, power distribution, and plumbing design for all medical suites.
- New waiting rooms, reception areas, exam rooms, triage areas, labs, offices, breakrooms, and restrooms.

SERVICES

How can we help design your next space?

MEP Engineering

- HVAC Design, Equipment Sizing and Selection
- Energy Efficiency and Consumption
- Power Distribution Design
- Fire Alarm Systems
- Cold/Hot Water Distribution
- Natural Gas Piping Systems

Specialty Lighting Design

- Advanced Lighting Design
- Evaluation of Light Levels, Uniformity, Color Temps
- Modeling and Rendering of Lighting Calculations
- Advanced Lighting Controls
- Energy Code Compliance
- Lighting Evaluation Reports
- Light Trespass Calculations

Technology Systems Design

- Surveillance Systems
- Telecommunication Systems (Phone, Data, VoIP)
- Access Control
- Data Center Infrastructure Design
- Video and Audio Systems
- System Integration



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