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South Pointe Park — Decorative Light Masts with a Purpose



Architects of South Pointe Park in Miami Beach, FL, USA, wanted to add a unique lighting feature in the park to complement the design and feel of the South Beach's Art Deco district. Johnson Architectural Elements were used to provide a solution that would illuminate the park's waterfront trails and add a stunning visual element.

Owner:	City of Miami Beach
Location:	Miami Beach, FL, USA
Architect:	Hargreaves Associates
General Contractor:	MCM Corp.

SPECIFICATIONS

- Eighteen oval-shaped light masts that are 20 ft. tall
- Vee-Wire® with 1 in. support rods and a 3/8 in. slot opening
- Debris screen on the inside of the bottom collar
- Continuous ladder louver with a conduit for lights
- Bolting flange on the bottom of the screen for easy installation
- Thirty-two conical water fountain shrouds.





The 32 conical ellipse-shaped water jet shrouds are 48 in. tall and are made of 316L stainless steel. The shrouds are fitted with bulkheads that allow for an even stream of water to jet out. When the water comes out of the system, it arches over the pathways, creating an ever-changing experience for pedestrians as they walk through the park.

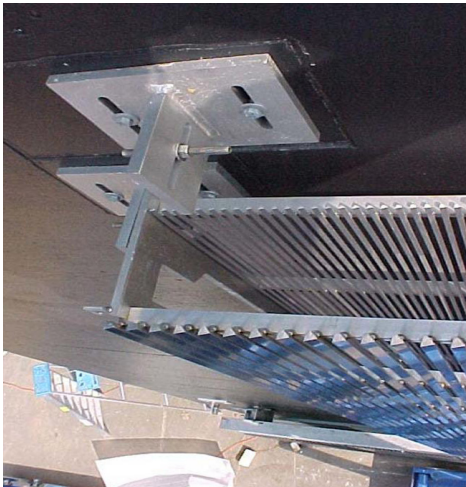


The 18 light masts that line South Pointe Park have metal halide lighting at the top of the masts, and LED lighting at the bottom. Designed with nature in mind, the ladder that runs through the middle of each light mast, shields the white metal halide light from shining out to the sea and affecting sea turtle migration.

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7 World Trade Center — Building from the Ground Up

Needing a building product that would be blast-resistant and able to mask and ventilate a power substation, designers of the 7 World Trade Center in New York, NY, USA, turned to Johnson Architectural Elements to create a stainless exterior panel that would be functional, as well as decorative.

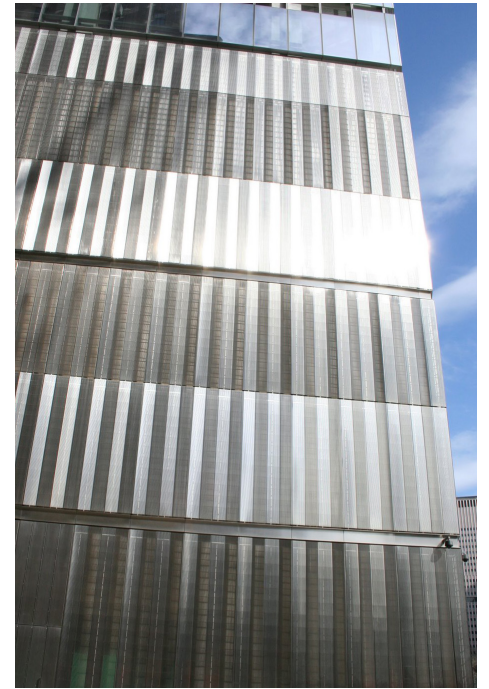


U.S. Patent No. 7,303,078



SPECIFICATIONS

- Exterior double-layered podium panels that provide ventilation for electrical transformers in the lower levels
- 80 ft. tall stainless steel podium wall that is blast-resistant
- LED lights that change from white to cobalt blue and reflect off of the angled wires
- 58,000 sq. ft. of screen
- Exterior layer contains 124 miles of 1/2 in. Tri-Wire and 6.7 miles of 1 in. x 1/4 in. Strip Rod
- Interior layer contains 226 miles of 1/4 in. Tri-Wire and 12.6 miles of 1 in. x 3/8 in. Strip Rod
- Patented dual-screen design with wires in a different orientation to alter the reflectivity of the screen, house a lighting system and integrate a support frame that can connect to the surface of the structure.



“During daylight hours, the outer layer of triangular wire reflects direct and ambient light from the building’s immediate surroundings in a dynamic way. At night, the outer layer of wire becomes a scrim through which the inner layer becomes visible. The LEDs, affixed to the back of the outer layer at the panels’ intersections, project light onto the inner layer of wire. The inner layer of wire is also set at alternating angles. These angles cause the light to be reflected within the cavity and projected back out through the outer wire, amplifying the glowing quality of the light visible on the inner wire’s glass-bead-blasted surface and again visually superseding any view into and through the transformer vaults.”

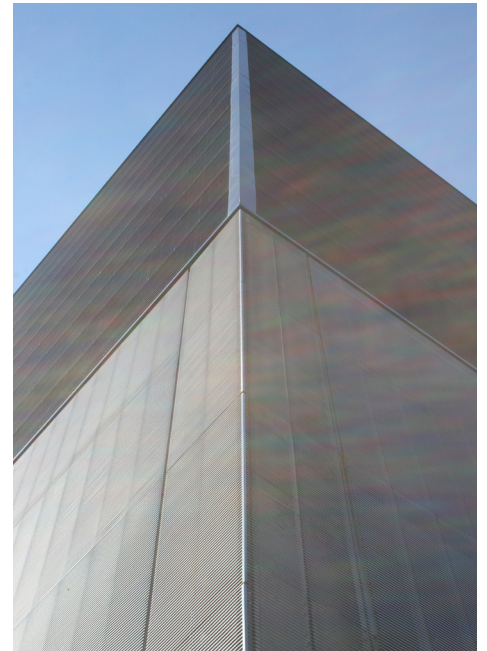
— Podium Wall Designer, James Carpenter “Environmental Refractions”

Owner:	Port Authority of New York and New Jersey
Client:	Silverstein Properties and Consolidated Edison Co.
Location:	New York, NY, USA
Architect:	Skidmore, Owings & Merrill LLP
Construction Manager/ Contractor:	Tishman Construction Corp. of New York
Podium Wall Designer:	James Carpenter Design Associates, Inc.
Cable-Net Wall Engineer:	Schlauch, Bergemann and Partners
Lighting Consultant:	Cline Bettridge, Bernstein Lighting Design, Inc.
Landscape Consultant:	Ken Smith, Landscape Architect
Structural Engineer:	Cantor Seinuk Group

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Guthrie Theater Parking Ramp — Exterior Sun Screen System

The architecture of the new Guthrie Theater parking ramp in Minneapolis, MN, USA, needed to find a building product that was strong enough to keep cars in but also allow carbon monoxide to escape. Johnson Architectural Elements were used to provide a solution that was functional and stylish.



Owner: City of Minneapolis Parking Facilities
Location: Minneapolis, MN, USA
Architect: Architectural Alliance
Design Architect: Ateliers Jean Nouvel
Construction Coordinator: McGough Construction Company
Installer: Jones Sign

SPECIFICATIONS

- 12,500 sq. ft. of screen, six tiers high (30 ft.)
- Large and small door panels provide easy access for cleaning the glass elevator walls
- Screen wires consist of 1/4 in. Tri-Wire, 1/2 in. slot, which has a 66% open area
- Screen rods consist of 1/4 in. x 1 1/2 in. support rods, with 12 in. support rod spacing.



Johnson Architectural Elements designed mounting brackets for the installation so it could be easily adjusted in three directions to better receive the building tolerances. The mounting brackets were attached to the concrete walls with Hilti® anchors to support the weight of the screens. Custom brackets that joined the panels of the screen to the adjoining screens, were used to adjust the panels for alignment, and were tied back to the concrete structure every 10 ft. to counteract wind loading.



Decorative lights were placed behind the screens to create a unique light show for passers-by.

Centre ' Village — Exterior Common Area Improvements Project

Architects of the Centre ' Village development in Minneapolis, MN, USA, developed a Master Plan of improvements for the exterior common areas, which included: landscaping, architecture and environmental graphics. The project included designing custom stainless steel lighting fixtures, surfaces and signage. Stainless steel screens were used to allow the architect to recognize their final vision.



SPECIFICATIONS

- 12 stainless steel cylindrical light masts screen bases – 6 ft. 8 in. tall, 11 in. diameter with a removable sleeve on the base for easy maintenance
- Four-piece column covers, 14 ft. 9 in. tall – mount directly to the concrete column
- Wall screen – 2 ft. x 8 ft. that mounts to the outside of the building
- Stainless steel scrim – 20 ft. x 50 ft.



Owners: Ted Glasrud Associates, Inc.
City Heights Condominium
Offices at Centre ' Village
Centre ' Village Condominium Association
Felcor CSS Holdings, L.P. - Embassy
Suites Hotel
The City of Minneapolis

Location: Minneapolis, MN, USA

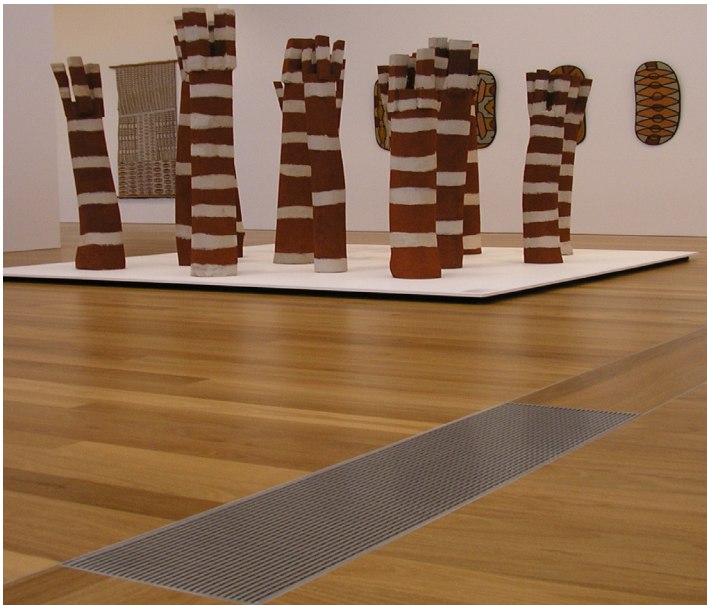
Architect: Conway+Schulte Architects

General Contractor: Lund-Martin Construction, Inc.

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Queensland Gallery of Modern Art — Modern Architecture Matches Modern Art

Architects of the Queensland Gallery of Modern Art in Queensland, Australia, needed to add floor venting grates to the facility for the climate control system. Stainless steel gratings were used for their functionality and the ability to stay true to the look and feel of the architect's design.



SPECIFICATIONS

- Various floor venting grates were placed throughout the gallery, totaling 1,780 ft. of grating
- Grate widths vary from 12 1/2 in. to 27 in.
- 304 stainless steel construction

Owners:	Queensland Government
Location:	Brisbane, Queensland, Australia
Architect:	Architectus
Design Consultant:	ACO Polycrete
Builder:	Bovis Lendlease

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Century College — Column Covers and Accents Add a Distinctive Look to the Computer Center

The architect redesigning the Computer Center at Century College in White Bear Lake, MN, USA, wanted to add a clean, technical feature to the redesigned area that would showcase the modern space. DLR Group used stainless steel column covers and screen accents throughout the space.



SPECIFICATIONS

- Nine column covers that are 16 in. round and 100 in. high were distributed around the perimeter of the room in a radial pattern
- Manufactured as cylinders, the column covers are split and framed for easy installation
- Column covers are mounted to a painted internal flange plate
- Desk screens and the column covers feature 1/4 in. Tri-Wire with 60% open area to allow for visibility of the architect's support design.

Owner: Century College

Location: White Bear Lake, MN, USA

Architect: DLR Group

General Contractor: Jorgenson
Construction, Inc.