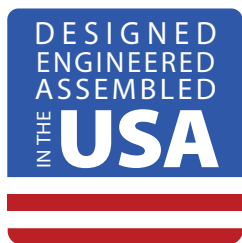
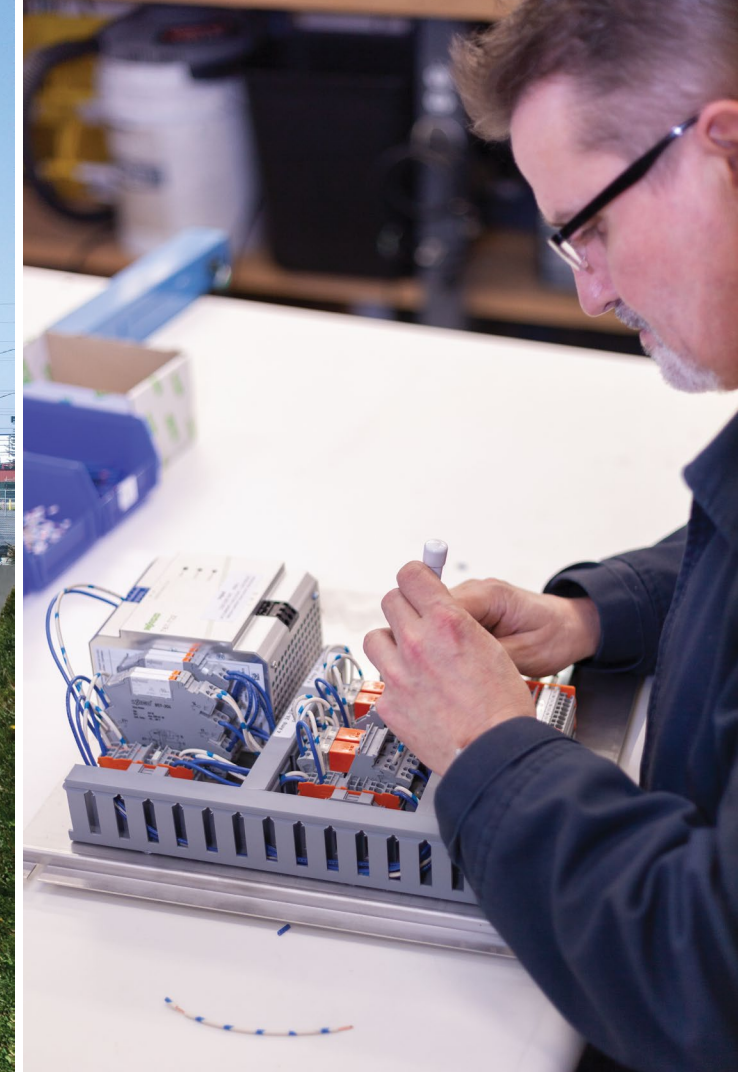


AFI

AUTOMATED FENESTRATION INC

Project Gallery Volume 1





About AFI

Automated Fenestration Inc. (AFI) is North America's leader in actuators and controls for windows and skylights for natural ventilation and smoke evacuation. Automated Fenestration Inc is a fully independent UL Listed Powerhouse with a long standing reputation in the industry since 1987.

Our Mission

We take automation to the next level. We offer true flagship solutions to commercial, institutional, and residential markets. Innovating the fenestration industry for more than 30 years, Automated Fenestration Inc. offers full control and accessibility over natural ventilation. Whether basic environmental control or smoke and heat extraction, we offer fully integrated solutions including Building Automation Systems (BAS), Building Management Systems (BMS), Home Automation Systems, and Heating/Ventilation/Air Conditioning Systems (HVAC).

Automated Fenestration Corp Office

Natural Ventilation, Integration via BacNet/IP

Natural ventilation has been implemented for HVAC cost saving as well as improved health factors due to higher air change-rate. Close proximity to coastal conditions allow for low HVAC costs. Central control as well as individual switch controls allow for occupancy comfort.



AFI Relay Station

Integration to fire/smoke system.

4 Channel and 2 Channel

Up to 12 Actuators per Panel



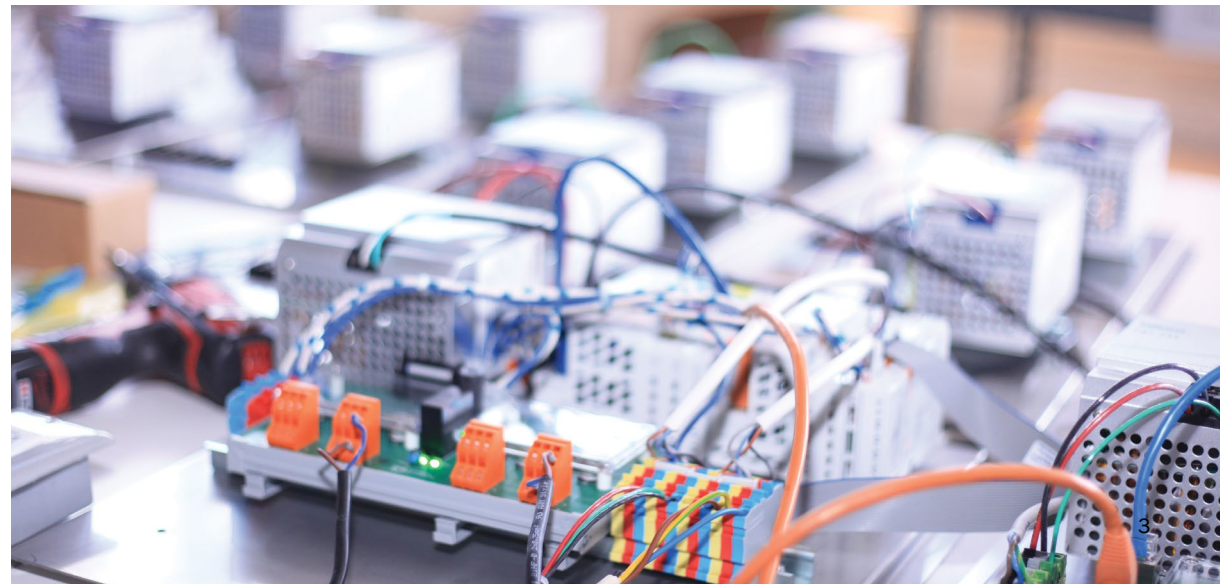
EM2 and Quasar Actuators

Actuators mounted on awning windows for natural ventilation for occupancy comfort.

EM2: 603mm Stroke - 300N Force

Quasar: 500mm Stroke - 300N

Force





Monterey Bay Aquarium - Bechtel Family Center, Monterey Bay, CA

Architect: MCA Architects

Glazier: Signature Glass & Windows, Inc.

Monterey Bay Aquarium - Bechtel Center

Natural Ventilation, Integration via BacNet/IP

Located on the beautiful Monterey Bay coast, this building takes advantage of its premier location by cooling through automated windows that are controlled and monitored by the Building Management System (BACnet/IP). A variety of sensors throughout the four-story building prompt the windows to open or close, providing ideal indoor conditions.



AFI CoreControl
With BacNet protocol.
4 Channel
12 Actuators per Panel



Vega DC Actuators
Actuators mounted on awning windows
for natural ventilation. The system
conducts night flush and maintains air
exchange rates for a healthy environment.
24VDC
300mm Stroke
300N Force





Catalina Island Yacht Club. Avalon, CA
Glazier: T.M.Cobb Company

Catalina Island Yacht Club

Natural Ventilation, Stand Alone

As one of the oldest yacht clubs in Southern California, maintaining its rich historical integrity is key. Updated motorized windows controlled via a single wall switch and in conjunction with ceiling fans, allows fresh air to consistently flow through the building while members and guests indulge in all amenities.



AFI Power Supply Panel
Converts 120VAC to 24VDC
for up to 6 Actuators.



Quasar Actuators
Actuators mounted on hopper
windows for natural ventilation
for occupancy comfort.
24VDC
500mm Stroke
300N Force





WSU - Everett University Center, Everett, WA
Architect: SRG Partnership Inc
Glazier: Kenco Construction

WSU - Everett University Center

Natural Ventilation, BacNet over IP

Washington State University's Everett campus now features a 95,000 square-foot state-of-the-art building, greatly expanding STEM education opportunities. A grand four-story high atrium serves as a central vertical circulation zone featuring a Kawneer curtainwall system with automated awning facade vents specified by SRG Partnership.



AFI RQ Control Panel

Integration via BACnet/IP protocol.

4 Channel

12 Actuators per Panel



EM2 and EM2 Tandem Actuators

Actuators mounted on awning windows for natural ventilation in an educational setting. The system conducts night flush and maintains air exchange rates for a healthy environment.

24VDC

810mm Stroke

300N Force



LEED Gold Certified



The image shows a large, open-plan interior space with a striking, angular white ceiling. The ceiling is composed of several large, flat, white panels that meet at sharp, geometric angles, creating a dynamic and sculptural effect. The lighting is soft and even, highlighting the clean lines and textures of the architecture. In the background, a long wall of large windows with dark frames allows natural light to enter the space. The floor is a light, neutral color, and the overall atmosphere is one of modern, minimalist design.

University of Toronto, Daniels Building - Toronto, Ontario
Architect: NADAAA, Boston MA | Adamson Associates, Toronto, Ontario
Glazier: TAGG Industries
Photography: John Horner Photography

University of Toronto, Daniels Building

Natural Ventilation/Smoke and Heat Exhaust Ventilation, BacNet over IP

A state-of-the-art center for education and research focused on sustainable architecture, landscape, and city-building. With a new three-story complex that serves as a model for environmental and urban design, the Daniels Faculty of Architecture features automated awning vents providing natural ventilation.



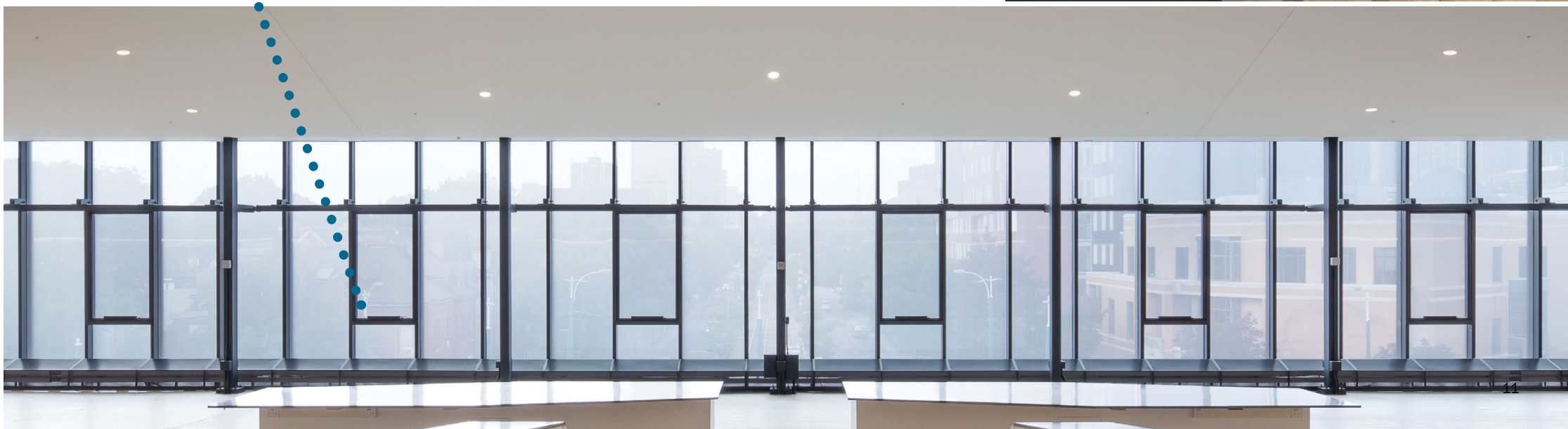
AFI RQ Control Panel
Integrated to BAS via BACnet/MSTP.
4 Channel
12 Actuators per Panel



LM2 Actuators
Actuators mounted on awning windows for natural ventilation in an educational setting. The system conducts night flush and maintains air exchange rates for a healthy environment.
24VDC
500mm Stroke
200N Force



LEED Gold Certified





Emerald Bay Residence - Laguna Beach, CA
Profile: Reynaers USA
Glazier: Associated Building Supply



Emerald Bay Residence

Natural Ventilation, Home Automation Integration

A pair of parallel projecting floor-to-ceiling vents provide all the fresh air this ocean side contemporary home needs. Synchronized actuators for each vent are tied into a Lutron home automation system, providing full control and accessibility.



AFI Relay Station
Integration to Lutron home automation system.
2 Channel
8 Actuators per Panel



LM2 EasyDrive Actuators
Four actuators per parallel projection window for natural ventilation.
24VDC
500mm Stroke
200N Force





SANTA MONICA CITY HALL
SOUTH ENTRANCE

Santa Monica City Hall (East) - Santa Monica, CA
Architect: Frederick Fisher and Partners Architects
Glazier: Walters & Wolf

Santa Monica City Hall - East

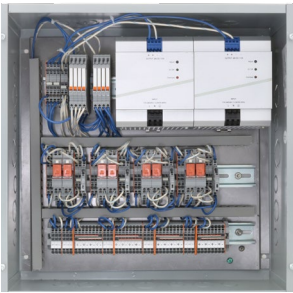
Natural Ventilation, Living Building Challenge

Meeting the most stringent sustainability standards for the building construction industry, Santa Monica City Services Building is a leap in municipal building sustainability standards, moving closer towards carbon neutrality.

Application and Benefits

Surpasses all LEED Certifications.

Conferred through the International Living Future Institute (ILFI), this certification aligns directly with long-range sustainability commitments made by the Santa Monica City Council to achieve community-wide carbon neutrality by 2050 or sooner.



AFI Relay Station

Integration to building automation system.

4 Channel

16 Actuators per Panel



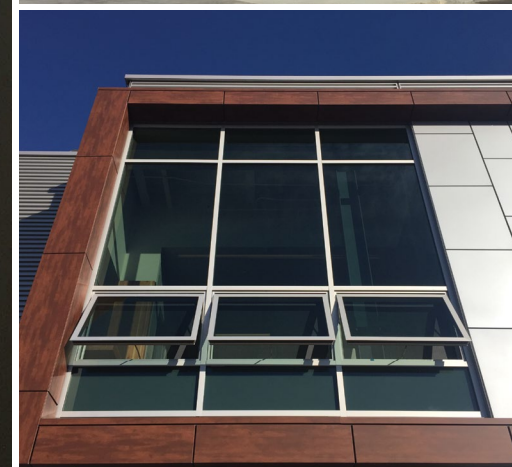
LM2 and EM2 Actuators

Actuators mounted on awning windows.

LM2: 400mm Stroke - 200N Force

EM2: 603mm Stroke - 300N Force





Chemeketa Community College - Salem, OR
Architect: Carlson Veit Architects. Salem, OR
Glazier: Encore Glass

Chemeketa Community College

Natural Ventilation, BacNet over IP

Applied Technology Machining/Drafting/Engineering Building 20. Located at Chemeketa's main campus, the 53,000 square-foot building features automated awning windows providing natural ventilation.



AFI RQ Control Panel
Integrated to BAS via BACnet/MSTP.
Custom configured multi-channel units
Up to 12 actuators per Panel



LM2 Actuators
Actuators mounted on awning windows.
24VDC
500mm Stroke
200N Force



LEED Gold Certified





Conrad DC - Washington DC
Architect: Herzog & de Meuron, HKS Inc.
Glazier: TSI Corporations

Conrad - Washington DC

Smoke and Heat Exhaust Ventilation

The Conrad Building located at City Center, a 2.5 million square-foot site in the heart of downtown Washington DC features automated pivot casement windows for SHEV (Smoke and Heat Exhaust Ventilation).



AFI Core Control Panel

For fire smoke EVAC

4 Channel

8 Actuators per Panel



Synchro Quasar-L Actuators

Actuators mounted on pivot vents for
Smoke and Heat Exhaust Ventilation
(SHEV).

24VDC

750mm Stroke

300N Force



LEED Gold Certified



Wilson Middle School - San Diego, CA
Architect: Roesling Nakamura Terada RNT Architects
Glazier: Centex Glazing

Wilson Middle School

Natural Ventilation

Providing 147,000 square feet of space, Wilson Middle School is a complete rebuild project with room for seven new buildings including a performing arts center, health center, and food center. Automated window vents were specified for natural ventilation. This is the first of two phases for this project.



EM2 Actuators

Actuators mounted on awning windows.

24VDC

327mm Stroke

300N Force





Solstice on The Park - Chicago, IL
Architect: Studio Gang - Jeanne Gang
Glazier: Glass Solutions Inc.

Solstice on the Park - Chicago, IL

Natural Ventilation, Stand Alone

Solstice on The Park, located in Hyde Park, is a twenty-six story residential tower shaped by the angles of the sun, that features automated awning vents, providing natural ventilation.



AFI Power Supply Panel
Converts 120VAC to 24VDC for up to 6 Actuators.



LM2 Actuators
Actuators mounted on awning windows for occupant comfort.
24VDC
500mm Stroke
200N Force



LEED Platinum Certified



Green Globe Certified





Price Gilbert Tower Library Renewal - Georgia Institute of Technology

Designed by BNIM

Glazier: Glass Systems Inc.

Price Gilbert Tower Library

Smoke and Heat Exhaust Ventilation

Improvements include building envelope, energy use, building systems, accessibility, and life safety requirements, focusing on occupant health and well-being, and connection to the surrounding campus. Automated Fenestration was specified for SHEV (Smoke and Heat Exhaust Ventilation).



AFI Relay Station

Integration to fire/smoke system.
4 Channel and 2 Channel
Up to 12 Actuators per Panel



Quasar F-Signal Actuators

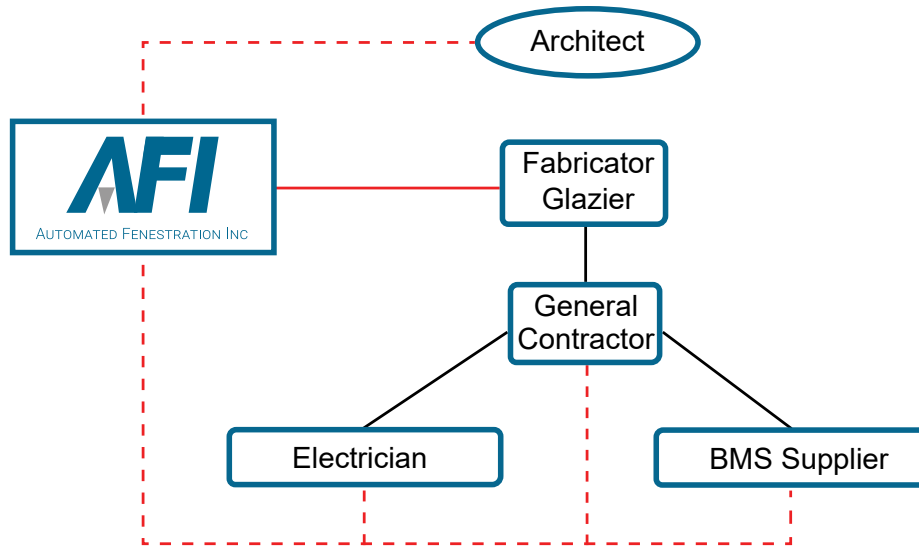
Actuators with open/closed status
signal mounted on awning windows.
24VDC
750mm Stroke
300N Force



LEED Silver Certified



Our Role



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Hawthorne, California

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Sales@AutomatedFenestration.com

www.AutomatedFenestration.com



AFI offers UL listed actuators and control panels for natural ventilation projects for windows and skylights.

Some of Our Partners in the field

SCHÜCO

F FLEETWOOD
WINDOWS & DOORS


Kingspan
Light+Air

arcadia


Royalite
SKYLIGHT & LADDER
MANUFACTURING, INC.

KOLBE
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WINDOWS & DOORS

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SYSTEMS

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