Great Products. Better Partners.

FALL PROTECTION
05 5213 / 07 7200

ACCESS DOORS
08 3100

FLOOR DOORS
08 3483

STAIR TREADS + NOSINGS
05 5000

ENTRANCE MATS + GRILLES
12 4813 / 12 4816

WALL + DOOR PROTECTION
10 2600

ROOF HATCHES + SMOKE VENTS
07 7200
Quality + Safety above all

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More than a source for your commercial building products…

A Partnership

Dear Partner,

Thank you for your continued confidence in Babcock-Davis. On behalf of the entire company, I can tell you that we are motivated and inspired from our partnership. Working with you to deliver commercial building products and services that exceed your expectations is our top priority.

For over 100 years, we have remained dedicated to building and designing the highest quality commercial building products. Our product offering and manufacturing capabilities have grown significantly over the years thanks to the quality commitment of our many hard working employees in Minnesota. We proudly stand behind every product that we ship out every day and around the world.

Sourcing commercial building products is never as simple as it seems. This is particularly true when it comes to the type of specialty and architectural building products that we supply. It takes a collaborative effort of resources and information to get the job done right. We understand all the complexities and time sensitivities involved. This is why we have built such a strong network of people and processes to better serve you, our partners. We do so with flexibility and nimbleness that fits your objectives-not ours.

We are excited for the future and the opportunity to work with you and to continue to exceed your expectations. You have our commitment that we will work hard every day to help you succeed.

If there is anything that we can do to improve our service to you, we will listen.

Sincerely,

Sue W. Thomas

Sue W. Thomas | CHIEF EXECUTIVE OFFICER
Personnel™ II

ROOF HATCH

The Personnel II Roof Hatch is designed with OSHA life safety in mind and provides easy access to roof areas. Simple to install and operate, this roof hatch is OSHA Compliant, stays cooler and conserves energy.

FEATURES

GAS SPRING OPERATION  Designed for smooth one-handed operation that complies with OSHA safety standards, this roof hatch is easy to open and close.

CLEAR LABELING  Color coordinated labels clearly identify safety yellow pull down handle and red hold open arm release.

RAILING-READY  Safety railings install quick and easy with predrilled counterflash, designed to meet the 42” height requirement per OSHA and IBC.

DETAILS

MATERIAL
• Aluminum: 11 gauge, mill
• Steel: Galvanneal 14 gauge, red oxide or high reflectance white powder coat

COVER  Formed metal cover with liner, stiffened to withstand a live load of 40psf with a max deflection of 1/150 of the span

CURB  Single wall curb with EZ tab counterflash and mounting flange

INSULATION  1 inch polystyrene in cover, 1 inch polyiso R-6 in curb or optional 2 inch polyiso in cover and curb; R-12 (specify -IRR)

GASKET  Extruded EPDM adhesive backed gasket seal, continuous around curb and cover

SPRING  Gas spring with damper for smooth, controlled lift assistance

HINGE  Heavy-duty pintle hinge with stainless steel hinge pin

HOLD OPEN ARM  Zinc plated steel automatic hold open arm with red vinyl grip handle locks cover in open position

LATCH  Zinc plated steel slam latch with exterior and interior turn handle and padlock hasps; 20psf wind uplift for lengths ≤ 60 inches.

PULL HANDLE  Interior safety pull down handle, yellow powder coat

FINISHES

| Mill Aluminum | 2B Matte Stainless Steel | Red Oxide Powder Coat | High Reflectance White Powder Coat |

STANDARD MODELS

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<tr>
<th>RED</th>
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<td>BA3630</td>
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<td>BA3054</td>
<td>30 x 54</td>
<td>Ship Stair</td>
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Additional sizes and options available, call for more information.
Personnel™

ROOF HATCH

Babcock-Davis’ Personnel Roof Hatch is easily customizable and provides safe access to roof areas on your building. Sized for ladder, ship stair, and service stair access with optional safety railings, grab bars and a variety of materials and finishes.

FEATURES

POWDER COAT FINISH The standard (BRHPG) red oxide powder coat finish provides outstanding corrosion resistance, superior gloss and color retention.

INSULATION OPTIONS Available with two inches of polyiso insulation for a thermally efficient design. Specify the Energy Efficient Roof Hatch with a -IRR.

DETAILS

MATERIAL OPTIONS
• Aluminum: 11 gauge, mill finish
• Galvanneal Steel: 14 gauge, red oxide or high reflectance white powder coat
• Stainless Steel: Type 304, 14 gauge, 2B matte finish

COVER Formed metal cover with liner, stiffened to withstand a live load of 40 psf with a max deflection of 1/150 the span

CURB Single wall curb with EZ tab counterflash and mounting flange

INSULATION 1 inch polystyrene in cover, 1 inch polyiso around curb or optional 2 inch Polyiso in cover and curb; R-12, specify -IRR

GASKET Extruded EPDM adhesive backed gasket seal continuous around cover

SPRING/HINGE ASSEMBLY Zinc plated steel tamper-proof hinges contained within spring assembly, includes steel compression springs

HOLD OPEN ARM Zinc plated steel automatic hold open arm with red vinyl grip handle locks cover in open position

LATCH Zinc plated steel latch with exterior and interior turn handles and padlock hasps; 90 psf wind uplift for lengths >60 inch

STANDARD MODELS

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FINISHES

- Mill Aluminum
- 2B Matte Stainless Steel
- Red Oxide Powder Coat
- High Reflectance White Powder Coat

Additional sizes and options available, call for more information.

Download Drawings, CAD, Spec, and LEED documents at www.BabcockDavis.com
The ThermalMAX Roof Hatch sets the new standard for thermally efficient roof hatches. Designed with a thermal break to keep cool-cold and hot-hot, this hatch boasts an R-20 insulation rating making it today’s most energy efficient hatch.

**FEATURES**

**THERMALLY BROKEN** Designed with a thermal break to stop the transfer of heat and cold.

**IECC COMPLIANCE** Code C402 for commercial building envelopes requires ≥R-5 in skylight curbs, a gasket weather seal to minimize air leakage and a solar reflectance index ≥82 in climate zones 1, 2, 3.

**ENHANCED INSULATION** Three inch foil faced polyiso insulation provides a thermally efficient design to help maintain building envelope integrity; R-20.

**DETAILS**

**MATERIAL** 11 gauge Aluminum

**FINISH** Mill or powder coat

**COVER** Formed metal cover withstands a live load of 40psf with a max deflection of 1/150 the span

**CURB** Single wall curb with railing ready EZ tab counterflash and mounting flange

**INSULATION** 3 inch single layer foil faced polyiso in curb and cover; R-20.3

**GASKET** Extruded EPDM adhesive backed acoustic gasket seal, continuous around curb and cover to ensure a continuous seal

**SPRING** Gas spring with integrated damper for smooth, controlled lift assistance

**HINGE** Heavy-duty pintle hinge with stainless steel hinge pin

**HOLD OPEN ARM** Zinc plated steel automatic hold open arm with red vinyl grip handle locks cover in open position

**LATCH** Zinc plated steel spring-type slam latch with inside and outside operating turn handles and padlock hasp provisions; 20psf wind uplift

**PULL HANDLE** Interior safety pull down handle, yellow powder coat

**STANDARD MODELS**

<table>
<thead>
<tr>
<th>ALUMINUM</th>
<th>SIZE (IN.)</th>
<th>DOOR</th>
<th>CURB</th>
<th>ACCESS</th>
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<td>Ladder</td>
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<td>Ship Stair or Alternating Tread</td>
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<td>30 x 96</td>
<td>Single</td>
<td>Single Wall</td>
<td>Service Stair</td>
</tr>
</tbody>
</table>

**FINISHES**

- Mill Aluminum
- High Reflectance White Powder Coat
SunLit™
ROOF HATCH

Providing natural daylighting, the SunLit Roof Hatch is engineered with a translucent dome cover that is ideal for use in commercial buildings, retail, schools and more.

FEATURES

POLYCARBONATE DOME  Add the traditional look of a domed skylight with 1/8 inch thick UV coated polycarbonate available in clear, white or bronze colors.

OPTIONAL DOUBLE DOME  Increase impact and thermal resistance with double glazed polycarbonate domes.

OPTIONAL INSULATION  Add additional thermal performance with fully insulated curbs including 2 inch polyiso insulation; specify -IRR.

DETAILS

COVER  Formed aluminum, 11 gauge, mill finish, metal cover with 1/8 inch clear polycarbonate, UV coated dome

CURB  Single wall curb with EZ tab counterflash and mounting flange
  • Aluminum: 11 gauge, mill finish
  • Steel: 14 gauge galvanneal, red oxide powder coat

INSULATION  1 inch fiberglass in cover, 1 inch polyiso around curb

GASKET  Extruded EPDM adhesive backed gasket seal continuous around cover

SPRING/HINGE ASSEMBLY  Zinc plated steel tamper-proof hinges contained within spring assembly, includes steel compression springs

HOLD OPEN ARM  Zinc plated steel automatic hold open arm with red vinyl grip handle locks cover in open position

LATCH  Zinc plated steel latch:
  • 20psf wind uplift for lengths ≤60 inch with slam latch
  • 90psf wind uplift for lengths >60 inches with 2-point rotary latch

STANDARD MODELS

<table>
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<tr>
<th>ALUMINUM</th>
<th>STEEL + ALUMINUM</th>
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<th>ACCESS</th>
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<tr>
<td>BRHLA36X36S1P</td>
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<td>36 x 36</td>
<td>Ladder</td>
<td>Single</td>
<td>Single Wall</td>
</tr>
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</table>

Additional sizes and options available, call for more information.
Security

ROOF HATCH

Designed for applications with heightened security, Babcock-Davis’ Security Roof Hatch is constructed of heavy-duty materials and the option for security grade locks. Ideal for prisons, banks, water treatment facilities and other high security buildings.

FEATURES

SECURITY GRADE MATERIAL  Deter forced entry with extra heavy-duty top security grade roof hatches. Constructed of 3/16 inch steel or 1/4 inch aluminum.

OPTIONAL LOCKS  Add essential security upgrades to your rooftop access with detention or mortise locks.

OPTIONAL VIEWPORT  Gain visibility with the optional bulletproof viewport on roof hatch cover. Ideal for use in prisons and wastewater treatment facilities.

DETAILS

MATERIAL
• Aluminum: 1/4 inch, mill finish
• Steel: 3/16 inch, red oxide powder coat

COVER  Formed metal cover with liner, stiffened to withstand a live load of 40psf with a max deflection of 1/150 the span

CURB  Single wall curb with EZ tab counterflash and mounting flange

INSULATION  1 inch polystyrene in cover, 1 inch polyiso around curb

GASKET  Extruded EPDM adhesive backed gasket seal, continuous around cover

SPRING/HINGE ASSEMBLY  Zinc plated steel tamper-proof hinges contained within spring assembly, includes steel compression springs

HOLD OPEN ARM  Zinc plated steel automatic hold open arm with red vinyl grip handle locks cover in open position

LATCH  Zinc plated steel latch with exterior and interior turn handles and padlock hasp

FINISHES

MATERIAL
Mill Aluminum
Red Oxide Powder Coat

GALVANIZED STEEL  ALUMINUM  STEEL + ALUMINUM  SIZE (IN.)  ACCESS  DOOR  CURB
BRHSG36X30S1T  BRHSA36X30S1T  BRHSB36X30S1T  36 x 30  Ladder  Single  Single Wall
BRHSG36X36S1T  BRHSA36X36S1T  BRHSB36X36S1T  36 x 36  Ladder  Single  Single Wall
BRHSG30X54S1T  BRHSA30X54S1T  BRHSB30X54S1T  30 x 54  Ship Stair  Single  Single Wall

STANDARD MODELS

Additional sizes and options available, call for more information.

Download Drawings, CAD, Spec, and LEED documents at www.BabcockDavis.com

Rooftop Products | ROOF HATCHES 9
Hurricane Hatch™

**ROOF HATCH**

Built to withstand nature’s toughest storms, Babcock-Davis’ Hurricane Hatch™ is ideal for regions extreme wind conditions. This hatch was tested for wind-uplift, forced entry and air infiltration.

**FEATURES**

**INDUSTRY’S BEST** Tested for small and large missle impact - Class IV (TAS 201-94), Air Pressure & Water Penetration (TAS 202-94), and Cyclic Wind Pressure Loading (TAS 203-94).

**NEW LARGER SIZES** Miami-Dade Approved configurable sizes available up to a maximum opening of 20 ft² area; industry’s largest 30" x 96".

**DETAILS**

**MATERIAL**
- Aluminum 11 gauge, mill finish
- Steel 14 gauge galvanneal, red oxide powder coat

**COVER** Formed metal cover with liner, stiffened to withstand a live load of 40psf with a max deflection of 1/150 of the span

**CURB** Single wall curb with EZ tab counterflash and mounting flange

**INSULATION** 1 inch polyiso R-6 in curb, 1 inch polystyrene in cover

**GASKET** Extruded EPDM adhesive backed gasket seal continuous around cover

**HOLD OPEN ARM** Zinc plated steel automatic hold open arm locks cover in open position

**LATCH** Zinc plated steel latch with exterior and interior turn handles and padlock hasps.

**CERTIFICATION** Florida Product Approved and Miami-Dade County

**STANDARDS SIZES**

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<tr>
<th>GALVANIZED STEEL</th>
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<th>LATCH</th>
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<td>Single Point</td>
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<td>30 x 72</td>
<td>Ship Stair</td>
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<td>2-Point</td>
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<tr>
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<td>BRHHA30X96S1T</td>
<td>30 x 96</td>
<td>Ship Stair</td>
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<td>2-Point</td>
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<td>BRHHG36X30S1T</td>
<td>BRHHA36X30S1T</td>
<td>36 x 30</td>
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<td>Single</td>
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<td>Single Point</td>
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<td>BRHHG36X72S1T</td>
<td>BRHHA36X72S1T</td>
<td>36 x 72</td>
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<td>Single Wall</td>
<td>2-Point</td>
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<tr>
<td>BRHHG48X48S1T</td>
<td>BRHHA48X48S1T</td>
<td>48 x 48</td>
<td>Ladder</td>
<td>Single</td>
<td>Single Wall</td>
<td>Single Point</td>
</tr>
</tbody>
</table>

**FINISHES**

- Mill
- Red Oxide Powder Coat
- High Reflectance White Powder Coat

**2-POINT LATCH**

**SPRING / HINGE ASSEMBLY** Zinc plated steel tamper-proof hinges contained within spring assembly, includes steel compression springs

**SINGLE POINT LATCH**

**SPRING** Gas spring with damper for smooth, controlled lift assistance

**HINGE** Heavy-duty pintle hinge with stainless steel hinge pin

**PULL HANDLE** Interior safety pull down handle, yellow powder coat

Additional sizes and options available, call for more information.
Equipment

HATCH

Babcock-Davis’ Equipment Roof Hatch is engineered to accommodate extra large equipment access through roofs. With options like curb mounting and varied curb heights Babcock-Davis is sure to meet your equipment servicing needs.

FEATURES

LARGEST CLEAR OPENING Industry’s largest clear opening allows equipment up to 14’ by 20’ to be installed and serviced through the roof of your building.

STAINLESS STEEL MATERIAL Upgrade to corrosion resistant 304 stainless steel for corrosive environments such as waste water treatment facilities and coastal areas.

DETAILS

MATERIAL
- Aluminum: 11 gauge, mill finish
- Steel: 14 gauge galvanneal, powder coat
- Stainless Steel: Type 304 14 gauge, 2B matte finish

COVER Formed metal cover withstands a live load of 40psf with a max deflection of 1/150 the span

CURB Single wall curb with EZ tab counterflash and mounting flange

INSULATION 1 inch fiberglass in cover, 1 inch polyiso around curb

GASKET Extruded EPDM adhesive backed gasket seal continuous around cover

SPRING/HINGE ASSEMBLY Zinc plated steel tamper-proof hinge contained within spring assembly, includes steel compression spring

HOLD OPEN ARM Zinc plated steel automatic hold open arm with red vinyl grip handle locks cover in open position

LATCH Zinc plated steel latch with exterior and interior turn handles and padlock hasps

FINISHES

Mild
Red Oxide
Powder Coat
2B Matte
Stainless Steel

FEATURES

LARGEST CLEAR OPENING Industry’s largest clear opening allows equipment up to 14’ by 20’ to be installed and serviced through the roof of your building.

STAINLESS STEEL MATERIAL Upgrade to corrosion resistant 304 stainless steel for corrosive environments such as waste water treatment facilities and coastal areas.

STANDARD MODELS

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<tr>
<th>GALVANIZED STEEL</th>
<th>ALUMINUM</th>
<th>STAINLESS STEEL</th>
<th>SIZE (IN.)</th>
<th>DOOR</th>
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</tbody>
</table>

Additional sizes and options available, call for more information.

Download Drawings, CAD, Spec, and LEED documents at www.BabcockDavis.com
Safety Railing

ROOF HATCH FALL PROTECTION

Babcock-Davis’ OSHA compliant Safety Railing is ideal for new and retrofit applications. The safety railing mounts to the existing roof hatch curb counterflash without penetrating the membrane or curb.

FEATURES

EASY FIELD INSTALLATION  No field cutting required as rails are cut to exact size. Easy assembly fittings and quick mounting on counterflash using a patented nut backing plate.

CHAIN CLOSURE  Comes with standard chain barrier with easy spring clip attachment to guard against falls.

OPTIONAL SELF CLOSING GATE  (shown) Designed to automatically close, the gate is constructed with spring loaded hinges to protect against falls.

DETAILS

MATERIAL  Rails and posts, aluminum, 1-1/4 inch ID (1.66 inch OD) Schedule 40 pipe
FINISH  Mill or Powder Coat, Safety Yellow
FITTINGS  Cast aluminum alloy with set screw hold
MOUNTING BRACKETS  3/16 inch steel, zinc plated with nut backing plate
HARDWARE  Hex head bolts 3/8 - 16 by 3/4 inch zinc plated steel
EXIT  Must be kept closed when roof hatch door is open
• Self-Closing Gate: Aluminum, 1-1/4 inch ID (1.66 inch OD) Schedule 40 pipe, self-closing with coil spring
• Chain: 3/16 inch zinc plated steel link chain with spring clip ends

STANDARD MODELS

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THERMALMAX MODELS

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<td>48 x 48 Front</td>
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Additional sizes available, call for more information.
### Safety Post

**ROOF HATCH FALL PROTECTION**

The Safety Post is designed to extend 42 inches above a landing platform to aid safe ladder access through a roof hatch. The spring assisted telescoping design mounts to the top two rungs of a fixed vertical ladder.

**DETAILS**

**MATERIAL** 1-1/2 inch by 1-1/2 inch by 1/8 inch high strength square tubing with a pull-up loop provided at the upper end to facilitate raising of post.
- Steel: yellow powder coat paint or hot dip galvanized
- Stainless Steel: Type 304, mill
- Aluminum: Mill

**BALANCING SPRING** Stainless steel constant force spring

**HARDWARE** Type 316 stainless steel

**STANDARD MODELS**

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<thead>
<tr>
<th>MODEL</th>
<th>MATERIAL</th>
<th>FINISH</th>
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<td>Steel</td>
<td>Powder Coat, Yellow</td>
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<tr>
<td>BSPS</td>
<td>Stainless Steel</td>
<td>Mill</td>
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### Safety Grab Bar

**ROOF HATCH FALL PROTECTION**

The Safety Grab Bar is engineered to provide safe access through roof hatches. The grab bar mounts to a corner section through the curb counterflashing.

**DETAILS**

**MATERIAL** Rails and posts, aluminum, 1-1/4 inch ID (1.66 inch OD) Schedule 40 pipe

**FITTINGS** Cast aluminum alloy with set screw hold

**MOUNTING BRACKETS** 3/16 inch steel, zinc plated with nut backing plate

**HARDWARE** Hex head bolts 3/8 inch - 16 by 3/4 inch zinc plated steel

**STANDARD MODELS**

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SMOKE VENT

Babcock-Davis’ Single Door SafeMAX Smoke Vent, engineered with a metal cover, is ideal for factory, storage and warehouse occupancies, and hoistways. The single door smoke vent offers the largest effective vent area.

FEATURERS

GREATER EFFECTIVE VENT AREA  Reduce the number of smoke vents required on the roof with the industry’s largest 48 x 96 single door smoke vent.

OPTIONAL LOUVERED CURB  Add additional ventilation with louvered curbs. Ideal for use in elevator shafts and hoistways.

DETAILS

MATERIAL
• Aluminum: 11 gauge, mill finish
• Steel: 14 gauge galvanneal, high reflectance white powder coat

COVER  Formed metal cover with liner, internally stiffened to withstand a live load of 40psf

CURB  Single wall curb with EZ tab counterflash and mounting flange

INSULATION  1 inch Polyiso R-6 in cover and around curb.

GASKET  Extruded EPDM adhesive backed gasket seal, continuous around cover

HINGE  Heavy-duty pintle hinge with stainless steel hinge pins

SPRING  Gas spring with damper opens cover against 10psf snow load

HOLD OPEN ARM  Zinc plated steel automatic hold open arm locks cover in open position

LATCH  Zinc plated steel rotary latch designed to hold covers closed against 30psf wind uplift. Opens manually by external and internal pull cables. Opens automatically with a fusible link at standard temperature 165°F.

CERTIFICATIONS  UL 793 Listed, FM 4430 Approved

ORDER GUIDE

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<td>3 Curb Mount</td>
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*Voids UL

SFM  FM Labeled
OP1  Door Position Sensor
B  Burglar Bars
SafeMAX™ *(Double + Quad Door)*

**SMOKE VENT**

The standard Double and Quad Door SafeMAX Smoke Vent, engineered with metal covers, is ideal for factory, storage and warehouse occupancies.

**FEATURES**

**SECURE CLOSURE** The reliable rotary latch has been third party independently tested to hold smoke vent covers closed against a 135psf wind uplift.

**OPTIONAL 2 INCH INSULATION** Optimize energy efficiency and upgrade thermal insulation to R-12 with 2 inch of Polyiso in the cover and curb while maintaining UL Listing.

**DETAILS**

**MATERIAL**
- Aluminum: 11 gauge, mill finish
- Steel: 14 gauge galvanneal, high reflectance white powder coat

**COVER** Formed metal cover with liner, internally stiffened to withstand a live load of 40psf

**CURB** Single wall curb with EZ tab counterflash and mounting flange

**INSULATION** 1 inch Polyiso R-6 in cover and around curb

**GASKET** Extruded EPDM adhesive backed gasket seal, continuous around cover

**HINGE** Heavy-duty pintle hinge with stainless steel hinge pins

**SPRING** Gas spring with damper opens cover against 10psf snow load.

**HOLD OPEN ARM** Zinc plated steel automatic hold open arm locks cover in open position.

**LATCH** Zinc plated steel rotary latch designed to hold covers closed against 135psf wind uplift. Opens manually by external and internal pull cables. Opens automatically with a fusible link at standard temperature 165°F.

**CERTIFICATIONS** UL 793 Listed, FM 4430 Approved

**ORDER GUIDE**

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*Voids UL

Download Drawings, CAD, Spec, and LEED documents at www.BabcockDavis.com

Rooftop Products | SMOKE VENTS | 15
LightMAX™ eco
SMOKE VENT

The LightMAX eco sets the new standard for UL793 listed daylighting smoke vents. Now available with multiple curb options, burglar bars, safety railing ready and other security options.

FEATURES

INNOVATIVE DESIGN Innovate patent-pending design means better performance, easier install and lower cost.

NATURAL DAYLIGHTING Add the traditional look of a domed skylight and added sustainability benefit of natural daylighting.

DETAILS

COVER Extruded aluminum frame, 11 gauge, mill finish, with polycarbonate dome to withstand a live load of 40psf.

CURB Single wall curb with apron mount

GASKET Extruded EPDM adhesive backed gasket seals

HINGE Patent-pending extruded hinge, continuous

SPRING Gas spring damper opens cover against 10psf snow load

HOLD OPEN ARM Hold open arm integrated into the gas spring, locks cover in fully open position

LATCH Zinc plated steel rotary latch designed to hold covers closed against 90psf wind uplift. Opens manually by external and internal pull cables. Opens automatically with a fusible link at standard temperature 165°F.

OPERATION Opens automatically with fusible link and manual pull handles.

SIZES

- Double Door: 48 inches by 48 inches to 48 inches by 96 inches
- Quad Door: 48 inches by 96 inches to 48 inches by 192 inches

CERTIFICATIONS UL 793 Listed

ORDER GUIDE

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<td>Double Wall 2</td>
<td>Curb Mount 3</td>
<td>Double Wall no Counterflash 4</td>
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*Note: Low profile curb mount has limited options. Call for more information.
LightMAX™ (Single Door) SMOKE VENT

Providing natural daylighting, the Single Door LightMAX Smoke Vent is engineered with a translucent cover. This smoke vent includes a clear or color tinted multiwall panel or optional domes that are ideal for use in factory, storage and warehouse commercial buildings.

FEATURES

MULTIWALL LIGHT TRANSMISSION Add optional color panels (pg. 25) to change natural daylighting characteristics.

OPTIONAL DOME Add the traditional look of a domed skylight with 1/8 inch thick UV coated polycarbonate available in clear, white or bronze colors.

DETAILS

COVER Extruded aluminum frame, 11 gauge, mill finish, with 5/8 inch 3 layer structural multiwall R-3 in white polycarbonate. Cover withstands a live load of 40psf.

CURB Single wall curb with EZ tab counterflash and mounting flange
• Aluminum: 11 gauge, mill finish
• Steel: 14 gauge galvanneal, high reflectance white powder coat

INSULATION 1 inch Polyiso R-6 around curb perimeter

GASKET Extruded EPDM adhesive backed gasket seal, continuous around cover

HINGE Heavy-duty pintle hinge with stainless steel hinge pin

SPRING Gas spring damper opens cover against 10psf snow load

HOLD OPEN ARM Zinc plated steel automatic hold open arm locks cover in open position

LATCH Zinc plated steel rotary latch designed to hold covers closed against 30psf wind uplift. Opens manually by external and internal pull cables.

CERTIFICATIONS UL 793 Listed

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Additional size options also available.

*Voids UL

Download Drawings, CAD, Spec, and LEED documents at www.BabcockDavis.com
LightMAX™ (Double + Quad Door) SMOKE VENT

The Double and Quad Door LightMAX Smoke Vent is engineered with translucent covers using polycarbonate for the added sustainability benefit of natural daylighting. With options like color panels, and electrical operation, Babcock-Davis is sure to meet your building sustainability and fire and life safety needs.

FEATURES

MULTIWALL LIGHT TRANSMISSION Add optional color panels (pg. 25) to change natural daylighting characteristics.

OPTIONAL DOME Add the traditional look of a domed skylight with 1/8 inch thick UV coated polycarbonate available in clear, white, or other colors.

DETAILS

COVER Extruded aluminum frame, 11 gauge, mill finish, with 5/8 inch 3 layer structural multiwall R-3 in white polycarbonate. Cover withstands a live load of 40psf.

CURB Single wall curb with EZ tab counterflash and mounting flange
  • Aluminum: 11 gauge, mill finish
  • Steel: 14 gauge galvanneal, high reflectance white powder coat

INSULATION 1 inch Polyiso R-6 around curb perimeter

GASKET Extruded EPDM adhesive backed gasket seal, continuous around cover

HINGE Heavy-duty pintle hing with stainless steel hinge pin

SPRING Gas spring damper opens cover against 10psf snow load

HOLD OPEN ARM Zinc plated steel automatic hold open arm locks cover in open position

LATCH Zinc plated steel rotary latch designed to hold covers closed against 90psf wind uplift. Opens manually by external and internal pull cables.

CERTIFICATIONS UL 793 Listed

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</tbody>
</table>

Additional size options also available.

Directions: Latch 3/4” right of center. Hinge should be 6” away from curb.

Download Drawings, CAD, Spec, and LEED documents at www.BabcockDavis.com
AcousticMAX™

(STC 48/STC 50)

SMOKE VENT

Block the intrusion of exterior environmental noise with Babcock-Davis’ AcousticMAX Smoke Vent. Perfect for theaters and performing arts centers; every detail is designed with precision.

FEATURES

SUPERIOR THERMAL PERFORMANCE The BSVY AcousticMAX R-14 energy-efficient smoke vent is designed to save money with reduced heat loss.

INNOVATIVE SOUND CONTROL Designed to keep out unwanted noises ensuring acoustical integrity when all you want to hear is the performance.

PREFINISHED BLACK INTERIOR Eliminate field painting hassle with the prefinished interior that seamlessly integrates into the ceiling.

DETAILS

SOUND RATING(S) Independent third party tested to ASTM E90 and ASTM E1332
- BSVX: STC 48 - OITC 36
- BSVY: STC 50 - OITC 39

MATERIAL 14 gauge galvanneal steel; powder coat

FINISH High Reflectance White exterior cover with black interior liner and black curb

COVER Metal with liner, withstands a live load of 40psf with a max deflection of 1/150 the span

CURB Double wall curb with EZ tab counterflash and mounting flange

INSULATION Mineral wool and sound mat in cover and curb
- BSVX: Total R-10
- BSVY: Total R-14

GASKET Extruded EPDM adhesive backed gasket seals

HINGE Stainless steel heavy duty pintle hinge

ORDER GUIDE

<table>
<thead>
<tr>
<th>BASE</th>
<th>RATING</th>
<th>MATERIAL</th>
<th>WIDTH</th>
<th>X</th>
<th>LENGTH</th>
<th>DOOR</th>
<th>CURB</th>
<th>ELECTRIC</th>
<th>LINK TEMP (°F)</th>
<th>CLOSING</th>
<th>OPTIONS</th>
</tr>
</thead>
</table>
| BSV  | G      | Galvanneal Steel | Standard Sizes (W x L)
- 48” x 48”
- 48” x 72”
- 48” x 96”
- 60” x 60”
- 60” x 96”
- 60” x 120”
- 72” x 72”
- 72” x 96”
- Additional size options also available.
| D     | Double Door
Q     | Quad Door
2     | Double Wall
3     | Curb Mount
| N     | No Electrical
L     | 24VDC/24VAC
H     | 110VAC / 240VAC
| 165   | 212   | 250   | 280   | 350   | 360   | 450   |
| R     | Rooftop Close
W     | Manual Winch
A     | Linear Actuator*
| SFM  | FM Labeled
| OP1  | Door Position Sensor
| B__  | Burglar Bars

*Voids UL

SPRING Gas spring with damper opens cover against 10psf snow load

HOLD OPEN ARM Zinc plated steel automatic hold open arm locks cover in open position

LATCH Zinc plated steel rotary latch designed to hold covers closed against 90psf wind uplift

OPERATION Opens automatically with a fusible link and manual pull handles

CERTIFICATIONS UL 793 Listed, FM 4430 Approved, and IBC1207 Compliant (BSVY only)
Safety Railing
SMOKE VENT FALL PROTECTION

Babcock-Davis’ OSHA compliant Safety Railing is ideal for new and retrofit applications. The safety railing mounts to the existing smoke vent curb counterflash without penetrating the membrane or curb.

FEATURES

FALL PROTECTION  In accordance with OSHA regulations, the safety railing is engineered to guard smoke vent openings to protect against falls.

EASY FIELD INSTALLATION  No field cutting required as rails cut to exact size. Easy assembly fittings and quick mounting on counterflash through curb.

DETAILS

MATERIAL  Rails and posts, aluminum, 1-1/4 inch ID (1.66 inch) Schedule 40 pipe

FITTINGS  Cast aluminum alloy with set screw hold

MOUNTING BRACKETS  3/16 inch steel, zinc plated with nut backing plate

HARDWARE  Hex head bolts 3/8 inch - 16 x 3/4 inch zinc plated steel

COMPLIANCE  OSHA 29 CFR 1910.28 and 1910.29

ORDER GUIDE

<table>
<thead>
<tr>
<th>4-SIDED</th>
<th>MODEL</th>
<th>SIZE (IN.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRVA36X30NN</td>
<td>36 x 30</td>
<td></td>
</tr>
<tr>
<td>SRVA36X36NN</td>
<td>36 x 36</td>
<td></td>
</tr>
<tr>
<td>SRVA48X48NN</td>
<td>48 x 48</td>
<td></td>
</tr>
<tr>
<td>SRVA48X96NN</td>
<td>48 x 96</td>
<td></td>
</tr>
<tr>
<td>SRVA60X96NN</td>
<td>60 x 96</td>
<td></td>
</tr>
<tr>
<td>SRVA60X120NN</td>
<td>60 x 120</td>
<td></td>
</tr>
<tr>
<td>SRVA60X144NN</td>
<td>60 x 144</td>
<td></td>
</tr>
<tr>
<td>SRVA72X144NN</td>
<td>72 x 144</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2-SIDED</th>
<th>MODEL</th>
<th>SIZE (IN.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRVA48XNNTN</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>SRVA60XNNTN</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>SRVA72XNNTN</td>
<td>72</td>
<td></td>
</tr>
</tbody>
</table>
Burglar Bars
SMOKE VENT FALL PROTECTION

Babcock-Davis’ Burglar Bars, a smoke vent accessory, are designed for security and safety and to prevent unauthorized entry. Engineered for each smoke vent, these bars are available on new installations as a factory installed option.

DETAILS
MATERIAL Steel, 1/2 inch or 3/4 inch diameter
SPACING 6 inch by 6 inch, 6 inch by 12 inch or custom

ORDER GUIDE

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DIAMETER</th>
<th>SPACING</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1A</td>
<td>1/2”</td>
<td>6” x 12”</td>
</tr>
<tr>
<td>B1B</td>
<td>1/2”</td>
<td>6” x 6”</td>
</tr>
<tr>
<td>B2A</td>
<td>3/4”</td>
<td>6” x 12”</td>
</tr>
<tr>
<td>B2B</td>
<td>3/4”</td>
<td>6” x 6”</td>
</tr>
</tbody>
</table>

Screen
SMOKE VENT FALL PROTECTION

The Fall Protection Screen, a smoke vent safety product, is designed to aid in fall protection. This sturdy screen, spaced 4 inch apart with fully welded intersections is available on new installations as a factory install option on each smoke vent. Third party tested with a drop test of 400 pounds of 30 inch diameter sandbag from 42 inches.

DETAILS
MATERIAL Steel, 0.163 inch diameter
SPACING 4 inch by 4 inch
COMPLIANCE OSHA 1926.502c and 1910.28

ORDER GUIDE

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DIAMETER</th>
<th>SPACING</th>
</tr>
</thead>
<tbody>
<tr>
<td>B3C</td>
<td>0.163”</td>
<td>4” x 4”</td>
</tr>
</tbody>
</table>
Weighted Base

GUARDRAIL FALL PROTECTION

The OSHA compliant portable railing system is designed to keep people safe while working on rooftops and other structures. No need for tie-off points and expensive safety equipment.

FEATURES

PORTABLE BASE The weighted base is designed to be portable and installed where permanent mounting is not an option.

EASY INSTALLATION The posts and rails are easy to assemble and install.

COORDINATING COLORS The system comes with a standard powder coat finish that is available in a wide range of colors to match your building’s exterior.

DETAILS

MATERIALS
• Weighted Base and Post Assembly: Steel, 1-1/4 inch ID (1.66 inch OD) Schedule 40 pipe
• Horizontal and Corner Rails: 1-5/8 inch by .065 inch Steel

FINISH Powder Coat

RAIL FASTENERS 3/8 inch - 16 by 1 inch zinc plated steel

COMPLIANCE OSHA 29 CFR 1910.28 and 1910.29

MODELS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
<th>DIMENSION</th>
<th>MATERIAL + FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>BGR-WBP-ASM-RN</td>
<td>Weighted Base and Post</td>
<td>26.875&quot; x 46&quot;</td>
<td>Steel, Powder Coat</td>
</tr>
<tr>
<td>BGR-WBPR-004-RN</td>
<td>Fixed Rail*</td>
<td>4'</td>
<td>Steel Powder Coat</td>
</tr>
<tr>
<td>BGR-WBPR-005-RN</td>
<td>Fixed Rail*</td>
<td>5'</td>
<td>Steel Powder Coat</td>
</tr>
<tr>
<td>BGR-WBPR-008-RN</td>
<td>Fixed Rail*</td>
<td>8'</td>
<td>Steel Powder Coat</td>
</tr>
<tr>
<td>BGR-WBPR-010-RN</td>
<td>Fixed Rail*</td>
<td>9'-10&quot;</td>
<td>Steel Powder Coat</td>
</tr>
<tr>
<td>BGR-WBPR-ADJ-043-RN</td>
<td>Adjustable Rail*</td>
<td>2'-5&quot; to 3'-9&quot;</td>
<td>Steel Powder Coat</td>
</tr>
<tr>
<td>BGR-WBPR-ADJ-070-RN</td>
<td>Adjustable Rail*</td>
<td>3'-9&quot; to 5'-10&quot;</td>
<td>Steel Powder Coat</td>
</tr>
<tr>
<td>BGR-WBPR-ADJ-120-RN</td>
<td>Adjustable Rail*</td>
<td>5'-10&quot; to 10'</td>
<td>Steel Powder Coat</td>
</tr>
<tr>
<td>BGR-WB-AC</td>
<td>Adjustable Corner*</td>
<td></td>
<td>Steel Powder Coat</td>
</tr>
</tbody>
</table>

*Note: Rails and corners are sold in sets of 2. Rails include 2 rails, 1 post and weighted base. When ordering, please be sure to include 1 additional weighted base.
Perimeter

GUARDRAIL FALL PROTECTION

The OSHA compliant Permanent Guardrail system’s unique bracket installs under the drip edge, coping cap, gravel stop or gutter system without penetrating the roofing system and allows for retro fit installations.

FEATURES

PERMANENT MOUNT The edge mounted guardrail system does not penetrate the roof membrane and installs under the coping and roof flashing.

EASY INSTALLATION The posts and rails are easy to assemble and install.

COORDINATING COLORS The system comes with a standard powder coat finish that is available in a wide range of colors to match your building’s exterior.

DETAILS

MATERIALS

• Post and Bracket Assembly: Steel, 1-1/4 inch ID (1.66 inch OD) Schedule 40 pipe
• Horizontal and Corner Rails: 1-5/8 inch by .065 inch Steel

FINISH Powder Coat

STRUCTURAL FASTENERS

• Wood: RSS structural screws
• Concrete: Caliburn PH concrete pan head screw

RAIL FASTENERS 3/8 inch - 16 x 1 inch zinc plated steel

COMPLIANCE OSHA 29 CFR 1910.28 and 1910.29

STANDARD MODELS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
<th>DIMENSION</th>
<th>MATERIAL + FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>BFP-GRPLG</td>
<td>Edge Mount Post</td>
<td>42”</td>
<td>Steel, Powder Coat</td>
</tr>
<tr>
<td>BFP-GRF60</td>
<td>Fixed Rail*</td>
<td>5’</td>
<td>Steel, Powder Coat</td>
</tr>
<tr>
<td>BFP-GRF96</td>
<td>Fixed Rail*</td>
<td>8’</td>
<td>Steel, Powder Coat</td>
</tr>
<tr>
<td>BFP-GRF118</td>
<td>Fixed Rail*</td>
<td>9’ - 10”</td>
<td>Steel, Powder Coat</td>
</tr>
<tr>
<td>BFP-GRA43</td>
<td>Adjustable Rail*</td>
<td>2’-5” to 3’-9”</td>
<td>Steel, Powder Coat</td>
</tr>
<tr>
<td>BFP-GRA70</td>
<td>Adjustable Rail*</td>
<td>3’-9” to 5’-10”</td>
<td>Steel, Powder Coat</td>
</tr>
<tr>
<td>BFP-GRA120</td>
<td>Adjustable Rail*</td>
<td>5’-10” to 10’</td>
<td>Steel, Powder Coat</td>
</tr>
<tr>
<td>BFP-GRC12</td>
<td>Corner Rail*</td>
<td>12”</td>
<td>Steel, Powder Coat</td>
</tr>
</tbody>
</table>

*Note: Rails and corners are sold in sets of 2.
Access

Ladder  Ship Stair  Alternating Tread Stair  Service Stair

Locks (Roof Hatch)

Detention Lock  Mortise Operated Deadbolt

Additional locks and options available, call 1.888.412.3726 for more information.

Operations (Smoke Vent)

OPENING

Fusible Link  Pneumatic Actuator  Electrical  Pull Handle (External & Internal)

CLOSING

Rooftop Close R  Manual Winch W  Linear Actuator A

SECURITY

Door Position Sensor OP1

Note: Also available on Roof Hatches

Download Drawings, CAD, Spec, and LEED documents at www.BabcockDavis.com
Curbs

- Single Wall
- Double Wall
- Curb Mount
- No Counterflash
- Apron Mount
- 1-1/2” Curb Mount

**Curb Height**
- 6 inch - 48 inch
- H6 - H48

**Pitch Correction**
- Match Roof Pitch
- P
- 1 inch Polyiso
- IPP
- 2 inch Polyiso
- IRR

**Insulation**
- Polyiso
- IPP
- IRR

**Ventilation**
- Louvered Curb
- V33

Domes (Roof Hatch + Smoke Vent)

- Clear (Standard)
- White
- Bronze

**Color Glazing**

<table>
<thead>
<tr>
<th>Color</th>
<th>Glazing</th>
<th>Light Transmission</th>
<th>Solar Factor</th>
<th>R-Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear</td>
<td>Single</td>
<td>92%</td>
<td>85%</td>
<td>1.25</td>
</tr>
<tr>
<td>White</td>
<td>Single</td>
<td>56%</td>
<td>56%</td>
<td>1.25</td>
</tr>
<tr>
<td>Bronze</td>
<td>Single</td>
<td>27%</td>
<td>35%</td>
<td>1.25</td>
</tr>
<tr>
<td>Clear/Clear</td>
<td>Double</td>
<td>92%</td>
<td>85%</td>
<td>2.0</td>
</tr>
<tr>
<td>Clear/White</td>
<td>Double</td>
<td>56%</td>
<td>56%</td>
<td>2.0</td>
</tr>
</tbody>
</table>

**Note:** Clear single glazing is the standard option, other options have additional charges and may require longer lead times.

Multiwall (Smoke Vent)

- White (Standard)
- Clear
- Green

**Color Glazing**

<table>
<thead>
<tr>
<th>Color</th>
<th>Light Transmission</th>
<th>Solar Factor</th>
<th>Shading Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear</td>
<td>74%</td>
<td>75%</td>
<td>0.86</td>
</tr>
<tr>
<td>White</td>
<td>52%</td>
<td>63%</td>
<td>0.72</td>
</tr>
<tr>
<td>Bronze</td>
<td>37%</td>
<td>57%</td>
<td>0.65</td>
</tr>
<tr>
<td>Blue</td>
<td>45%</td>
<td>65%</td>
<td>0.74</td>
</tr>
<tr>
<td>Green</td>
<td>42%</td>
<td>60%</td>
<td>0.69</td>
</tr>
</tbody>
</table>

**Note:** White is the standard color, all other colors have additional charges and may require longer lead times.
Babcock-Davis’ polyester based powder coatings demonstrate superior gloss and color retention in a variety of outdoor environments. Powder coat provides outstanding corrosion resistance and exhibits excellent mechanical properties.

**APPLICATION**  
Steel or Aluminum

**WARRANTY**  
5 year

**NOTE**  
Red Oxide and High Reflectance White are the base colors of Roof Hatches and Smoke Vents, all other colors have additional charges and may require longer lead times.

Custom colors available, call 888.412.3726 for more information.

---

**STOCK COLORS**

- Red Oxide FP2
- High Reflectance White FP44
- ANSI 70 Gray FP1
- Safety Yellow FP48

**STANDARD COLORS**  
Readily available, but not stocked by Babcock-Davis.

- Coastal White FP68
- Bone White FP3
- Sandstone FP5
- Sierra Tan FP8
- Colonial Red FP20
- Dark Bronze FP14
- Charcoal Gray FP7
- Super Black FP4

**SPECIAL ORDER**  
Common industry colors, special order.

- Fine Ivory FP13
- Seawolf FP15
- Tan FP17
- Slate Gray FP6
- River Rouge FP21
- Brick Red FP19
- Brown FP18
- Military Blue FP10
- Arcadia Green FP23
- Hemlock Green FP24
- Forest Green FP25
- Teal FP22

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This color chart is for reference only and is not to be used for final color / material matching. Babcock-Davis is not responsible or liable for color matches made with this chart.

Download Drawings, CAD, Spec, and LEED documents at www.BabcockDavis.com
Anodize
FINISH OPTION

Protective and decorative anodizing applied to aluminum creates a corrosion resistant finish.

The clear finish (FA1) uses sulfuric Class II coating with a 0.4-0.7 mil thickness.

The clear finish (FA2) and integral color uses Duranodic with 0.7 mil and thicker.

**APPLICATION** Aluminum  
**WARRANTY** 5 year

Trinar®
FINISH OPTION

Trinar® is a high performance fluoropolymer coating with 70% Polyvinylidene Fluoride (PVDF) and provides maximum resistance against color fade and chalking. The most durable and long lasting finish in the industry; meets or exceeds AAMA 620/621 and AAMA 2605.

**APPLICATION** Aluminum  
**WARRANTY** 10 year (standard) or 20 year

- **STANDARD COLORS**
  - Polar White FK80
  - Bone White FK81
  - Taupe FK82
  - Dove Gray FK83
  - Slate Gray FK84
  - Galaxy Blue FK85
  - Forest Green FK86
  - Autumn FK87
  - Medium Bronze FK88
  - Black FK89

- **SPECIAL ORDER**
  - White Stone FK90
  - Surrey Beige FK91
  - Sandstone FK92
  - Medium Taupe FK93
  - Seal Brown FK94
  - Milano Blue FK95
  - Aged Copper FK96
  - River Rouge Red FK96
  - Bright Silver FK98
  - Copper FK99

Download Drawings, CAD, Spec, and LEED documents at [www.BabcockDavis.com](http://www.BabcockDavis.com)
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Better Partners.