



**UPDATED**  
Personnel™  
Roof Hatch



**Industry's Best Hatch!**  
Pages 6-7

# Rooftop Products

ROOF HATCH, SMOKE VENT + FALL PROTECTION  
07 7200 | PRODUCT CATALOG



Great Products. Better Partners.

# Quality + Safety above all



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

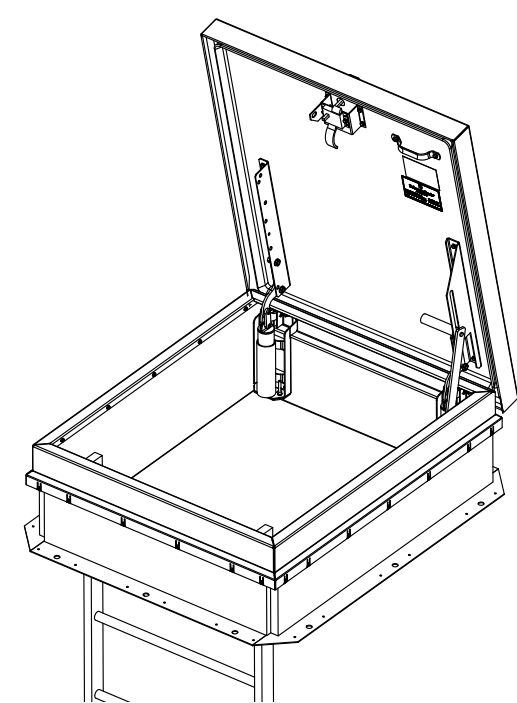
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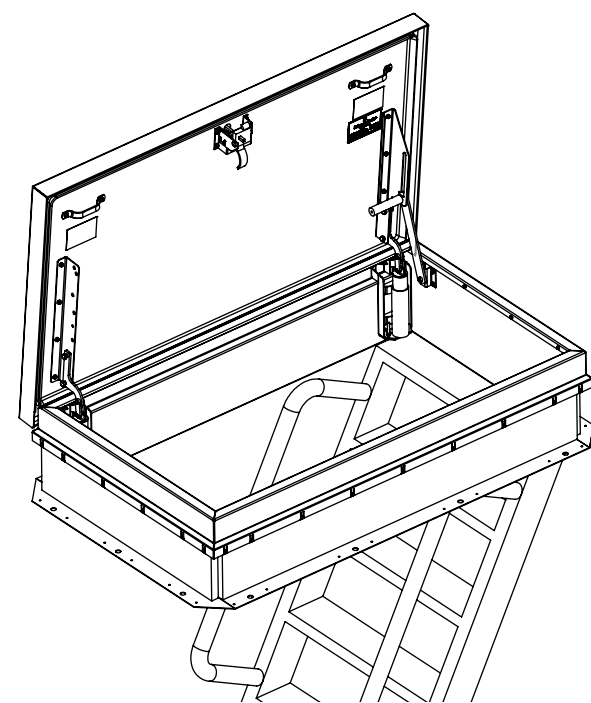
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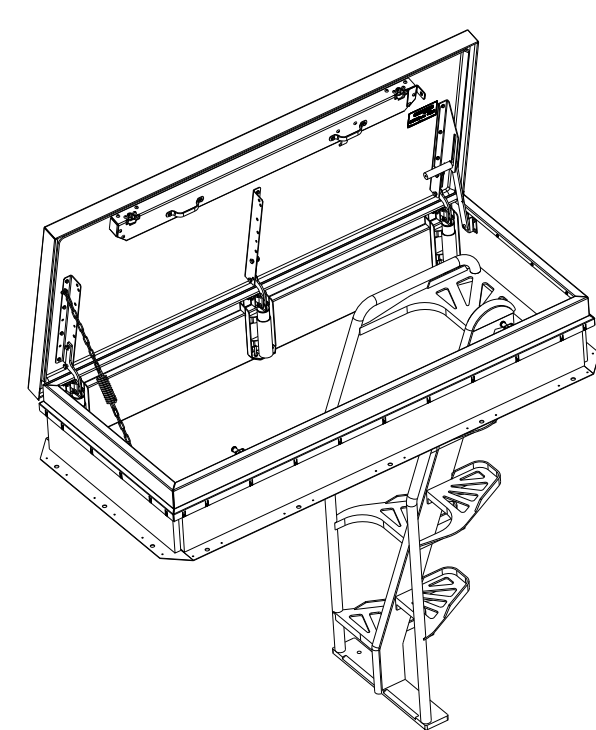
Access



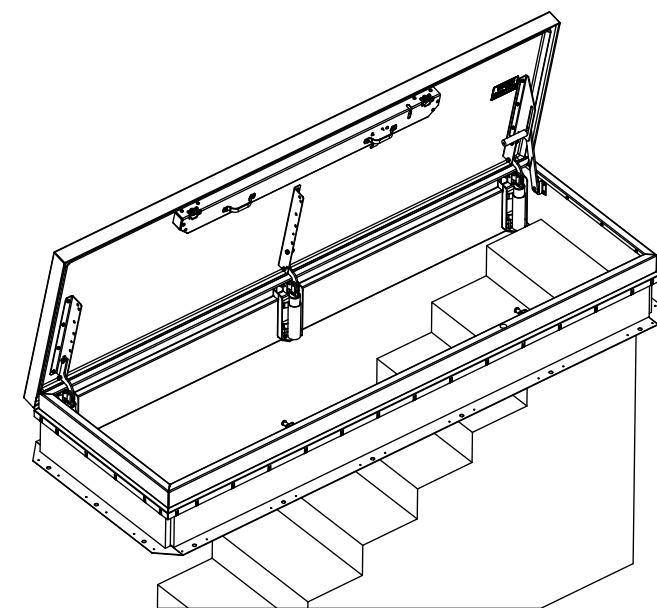
Ladder



Ship Stair



Alternating Tread Stair



Service Stair

ThermalMAX™

ROOF HATCH

The ThermalMAX Roof Hatch sets the new standard for thermally efficient roof hatches. Designed with a thermal break to keep cool-cool 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, units larger than 60" utilize a two-point latch with handles

STANDARD MODELS

ALUMINUM	SIZE (IN.)	DOOR	CURB	ACCESS
BRHTA36X30S1T	36 x 30	Single	Single Wall	Ladder
BRHTA36X36S1T	36 x 36	Single	Single Wall	Ladder
BRHTA48X48S1T	48 x 48	Single	Single Wall	Ladder
BRHTA30X54S1T	30 x 54	Single	Single Wall	Ship Stair or Alternating Tread
BRHTA30X96S1T	30 x 96	Single	Single Wall	Service Stair

Additional sizes and options available, call for more information.

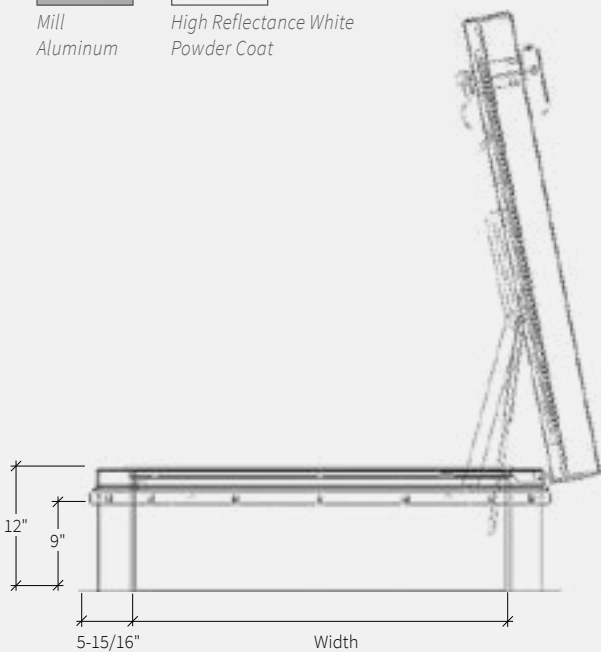
FINISHES



Mill Aluminum



High Reflectance White Powder Coat





# Personnel™

## SINGLE POINT LATCH ROOF HATCH

The Personnel Roof Hatch is improved to offer superior weather resistance in an easy to order stock roof hatch. The industry’s leading roof hatch is customizable, sized for OSHA compliant safety railings and available in a variety of materials and finishes.

### FEATURES

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

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

**SUPERIOR POWDER-COAT FINISH** The standard red oxide powder-coat finish provides outstanding corrosion resistance, superior gloss and color retention.

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



### FINISHES



Mill Aluminum



2B Matte Stainless Steel



Red Oxide Powder Coat



High Reflectance White Powder Coat

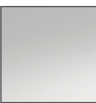
## 2-POINT LATCH ROOF HATCH



### FINISHES



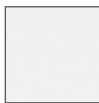
Mill Aluminum



2B Matte Stainless Steel



Red Oxide Powder Coat



High Reflectance White Powder Coat



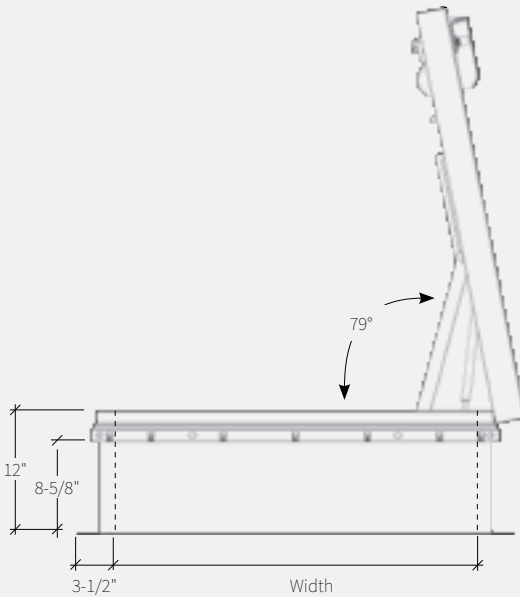
### 2-POINT LATCH

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

### STANDARD MODELS

RED STEEL	WHITE STEEL	ALUMINUM	SIZE (IN.)	ACCESS	LATCH
BG3072	BW3072	BA3072	30 x 72	Ship Stair	2-Point
BG3096	BW3096	BA3096	30 x 96	Service Stair	2-Point
BG3696	BW3696	BA3696	36 x 96	Service Stair	2-Point

\* Not approved for Miami-Dade or State of Florida  
Additional sizes and options available, call for more information.



### DETAILS

- MATERIAL**
- 11 gauge Aluminum, mill finish
  - Steel 14 gauge galvaneal, red coat
  - Stainless steel not Miami-Dade or Florida approved

**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

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

### STANDARD MODELS

RED STEEL	WHITE STEEL	ALUMINUM	SIZE (IN.)	ACCESS	LATCH
BG3054	BW3054	BA3054	30 x 54	Ship Stair	Single Point
BG3630	BW3630	BA3630	36 x 30	Ladder	Single Point
BG3636	BW3636	BA3636	36 x 36	Ladder	Single Point
BG4848	BW4848	BA4848	48 x 48	Ladder	Single Point

Additional sizes and options available, call for more information.

### SINGLE POINT LATCH

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

**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

# 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.



# 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

- 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

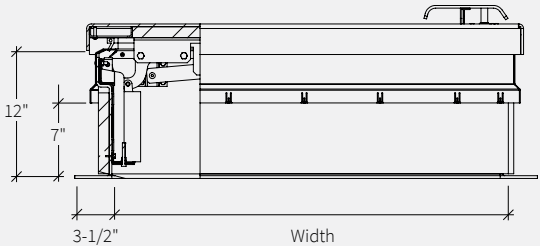
**GASKET** Extruded EPDM adhesive backed gasket seal, continuous around cover

**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



### 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 galvalume, red oxide powder coat

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

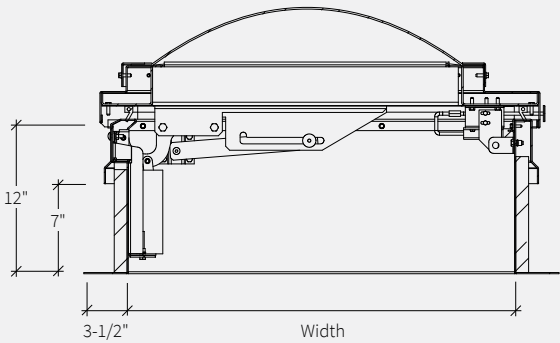
**GASKET** Extruded EPDM adhesive backed gasket seal continuous around cover

**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

### FINISHES



### STANDARD MODELS

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

Additional sizes and options available, call for more information.

### STANDARD MODELS

ALUMINUM	STEEL + ALUMINUM	SIZE (IN.)	ACCESS	DOOR	CURB
BRHLA36X30S1P	BRHLB36X30S1P	36 x 30	Ladder	Single	Single Wall
BRHLA36X36S1P	BRHLB36X36S1P	36 x 36	Ladder	Single	Single Wall

Additional sizes and options available, call for more information.

# Equipment

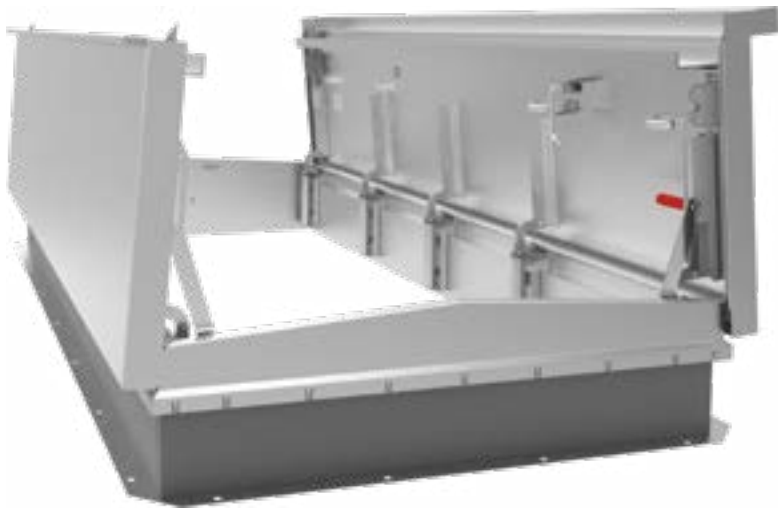
## HATCH

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 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 galvalume, 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

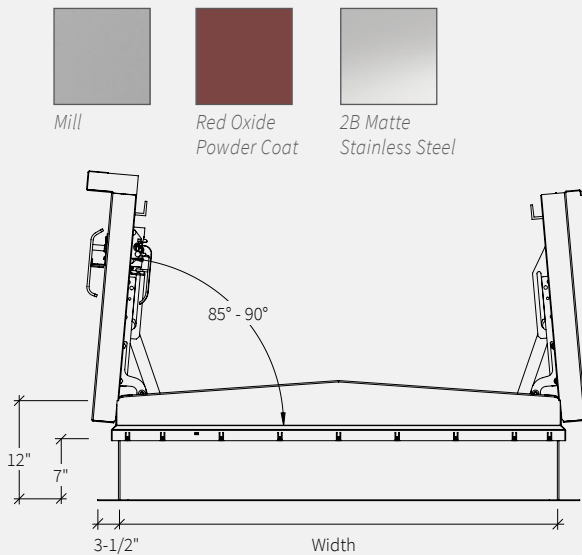
**GASKET** Extruded EPDM adhesive backed gasket seal continuous around cover

**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



### STANDARD MODELS

GALVANIZED STEEL	ALUMINUM	STAINLESS STEEL	SIZE (IN.)	DOOR	CURB
BRHEG48X48S1T	BRHEA48X48S1T	BRHES48X48S1T	48 x 48	Single	Single Wall
BRHEG60X60D1T	BRHEA60X60D1T	BRHES60X60D1T	60 x 60	Double	Single Wall
BRHEG72X72D1T	BRHEA72X72D1T	BRHES72X72D1T	72 x 72	Double	Single Wall
BRHEG60X120D1T	BRHEA60X120D1T	BRHES60X120D1T	60 x 120	Double	Single Wall

Additional sizes and options available, call for more information.

# 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.



Safety Yellow Powder Coat option shown

### 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

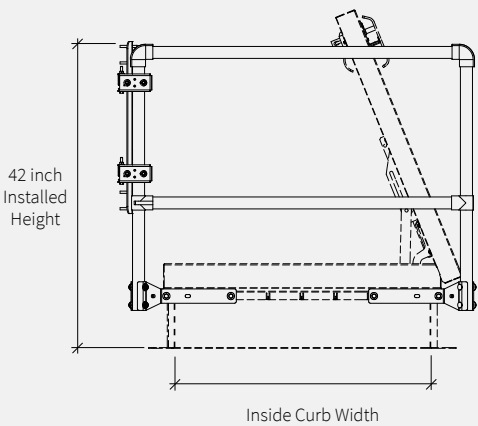
**MOUNTING BRACKETS** 3/16 inch steel, zinc-plated with nut backing plate

**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

**COMPLIANCE** OSHA 29 CFR 1910.29, 1910.28, 1910.23, 1926.502 and 1926.501



### STANDARD MODELS

GATE CLOSURE			
YELLOW	MILL	SIZE (IN.)	ACCESS
SRCAY36X30FG	SRCA36X30FG	36 x 30	Front
SRCAY36X36SG	SRCA36X36SG	36 x 36	Front
SRCAY48X48FG	SRCA48X48FG	48 x 48	Front
SRCAY30X54SG	SRCA30X54SG	30 x 54	Side
SRCAY30X72SG	SRCA30X72SG	30 x 72	Side
SRCAY30X96SG	SRCA30X96SG	30 x 96	Side

Additional sizes available, call for more information.

### THERMALMAX™ MODELS

GATE CLOSURE			
YELLOW	MILL	SIZE (IN.)	ACCESS
SRBAY36X30FG	SRBA36X30FG	36 x 30	Front
SRBAY36X36FG	SRBA36X36SG	36 x 36	Front
SRBAY48X48FG	SRBA48X48FG	48 x 48	Front
SRBAY30X54SG	SRBA30X54SG	30 x 54	Side
SRBAY30X96SG	SRBA30X96SG	30 x 96	Side



# Ladder 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

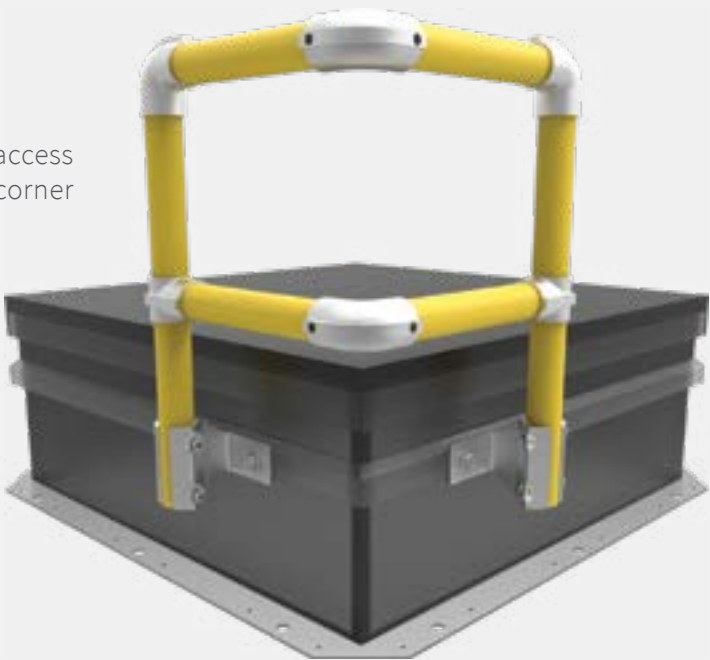
### STANDARD MODELS

MODEL	MATERIAL	FINISH
BSPY	Steel	Powder Coat, Yellow
BSPG	Steel	Hot Dip Galvanized
BSPA	Aluminum	Mill
BSPS	Stainless Steel	Mill

# 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.



Safety Yellow Powder Coat option shown

### 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

MODEL	MATERIAL	FINISH
BSGBAY	Aluminum	Powder Coat, Safety Yellow
BSGBA	Aluminum	Mill

# SafeMAX™ (Single Door)

## 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.



### FEATURES

**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 galvalume, 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

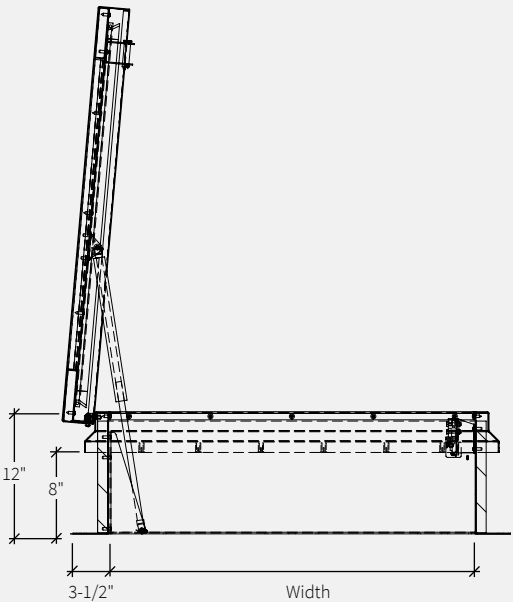
**HINGE** Heavy-duty pintle hinge with stainless steel hinge pins

**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 for 360° fuseable link



### ORDER GUIDE

BASE	MATERIAL	WIDTH	X	LENGTH	DOOR	CURB	OPENING	LINK TEMP (°F)	CLOSING	—	OPTIONS
BSVS			X							—	
	<b>A</b> Aluminum Curb & Cover	<b>Standard Sizes (W x L)</b> " " 36" x 30" 36" x 36" " " 48" x 72" 48" x 96"			<b>S</b> Single Door	<b>1</b> Single Wall	<b>N</b> No Electrical <b>L</b> 24VDC/24VAC <b>H</b> 110VAC / 240VAC	<b>165</b>	<b>350</b>	<b>R</b> Rooftop Close	<b>SFM</b> FM Labeled <b>OP1</b> Door Position Sensor <b>B</b> Burglar Bars
	<b>B</b> Galvalume Curb / Aluminum Cover					<b>2</b> Double Wall		<b>212</b>	<b>360</b>		
	<b>W</b> Galvalume Curb & Cover					<b>3</b> Curb Mount		<b>280</b>	<b>450</b>		
		Additional size options also available.									

# 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

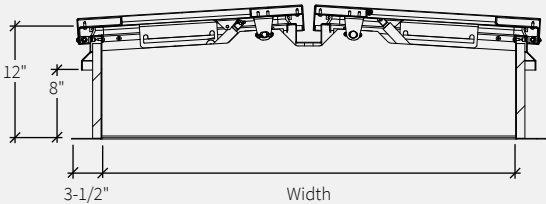
- SECURE CLOSURE** The reliable rotary latch has been third party independently tested to hold smoke vent covers closed against a 135psf wind uplift.
- OPTIONAL 2 INCH INSULATION** Optimize energy efficiency and upgrade thermal insulation to R-12 with 2 inch of Polyiso in the cover and curb while maintaining UL Listing.



### DETAILS

- MATERIAL**
  - Aluminum: 11 gauge, mill finish
  - Steel: 14 gauge galvalneal, 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 for 360° fuseable link



### ORDER GUIDE

BASE	MATERIAL	WIDTH	X	LENGTH	DOOR	CURB	OPENING	LINK TEMP (°F)	CLOSING	—	HOLD OPTIONS
BSVS			X							—	
	A Aluminum Curb & Cover	Standard Sizes (W x L) " " 48" x 72" 48" x 96" " " 60" x 96" 60" x 120" 72" x 72" 72" x 96" Additional size options also available.			D Double Door	1 Single Wall	N No Electrical	165 350	R Rooftop Close	SFM FM Labeled OP1 Door Position Sensor B__ Burglar Bars	
	B Galvalneal Curb / Aluminum Cover				Q Quad Door	2 Double Wall	L 24VDC/24VAC	212 360	W Manual Winch		
	W Galvalneal Curb & Cover					3 Curb Mount	H 110VAC / 240VAC	280 450	L Linear Actuator*		
							A Linear Actuator*				

\*Voids UL

# 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

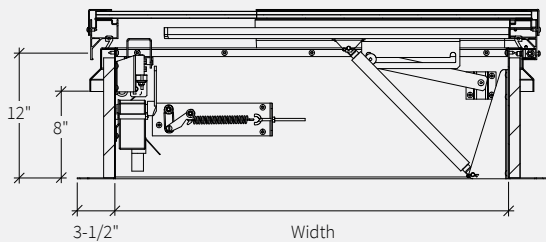
- MULTIWALL LIGHT TRANSMISSION** Add optional color panels (pg. 25) to change natural daylighting characteristics.
- OPTIONAL DOME** Add the traditional look of a domed skylight with 1/8 inch thick UV coated polycarbonate available in clear, white or bronze colors.



### 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 galvalneal, 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



### ORDER GUIDE

BASE	MATERIAL	WIDTH	X	LENGTH	DOOR	CURB	OPENING	LINK TEMP (°F)	CLOSING	—	OPTIONS
BSVL			X							—	
	A Aluminum Curb & Cover	Standard Sizes (W x L) " " 36" x 30" 36" x 36" " " 48" x 72" 48" x 96" Additional size options also available.			S Single Door	1 Single Wall	N No Electrical	165 350	R Rooftop Close	Dome, Polycarb. LPW White LPC Clear Double Dome, Polycarb. LPWW White/White LPCW Clear/White Multiwall LMC Clear LMZ Bronze LMB Blue LMG Green	
	B Galvalneal Curb / Aluminum Cover					2 Double Wall	L 24VDC/24VAC	212 360	W Manual Winch		
						3 Curb Mount	H 110VAC / 240VAC	280 450			



# 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 bronze colors.

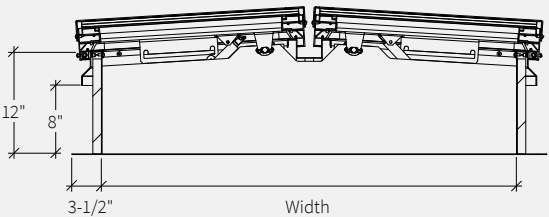


### DETAILS

- 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 galvaneal, 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



### ORDER GUIDE

BASE	MATERIAL	WIDTH	X	LENGTH	DOOR	CURB	OPENING	LINK TEMP (°F)	CLOSING	—	OPTIONS
BSVL			X							—	
	A Aluminum Curb & Cover	Standard Sizes (W x L) " " 48" x 72" 48" x 96" " " 60" x 96" 60" x 120" 72" x 72" 72" x 96"			D Double Door	1 Single Wall	N No Electrical	165 350	R Rooftop Close		Dome, Polycarb. LPW White LPC Clear  Double Dome, Polycarb. LPWW White/White LPCW Clear/White  Multiwall LMC Clear LMZ Bronze LMB Blue LMG Green
	B Galvaneal Curb / Aluminum Cover				Q Quad Door	2 Double Wall	L 24VDC/24VAC	212 360	W Manual Winch		
					3 Curb Mount	H 110VAC / 240VAC		280 450			
		Additional size options also available.									

# AcousticMAX™

(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

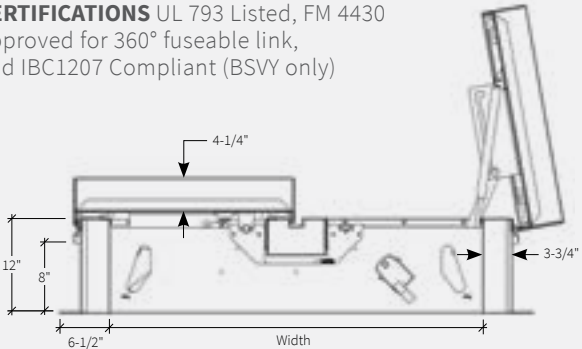
- SUPERIOR THERMAL PERFORMANCE** The BSVY (STC-50) AcousticMAX R-14 energy-efficient smoke vent is designed to save money with reduced heat loss.
- INNOVATIVE SOUND CONTROL** Designed to keep out unwanted noises ensuring acoustical integrity when all you want to hear is the performance.
- PREFINISHED 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 galvaneal 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

- 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 for 360° fuseable link, and IBC1207 Compliant (BSVY only)



### ORDER GUIDE

BASE	RATING	MATERIAL	WIDTH	X	LENGTH	DOOR	CURB	OPENING	LINK TEMP (°F)	CLOSING	—	OPTIONS
BSV		G		X							—	
	X STC 48 Y STC 50	G Galvaneal Steel	Standard Sizes (W x L) " " 48" x 72" 48" x 96" " " 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 A Linear Actuator*	165 350 212 360 280 450	R Rooftop Close W Manual Winch L Linear Actuator*	*Voids UL	SFM FM Labeled OP1 Door Position Sensor B___ Burglar Bars

# 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

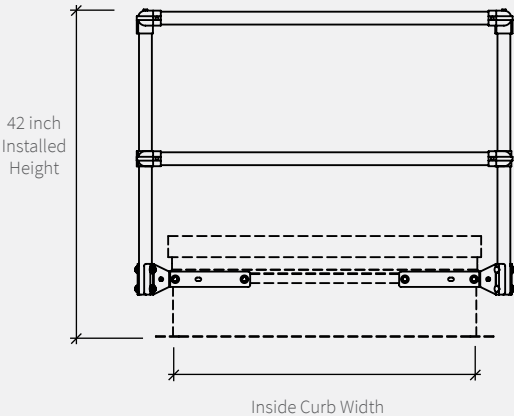
**MATERIAL** Rails and posts, aluminum, 1-1/4 inch ID (1.66 inch) Schedule 40 pipe

**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

4-SIDED	
MODEL	SIZE (IN.)
SRVAY36X30NN	36 x 30
SRVAY36X36NN	36 x 36
SRVAY48X48NN	48 x 48
SRVAY48X96NN	48 x 96
SRVAY60X96NN	60 x 96
SRVAY60X120NN	60 x 120
SRVAY60X144NN	60 x 144
SRVAY72X144NN	72 x 144

2-SIDED	
MODEL	SIZE (IN.)
SRVAY48XNNTN	48
SRVAY60XNNTN	60
SRVAY72XNNTN	72

# 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.

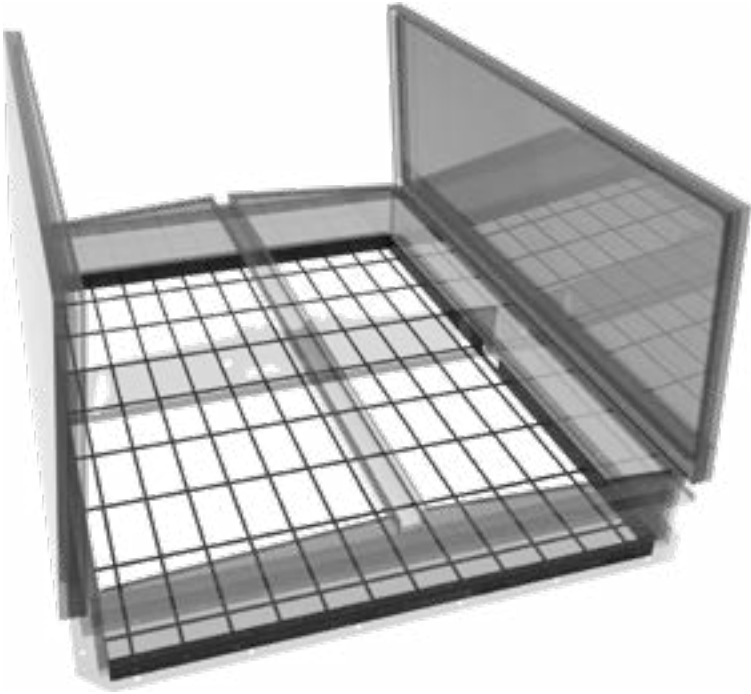
### DETAILS

**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

MODEL	DIAMETER	SPACING
B1A	1/2"	6" x 12"
B1B	1/2"	6" x 6"
B2A	3/4"	6" x 12"
B2B	3/4"	6" x 6"



# 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

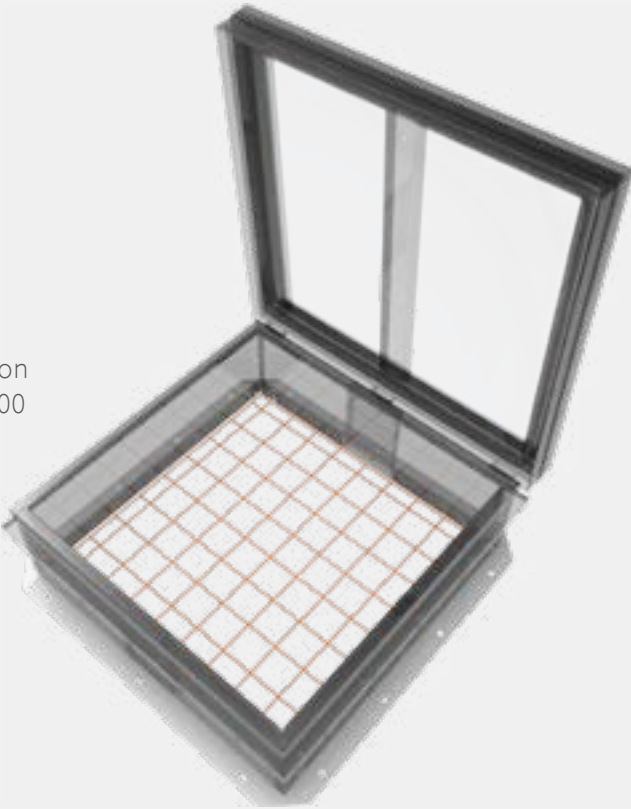
**MATERIAL** Steel, 0.163 inch diameter

**SPACING** 4 inch by 4 inch

**COMPLIANCE** OSHA 1926.502c and 1910.28

### ORDER GUIDE

MODEL	DIAMETER	SPACING
B3C	0.163"	4" x 4"



# 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

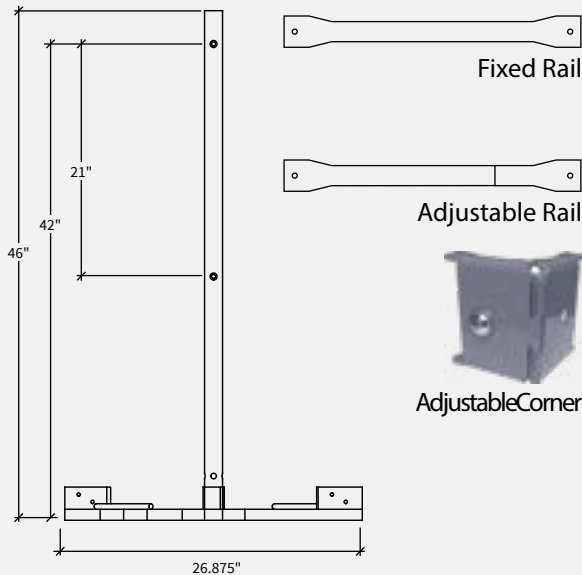
**RAIL FASTENERS** 3/8 inch - 16 by 1 inch zinc-plated steel

**COMPLIANCE** OSHA 29 CFR 1910.28 and 1910.29

### MODELS

MODEL	DESCRIPTION	DIMENSION	MATERIAL + FINISH
BGR-WBP-ASM-RN	Weighted Base and Post	26.875" x 46"	Steel, Powder Coat
BGR-WBPR-004-RN	Fixed Rail*	4'	Steel Powder Coat
BGR-WBPR-005-RN	Fixed Rail*	5'	Steel Powder Coat
BGR-WBPR-008-RN	Fixed Rail*	8'	Steel Powder Coat
BGR-WBPR-010-RN	Fixed Rail*	9'- 10"	Steel Powder Coat
BGR-WBPR-ADJ-043-RN	Adjustable Rail*	2'-5" to 3'-9"	Steel Powder Coat
BGR-WBPR-ADJ-070-RN	Adjustable Rail*	3'-9" to 5'-10"	Steel Powder Coat
BGR-WBPR-ADJ-120-RN	Adjustable Rail*	5'-10" to 10'	Steel Powder Coat
BGR-WB-AC	Adjustable Corner*		Steel Powder Coat

*\*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

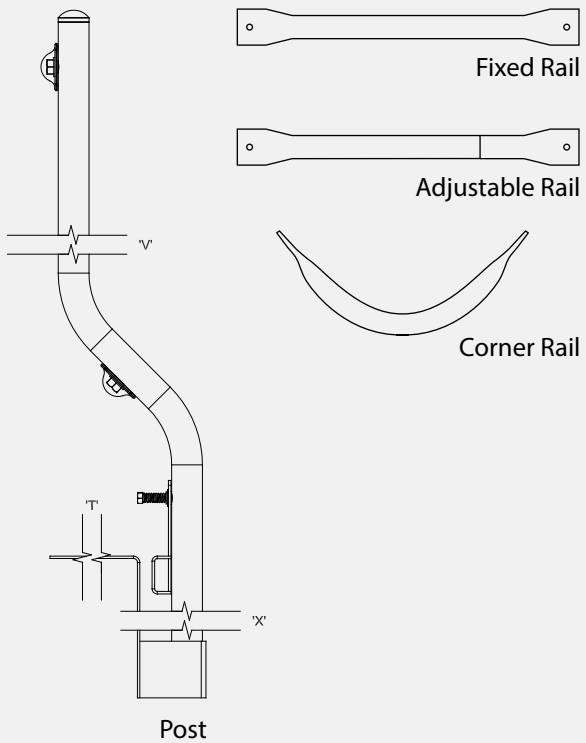
**RAIL FASTENERS** 3/8 inch - 16 x 1 inch zinc-plated steel

**COMPLIANCE** OSHA 29 CFR 1910.28 and 1910.29

### STANDARD MODELS

MODEL	DESCRIPTION	DIMENSION	MATERIAL + FINISH
BFP-GRPLG	Edge Mount Post	42"	Steel, Powder Coat
BFP-GRF60	Fixed Rail*	5'	Steel, Powder Coat
BFP-GRF96	Fixed Rail*	8'	Steel, Powder Coat
BFP-GRF118	Fixed Rail*	9'- 10"	Steel, Powder Coat
BFP-GRA43	Adjustable Rail*	2'-5" to 3'-9"	Steel, Powder Coat
BFP-GRA70	Adjustable Rail*	3'-9" to 5'-10"	Steel, Powder Coat
BFP-GRA120	Adjustable Rail*	5'-10" to 10'	Steel, Powder Coat
BFP-GRC12	Corner Rail*	12"	Steel, Powder Coat

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





Complementary  
Exterior Products

# Exterior ACCESS DOOR

The Babcock-Davis Exterior Access Door provides efficient access from the exterior of your building without compromising security or weather resistance.

## FEATURES

- COMPATIBLE WITH BUILDING KEY** With the mortise lock prep option, you can match the mortise cylinder to that of your building's other access points.
- TEMPERATURE CONTROL** With 1.6 inch polyurethane insulation, the Babcock-Davis Exterior Door is constructed to protect your building from the harshest climates.
- AIR + WATER PENETRATION TEST** Independent lab testing for air leakage per ASTM E 283 and water leakage per ASTM E 331-00 assures the best protection against the elements.



Complementary  
Exterior Products

# Coastal Zone EXTERIOR ACCESS DOOR

Babcock-Davis Coastal Zone Exterior Access Door is the industry's only high velocity and impact tested door. With a design pressure of +/- 80psf, this door is sure to withstand mother nature's toughest storms.

## FEATURES

- IMPACT, AIR + WIND PRESSURE TESTED** Independent lab tested to TAS 201, 202 and 203 assures the best protection against the harshest elements.
- TEMPERATURE CONTROL** With 1.6 inches of closed cell polyurethane insulation, the Babcock-Davis Coastal Zone Exterior Door delivers a R-11 thermal value.
- CUSTOM SIZES** Available in 1/4 inch increments from 18 inches by 18 inches to 36 inches by 48 inches maximum.



## DETAILS

- DOOR** 24 gauge Steel
- FRAME** 0.080 inch 6063-T5 Extruded Aluminum
- SIZE**
- Min: 12 inches by 12 inches
  - Max: 48 inches by 60 inches
- INSTALLATION** Ceiling or Wall
- FLANGE** Exposed or Plaster/Stucco Bead
- HINGE** Stainless Steel Continuous Piano
- FINISH**
- Door: Paint Grip Finish
  - Frame: Mill
- INSULATION** 1.7 inch Polyurethane; R-11
- GASKETING** EPDM Self-Adhesive, Continuous

## FLANGES



1 inch  
Flange



Plaster/Stucco  
Bead

## LATCHES



Non-Locking  
Handle



Screwdriver  
Cam Latch



Locking  
Handle



Mortise  
Lock Prep

## ORDER GUIDE

BASE	FLANGE	LATCH	WIDTH	X	LENGTH	OPTIONS
BX				X		
	T 1 inch Flange	A Non-Locking Handle	Standard Sizes (W x L) 12" x 12" 20" x 30" 24" x 36" 16" x 16" 24" x 24" 36" x 36" 18" x 18" 24" x 30"			A Aluminum Door
	P Plaster/Stucco bead	C Screwdriver Cam Latch				C Drip Cap
		L Locking Handle				P Padlock Hasp
		M Mortise Lock (1-1/8") Prep				S Type 304 Stainless Steel

Rough opening is door size. Additional sizes available, call for more information.

## DETAILS

- DOOR** 24 gauge Steel
- FRAME** 0.080 inch 6063-T5 Extruded Aluminum
- SIZE**
- Min: 18 inches by 18 inches
  - Max: 36 inches by 48 inches
- INSTALLATION** Wall
- FLANGE** Exposed
- HINGE** Stainless Steel Continuous Piano
- FINISH**
- Door: Paint Grip Finish
  - Frame: Mill
- INSULATION** 1.7 inch Polyurethane; R-11
- GASKETING** EPDM Self-Adhesive, Continuous
- COMPLIANCE** Tested to Miami-Dade County performance requirements; Florida Product Approval FL22309-R1

## FLANGES



1 inch  
Flange

## LATCHES



Locking  
Handle



Non-Locking  
Handle

## ORDER GUIDE

BASE	LATCH	WIDTH	X	LENGTH	OPTIONS
BXT			X		-H
	A Non-Locking Handle	Standard Sizes (W x L) 18" x 18" 24" x 30" 24" x 36" 20" x 30" 24" x 36" 24" x 24" 36" x 36"			C Drip cap
	L Locking Handle				S Type 304 Stainless Steel Door

Rough opening is door size. Additional sizes available, call for more information.

# Locks *(Roof Hatch)*



Detention Lock



Mortise Operated Deadbolt

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

MODEL	TYPE	BRAND	DESCRIPTION	LOCK ACCESS
D11	Detention	Brinks 7016	Keyed Lock	Interior + Exterior
D5A	Detention	Southern Steel 1010AM	Prep Only	Interior + Exterior
D2A	Detention	Southern Steel 1010A	Prep Only	Interior Only
D12	Detention	Brinks 7016	Keyed Lock	Interior Only
MS1	Mortise	Schlage Cylinder/Deadbolt	Keyed Lock	Interior + Exterior
MS2	Mortise	Schlage Cylinder/Deadbolt	Keyed Lock	Interior Only
MB4	Mortise	Best Cylinder/Schlage Deadbolt	Non-Keyed w/Plastic Core	Interior + Exterior

# Operations *(Smoke Vent)*

## OPENING



Fusible Link



Electrical  
H - 110/120  
L - 24



Pull Handle  
(External & Internal)

## CLOSING



Rooftop Close  
R



Manual Winch  
W



Linear Actuator  
L

## SECURITY



Door Position  
Sensor OP1

Note: Also available on Roof Hatches

# Curbs



Single Wall  
1



Double Wall  
2



Curb Mount  
3



No Counterflash  
4



Apron Mount  
5



1-1/2" Curb Mount  
6

## CURB HEIGHT



6 inch - 48 inch  
H6 - H48

## PITCH CORRECTION



Match Roof Pitch  
P\_\_

## INSULATION



1 inch Polyiso  
IPP



2 inch Polyiso  
IRR

## VENTILATION



Louvered Curb  
V33

# Domes *(Roof Hatch + Smoke Vent)*



Clear  
(Standard)



White  
LPW



Bronze  
LPZ

COLOR	GLAZING	LIGHT TRANSMISSION	SOLAR FACTOR	R-VALUE
Clear	Single	92%	85%	1.25
White	Single	56%	56%	1.25
Bronze	Single	27%	35%	1.25
Clear/Clear	Double	92%	85%	2.0
Clear/White	Double	56%	56%	2.0

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  
LMC



Bronze  
LMZ

COLOR	LIGHT TRANSMISSION	SOLAR FACTOR	SHADING COEFFICIENT
Clear	74%	75%	0.86
White	52%	63%	0.72
Bronze	37%	57%	0.65

Note: White is the standard color, all other colors have additional charges and may require longer lead times.

# Powder Coat

## FINISH OPTION

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.


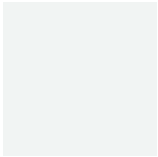


**APPLICATION** Steel or Aluminum

**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

*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.*

# 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

			
Clear FA1 / FA2	Champagne FA3	Light Bronze FA4	Medium Bronze FA5
			
Dark Bronze FA6	Extra Dark Bronze FA7	Black FA8	

# 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 *Common industry colors, 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



A black and white photograph of two men shaking hands in front of large windows. The man on the left is wearing glasses, a light-colored button-down shirt, and light-colored trousers. The man on the right is wearing a sweater over a collared shirt and dark trousers. They are both smiling and looking at each other. A large, dark, diagonal shape is overlaid on the left side of the image.

Great Products.  
Better Partners.



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