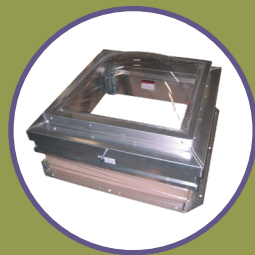
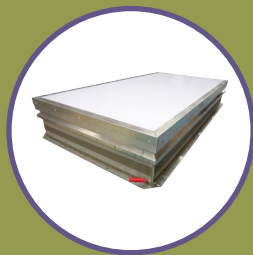


# ROOF HATCHES & SMOKE VENTS

September 2013







Babcock-Davis, a trusted name in the commercial construction industry, specializes in providing commercial building products - those specialty items that are not normally of highest priority but are essential components in any building project.

We provide Roof Hatches, Smoke Vents, Access Doors, Floor Doors, Stair Treads and Nosings, Entrance Flooring Systems, and Wall & Door Protection when and where you need them. We build our services around your specified needs.

Contact us, we are Always Right There.



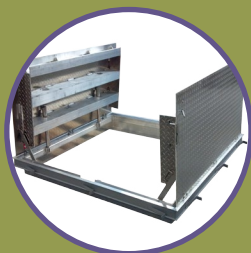
Babcock-Davis' philosophy is one of customer first. As your partner in the construction market, we understand your business and provide solutions to improve your bottom line. We offer direct access to people who take complete care of your needs and full responsibility for the process from beginning to end.



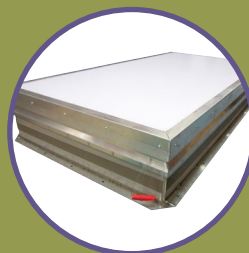
Access Doors



Roof Hatches



Floor Doors



Smoke Vents



Entrance Flooring



Wall Protection



Stair Treads

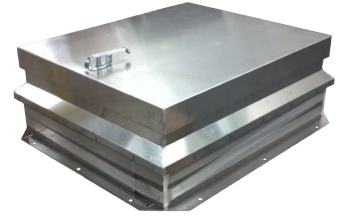


## PRODUCT FAMILY

### HIGH EFFICIENCY

PG 5

High efficiency roof hatches are ideal for cool roof applications. They include 1"-2" polyisocyanurate insulation providing superior thermal performance as well as high reflectance white powder coat paint options.



### HURRICANE HATCH™

PG 7

The Babcock-Davis Hurricane Hatch™ is Miami-Dade and FL product approved. It exceeds 100psf design pressure performance, the industry's highest.



### PERSONNEL

PG 8-9

Personnel roof hatches provide safe, convenient roof access and accommodate fixed vertical ladder, ship stair, and service stair applications.



### SUNLIT™

PG 10

SunLit roof hatches include a polycarbonate domed cover for natural daylighting benefits.



### SECURITY

PG 11

Security roof hatches include heavier gauge materials with lock options and are ideal for high security applications like banks, correctional facilities, and water treatment plants.



### EQUIPMENT

PG 12

Babcock-Davis is well-known for providing the industry's largest custom sized roof hatches.



### SAFETY PRODUCTS AND OPTIONS

PG 14-15

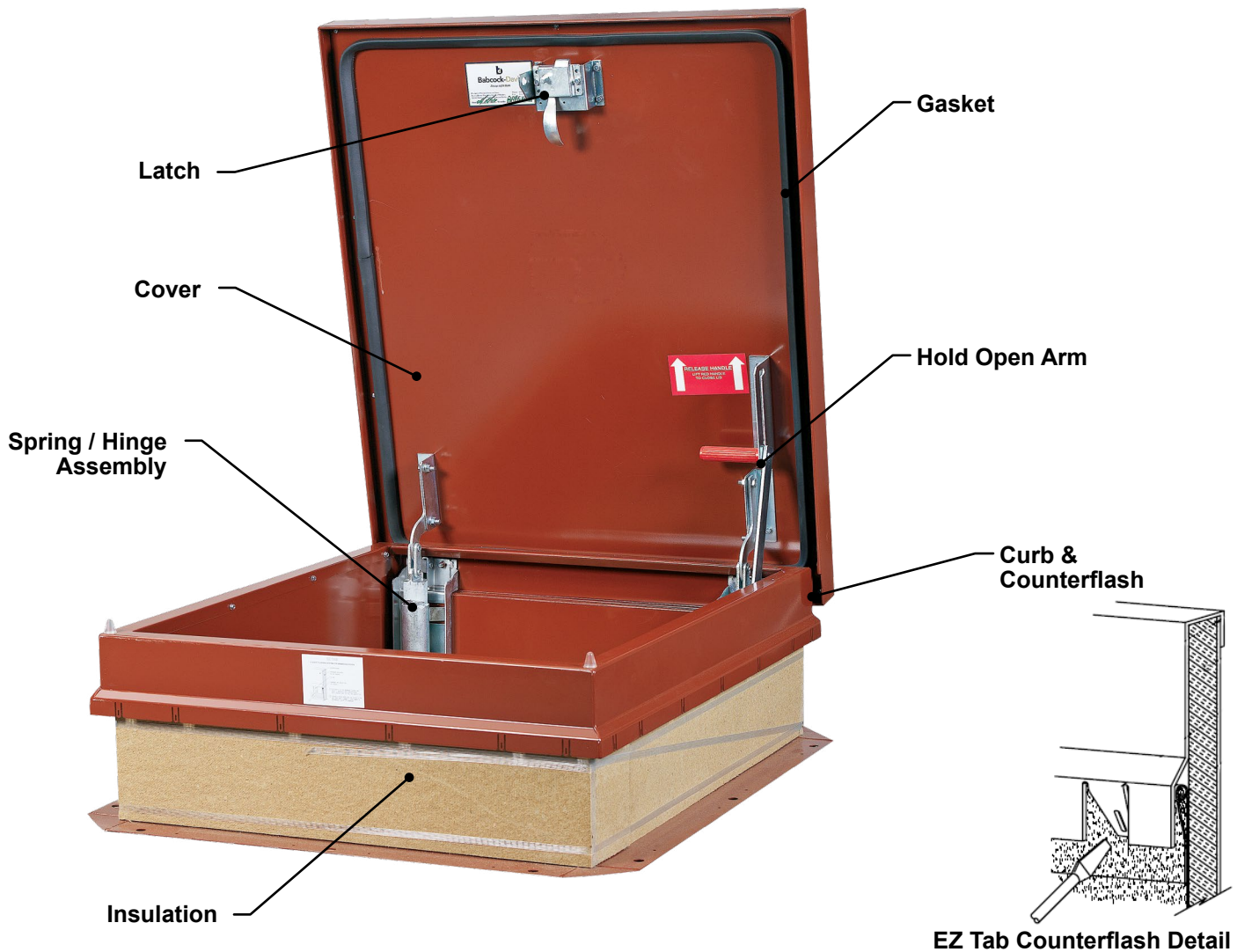
- Safety Railings
- Safety Posts
- Safety Nets
- Standard and custom colors
- Curb Options





## PRODUCT FEATURES

Babcock-Davis roof hatches provide safe convenient access to commercial building roof areas using interior ladders and stairs. For ultimate corrosion resistance and outstanding exterior durability, Babcock-Davis provides powder coat finish in a wide range of standard and custom colors.



### FEATURES & BENEFITS

- Corrosion resistant with powder coat finish
- Weathertight with continuous EPDM seal
- Energy efficient with fully insulated cover and curb
- Secure latching
- Lift assistance
- Easy installation with EZ tab counterflash

### COMMERCIAL APPLICATIONS

- Schools, auditoriums
- Manufacturers, factories, warehouses
- Hospitals, hotels
- Office buildings, shopping malls
- Embassies
- Correctional facilities
- Water treatment facilities



## HIGH EFFICIENCY

### BRHP-I: SPECIFICATIONS

**Material:**

- Aluminum 11 gauge, mill finish
- Steel 14 gauge galvalneal, high reflectance white powder coat

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

**Curb:** Single wall curb with EZ tab counterflash and mounting flange with 5/8" and 3/16" holes

**Insulation:** Polyisocyanurate in cover and curb

- 1" Thick R-Value 6
- 2" Thick R-Value 12

**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 locks cover in open position

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

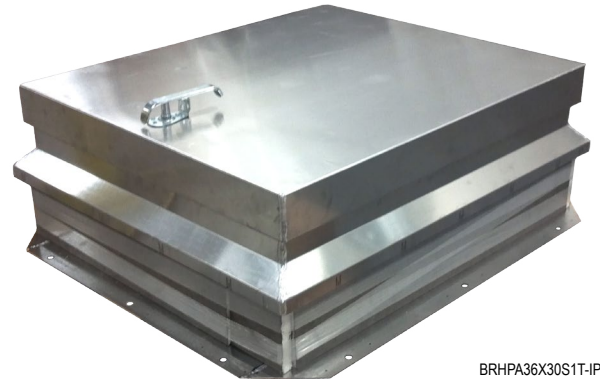
**Sizes:** Industry standard and custom sizes available



**Energy  
Efficient**

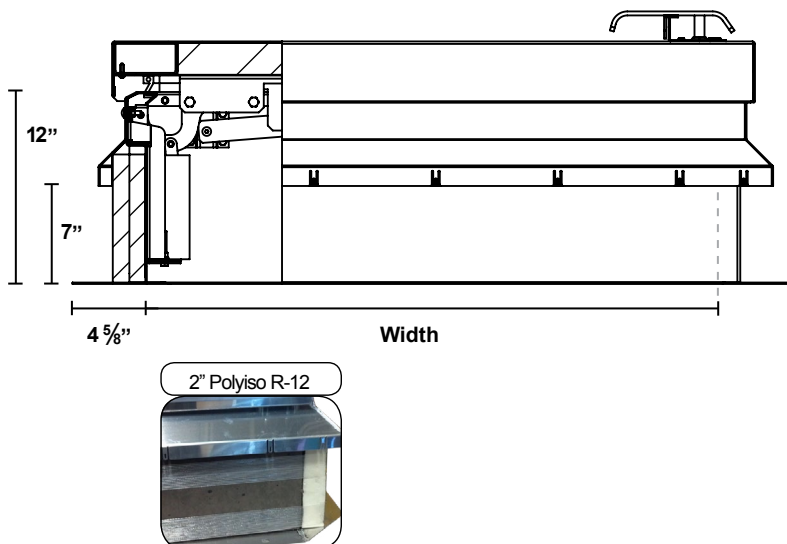
**R-12  
Insulation**

**White  
Powder  
Coat**



BRHPA36X30S1T-IPP

### BRHP-I



BRHPW30X54S2T-IRR

**BRHP**

**MATERIAL**

**WIDTH**

**LENGTH**

**S**

**CURB**

**T**

**INSULATION**

MATERIAL	
A	ALUM CURB & COVER
B	GALVANNEALED CURB, ALUM COVER
W	GALVANNEALED CURB & COVER, WHITE

SIZE (WIDTH & LENGTH)		
LADDER	SHIP STAIR	SERVICE STAIR
36" x 30"	30" x 54"	30" x 96"
36" x 36"	36" x 54"	36" x 96"
48" x 48"	30" x 77"	48" x 120"

CURB	
1	SINGLE WALL
2	DOUBLE WALL
3	CURB MOUNT
4	DOUBLE WALL, No COUNTERFLASH

INSULATION	
IPP	1" POLYISO INSULATION
IRR	2" POLYISO INSULATION

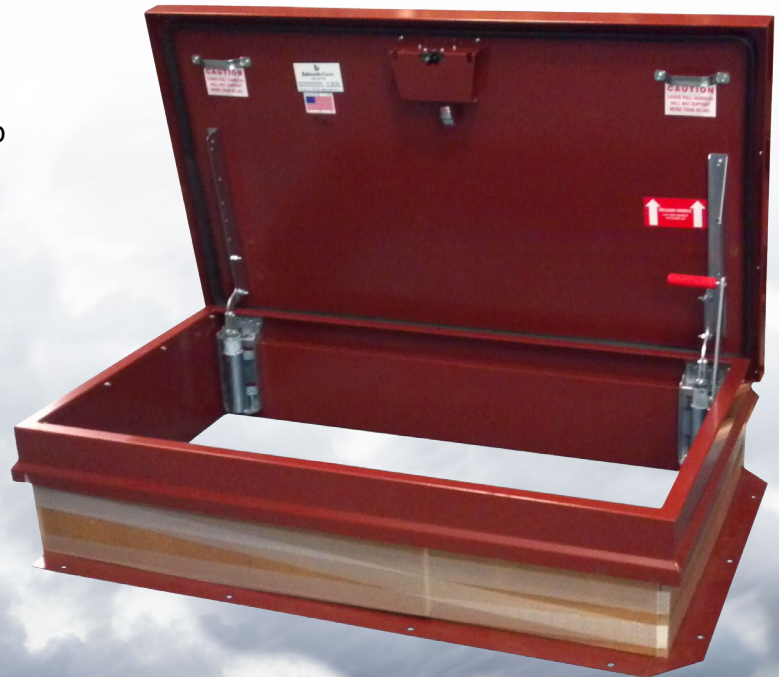


## HURRICANE HATCH™

Babcock-Davis Hurricane Hatch™ meets all Florida and Miami Dade building code standards. The Hurricane Hatch exceeds **100psf design pressure performance**, the industry's highest.

The Hurricane Hatch™ is ideal for hurricane-prone regions including U.S. Atlantic Ocean and Gulf of Mexico coasts where basic wind speed is greater than 90mph.

- Miami-Dade product approved
- Florida product approval FL15803
- Meets all Florida & Miami-Dade Standards
  - Independent test lab certified with PE stamp
    - TAS201 Impact test
    - TAS 202 Uniform Static Air Pressure
      - Exceeds 100 PSF
      - Highest certified in the market
    - TAS 203 Cyclic Wind Pressure Loading
    - Forced Entry Test
- High performance patented Rotary Latch
- Available in aluminum and steel
  - Standard sizes: 36"x30", 36"x36", 30"x54"
  - Custom sizes available
    - Up to 11.25 ft² max area
- Superior powder coat finish
  - Standard color red oxide
  - Custom colors available



BRHZG30X54S1T

**MIAMI-DADE COUNTY**  
**APPROVED**

NOA# 12-0320.29

Expiration Date July 19, 2017



## HURRICANE HATCH™

### BRHZ: SPECIFICATIONS

**Material:**

- Aluminum 11 gauge, mill finish
- Steel 14 gauge galvaneal, red oxide powder coat

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

**Curb:** Single wall curb with EZ tab counterflash and mounting flange with 5/8" and 3/16" holes

**Insulation:** 1" polystyrene in cover, 1" fiberboard R-2 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 locks cover in open position

**Latch:** Zinc plated steel latch with exterior and interior turn handles and padlock hasps. Assembly designed to hold cover closed against 100 psf wind uplift

**Sizes:** Industry standard and custom sizes available

**Certification:** Florida Product Approval FL15803 and Miami-Dade County, FL NOA# 12-0320.29, Expiration Date July 14, 2017



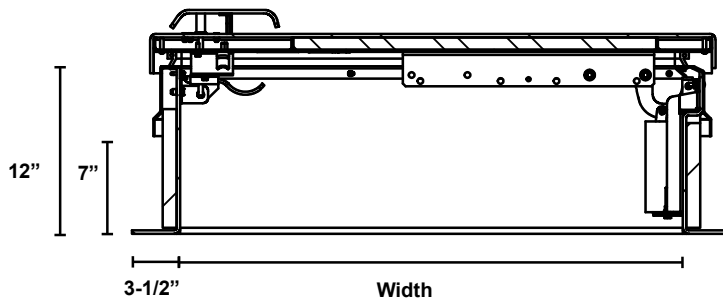
Industry  
Best  
±100psf

FL  
Approval



BRHZG30X54S1T

### BRHZ



BRHZA36X30S1T

**BRHZ**



x



**S1T**

MATERIAL	
A	ALUMINUM CURB & COVER
G	GALVANNEALED CURB & COVER

SIZE (WIDTH & LENGTH)	
30" x 30"	36" x 30"
30" x 54"	36" x 30"
33" x 48"	36" x 45"

Any Size with Area <11.25 ft²



## PERSONNEL

### BRHP: SPECIFICATIONS

**Material:**

- Aluminum 11 gauge, mill finish
- Steel 14 gauge galvalume, red oxide powder coat
- Steel 14 gauge galvalume, high reflectance white powder coat
- Stainless steel Type 304 14 gauge, 2B finish

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

**Curb:** Single wall curb with EZ tab counterflash and mounting flange with 5/8" and 3/16" holes

**Insulation:** 1" polystyrene in cover, 1" fiberboard R-2 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 locks cover in open position

**Latch:** Zinc plated steel latch with exterior and interior turn handles and padlock hasps

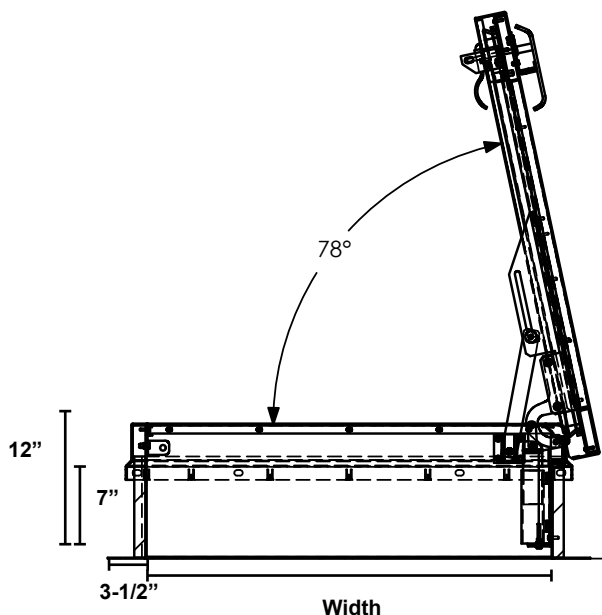
- 20psf wind uplift for lengths ≤60"
- 90psf wind uplift for lengths >60"

**Sizes:** Industry standard and custom sizes available



Babcock-Davis Corporate Headquarters - Brooklyn Park, MN

### BRHP



BRHPW36X30S1T

### BRHP

MATERIAL	WIDTH	x	LENGTH	S	CURB	T	-	OPTIONS

MATERIAL	
A	ALUM CURB & COVER
B	GALVANNEALED CURB, ALUM COVER
G	GALVANNEALED CURB & COVER, RED
W	GALVANNEALED CURB & COVER, WHITE
S	STAINLESS STEEL 304 CURB & COVER

SIZE (WIDTH & LENGTH)		
LADDER	SHIP STAIR	SERVICE STAIR
36" x 30"	30" x 54"	30" x 96"
36" x 36"	36" x 54"	36" x 96"
48" x 48"	30" x 77"	48" x 120"

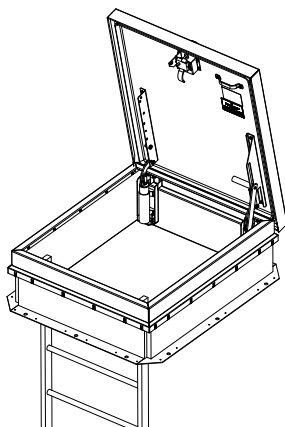
CURB	
1	SINGLE WALL
2	DOUBLE WALL
3	CURB MOUNT
4	DOUBLE WALL, NO COUNTERFLASH

OPTIONS	
IPP	1" POLYISO INSULATION
IRR	2" POLYISO INSULATION
OSS	STAINLESS STEEL HARDWARE



## PERSONNEL

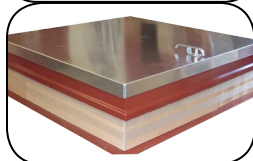
### BRHP: LADDER ACCESS



Aluminum

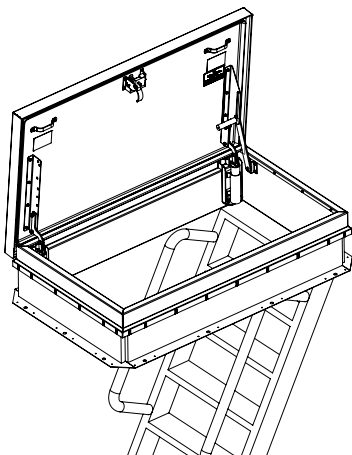


Steel Curb  
Aluminum Cover

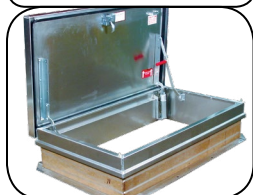


BRHPG36X30S1T

### BRHP: SHIP STAIR ACCESS



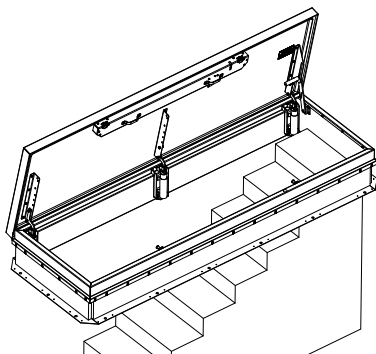
Aluminum



BRHPG30X54S1T

### BRHP: SERVICE STAIR ACCESS

Industry best 90psf wind uplift



Aluminum



BRHPG30X96S1T



## SUNLIT™

### BRHL: SPECIFICATIONS

**Material:**

- Aluminum 11 gauge, mill finish
- Steel 14 gauge galvanized, red oxide powder coat

**Cover:** Formed aluminum metal cover with clear polycarbonate, UV coated dome

**Curb:** Single wall curb with EZ tab counterflash and mounting flange with 5/8" and 3/16" holes

**Insulation:** 1" fiberglass in cover, 1" fiberboard R-2 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 locks cover in open position

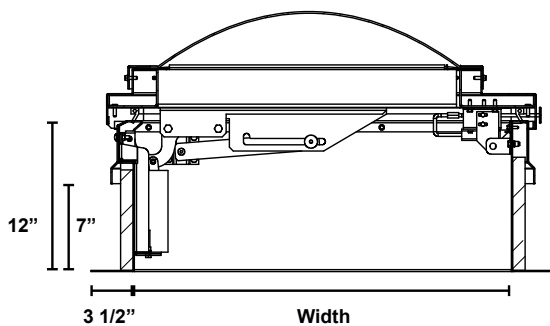
**Latch:** Zinc plated steel latch with exterior and interior turn handles and padlock hasps

**Sizes:** Industry standard and custom sizes available

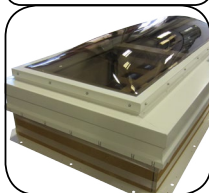


SunLit Service Stair Application

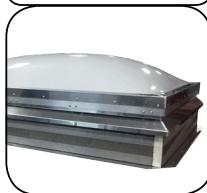
### BRHL



Bronze



White



BRHLA36X30S1P

**BRHL**

**MATERIAL**

**WIDTH**

**LENGTH**

**S**

**CURB**

**P**

**OPTIONS**

MATERIAL	
A	ALUM CURB & COVER
B	GALVANNEALED CURB, ALUM COVER

SIZE (WIDTH & LENGTH)	
36" x 30"	30" x 54"
36" x 36"	48" x 48"

CURB	
1	SINGLE WALL
2	DOUBLE WALL
3	CURB MOUNT
4	DOUBLE WALL, NO COUNTERFLASH

DOME OPTIONS	
LPB	POLYCARBONATE BRONZE
LPW	POLYCARBONATE WHITE



## SECURITY

### BRHS: SPECIFICATIONS

**Material:**

- Aluminum 1/4", mill finish
- Steel 3/16", red oxide powder coat

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

**Curb:** Single wall curb with EZ tab counterflash and mounting flange with 5/8" and 3/16" holes

**Insulation:** 1" polystyrene in cover, 1" fiberboard R-2 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 locks cover in open position

**Latch:** Zinc plated steel latch with exterior and interior turn handles and padlock hasps

**Lock options:**

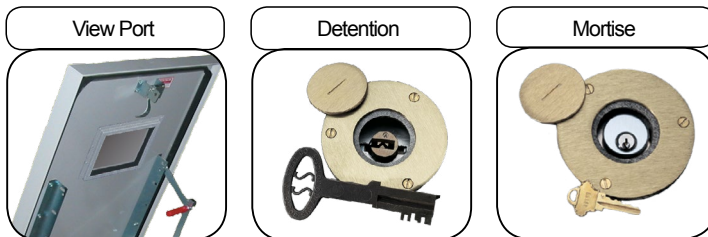
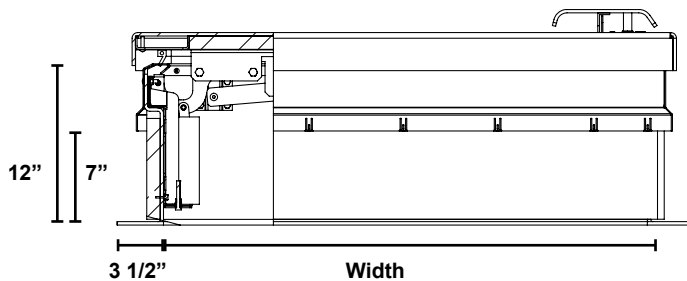
- Detention (Brinks, Southern Folger)
- Mortise (Schlage, Best, Yale, Sargent)

**Sizes:** Industry standard and custom sizes available



La Palma Correctional Center - Eloy, AZ

### BRHS



BRHSG48X48S4T-D11

## BRHS

MATERIAL	WIDTH	LENGTH	S	CURB	T-	OPTIONS
----------	-------	--------	---	------	----	---------

MATERIAL	SIZE (W & L)	CURB	OPTIONS
A ALUM CURB & COVER	36" x 30"	1 SINGLE WALL	D11 DETENTION, BRINKS 7016, INT/EXT, LOCK INSTALLED
B GALVANNEALED CURB, ALUM COVER	36" x 36"	2 DOUBLE WALL	D5A DETENTION, SOUTHERN STEEL 1010AM, INT/EXT, PREP
G GALVANNEALED CURB & COVER	30" x 54"	3 CURB MOUNT	MB1 MORTISE, BEST, INT/EXT, LOCK INSTALLED
	48" x 48"	4 DOUBLE WALL, NO COUNTERFLASH	MB4 MORTISE, BEST, INT/EXT, LOCK INSTALLED WITH PLASTIC CORE
			MS1 MORTISE, SCHLAGE, INT/EXT, LOCK INSTALLED
			OW1 VIEW PORT WINDOW 8"x8"



## EQUIPMENT

### BRHE: SPECIFICATIONS

**Material:**

- Aluminum 11 gauge, mill finish
- Steel 14 gauge galvalume, red oxide powder coat
- Stainless steel Type 304 14 gauge, 2B finish

**Cover:** Formed metal cover with liner, stiffened to withstand a live load of 40psf. Fully opens 85-90° for maximum clear unobstructed opening

**Curb:** Single wall curb with EZ tab counterflash and mounting flange with 5/8" and 3/16" holes

**Insulation:** 1" polystyrene in cover, 1" fiberboard R-2 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 locks cover in open position

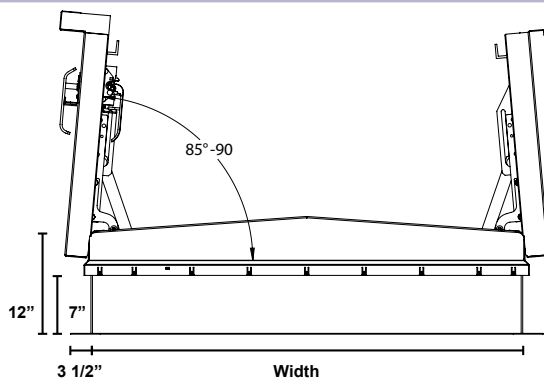
**Latch:** Zinc plated steel latch with exterior and interior turn handles and padlock hasps.

**Sizes:** Industry standard and custom sizes available



Equipment Installation Application

### BRHE



Stainless Steel



Aluminum  
XL Sizes



BRHEA60X60D1T

## BRHE

MATERIAL	WIDTH	x	LENGTH	DOOR	CURB	T-	OPTIONS
----------	-------	---	--------	------	------	----	---------

MATERIAL	
A	ALUM CURB & COVER
B	GALVANNEALED CURB, ALUM COVER
G	GALVANNEALED CURB & COVER
S	STAINLESS STEEL 304 CURB & COVER

SIZE (WIDTH & LENGTH)	
48" x 48"	96" x 96"
60" x 60"	120" x 120"
72" x 72"	144" x 144"
72" x 96"	

DOOR	
S	SINGLE
D	DOUBLE

CURB	
1	SINGLE WALL
2	DOUBLE WALL
3	CURB MOUNT
4	DOUBLE WALL, NO COUNTERFLASH

OPTIONS	
IPP	1" POLYISO INSULATION
IRR	2" POLYISO INSULATION
OSS	STAINLESS STEEL HARDWARE



## SAFETY PRODUCTS

### SRCG: SAFETY RAILINGS

**Description:** Ideal for new and retrofit applications. Mounts to existing roof hatch curb counterflash without penetrating membrane

**Material:** Rails and posts, galvanized steel, 1-1/4" ID Schedule 40 pipe

**Fittings:** Cast aluminum alloy with set screw hold

**Mounting Brackets:** 3/16" steel, zinc plated, nut backing plate attaches to curb counterflash without penetrating roof or membrane

**Hardware:** Hex head bolts 3/8"-16 x 3/4" zinc plated steel

**Exit:** Must be kept closed when roof hatch door is open

- Self closing gate: Galvanized steel 1-1/4" tubulal steel self closing with coil spring

- Chain: 3/16" zinc plated steel link chain with spring clip ends

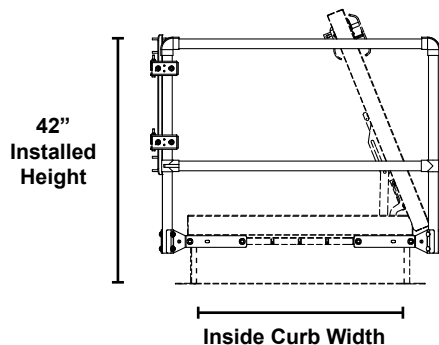
**Performance:** Exceeds OSHA 29 CFR 1910.23 guarding floor and wall openings and holes

**Sizes:** Industry standard and custom exact fit sizes available



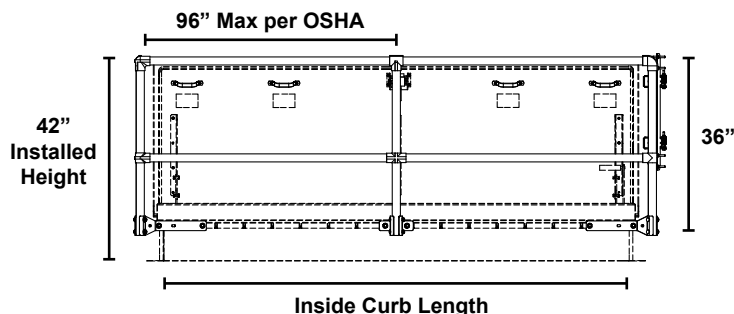
Babcock-Davis Corporate Headquarters - Brooklyn Park, MN

### SRCG: FRONT EXIT



SRCY36X30FG  
Optional safety yellow powder coat.

### SRCG: SIDE EXIT



SRCG30X96SG

**SRC**

MATERIAL	WIDTH	x	LENGTH	EXIT	OPTIONS
----------	-------	---	--------	------	---------

MATERIAL & FINISH	
Y	STEEL, YELLOW POWDER COAT
G	STEEL, GALVANIZED

SIZE (WIDTH & LENGTH)	
30" x 54"	30" x 96"
36" x 30"	36" x 96"
36" x 36"	48" x 48"

EXIT	
F	FRONT EXIT
S	SIDE EXIT, SINGLE DOOR

OPTIONS	
C	CHAIN
G	SELF-CLOSING GATE



## SAFETY PRODUCTS

### BSP: SAFETY POST

**Material:** 1-1/2" x 1-1/2" x 1/8" high strength square tubing with a pull up loop provided at the upper end to facilitate raising of post

- Steel, yellow powder coat paint
- Steel, hot dip galvanized
- Stainless steel Type 304, mill finish
- Aluminum, mill

**Balancing Spring:** Stainless steel constant force spring provides controlled operation

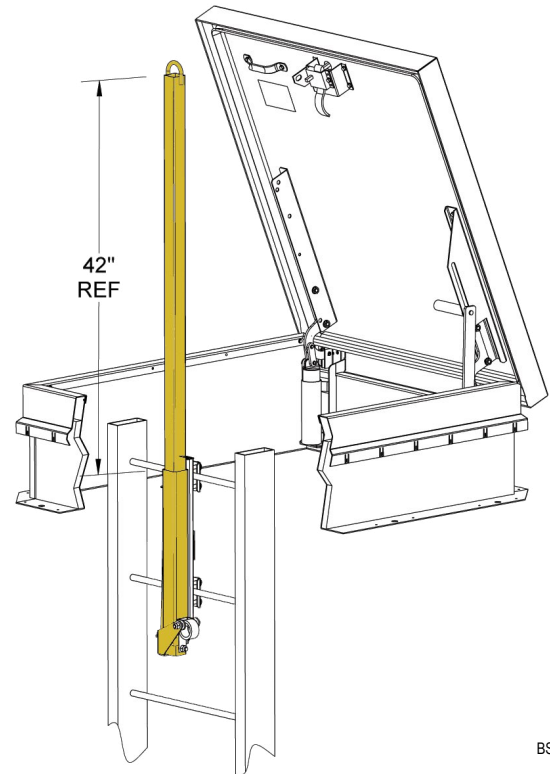
**Hardware:** Type 316 stainless steel mounting hardware attaches to top two rungs of fixed vertical ladder

**BSP**



**MATERIAL & FINISH**

- |   |                           |
|---|---------------------------|
| Y | STEEL, YELLOW POWDER COAT |
| G | STEEL, HOT DIP GALVANIZED |
| A | ALUMINUM, MILL            |
| S | STAINLESS STEEL, MILL     |



BSPLY

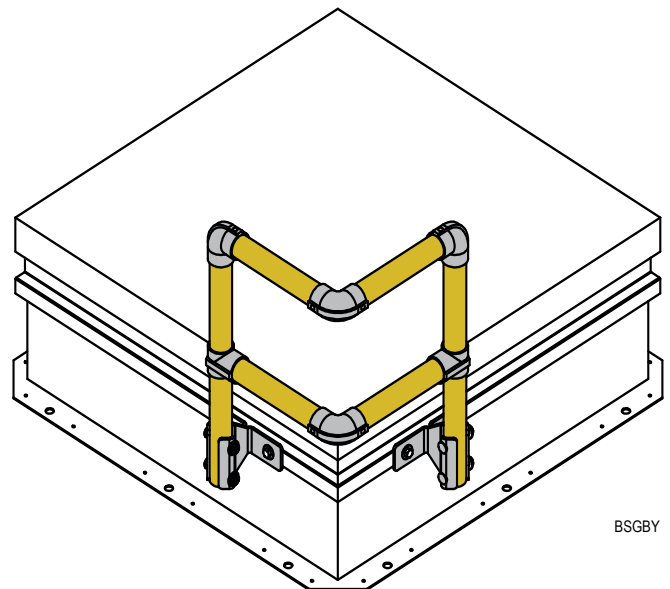
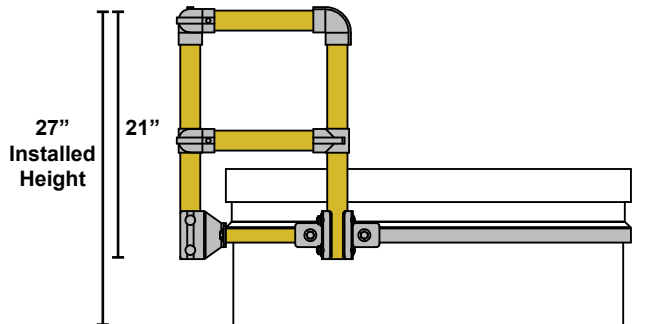
### SGB: SAFETY GRAB BAR

**Material:** Rails and posts, galvanized steel, 1-1/4" ID Schedule 40 pipe

**Fittings:** Cast aluminum alloy with set screw hold

**Mounting Brackets:** 3/16" steel, zinc plated with nut backing plate

**Hardware:** Hex head bolts 3/8"-16 x 3/4" zinc plated steel



BSGBY

**BSGB**



**MATERIAL & FINISH**





- |   |                           |
|---|---------------------------|
| Y | STEEL, YELLOW POWDER COAT |
| G | STEEL, GALVANIZED         |



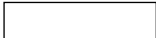
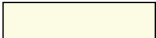
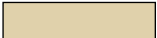


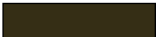
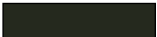

## ROOF HATCH & SMOKE VENT OPTIONS

### Powder Coat Finish - Steel & Aluminum

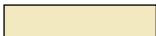









#### Stock Colors

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

#### Standard Colors

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



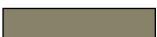





#### Custom Colors

			
Fine Ivory -FP13	Sea Wolf -FP15	Tan -FP17	Slate Gray -FP6
			
River Rouge -FP21	Brown -FP18	Military Blue -FP10	Silver Metallic -FP69
			
Arcadia Green -FP23	Hemlock Green -FP24	Forest Green -FP25	Teal -FP22

### Kynar Finish - Aluminum

			
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	White Stone -FK90	Surrey Beige -FK91
			
Sandstone -FK92	Medium Taupe -FK93	Seal Brown -FK94	Milano Blue -FK95
			
Aged Copper -FK96	River Rouge -FK97	Bright Silver -FK98	Copper -FK99

### Anodized Finish - Aluminum

			
Clear -FA2	Champagne -FA3	Light Bronze -FA4	Medium Bronze -FA5
			
Dark Bronze -FA6	Extra Dark Bronze -FA7	Black -FA8	Copper -FA9

Color matching and paint samples available upon request.

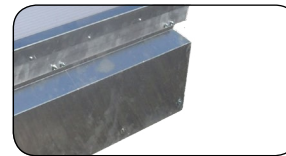
### Curb Types



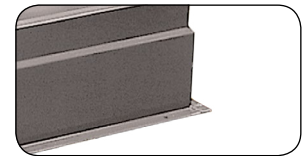
Single Wall (1)



Double Wall (2)



Curb Mount (3)



Double Wall No Counterflash (4)

### Pitch Corrected Curbs

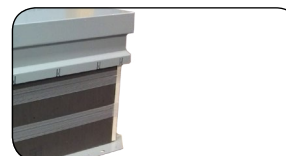


Single Wall Curb  
(-P4A)

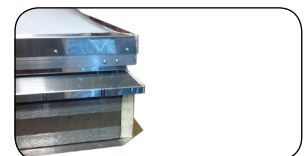


Double wall curb  
(-P4C)

### Curb & Cover Insulation



1" Polyisocyanurate R-6  
(-IPP)

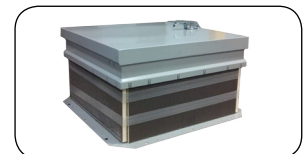


2" Polyisocyanurate R-12  
(-IRR)

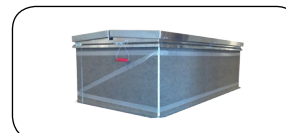
### Curb Heights



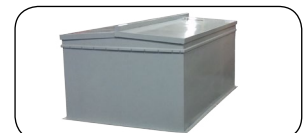
Standard 12" High Curb



18"  
(-H18)



24" High Curb  
(-H24)



45" High Curb  
(-H45)



## PRODUCT FAMILY

### SAFEMAX™

PG 18-19

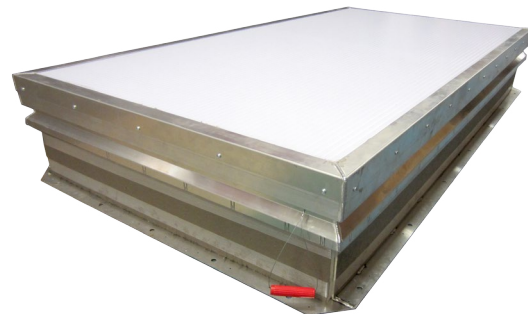
SafeMAX™ smoke vents are available in steel or aluminum metal construction. These UL 793 listed smoke vents provide ultimate fire and life safety. Single, double, and quad door sizes are ideal to meet all smoke venting applications.



### LIGHTMAX™

PG 20-21

LightMAX™ smoke vents are rooftop venting systems with the added benefit of natural daylighting. These UL 793 listed vents are ideal for manufacturing factories, warehousing, and big box retail.



### ACOUSTICAL

PG 22

Acoustic smoke vents are acoustically rated to STC 45 & OITC 37 and have UL 793 & FM 4430 labels with energy efficient R-13 insulation for optimal envelope performance.



### SMOKE VENT OPTIONS

PG 15

- Safety Railings
- Burglar Bars & Fall Protection
- Smoke Vent Opening & Closing Options
- Standard and custom colors
- Curb Options





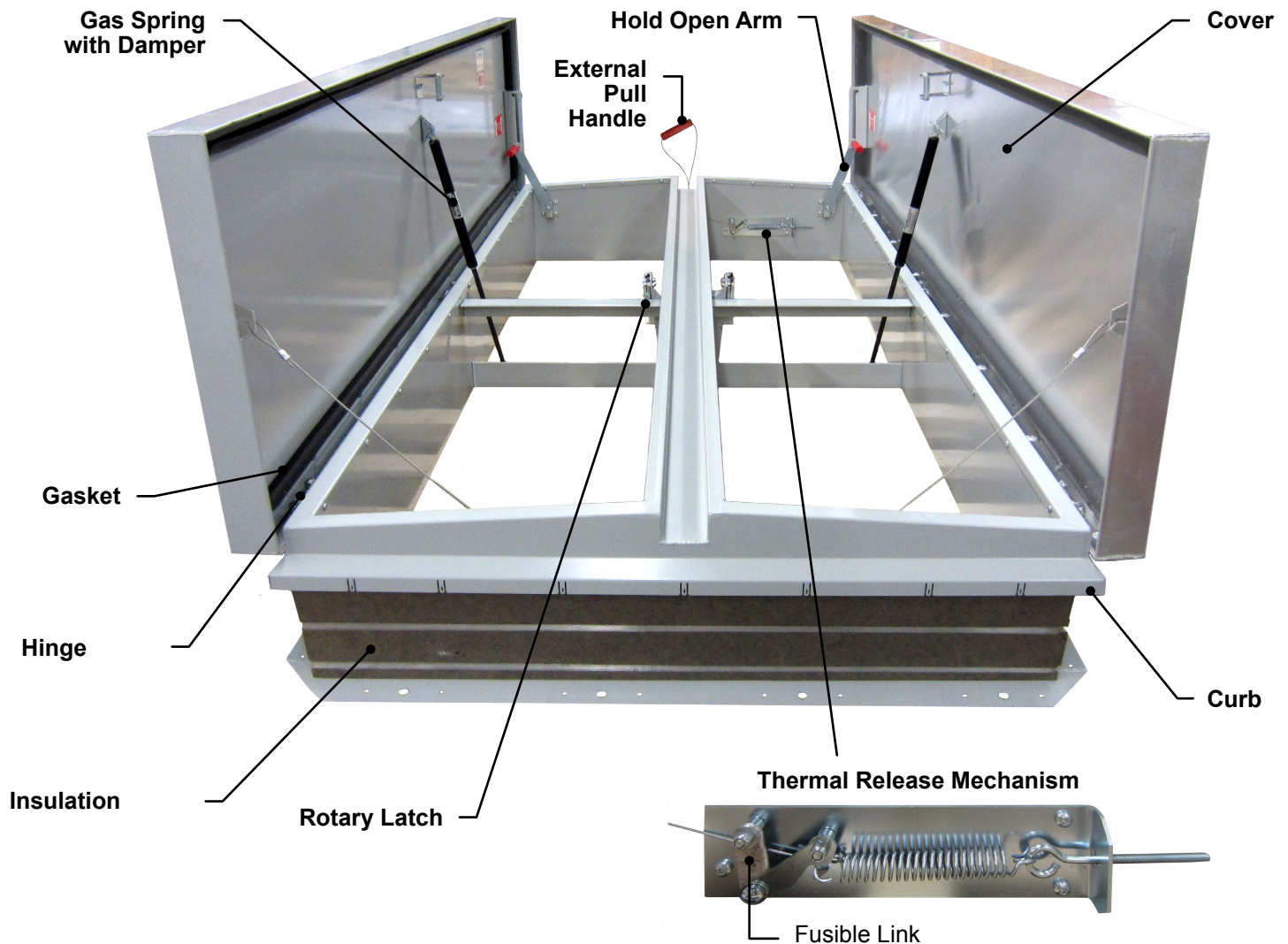
## PRODUCT FEATURES

Babcock-Davis' smoke vents are designed to open automatically providing emergency smoke, heat, and gas ventilation from a building. Smoke vents are part of a fire protection system within a building and are required by International Building Code® (IBC). Reference IBC 910 for factory and storage occupancies and IBC 410 for auditoriums and performing arts centers.

**Meets  
IBC  
Code**

**90psf  
Wind  
Uplift**

**Powder  
Coat  
Finish**



### FEATURES & BENEFITS

- Corrosion resistant with powder coat finish
- Weathertight with continuous EPDM seal
- Energy efficient with fully insulated cover and curb
- Easy installation with EZ tab counterflash
- UL 793 Listed
- Manual opening inside and outside of vent
- Automatic opening

### COMMERCIAL APPLICATIONS

- Schools
- Auditoriums
- Performing arts centers
- Hotels
- Manufacturing plants
- Factories
- Warehouses
- Big box retail
- High piled storage facilities
- Atriums
- Elevator shafts
- Hoistways



## SAFE<sup>MAX</sup>™

### BSVS: SPECIFICATIONS

**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 3-1/2" mounting flange with 5/8" bolt holes

**Insulation:** 1" polyisocyanurate 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

**Springs:** Gas spring with damper opens cover against 10psf snow load in not less than 2 seconds

**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 for single doors & 90psf for double/quad doors. Opens manually by external and internal pull cables. Opens automatically with a fusible link at standard temperature 165 °F

**Certifications:** UL 793 Listed

**Sizes:** Industry standard and custom sizes available



**Energy Efficient**

**R-6 Insulation**

**White Powder Coat**



Hoistway Venting

### INDUSTRY LEADING SMOKE VENTS

Innovative single door 4'x8' UL793 listed smoke vent provides more effective vent area than traditional double door



BSVSA48X96S3N165R



Curb Mounted Retrofit - Bloomington, MN  
BSVSA60X96D3L165R

## BSVS

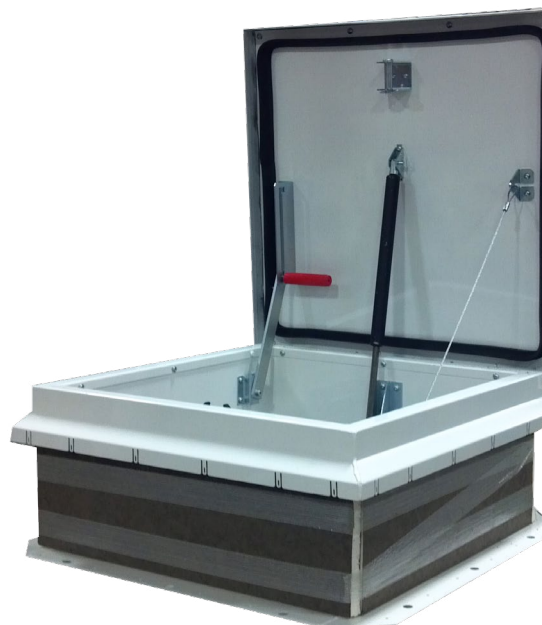
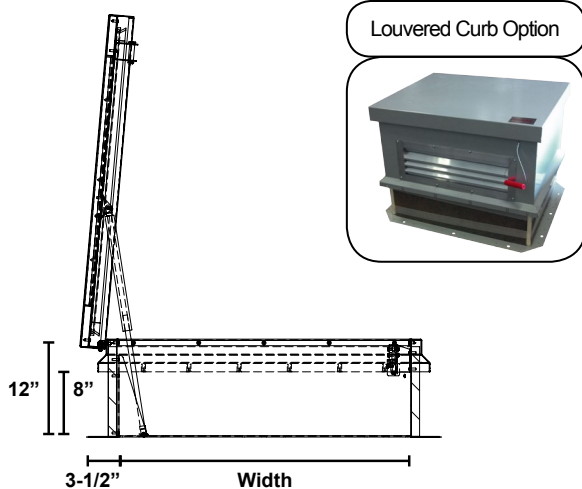
MATERIAL	WIDTH	x	LENGTH	DOOR	CURB	ELEC.	TEMP	CLOSING
								R

MATERIAL		SIZE (WIDTH & LENGTH)			DOOR		CURB		ELECTRICAL		TEMP °F	
A	ALUM CURB & COVER	SINGLE	DOUBLE	QUAD	S	SINGLE DOOR	1	SINGLE WALL	N	NO ELECTRICAL	165	350
B	GALVANNEALED CURB & ALUM COVER	36" x 30"	48" x 96"	66" x 120"	D	DOUBLE DOOR	2	DOUBLE WALL	L	24VDC / 24VAC	212	360
W	GALVANNEALED CURB & COVER	36" x 36"	60" x 60"	66" x 144"	Q	QUAD DOOR	3	CURB MOUNT	H	110VAC / 240 VAC	280	450
		48" x 48"	72" x 96"	72" x 120"								
		48" x 96"	60" x 120"	72" x 144"								



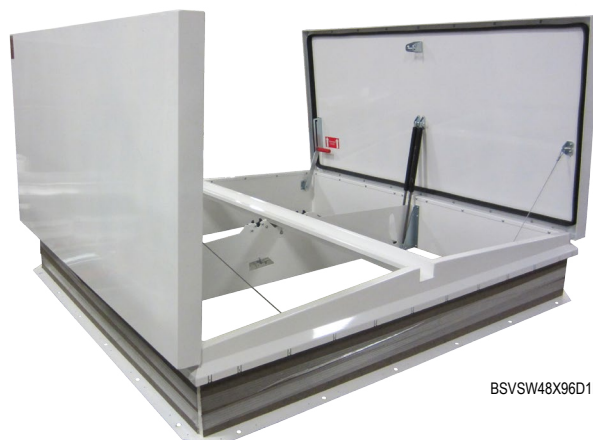
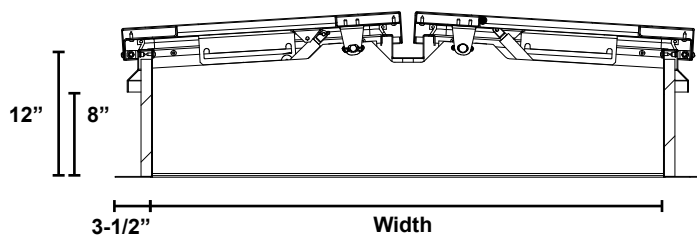
## SAFE<sup>MAX</sup>™

### BSVS: SINGLE DOOR



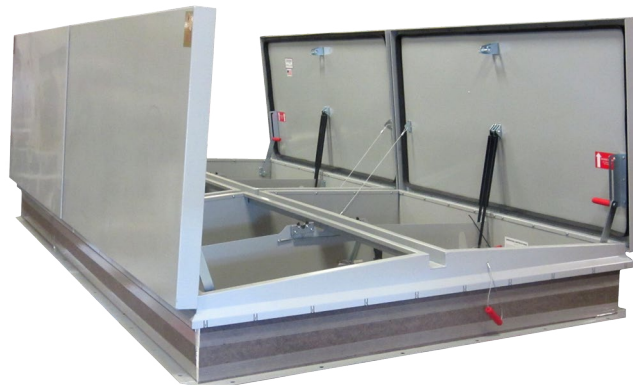
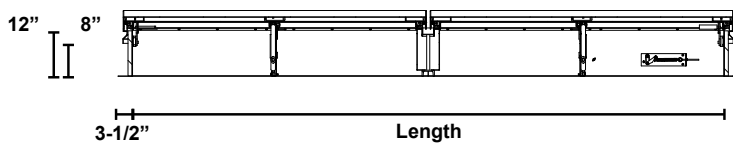
BSVSW36X30S1N165R

### BSVS: DOUBLE DOOR



BSVSW48X96D1N165R

### BSVS: QUAD DOOR



BSVSW66x144Q1N165R



## LIGHTMAX™

### BSVL: SPECIFICATIONS

#### Material:

- Aluminum 11 gauge, mill finish
- Steel 14 gauge galvalume, high reflectance white powder coat

**Cover:** Extruded cover with 5/8" structural multiwall white polycarbonate. Cover stiffened to withstand a live load of 40psf

**Curb:** Single wall curb with EZ tab counterflash and 3-1/2" mounting flange with 5/8" bolt holes

**Insulation:** 1" polyisocyanurate R-6 in cover frame edge and around curb

**Gasket:** Extruded EPDM adhesive backed gasket seal, continuous around cover

**Hinge:** Heavy duty pintle hinge with stainless steel hinge pins

**Springs:** Gas spring with damper opens cover against 10psf snow load in not less than 2 seconds

**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 for single doors and 90psf for double and quad doors. Opens manually by external and internal pull cables. Opens automatically with a fusible link at standard temperature 165 °F

**Certifications:** UL 793 Listed

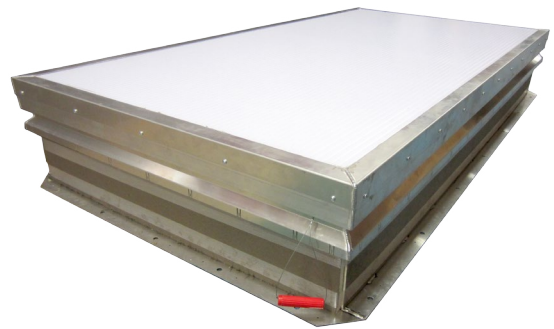
**Sizes:** Industry standard and custom sizes available



**Energy Efficient**

**R-6 Insulation**

**Day Lighting**



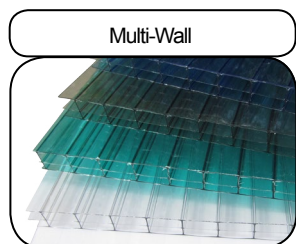
BSVLA48X96S1N165R

### MULTI-WALL PANEL OPTIONS

Coextruded polycarbonate sheet, 3-Wall 5/8" thick, UV protection. R-factor 2.5, U-factor 0.40

White	Clear	Bronze	Blue	Green

Light Transmission %:	52%	74%	37%	45%	42%
Solar Factor %:	63%	75%	57%	65%	60%
Shading Coefficient %:	.72	.86	.65	.74	.69



Babcock-Davis Corporate Headquarters - Minneapolis, MN  
BSVLA60X60D3N165R

**BSVL**

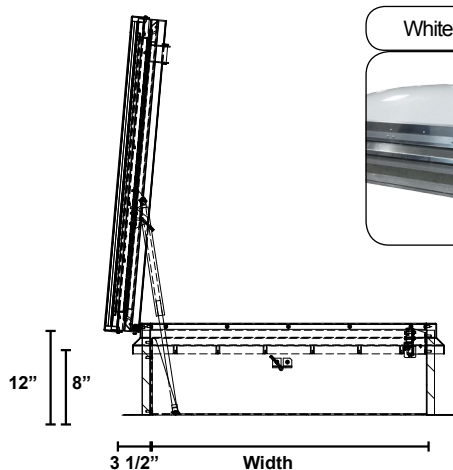
MATERIAL	WIDTH	x	LENGTH	DOOR	CURB	ELEC.	TEMP	CLOSING	OPTIONS
								<b>R</b>	

MATERIAL		SIZE (WIDTH & LENGTH)			DOOR	CURB	ELECTRICAL	TEMP °F
A	ALUM CURB & COVER	SINGLE	DOUBLE	QUAD	S SINGLE DOOR	1 SINGLE WALL	N NO ELECTRICAL	165 350
B	GALVANNEALED CURB & ALUM COVER	36" x 30"	48" x 96"	66" x 120"	D DOUBLE DOOR	2 DOUBLE WALL	L 24VDC / 24VAC	212 360
		36" x 36"	60" x 60"	66" x 144"	Q QUAD DOOR	3 CURB MOUNT	H 110VAC / 240 VAC	280 450
		48" x 48"	72" x 96"	72" x 120"				
		48" x 96"	60" x 120"	72" x 144"				
OPTIONS								
LPW	DOME, POLYCARB WHITE	LMZ	MULTIWALL, BRONZE					
LPC	DOME, POLYCARB CLEAR	LMB	MULTIWALL, BLUE					
LMC	MULTIWALL, CLEAR	LMG	MULTIWALL, GREEN					

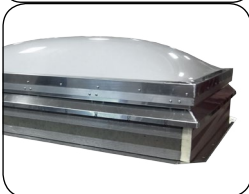


## LIGHTMAX™

### BSVL: SINGLE DOOR

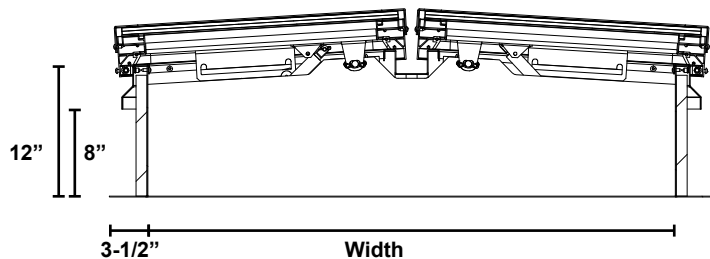


White Dome Option



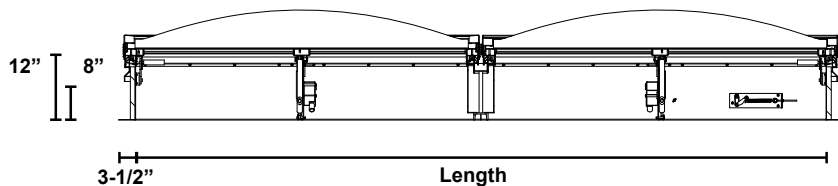
BSVLA48X96S1N165R

### BSVL: DOUBLE DOOR



BSVLB72X96D1N165R

### BSVL: QUAD DOOR



BSVLA66X144Q3N165R-LPW



## ACOUSTICAL

### BSVG\_X: SPECIFICATIONS

**Material:** Steel 14 gauge galvalume with 12 gauge liners, red oxide powder coat finish

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

**Curb:** 13" high double wall curb with mounting flange with 1/2" bolt holes

**Insulation:** 3-1/2" R-13 fiberglass in cover and curb

**Gasket:** Extruded EPDM gasket seals on curb and cover

**Hinge / Springs:** High pressure gas springs designed to open vent covers automatically against 10psf snow load

**Shock absorber:** Steel, red powder paint, controls rate of opening

**Hold open arm:** Zinc plated steel automatic hold open arm locks cover in open position

**Latch:** Dual zinc plated steel pyrolatches holds 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  
Optional electrical opening; specify 24VDC or 110VAC

**Performance:** STC-45 per ASTM E90, OITC 37 per ASTM E1332

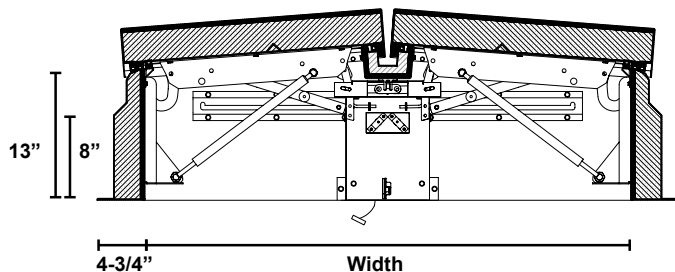
**Certification:** UL793 Listed and FM4430 Approved

**Sizes:** Industry standard and custom sizes available



Planet Hollywood Resort and Casino - Las Vegas, NV

### BSVG\_X



White Powder Coat



BSVG4896DX45W

**BSV**

**MATERIAL**

**WIDTH**

**LENGTH**

**DOOR**

**X45**

**LATCH**

MATERIAL	
G	GALVANNEALED STEEL, RED
W	GALVANNEALED STEEL, WHITE

SIZE (WIDTH & LENGTH)	
48" x 48"	60" x 60"
48" x 96"	60" x 96"
72" x 72"	60" x 120"
72" x 96"	66" x 144"

DOOR	
D	DOUBLE DOOR
Y	QUAD DOOR

LATCH OPTIONS	
P	PYROLATCH (ELECTRICAL OPENING)
M	3 BUTTON OPERATED MOTOR*
W	MANUAL WINCH

\*Motor Voids UL/FM



## SAFETY PRODUCTS

### SRVG: SAFETY RAILINGS

**Material:** Rails and posts, galvanized steel, 1-1/4" ID schedule 40 pipe

**Fittings:** Cast aluminum alloy with set screw hold

**Mounting Brackets:** 3/16" steel, zinc plated, nut backing plate attaches to curb counterflash without penetrating roof membrane

**Hardware:** Hex head bolts 3/8"-16 x 3/4" zinc plated steel

**Performance:** Exceeds OSHA 29 CFR 1910.23 guarding floor and wall openings and holes



SRVG48X96NN

**SRVG**

WIDTH

**x**

LENGTH

**NN**

SIZE (WIDTH & LENGTH)		
36" x 30"	48" x 96"	60" x 144"
36" x 36"	60" x 96"	66" x 144"
48" x 48"	60" x 120"	72" x 144"

## SMOKE VENT OPTIONS

### BURGLAR BARS

Burglar bars for security and safety, prevent unauthorized entry

- 1/2", or 3/4" diameter steel rod
- 6" x 6", 6" x 12" spacing

Bars 6" x 12"

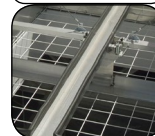


### FALL PROTECTION SCREEN

Fall protection screen

- 3/16" diameter steel rod
- 4" x 4" spacing

Screen 4" x 4"



Burglar Bars  
1/2" diameter, 6" x 6" spacing

### OPENING OPTIONS

**Manual:** Manual pull release on the exterior and interior of vent

**Temperature:** Fusible link temperatures for sprinkler coordination 165°F, 212°F, 280°F, 350°F, 360°F, 370°F, 386°F, 450°F

**Electrical:** Electrical release to tie into a fire alarm or smoke detector; 24VDC, 110VAC / 220VAC



Fusible Link



Belimo Actuator

### CLOSING OPTIONS

**Manual:** Manually close from the exterior of the vent at rooftop level

**Manual Winch:** Close vent doors from remote floor location- rigging is required

**Motor:** 3 button operated motor provides (Open, Close, Stop) capability using 110VAC, 1/2 HP motor. Voids UL/FM



Manual Winch



3-Button Controller



# ROOF HATCHES & SMOKE VENTS



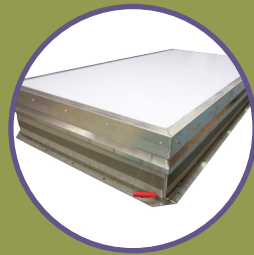
Access Doors



Roof Hatches



Floor Doors



Smoke Vents



Entrance Flooring



Wall Protection



Stair Treads

  
**Babcock-Davis®**  
*Always right there.*