

# Floor Doors + Hatches

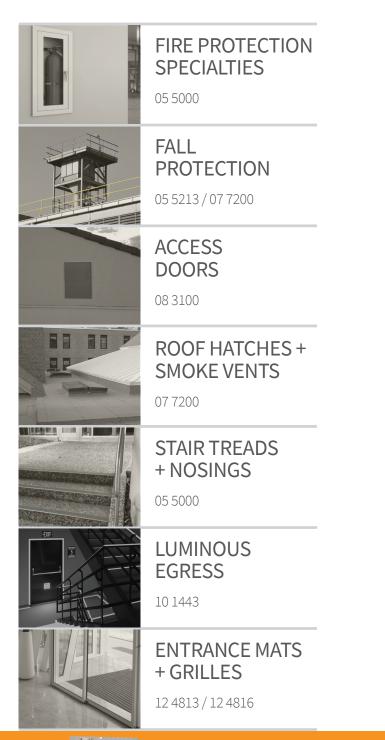
08 3483 | PRODUCT CATALOG



Great Products. Better Partners.



Great Products. Better Partners.





FLOOR DOORS + HATCHES

08 3483

# **E**SS ere it . 150

# Floor Doors + Hatches

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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 to 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 all of you, our partners. We do so with flexibility and nimbleness that fit 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 U. Thomas

Sue W. Thomas | CHIEF EXECUTIVE OFFICER



## Fire-Rated DIAMOND TREAD FLOOR DOOR

Babcock Davis Diamond Tread Floor Door is redesigned to offer larger sizes and is tested to NFPA 288 standards to offer 2 and 3-hour fire ratings. This floor door is reinforced for pedestrian traffic loads and features an aluminum diamond tread cover plate.

#### FEATURES

**SIZES** Industry-leading sizes up to 52"x96"

**FIRE-RATED** Tested to NFPA 288, this floor door is Warnock-Hersey labeled with 2- or 3-hour fire-rating with a maximum temperature rise of 250°F.

#### DETAILS

LOAD 250 PSF up to 48"x60"; 150 PSF above 48"x60"
COVER Diamond Tread Plate, Aluminum: 1/4" mill finish
FRAME Aluminum, Angle Frame, Thermally Broken
INSTALLATION Cast-In Standard, Bolt-In optional
SPRING Enclosed coil, Type 17-7 Stainless Steel
HINGES Heavy Duty Type 316 Stainless Steel
HOA Type 316 Stainless Steel, Optional self-closing
LATCH Slam latch Zinc-Plated Steel with inside lever handle
OPTIONS Self Closing Mechanism, Recessed Padlock Hasp, Mortise Lock
TEST NFPA 288, Warnock Hersey tested and listed by Intertek

#### ORDER GUIDE - Fire Rated Diamond Tread Floor Door

FDF is standard with 2-hour rating unless 3-hour rating is chosen under "Options"

MODEL	LOAD	MATERIAL	WIDTH		LENGTH	COVER & INSTALL	OPTIONS
				x			
BFDF	P - 250 PSF	A – ALUMINUM	24"-48"1	24'	"-60"	SWL -	<b>3HR</b> – 3 HOUR RATING <sup>3</sup>
BFDF	L - 150 PSF		>48"-52"2	>6(	0"-96"	S - SINGLE DOOR	<b>BI</b> – BOLT-IN INSTALLATION <sup>4</sup>
						W - ANCHORS PROVIDED	MC6 - MORTISE LOCK
						L - HANDLE	<b>PR</b> – RECESSED PADLOCK HASP
							SC - SELF CLOSING MECHANISM

1 The load will default to "L" (150 PSF) for doors greater than 48" x 60" (e.g. FDFLA50x75SWL)

2 The load will default to "P" (250 PSF) for doors up to and including 48"x60 (e.g. FDFPA36x36SWL) 3up to 48x60 only and 250 PSF only

4 2-hour only

Additional sizes available, call for more information.





Aluminum

#### FRAME





Angle Frame Cast-In Angle Frame Bolt-In

# **Fire-Rated Pan Floor Door**

#### ARCHITECTURAL FLOOR DOOR WITH 1/8" OR 1" RECESSED COVER

The redesigned Babcock Davis Fire-Rated Floor Door features industry-leading sizes, improved interior release handle and tested to NFPA 288 standards. The addition of a 1" recessed cover along with the 1/8" cover accepts a variety of inlaid material, such as wood, concrete, tile, carpet, or vinyl. Interior applications only.

#### **FEATURES**

MINIMAL SIGHT LINE Choose a 1/8" or 1" recessed cover for flooring infill to seamlessly integrate with the surrounding area.

FIRE-RATED 2- or 3-hour fire-ratings tested to NFPA 288 (1/8" has 2- or 3-hour, 1" has 2-hour only)

#### **DETAILS**

**LOAD** 250 psf live load up to 48"x60" 150 psf live load above 48"x60"

**COVER** Aluminum: 1/4" smooth plate with 1/8" or 1" recess

**FRAME** Aluminum, Angle Frame, Thermally Broken

**INSTALLATION** Cast-In Standard, Bolt-In optional

**SPRING** Enclosed coil, Type 17-7 Stainless Steel

HINGES Heavy Duty Type 316 Stainless Steel

HOA Type 316 Stainless Steel, Optional Self Closing

**LATCH** Slam latch zinc-plated Steel with inside lever handle

**OPTIONS** Self Closing Mechanism, Recessed Padlock Hasp, Mortise Lock

TEST NFPA 288, Warnock Hersey tested and listed by Intertek

#### **ORDER GUIDE** - Fire Rated Architectural 1/8" Pan floor Door

FDF is standard with 2-hour rating unless 3-hour rating is chosen under "Options"

MODEL	LOAD	MATERIAL	WIDTH	Х	LENGTH	COVER & INSTALL	OPTIONS
				Х			
BFDF	<b>P -</b> 250 PSF	A – ALUMINUM	24"-48" (250 PSF) <sup>2</sup>		'-60" 0 PSF)	SWL -	T1 1/8 INCH TILE DOOR
BFDF	L – 150 PSF		>48"- 52" (150 PSF) <sup>1</sup>		0"-96" 0 PSF)	S - SINGLE DOOR W - ANCHORS PROVIDED L - HANDLE	3HR 3 HOUR RATING <sup>3</sup> BI BOLT-IN INSTALLATION <sup>4</sup> SC SELF CLOSING MECHANISM PR RECESSED PADLOCK HASP MC6 MORTISE LOCK

<sup>1</sup>The load will default to "L" (150 PSF) for doors greater than 48" x 60" (e.g. FDFLA50x75SWL) <sup>2</sup>The load will default to "P" (250 PSF) for doors up to and including 48"x60 (e.g. FDFPA36x36SWL)

<sup>3</sup>up to 48x60 only and 250 PSF only

#### **ORDER GUIDE** - Fire rated Architectural 1" Pan Floor Door

MODEL	LOAD	MATERIAL	WIDTH	Х	LENGTH	COVER & INSTALL	OPTIONS
				Х			
BFDF	P - 250 PSF	A – ALUMINUM	24"-48"	2	4"-48"	SWL -	P1 - 1" INCH TILE DOOR
						S - SINGLE DOOR	<b>BI</b> - BOLT-IN INSTALLATION
						W - ANCHORS PROVIDED	SC - SELF CLOSING MECHANISM
						L - HANDLE	

#### MATERIALS



#### FRAME



Aluminum

# Bolt-In

Cast-In





# Drainable FLOOR DOOR, 300PSF

The Drainable Floor Door is intended for standard-duty exterior or high moisture areas where liquid flow is required. The frame is constructed with a gutter channel for runoff into a drainage system and includes an EPDM gasket.

#### **FEATURES**

LARGEST CLEAR OPENING The components are engineered with a maximum clear opening.

LIGHTER WEIGHT The streamlined design utilizes the spring housing as a door stiffener, resulting in lighter covers.



#### **DETAILS**

LOAD 300 psf live load

#### MATERIAL

- Aluminum: 1/4 inch, mill finish, gray primer on exterior frame (for cast-in only)
- Steel: 3/16 inch, gray primer
- Stainless Steel: 3/16 inch, Type 304 or Type 316, bead blasted

**COVER** Diamond tread plate

FRAME Drainable gutter frame with integral 1 inch anchor flange, EPDM gasket and 1-1/2 inch drain coupling

**INSTALLATION** Cast In or Bolt-In

SPRING Enclosed coil, Type 17-7 Stainless Steel

HINGES Heavy duty Type 316 Stainless Steel

HOLD OPEN ARM Type 316 Stainless Steel automatic hold open arm locks cover in open position

LATCH Slam latch Type 316 Stainless Steel with inside lever handle, includes removable threaded plug and key

OPTIONS Padlock Hasps, Locks, Finishes, Safety Grates, Safety Nets, Safety Rails, Skirting

#### MATERIALS





Aluminum

Primed Steel

Stainless Steel

#### FRAME







Gutter Frame



Gutter Frame Cast-in Steel or Stainless Steel

Gutter Frame Bolt-in Steel or Stainless Steel

#### **ORDER GUIDE**

MODEL	MATERIAL	WIDTH	Х	LENGTH	СС	OVER		INSTALL
BFDDP			х				_	
	<ul> <li>A 1/4" Aluminum</li> <li>P 3/16" Steel</li> <li>S 3/16" Stainless Steel, Type 304</li> <li>V 3/16" Stainless Steel, Type 316</li> </ul>	Standard Siz Single Door 24" x 24" 30" x 36" 36" x 36" 42" x 42" 48" x 48"	D 48 48	/ x L) ouble Door 8" x 48" 8" x 72" 0" x 60"		Single Door Double Door		FL Aluminum WL Steel or Stainless Steel

Additional sizes available, call for more information.

# Drainable FLOOR DOOR, H20

The H20 Drainable Floor Door is designed for infrequent, off street traffic in exterior or high moisture areas when liquid flow into the door is a concern. The frame is constructed with a gutter channel for water runoff into a drainage system.

#### **FEATURES**

**VEHICLE LOAD** Designed for exterior/wet environments and tested for H20 wheel load for infrequent, off-street traffic.

**DRAINABLE FRAME** Constructed with a gutter channel frame and drain hole for liquid removal.

#### **DETAILS**

LOAD H20 wheel load

#### MATERIAL

- Aluminum: 1/4 inch, mill finish, gray primer on exterior frame (for cast-in only)
- Steel: 3/16 inch, gray primer
- Stainless Steel: 3/16 inch, Type 304 or Type 316, bead blasted

**COVER** Diamond tread plate

**FRAME** Drainable gutter frame with integral 1 inch anchor flange, EPDM gasket and 1-1/2 inch drain coupling

#### **INSTALLATION** Cast-In

SPRING Enclosed coil, Type 17-7 Stainless Steel

HINGES Heavy duty Type 316 Stainless Steel

HOLD OPEN ARM Type 316 Stainless Steel automatic hold open arm locks cover in open position

LATCH Slam latch Type 316 Stainless Steel with inside lever handle, includes removable threaded plug and key

**OPTIONS** Padlock Hasps, Locks, Finishes, Safety Grates, Safety Nets, Safety Rails, Skirting

#### **ORDER GUIDE**

BFDDH			
Druun	х	-	
P         3/16" Steel         Sint 24"           S         3/16" Stainless Steel, Type 304         30"           36"         36"         36"	tandard Sizes (W × L) ngle Door Double Door 1" x 24" 48" x 48" 1" x 36" 48" x 72" 3" x 36" 60" x 60" 2" x 42"	<ul><li>S Single Door</li><li>D Double Door</li></ul>	FL Aluminum AL Steel or Stainless Steel

Additional sizes available, call for more information.



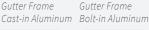
#### MATERIALS





FRAME

Primed Steel



Gutter Frame



Gutter Frame Cast-in Steel or Stainless Steel

Gutter Frame Bolt-in Steel or Stainless Steel

## Drainable LARGE EQUIPMENT HATCH, H20

The H20 load rated large equipment hatch is designed for infrequent, off-street traffic where moisture or liquid flow into the door is a concern. The frame is constructed with a gutter channel for water runoff into a drainage system.



#### **FEATURES**

**MAXIMUM CLEAR OPENING AREA** These double door units were designed for large equipment installation and maintenance access. They are the largest doors with an H20 load rating available in the market.

**DRAINABLE FRAME** Constructed with a gutter channel frame and drain hole for liquid removal.

#### DETAILS

LOAD H20 wheel load

 $\ensuremath{\textbf{MATERIAL}}$  Aluminum: 1/4 inch, mill finish with gray primer on exterior frame

COVER Diamond tread plate

**FRAME** Drainable gutter frame with integral 1 inch anchor flange, EPDM gasket and 1-1/2 inch drain coupling

**INSTALLATION** Cast-In

SPRING Enclosed coil, Type 17-7 Stainless Steel

HINGES Heavy duty Type 316 Stainless Steel

**HOLD OPEN ARM** Type 316 Stainless Steel automatic hold open arm locks cover in open position

**LATCH** Slam latch Type 316 Stainless Steel with inside lever handle, includes removable threaded plug and key

**OPTIONS** Padlock Hasps, Finishes, Safety Grates, Safety Nets, Safety Rails, Skirting

#### **ORDER GUIDE**

MODEL	WIDTH	Х	LENGTH	
BFDOHA		х		DFL
	Standard Siz Double Door 48" x 80" to 60" x 80" to 96" x 80" to 108" x 48" to	48" : 60" : 96" :	× 120" × 120" × 120"	

Additional sizes available, call for more information.

#### MATERIALS



Aluminum

#### FRAME



Gutter Frame Cast-In

# Non-Drainable FLOOR DOOR, 300PSF

The non-drainable pedestrian floor door is designed for standard-duty load and provides a flush installation for new concrete applications. Ideal use for utility and general building applications where water infiltration is not a concern.

#### **FEATURES**

**PEDESTRIAN LOAD** Designed for standard duty loads and tested up to 300psf live load.

**NEW CONCRETE APPLICATION** The built in angle frame with an integral flange allows for new concrete construction.



#### DETAILS

LOAD 300 psf live load

**MATERIAL** Aluminum: 1/4 inch, mill finish, gray primer on exterior frame (*for cast-in only*)

**COVER** Diamond tread plate

FRAME Angle with 1 inch integral flange

**INSTALLATION** Cast-In or Bolt-In

SPRING Enclosed coil, Type 17-7 Stainless Steel

HINGES Heavy-duty, Type 316 Stainless Steel

**HOLD OPEN ARM** Type 316 Stainless Steel, automatic, locks cover in open position

**LATCH** Slam latch, Type 316 Stainless Steel, with inside lever handle, includes removable threaded plug and key

#### **GASKET** EPDM gasket

**OPTIONS** Padlock Hasps, Locks, Finishes, Gasket, Safety Grates, Safety Nets, Safety Rails, Skirting

#### ORDER GUIDE

MODEL	WIDTH	Х	LENGTH	COVER	
BFDNPA		x			FL
	Standard Siz Single Door 24" x 24" 30" x 36" 36" x 36" 42" x 42"	C 4 4	/ x L) Nouble Door 8" x 48" 8" x 72" 0" x 60"	<ul><li>S Single Door</li><li>D Double Door</li></ul>	

Additional sizes available, call for more information.

#### MATERIALS



#### FRAME



Cast-in



Angle Frame Bolt-in

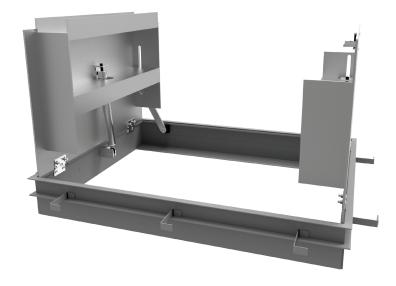
## Non-Drainable FLOOR DOOR, H20

The H20 Floor Door is designed for infrequent, light duty, off street traffic in areas where water infiltration and moisture is not a concern. Designed with a flush installation for new concrete applications.

#### **FEATURES**

**VEHICLE LOAD** Constructed with substantial structural beams in the cover to support a H20 vehicle load.

**STEEL OPTION** Optional 3/16 inch steel for added strength and durability. Standard finish of primed gray powder coat.



#### DETAILS

LOAD H20 wheel load

**MATERIAL** Aluminum: 1/4 inch, mill finish with gray primer on exterior frame

COVER Diamond tread plate

FRAME Angle

**INSTALLATION** Cast-In: 1/4 inch by 1 inch by 4 inch anchor straps welded for concrete pour

**SPRING** Coil type 17-7 Stainless Steel enclosed in Type 316 Stainless Steel telescopic tubes

HINGES Heavy duty Type 316 Stainless Steel

**HOLD OPEN ARM** Type 316 Stainless Steel automatic hold open arm locks cover in open position

**LATCH** Slam latch Type 316 Stainless Steel with inside lever handle, includes removable 5/16 inch steel square "L" handle and threaded plug

**OPTIONS** Padlock Hasps, Locks, Finishes, Gasket, Safety Grates, Safety Nets, Safety Rails, Skirting

#### ORDER GUIDE

MODEL	WIDTH	Х	LENGTH	C	OVER	
BFDNHA		х				AL
	Standard Siz Single Door 24" x 24" 30" x 36" 36" x 36" 42" x 42"	D 4 4	( x L) ouble Door 8" x 48" 8" x 72" 0" x 60"		Single Door Double Door	

Additional sizes available, call for more information.

#### MATERIALS



Aluminum

#### FRAME



Angle Frame Cast-In

# **1 Inch Pan** ARCHITECTURAL FLOOR DOOR

Babcock-Davis Architectural Recessed Floor Door is engineered with a recess to allow for ceramic tile or concrete flooring. This design preserves the architectural aesthetics while maintaining a minimal sight line.

For dry, interior installation only. Not intended for wet or exterior environments.

#### FEATURES

**MINIMAL SIGHT LINE** The 1/8 inch profile around the pan allows the door to seamlessly integrate with the surrounding area.

**VERSATILE MOUNTING** Engineered for either cast-in or bolt-in installation with a versatile frame design. Cast-in with the attachable bolts or bolt holes in the frame for easy mounting.

#### DETAILS

LOAD 300psf live load

**MATERIAL** Aluminum: 1/4 inch, mill finish, gray primer on exterior frame (*for cast-in only*)

**COVER** Recessed for 1 inch flooring infill

**FRAME** Extruded with channel for anchor bolt

**INSTALLATION** Cast In or Bolt-In

**SPRING** Gas spring

HINGES Nickel plated concealed hinge

HOLD OPEN Gas spring holds cover in open position

 ${\sf LATCH}\,$  Slam latch Type 316 Stainless Steel with inside lever handle, includes removable 5/16 inch steel square "L" handle and threaded plug

#### **ORDER GUIDE**

MODEL	WIDTH	Х	LENGTH	COVER	INSTALL	
BFDPPA		х				L
	Standard Siz 24" x 24" 30" x 36"	36"	/ x L)   x 36"   x 39"	S Single Door	<ul><li>A Anchor</li><li>B Bolt-in</li></ul>	

Additional sizes available, call for more information.



#### MATERIALS



Aluminum

#### FRAME





Channel Cast-in Channel Bolt-in

# 1/8 Inch Pan ARCHITECTURAL FLOOR DOOR

Babcock-Davis Architectural Recessed Floor Door is engineered with a recess to allow for 1/8 inch VCT flooring infill. This design preserves the architectural aesthetics while maintaining a minimal sight line.

#### **FEATURES**

**MINIMAL SIGHT LINE** The recessed design allows for 1/8 inch VCT flooring infill to seamlessly integrate with the surrounding area.

**STEEL OPTION** Optional 3/16 inch steel for added strength and durability. Standard finish of primed gray powder coat.



#### **DETAILS**

LOAD 300psf live load

#### MATERIAL

• Aluminum: 1/4 inch, mill finish, gray primer on exterior frame (for cast-in only)

- Steel: 3/16 inch, gray primer
- Stainless Steel: 3/16 inch, Type 304 or Type 316

**COVER** Recessed for 1/8 inch flooring infill

FRAME Angle frame with formed channel frame hinge-side only

**INSTALLATION** Cast In or Bolt-In

**SPRING** Coil type 17-7 Stainless Steel enclosed in Type 316 Stainless Steel telescopic tubes

HINGES Heavy duty Type 316 Stainless Steel

**HOLD OPEN ARM** Type 316 Stainless Steel automatic hold open arm locks cover in open position

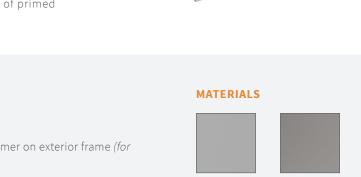
**LATCH** Slam latch Type 316 Stainless Steel with inside lever handle, includes removable 5/16 inch steel square "L" handle and threaded plug

**OPTIONS** Padlock Hasps, Locks, Finishes, Gasket, Safety Grates, Safety Nets, Safety Rails, Skirting

#### **ORDER GUIDE**

MODEL	MATERIAL	WIDTH	Х	LENGTH	COVER	INSTALL	
BFDRP			х				L
	<ul><li>A 1/4" Aluminum</li><li>P 3/16" Steel, Primed</li></ul>	Single Door 24" x 24"			<ul><li>S Single Door</li><li>D Double Door</li></ul>	<ul><li>A Anchor</li><li>B Bolt-in</li></ul>	
	<ul> <li>S 3/16" Stainless Steel, Type 304</li> <li>V 3/16" Stainless Steel, Type 316</li> </ul>	30" x 36" 36" x 36" 42" x 42"		8" x 72" 0" x 60"			

Additional sizes available, call for more information.





Aluminum

Primed Steel

Stainless Steel

#### FRAME



Angle Frame Cast-in

Angle Frame Bolt-in

# **Existing Opening** FLOOR DOOR, 300PSF

The redesigned Existing Opening Floor Door is designed for retrofit applications and is constructed with an angle frame. While providing a quality, economical option this is ideal for areas where water or moisture intrusion is not a concern.

#### **FEATURES**

**PEDESTRIAN LOAD** Designed for standard duty loads and tested up to 300psf live load in interior areas.

**MATERIAL OPTIONS** Upgrade the material to steel for added strength and durability or stainless steel for areas where corrosion is a concern.



#### **DETAILS**

LOAD 300 psf live load

#### MATERIAL

- Aluminum: 1/4 inch, mill finish
- Steel: 3/16 inch, gray primer
- Stainless Steel: 3/16 inch, Type 304 or Type 316, bead blasted

COVER Diamond tread plate

FRAME Angle

**INSTALLATION** Bolt-in

SPRING Enclosed coil, Type 17-7 Stainless Steel

HINGES Heavy-duty Type 316 Stainless Steel

HOLD OPEN ARM Type 316 Stainless Steel, automatic, hold open arm locks cover in open position

LATCH Slam latch, Type 316 Stainless Steel, with inside lever handle and key

**GASKET** EPDM gasket (aluminum only)

**OPTIONS** Padlock Hasps, Locks, Finishes, Gasket, Safety Grates, Safety Nets, Safety Rails, Skirting

#### **ORDER GUIDE**

MO	DEL	Μ	ATERIAL	WIDTH	Х	LENGTH	C	OVER	
FDE	EP				х				DL
		A	1/4" Aluminum	Standard Siz			s	Single Door	
		Ρ	3/16" Steel	Single Door 24" x 24"		Double Door 48" x 48"	D	Double Door	
		S	3/16" Stainless Steel, Type 304	30" x 36" 36" x 36"		48" x 72" 60" x 60"			
		v	3/16" Stainless Steel, Type 316	42" x 42"		00 × 00			

Additional sizes available, call for more information.

#### MATERIALS





Primed Steel Stainless Steel



0

Bolt-in

Steel

FRAME

Aluminum





Angle Frame Bolt-in Aluminum

0	$\square$
	<b>"</b>

Angle Frame Bolt-in Stainless Steel

Angle Frame

# Surface Mount

#### FLOOR DOOR, 150PSF

The Surface Mount Floor Door is designed for retrofit applications with internal flanges for easy mounting. This door is an economical option for areas where water or moisture intrusion is not a concern.

#### **DETAILS**

LOAD 150psf live load

MATERIAL Aluminum: 3/16 inch, mill finish

**COVER** Diamond tread plate

FRAME Interior angle (flange)

**INSTALLATION** Surface mount, mechanically fastened

**SPRING** Coil Type 17-7 Stainless Steel, enclosed in Type 316 Stainless Steel telescopic tubes

HINGES Heavy duty Type 316 Stainless Steel

HOLD OPEN ARM Type 316 Stainless Steel automatic hold open arm with red vinyl grip handle, locks cover in open position

LATCH Slam latch Type 316 Stainless Steel with inside lever handle, includes removable 5/16 inch steel square "L" handle and threaded plug

**GASKET** EPDM, around door perimeter

**OPTIONS** Padlock Hasps, Locks, Finishes, Gasket, Safety Grates, Safety Nets, Safety Rails, Skirting

# Water Tight

WELL HATCH, 625PSF

Babcock-Davis' Water Tight Well Hatch is designed for water-tightness up to 10 foot water column and 625psf load capacity. With waterproof gaskets and pressure locks, this hatch design is ideal for wells and areas prone to flooding.

#### DETAILS

LOAD 625psf live load

MATERIAL Aluminum: 1/4 inch, mill finish

**COVER** Diamond tread plate

FRAME Angle

**INSTALLATION** Surface mount, mechanically fastened

SPRING Coil Type 17-7 Stainless Steel enclosed in Type 316 Stainless Steel telescopic tubes

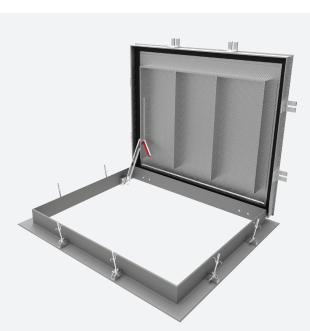
HINGES Heavy duty Type 316 Stainless Steel butt hinges

HOLD OPEN ARM Type 316 Stainless Steel automatic hold open arm locks cover in open position

LATCH Type 316 Stainless Steel pressure locks

**CERTIFICATION** Tested to 10 foot hydrostatic pressure

**OPTIONS** Padlock Hasps, Locks, Finishes, Gasket, Safety Grates, Safety Nets, Safety Rails, Skirting



#### **ORDER GUIDE**

MODEL	WIDTH	Х	LENGTH		da
BFDWTA		х		SSW	
	Standard Siz 24" x 24" 30" x 30" 30" x 36" 36" x 36" 42" x 42"	zes (W	/ x L)		Angle Frame Mech. Faste



Mech. Fastened

Additional sizes available, call for more information.

**ORDER GUIDE** 



MODEL	WIDTH	Х	LENGTH	
BFDNLA		Х		SELN
	Standard Si 24" x 24" 30" x 30" 30" x 36" 36" x 36" 42" x 42"	zes (V	( x L)	

erior Angle ech. Fastened

Additional sizes available, call for more information.

# Safety Grating

Nystrom OSHA compliant Safety Grating provides permanent fall protection. Designed with a 6 inch side access and featuring positive locking in both open and closed positions. The grate includes a padlock hasp and two nut rails. It is available as a factory installed option with most floor door styles, or as a retrofit designed to fit ANY manufacturer.

#### DETAILS

LOAD 300psf live load

MATERIAL Aluminum: extruded, 6 inch by 1/4 inch serrated plate, powder coat

HOLD OPEN LATCH Stainless steel with padlock hasp

COMPLIANCE OSHA 29 CFR1926.502(c)

Plastic fiber reinforced option available, call for more information.

#### **ORDER GUIDE - Factory Installed**

MODEL (FLOOR DOOR)		OPTION
BFD	-	SGT

MODEL	WIDTH	Х	LENGTH		INSTALL
BSGT	Standard	Size	s (W x L)	-	<b>R</b> Retrofit
	24" x 24" 30" x 30" 30" x 36" 36" x 36"		42" x 42" 48" x 48" 48" x 72"		

**ORDER GUIDE - Retrofit** 

Additional sizes available, call for more information.

# Safety Nets

Babcock-Davis Safety Net is designed to be installed in floor door openings to reduce risks associated with falls. The safety net easily slides on guide rails to facilitate entry and then repositioned to prevent fall through.

#### DETAILS

LOAD 5000 lb breaking strength

#### MATERIAL

- Rail: Aluminum 6061 T6
- Netting: Nylon webbing
- Rings: Aluminum alloy

#### INSTALLATION

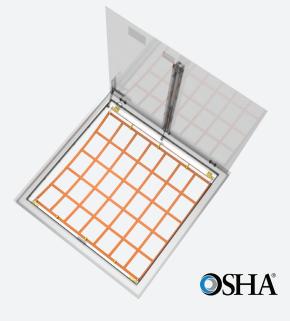
- Drainable Frame: 1/2 inch nuts and bolts
- Retrofit or Non-Drainable Frame: 1/2 inch wedge-style concrete anchors

#### COMPLIANCE OSHA 29 CFR1926.502(c)



Drainable Frame Only Installed in Gutter Channel

#### Download Drawings, CAD, Spec, and LEED documents at babcockdavis.com



**OSHA** 

#### ORDER GUIDE

MODEL	MATERIAL	WIDTH X LENGTH	INSTALL
BSN		Standard Sizes (W $\times$ L)	-
	A Aluminum	36" × 30"	R Retrofit
	S Stainless Steel	48" × 48" 48" × 60"	

# Safety Railings

Babcock-Davis OSHA compliant Safety Railing is an ideal solution to provide a permanent means of fall protection for new and retrofit applications. The safety railing permanently mounts to the floor around an existing floor door or opening.

#### DETAILS

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

FINISH Powder Coat, Safety Yellow

FITTINGS Cast aluminum alloy with set screw hold

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

#### EXIT

- Self Closing Gate: Aluminum 1-1/4 inch tubular steel self closing with coil spring
- Chain: 3/16 inch zinc plated steel link chain with spring clip ends

**COMPLIANCE** OSHA 29 CFR 1910.28 and 1910.29



#### **ORDER GUIDE**

BASE	WIDTH	Х	LENGTH		INSTALL
SRTAY		х			
	Standard	Sizes	5 (W×L)	F Front Exit	<b>C</b> Chain
	30" x 18" 30" x 24" 36" x 30"			S Side Exit (Single Leaf Door)	<b>G</b> Self-Closing Gate
	36" x 36" 48" x 48"			D Side Exit (Double Leaf Door)	

# Ladder Safety Post

#### FALL PROTECTION

The Safety Post is designed in compliance to OSHA to extend 42 inches above a landing platform to provide safe ladder access through a floor door or 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: Safety yellow powder coat or hot dip galvanized
- Stainless Steel: Type 304, mill
- Aluminum: Mill

BALANCING SPRING Stainless steel constant force spring

HARDWARE Type 316 Stainless Steel



#### **ORDER GUIDE**

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

# Safety Chains

Add an optional visual barrier for floor doors and hatches. Constructed with posts and loop chain, the system is available on three sides for single door or two sides for double door configurations.

#### DETAILS

**POST MATERIAL** Aluminum tubing, 1-1/2 inch O.D. by .065 inch wall thickness

**CHAIN MATERIAL** Stainless Steel, 2/16 inch loop chain, attached with spring clips to lifting eye nut

**MOUNT** Aluminum tubing, 2 inch O.D. with 2-1/2 inch mounting plate welded to exterior of frame

#### **ORDER GUIDE**

MODEL	MATERIAL
SC1	2 Post
SC2	4 Post



# Loads

#### LIGHT DUTY

Tested to 150 lbs per square foot loading.

#### **STANDARD DUTY/PEDESTRIAN**

Tested to 300 lbs per square foot live loading.

#### **H20 CLASSIFICATION**

The American Associate of State Highway and Transportation Officials (AASHTO) "Standard Specification for Highways Bridges" defines H-20 loading as a two-axle truck with a maximum dual-wheel load of 16,000 lbs. HS-20 loading is defined as a tractor truck with a tandem axle semi-trailer with a dual-wheel load of 16,000 lbs.

The maximum safe live load is calculated by dividing the load at failure by two.

# OSHA

#### OSHA 29 CFR 1910.29(b)(13) GENERAL INDUSTRY

When guardrail systems are used around holes that serve as points of access (such as ladderways), the guardrail system opening;

• Has a self-closing gate that slides or swings away from the hole, and is equipped with a top rail and midrail or equivalent intermediate member.

#### OSHA 29 CRF 1910.28(b)(3)(i) CONSTRUCTION INDUSTRY

Fall protection systems criteria

- Each employee is protected from falling through any hole that is 4 feet or more above a lower level.
- Includes guardrails, safety nets, personal fall arrests, etc.



# Options

#### COVER



Grating OCG1





GASKETS

View Port

Window

OW1





Gasket

Grab Bar

OG1

2 in Polyiso

Insulation

INR

OTHER



Panic Bar GC



Nut Rail NR

# Finish + Color



Clear

FA1



Dark Bronze FA6



ANSI 70 Gray



Safety Yellow FP48

MODEL	MATERIAL	TYPE	COLOR
FLC		Lacquer	Clear
FTB		Bituminous	Black
FA4	Aluminum	Anodize	Light Bronze
FA6	Aluminum	Anodize	Dark Bronze
FP1	Steel	Powder Coat	ANSI 70 Gray
FP43	Steel	Powder Coat	Traffic White
FP48	Steel	Powder Coat	Safety Yellow
FSN	******	Slip-Not	-
FP2		Anti-Skid Paint	-
			•••••

Colors shown give only an indication of shade. Samples are available upon request

# Latches + Locks



Padlock Hasp



Recessed Padlock Hasp



Detention Lock



Mortise Operated Deadbolt

MODEL	ТҮРЕ	BRAND	DESCRIPTION	LOCK ACCESS
PH	Padlock Hasp	None	Standard	Exterior
PR	Padlock Hasp	None	Recessed	Exterior
D1A	Detention	Brinks 7016	Prep Only	Interior & Exterior
D1B	Detention	Brinks 7016	Prep Only	Interior Only
D11	Detention	Brinks 7016	Keyed Lock	Interior & Exterior
D21	Detention	None	Slam Latch	Exterior Only
MC6	Mortise	Best Cylinder	Long Key w/Plastic Core	Exterior Only
MC6A	Mortise	Schlage Deadbolt	Thumb Turn, Above	Interior Only
MC6B	Mortise	Schlage Deadbolt	Thumb Turn, Below	Exterior Only
MC6P	Mortise	Best Cylinder	Cam Lock w/Plastic Core	Exterior Only
MC6S	Mortise	None	Slam Latch, Prep Only	Exterior Only

#### **OPERATION**



**Door Position** Sensor OP1

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