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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 W. Thomas

Sue W. Thomas | CHIEF EXECUTIVE OFFICER
Fire-Rated
DIAMOND TREAD FLOOR DOOR

Babcock-Davis’ Diamond Tread Floor Door is designed to contain fire from penetrating through the opening. Available with 2- or 3-hour fire-rating options, this floor door is designed for pedestrian traffic loads.

FEATURES

BOLT-IN INSTALLATION  Available with a bolt-in option for retrofit or drop-in installations.

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 to 250°F.

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

FIRE-RATING  2- or 3-Hour

FRAME  Angled Frame

INSTALLATION  Cast-in or Bolt-in

SPRING  Gas spring, Type 316 Stainless Steel

HINGES  Heavy-duty Type 316 Stainless Steel butt hinge

LATCH  Two-point slam latch, zinc plated steel, with inside pull release cable, includes removable 5/16 inch steel square "L" handle and threaded plug

COMPLIANCE  NFPA 288

OPTIONS  Self-closing mechanism automatically closes door at 165°F in event of fire, dampers for slow opening

ORDER GUIDE

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Additional sizes available, call for more information.

Download Drawings, CAD, Spec, and LEED documents at www.BabcockDavis.com
Fire-Rated
1/8 Inch Pan
ARCHITECTURAL FLOOR DOOR

Babcock-Davis’ Fire-Rated Floor Door is designed to contain a fire from penetrating through the opening. This floor door is reinforced for pedestrian traffic loads and features a pan that accepts carpet or vinyl tile. Interior applications only.

FEATURES

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

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 to 250°F.

DETAILS

LOAD 300 psf live load
MATERIAL Aluminum: 1/4 inch, mill finish, gray primer on exterior frame (for cast-in only)
COVER 1/8 inch pan recess for carpet or tile
FIRE-RATING 2- or 3-Hour
FRAME Extruded Aluminum Angle
INSTALLATION Cast In or Bolt-In
SPRING Gas spring, Type 316 Stainless Steel
HINGES Heavy-duty Type 316 Stainless Steel butt hinge
LATCH Two-point slam latch, zinc plated steel, with inside pull release cable, includes removable 5/16 inch steel square “L” handle and threaded plug
COMPLIANCE NFPA 288
OPTIONS Self-closing mechanism automatically closes door at 165°F in event of fire, dampers for slow opening

MATERIALS

Aluminum

FRAME

Angle Frame
Cast-In
Angle Frame
Bolt-In

ORDER GUIDE

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Additional sizes available, call for more information.
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, EDPM 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

**ORDER GUIDE**

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Additional sizes available, call for more information.

Download Drawings, CAD, Spec, and LEED documents at www.BabcockDavis.com
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 with gray primer on exterior frame

COVER  Diamond tread plate

FRAME  Drainable gutter frame with integral 1 inch anchor flange, EDPM 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

MATERIALS

Aluminum

FRAME

Gutter Frame
Cast-In

ORDER GUIDE

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Additional sizes available, call for more information.

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

MATERIALS

Aluminum

FRAME

Gutter Frame Cast-In

ORDER GUIDE

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Standard Sizes (W x L)
Double Leaf
48” x 80” to 48” x 120”
60” x 80” to 60” x 120”
96” x 80” to 96” x 120”
108” x 48” to 108” x 120”

Additional sizes available, call for more information.
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

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Additional sizes available, call for more information.

MATERIALS

Aluminum

FRAME

Angle 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

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Additional sizes available, call for more information.

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

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 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

ORDER GUIDE

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Additional sizes available, call for more information.

MATERIALS

Aluminum

FRAME

Channel
Cast-In

Channel
Bolt-In

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

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Additional sizes available, call for more information.

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

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**Standard Sizes**
- Single Leaf: 24" x 24" 30" x 36" 36" x 36" 42" x 42"
- Double Leaf: 48" x 48" 48" x 72" 60" x 60"

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

**MATERIALS**

- Aluminum
- Primed Steel
- Stainless Steel

**FRAME**

- Angle Frame Bolt-in
- Angle Frame Bolt-in Stainless Steel
- Angle Frame Bolt-in Stainless Steel
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

ORDER GUIDE

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Additional sizes available, call for more information.

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

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Additional sizes available, call for more information.
Safety Grating
FALL PROTECTION

Babcock-Davis’ 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.

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

MODEL - SGT

Safety Nets
FALL PROTECTION

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)

ORDER GUIDE

MODEL MATERIAL WIDTH X LENGTH INSTALL
SN X
A Aluminum Standard Sizes (W x L)
S Stainless Steel 36” x 30”
48” x 48”
R Retrofit 48” x 60”
Safety Railings
FALL PROTECTION

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

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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

<table>
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<tr>
<td>BSPS</td>
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Safety Chains

FALL PROTECTION

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 leaf or two sides for double leaf 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

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<tr>
<td>SC2</td>
<td>4 Post</td>
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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 CFR 1926.502
CONSTRUCTION INDUSTRY

Fall protection systems criteria
• Each employee on walking/working surface shall be protected from falls through holes more than 6 feet.
• Includes guardrails, safety nets, personal fall arrests, etc.
Options

Cover
- Grating OCG1
- View Port Window OW1
- 2 in Polyiso Insulation INR

Skirting
- Custom Height H_

Gaskets
- Gasket

Other
- Grab Bar OG1
- Nut Rail NR

Finish + Color
- Clear FA1
- Dark Bronze FA6
- ANSI 70 Gray FP1
- Safety Yellow FP48

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

Latches + Locks

Padlock Hesp
- Detention Lock
- Recessed Padlock Hesp
- Mortise Operated Deadbolt

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