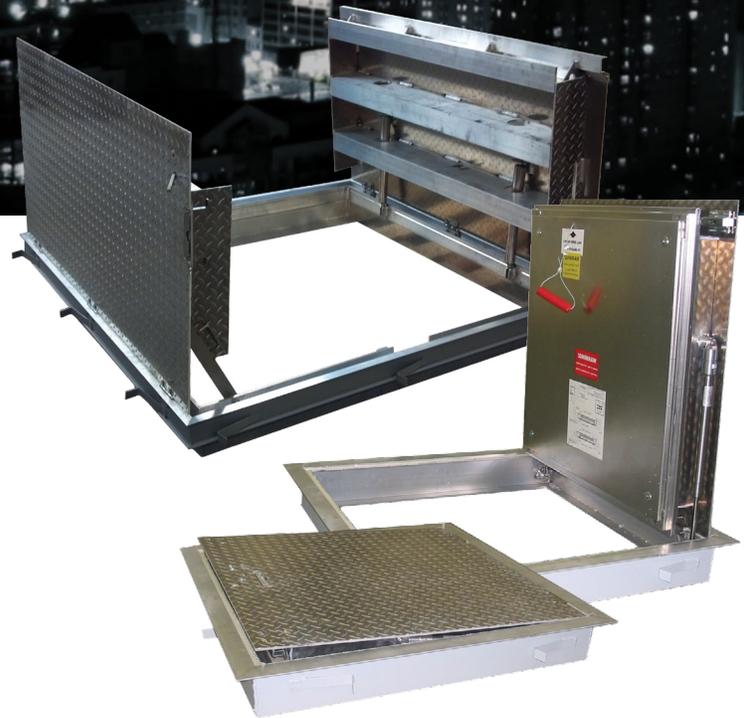


Floor Doors

January 2016



NYSTROM[®]

Right to site.

10⁺¹

Complementary Building Products

Nystrom is a global supplier of miscellaneous and specialty construction products.

We partner with our customers to simplify specifying and procurement, minimizing cost and time in the construction project workflow. Our representatives take responsibility for guiding you through the process from beginning to end.

Nystrom is committed to delivering you the right products at the right time. *Right to site.*

Stair Treads & Nosings

05 50 00



Fall Protection

05 52 13 / 07 72 00



Roof Hatches

07 72 33



Smoke Vents

07 72 36



Expansion Joint Systems

07 91 00 / 07 95 13



Access Doors

08 31 00



Floor Doors

08 31 00



Louvers

08 91 00



Wall & Door Protection

10 26 00



Fire Safety

10 44 13



Entrance Flooring

12 48 13 / 12 48 16



OUR HATCHES WILL FLOOR YOU



Durable doors for tough environments.

Nystrom, an industry leader in commercial building products, offers a full line of high quality floor doors, hatches and sidewalk vaults for all of your access requirements.

As specialists in waste water treatment facilities, we have products specifically designed for corrosive environments. Our overall design is compact with a lower profile hardware pack and provides a larger clear opening. With options such as stainless steel materials, skirting, odor reduction gaskets, safety grates and railings, our floor doors are built to last.

With the quickest industry lead times Nystrom will get the right door to the right place at the right time. Nystrom...*Right to Site.*

- ✓ Low profile design
- ✓ Corrosion resistant
- ✓ Fall protection

NYSTROM[®]

Right to site.

Nystrom's floor, vault and sidewalk doors provide safe and reliable access below ground and between building floors. With Nystrom's industry experienced personnel, we build our services around your specific needs. Contact our expert sales department for guidance on your next project. Nystrom... *Right to site.*

Fire-Rated

- 2-Hour Rated
- 3-Hour Rated

pg 5

Engineered to achieve 2-hour and 3-hour fire-rating as tested by Warnock-Hersey to meet NFPA 288 test standards.



Drainable

- Pedestrian
- H2O Vehicular

pg 6-7

Intended for exterior or high moisture areas when liquid flow into the door is a concern.



Non-Drainable

- Pedestrian
- H2O Vehicular

pg 8-9

Our cast-in doors are primarily for interior use in new openings, when concrete will be pour-in-place.



Specialty

- Existing Opening
- Architectural Recessed
- Surface Mount
- Water Tight

pg 10-13



Fall Protection pg 14-15

- Safety Grating
- Safety Nets
- Safety Railings
- Safety Post
- Safety Chains

Options pg 19

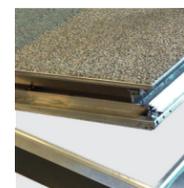
Learn about the many options we offer for you to customize your door, including materials and finishes, locks, gaskets, skirting, insulation and more.

Nystrom's Fire-Rated Floor Door is designed to contain a fire from penetrating through the opening. Available with 2- or 3-hour fire-rating options, this floor door is designed for pedestrian traffic loads and optional architectural recessed flooring infill. *Interior applications only.*

- LOAD: 300psf live load (pedestrian)
 MATERIAL: Aluminum 1/4 inch, mill finish with epoxy on exterior frame
 COVER: Diamond tread plate or 1/8 inch recess for flooring infill
 FIRE-RATING: 2- or 3-Hour
 FRAME: Angled frame
 INSTALLATION: Cast-In: 1/4 inch by 1 inch by 4 inch anchor straps welded for concrete pour
 Surface mount, mechanically fastened: bolt holes, 3/8 inch diameter for drop-in
 Type 316 SST
 SPRING: Heavy-duty Type 316 SST butt hinge
 HINGES: Slam latch, Type 316 SST, with inside pull release cable, includes removable 5/16 inch steel square "L" handle and threaded plug
 LATCH:
 COMPLIANCE: NFPA 288
 OPTION(S): Self-closing mechanism automatically closes door at 165°F in event of fire, dampers for slow opening



Features



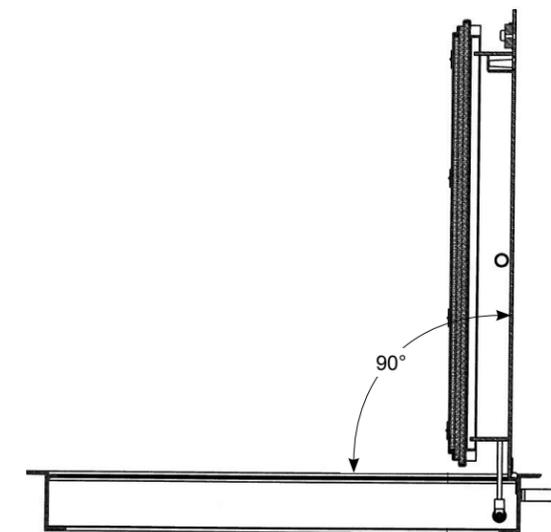
Optional recess design

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



Bolt-in installation

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



LOAD	
C	Diamond Tread Plate
T	Recessed 1/8 inch

FIRE-RATING	
RM	2-Hour
CM	3-Hour

STANDARD SIZES	
Single Door	36" x 36"
18" x 18"	42" x 42"
24" x 24"	Double Door
30" x 30"	48" x 48"
30" x 36"	48" x 60"

COVER	
SC	Self-Closing Mechanism
W	Wood Frame Install

INSTALL	
A	Anchor
B	Bolt-In

Drainable Pedestrian Floor Door



Nystrom's Pedestrian Drainable Floor Door is intended for standard duty 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.

- LOAD:** 300psf live load (pedestrian)
- MATERIAL:** Aluminum: 1/4 inch, mill finish with epoxy on exterior frame
Steel: 3/16 inch, primed gray powder coat
Stainless Steel: 3/16 inch, type 304
- COVER:** Diamond tread plate
- FRAME:** Formed gutter frame with a 1-1/2 inch drain coupling welded under frame for pipe connection
- INSTALLATION:** Cast-In: 1/4 inch by 1 inch by 4 inch anchor straps welded for concrete pour
- SPRING:** Coil type 17-7 SST enclosed in Type 316 SST telescopic tubes
- HINGES:** Heavy duty Type 316 SST
- HOLD OPEN ARM:** Type 316 SST automatic hold open arm locks cover in open position
- LATCH:** Slam latch Type 316 SST with inside lever handle, includes removable 5/16 inch steel square "L" handle and threaded plug

Features



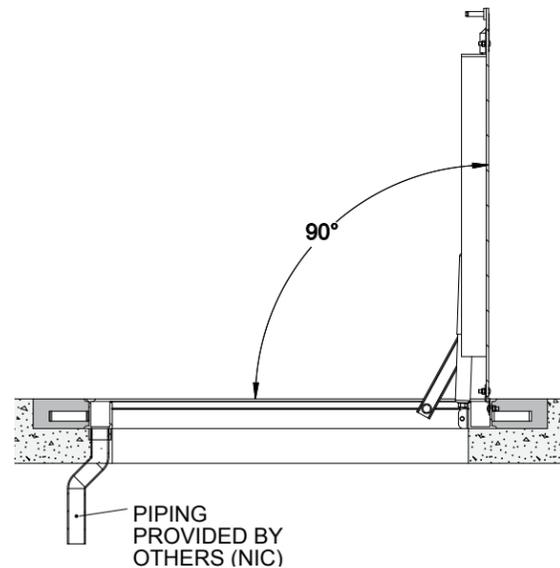
Pedestrian load

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



Liquid removal

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



FDDP MATERIAL WIDTH X LENGTH COVER **AL -** OPTIONS

MATERIAL	
A	1/4" Aluminum
P	3/16" Steel Primed
S	3/16" Type 304 Stainless Steel
T	3/16" Type 316 Stainless Steel

STANDARD SIZES	
Single Door	Double Door
24" x 24"	48" x 48"
30" x 36"	48" x 72"
36" x 36"	60" x 60"
42" x 42"	

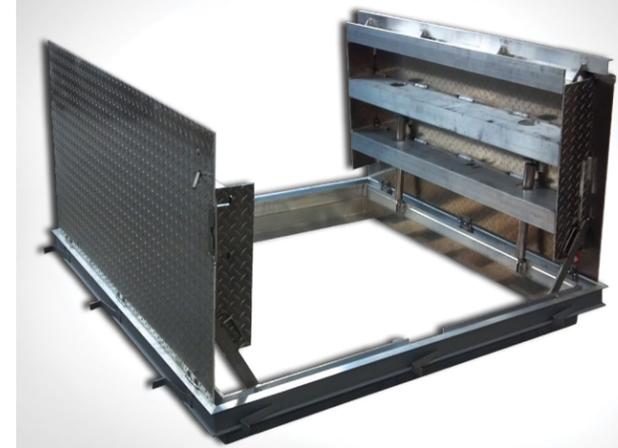
COVER	
S	Single Door
D	Double Door

OPTIONS	
Locks	Safety
Finishes	Skirting
Gaskets	Other
Operation	

Additional sizes available.

Refer to pages 18-20 for options

Drainable H2O Floor Door



The H2O 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.

- LOAD:** H2O wheel load (vehicular)
- MATERIAL:** Aluminum: 1/4 inch, mill finish with epoxy on exterior frame
Steel: 3/16 inch, primed gray powder coat
Stainless Steel: 3/16 inch, type 304 or 316
- COVER:** Diamond tread plate
- FRAME:** Formed gutter frame with a 1-1/2 inch drain coupling welded under frame for pipe connection for water runoff.
- INSTALLATION:** Cast-In: 1/4 inch by 1 inch by 4 inch anchor straps welded for concrete pour
- SPRING:** Coil type 17-7 SST enclosed in Type 316 SST telescopic tubes
- HINGES:** Heavy duty Type 316 SST
- HOLD OPEN ARM:** Type 316 SST automatic hold open arm locks cover in open position
- LATCH:** Slam latch Type 316 SST with inside lever handle, includes removable 5/16 inch steel square "L" handle and threaded plug

Features



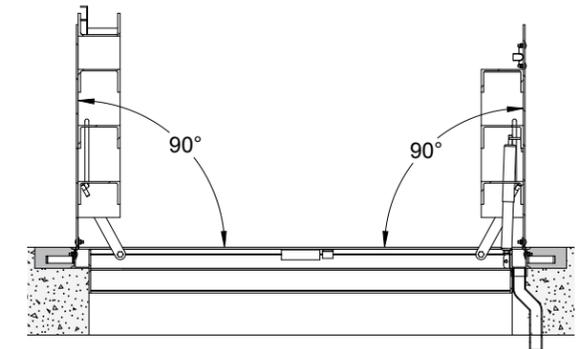
Vehicle load

Designed for exterior/wet environments and tested for H2O wheel load for infrequent, off-street traffic.



Drainable frame

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



FDDH MATERIAL WIDTH X LENGTH COVER **AL -** OPTIONS

MATERIAL	
A	1/4" Aluminum
P	3/16" Steel Primed
S	3/16" Type 304 Stainless Steel
T	3/16" Type 316 Stainless Steel

STANDARD SIZES	
Single Door	Double Door
24" x 24"	48" x 48"
30" x 36"	48" x 72"
36" x 36"	60" x 60"
42" x 42"	

COVER	
S	Single Door
D	Double Door

OPTIONS	
Locks	Safety
Finishes	Skirting
Gaskets	Other
Operation	

Additional sizes available.

Refer to pages 18-20 for options

Non-Drainable Pedestrian Floor Door



Nystrom's 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.

- LOAD: 300psf live load (pedestrian)
- MATERIAL: Aluminum: 1/4 inch, mill finish with epoxy on exterior frame
- COVER: Diamond tread plate
- FRAME: C-Channel
- INSTALLATION: Cast-In: 1/4 inch by 1 inch by 4 inch anchor straps welded for concrete pour
- SPRING: Coil type 17-7 SST, enclosed in Type 316 SST telescopic tubes
- HINGES: Heavy duty Type 316 SST
- HOLD OPEN ARM: Type 316 SST automatic hold open arm locks cover in open position
- LATCH: Slam latch Type 316 SST with inside lever handle, includes removable 5/16 inch steel square "L" handle and threaded plug

Features



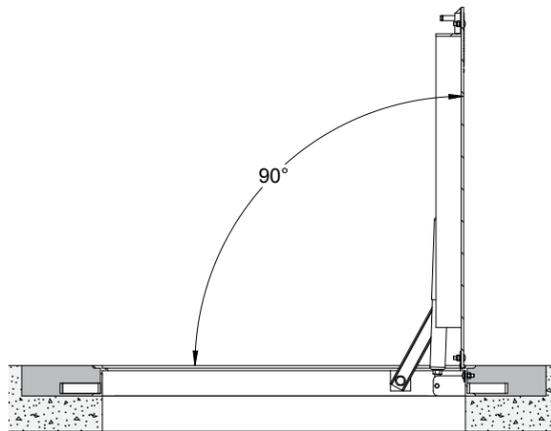
Pedestrian load

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



New concrete application

Cast-in anchor straps are welded onto the angle frame for new concrete construction.



FDNPA x **AL -**

STANDARD SIZES	
Single Door 24" x 24"	Double Door 48" x 48"
30" x 36"	48" x 72"
36" x 36"	60" x 60"
42" x 42"	

Additional sizes available.

COVER
S Single Door
D Double Door

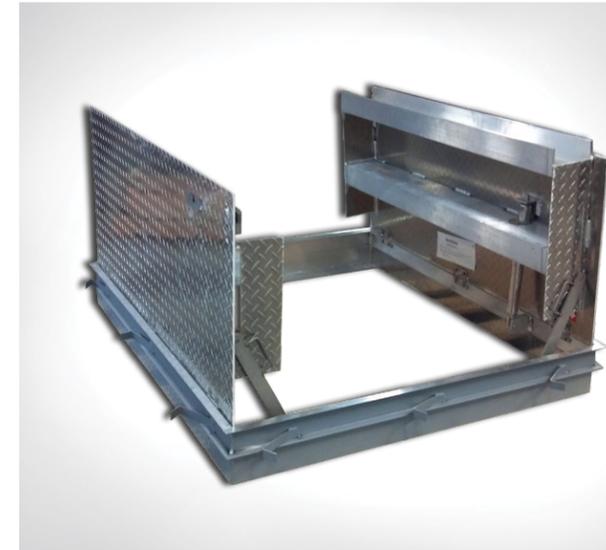
OPTIONS	
Locks	Safety
Finishes	Skirting
Gaskets	Other
Operation	

Refer to pages 18-20 for options

Non-Drainable H2O Floor Door

The H2O 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.

- LOAD: H2O wheel load (vehicular)
- MATERIAL: Aluminum: 1/4 inch, mill finish with epoxy on exterior frame
Steel: 3/16 inch, primed gray powder coat
Stainless Steel: 3/16 inch, type 304 or 316
- 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 SST enclosed in Type 316 SST telescopic tubes
- HINGES: Heavy duty Type 316 SST
- HOLD OPEN ARM: Type 316 SST automatic hold open arm locks cover in open position
- LATCH: Slam latch Type 316 SST with inside lever handle, includes removable 5/16 inch steel square "L" handle and threaded plug



Features



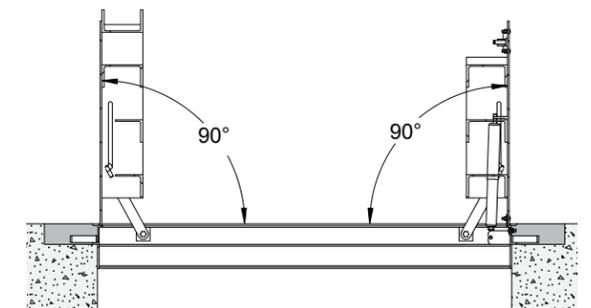
Vehicle load

Constructed with substantial structural beams in the cover to support H-20 vehicle load.



Steel option

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



FDNH x **AL -**

MATERIAL
A 1/4" Aluminum
P 3/16" Steel Primed
S 3/16" Type 304 Stainless Steel
T 3/16" Type 316 Stainless Steel

STANDARD SIZES	
Single Door 24" x 24"	Double Door 48" x 48"
30" x 36"	48" x 72"
36" x 36"	60" x 60"
42" x 42"	

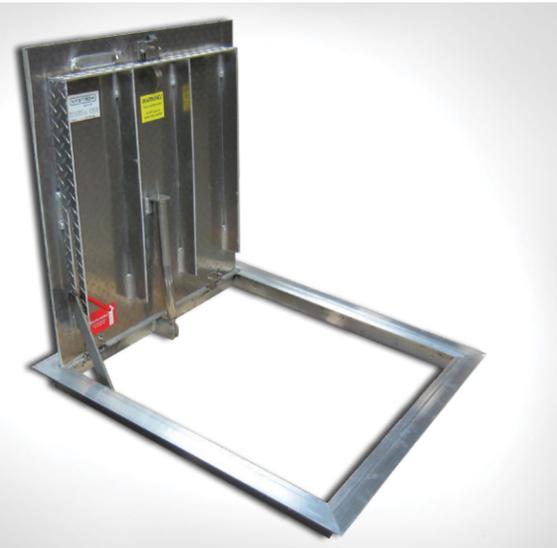
Additional sizes available.

COVER
S Single Door
D Double Door

OPTIONS	
Locks	Safety
Finishes	Skirting
Gaskets	Other
Operation	

Refer to pages 18-20 for options

Existing Opening Floor Door



The 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.

- LOAD: 300psf live load (pedestrian)
- MATERIAL: Aluminum: 1/4 inch, mill finish with epoxy on exterior frame
Steel: 3/16 inch, primed gray powder coat
Stainless Steel: 3/16 inch, Type 304 or 316
- COVER: Diamond tread plate
- FRAME: Angle
- INSTALLATION: Surface mount, mechanically fastened: bolt holes, 3/8 inch diameter for drop in
- SPRING: Coil type 17-7 SST, enclosed in Type 316 SST telescopic tubes
- HINGES: Heavy duty Type 316 SST
- HOLD OPEN ARM: Type 316 SST automatic hold open arm locks cover in open position
- LATCH: Slam latch Type 316 SST with inside lever handle, includes removable 5/16 inch steel square "L" handle and threaded plug

Features



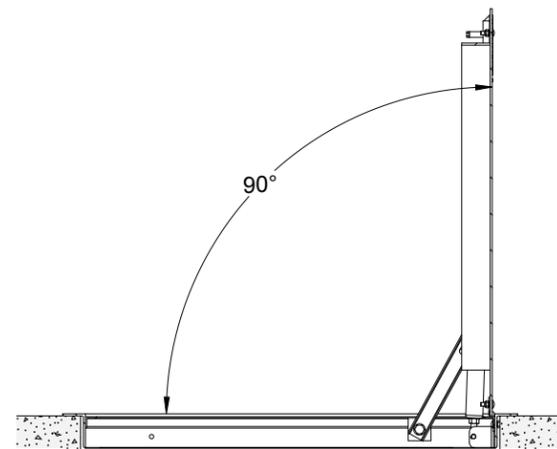
Pedestrian load

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



Material options

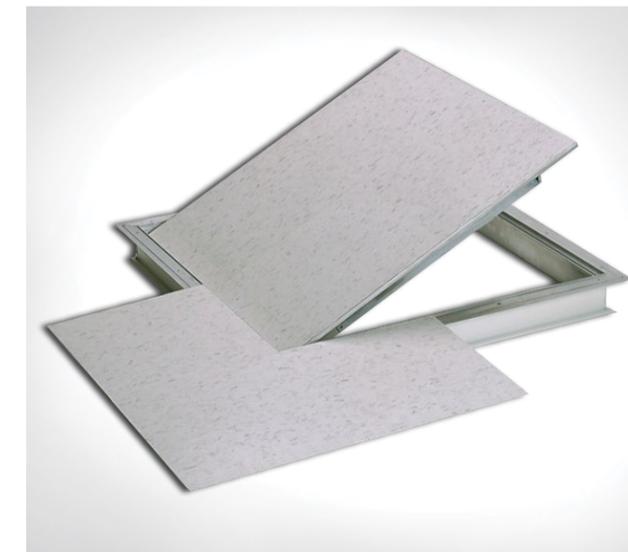
Upgrade the material to steel for added strength and durability or stainless steel for areas where corrosion is a concern.



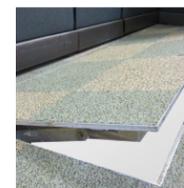
Architectural Recessed Floor Door

Nystrom's 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.

- LOAD: 300psf live load (pedestrian)
- MATERIAL: Aluminum: 1/4 inch, mill finish with epoxy on exterior frame
Steel: 3/16 inch, primed gray powder coat
- COVER: Recessed for 1/8 inch flooring infill
- FRAME: Angle frame with formed channel frame hinge-side only
- INSTALLATION: Cast-In: 1/4 inch by 1 inch by 4 inch anchor straps welded for concrete pour
Surface mount, mechanically fastened: bolt holes, 3/8 inch diameter for drop-in
- SPRING: Coil type 17-7 SST enclosed in Type 316 SST telescopic tubes
- HINGES: Heavy duty Type 316 SST
- HOLD OPEN ARM: Type 316 SST automatic hold open arm locks cover in open position
- LATCH: Slam latch Type 316 SST with inside lever handle, includes removable 5/16 inch steel square "L" handle and threaded plug



Features



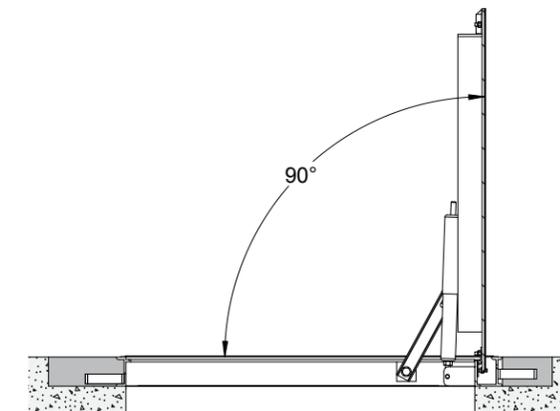
Minimal sight line

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.



FDEP MATERIAL WIDTH X LENGTH COVER **BL** - OPTIONS

MATERIAL	
A	1/4" Aluminum
P	3/16" Steel Primed
S	3/16" Type 304 Stainless Steel
T	3/16" Type 316 Stainless Steel

STANDARD SIZES	
Single Door	Double Door
24" x 24"	48" x 48"
30" x 36"	48" x 72"
36" x 36"	60" x 60"
42" x 42"	

COVER	
S	Single Door
D	Double Door

OPTIONS	
Locks	Safety
Finishes	Skirting
Gaskets	Other
Operation	

Additional sizes available.

Refer to pages 18-20 for options

FDRP MATERIAL WIDTH X LENGTH COVER **INSTALL** **L** - OPTIONS

MATERIAL	
A	1/4" Aluminum
P	3/16" Steel Primed

STANDARD SIZES	
Single Door	Double Door
24" x 24"	48" x 48"
30" x 36"	48" x 72"
36" x 36"	60" x 60"
42" x 42"	

COVER	
S	Single Door
D	Double Door

INSTALL	
A	Anchor
B	Bolt In

OPTIONS	
Locks	Safety
Finishes	Skirting
Gaskets	Other
Operation	

Additional sizes available.

Refer to pages 18-20 for options

Surface Mount Floor Door



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.

- LOAD: 150psf live load (light)
- MATERIAL: Aluminum: 3/16 inch, mill finish with epoxy on exterior frame
- COVER: Diamond tread plate
- FRAME: Interior angle (flange)
- INSTALLATION: Surface mount, mechanically fastened: bolt holes, 3/8 inch diameter
- SPRING: Coil type 17-7 SST, enclosed in Type 316 SST telescopic tubes
- HINGES: Heavy duty Type 316 SST
- HOLD OPEN ARM: Type 316 SST automatic hold open arm with red vinyl grip handle, locks cover in open position
- LATCH: Slam latch Type 316 SST with inside lever handle, includes removable 5/16 inch steel square "L" handle and threaded plug
- GASKET: EPDM, around door perimeter

Features



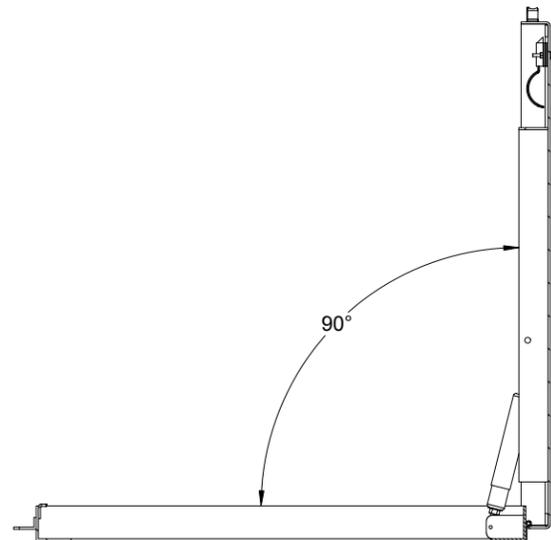
Surface mount

Constructed with an interior angle frame (flange) for easy bolting to an opening in the floor.



Security closure

Built with an external padlock hasp for secure closure when not in use ensuring safety from falls, theft and vandalism.



FDNLA x SELN -

STANDARD SIZES	
Single Door	
24" x 24"	36" x 36"
30" x 36"	42" x 42"

OPTIONS	
Locks	Safety
Finishes	Skirting
Gaskets	Other
Operation	

Refer to pages 18-20 for options

Water Tight Well Hatch



Nystrom's 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.

- LOAD: 625psf live load
- MATERIAL: Aluminum: 1/4 inch, mill finish with epoxy on exterior frame
- COVER: Diamond tread plate
- FRAME: Angle
- INSTALLATION: Surface mount, mechanically fastened: field drilled by others
- SPRING: Coil type 17-7 SST enclosed in Type 316 SST telescopic tubes
- HINGES: Heavy duty Type 316 SST butt hinges
- HOLD OPEN ARM: Type 316 SST automatic hold open arm locks cover in open position
- LATCH: Type 316 SST pressure locks
- GASKET: EPDM rubber gasket seal, water and odor resistant
- CERTIFICATION: Tested to 10 foot hydrostatic pressure

Features



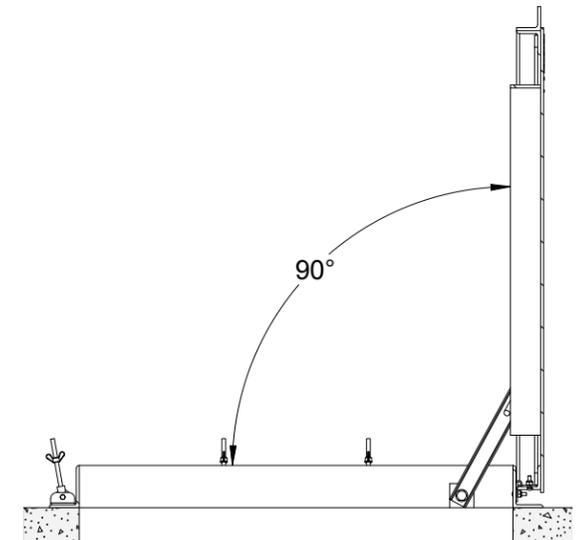
Pressure locks

Constructed with pressure lock latches with wing nuts to securely fasten the hatch lid closed.



Gasket

A water and odor resistant, EPDM rubber gasket seal is applied around the perimeter of the cover.



FDWTA x SSW -

STANDARD SIZES	
Single Door	Double Door
24" x 24"	48" x 48"
30" x 36"	48" x 72"
36" x 36"	60" x 60"
42" x 42"	

OPTIONS	
Locks	Safety
Finishes	Skirting
Gaskets	Other
Operation	

Refer to pages 18-20 for options



Nystrom's OSHA compliant Safety Grating provides a permanent means of fall protection under floor doors and allows maintenance professionals and workers access in underground areas. Designed with 4 inch by 2-1/2 inch openings for maintenance access. It is available as a factory installed option with most floor door styles.

LOAD: 300psf live load
 MATERIAL: Aluminum: 1/4 inch plate, orange powder coat
 Plastic: fiber reinforced (FRP), yellow
 HOLD OPEN LATCH: Stainless steel with optional padlock hasp
 COMPLIANCE: OSHA 29 CFR1926.502(c)

Features



Safety closure

The hold open latch ensures that the grate will not fall and injure people walking through the hatch.



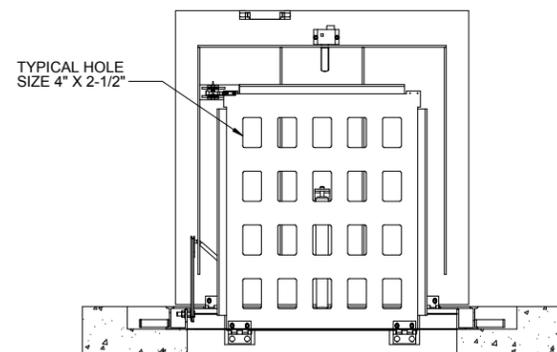
Optional plastic grate

Available with yellow fiber reinforced plastic (FRP) with smaller openings to prevent tools from falling through the opening.



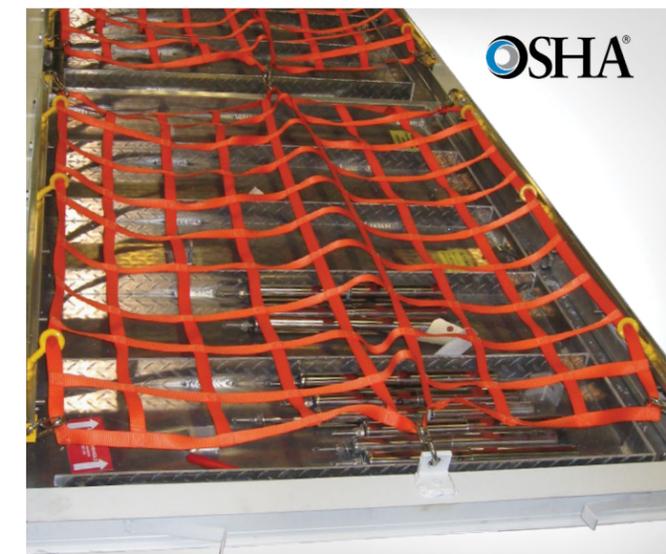
Fall protection

The safety gate is mounted under the floor door providing a permanent means of fall protection as required by OSHA regulations (pg 19).



- SG

MATERIAL	LATCH
Aluminum O Orange Y Yellow	N No Padlock P Padlock
Plastic YF Yellow	



Nystrom's 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. This system also prevents objects from falling through the opening onto people below.

LOAD: 5000 lb breaking strength
 MATERIAL: Rail: Extruded aluminum 6061 T6
 Netting: Nylon webbing
 Rings: Aluminum alloy
 INSTALLATION: New Construction: 1/2 inch nuts and bolts
 Retrofit: 1/2 inch wedge-style concrete anchors
 COMPLIANCE: OSHA 29 CFR1926.502(c)

Features



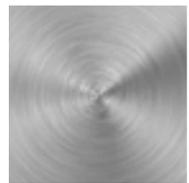
Fall protection

The safety net is engineered to guard floor door openings from falls as required by OSHA regulations (pg. 19).



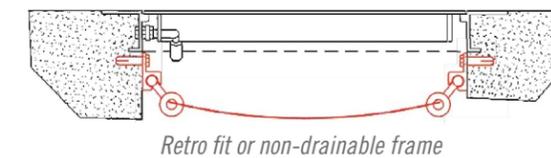
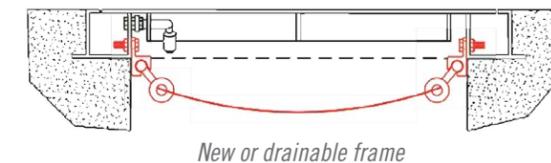
Spring clips

Quickly and easily open and close the spring clip to gain access through floor doors and hatches.



Mounting option

Available with a stainless steel mounting option for use in corrosive environments.



SN

MATERIAL	WIDTH	LENGTH	INSTALL
A Aluminum S Stainless Steel	36" x 30" 48" x 48" 48" x 60"		N New Install R Retrofit

Safety Railings



Nystrom's 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.

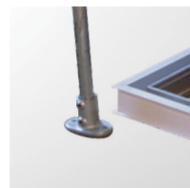
- MATERIAL:** 1-1/4 inch ID, 1.66 inch OD, Schedule 40 galvanized steel pipe
- FITTINGS:** Cast Aluminum alloy with set screw secure mounting
- EXIT TYPE:** Chain: 3/16 inch proof coil, zinc plated steel
Self-Closing Gate: 1-1/4 inch galvanized steel tube
- HARDWARE:** Hex head bolts 3/8 inch - 16 x 3/4 inch zinc plated steel
- COMPLIANCE:** OSHA 29 CFR1910.23 guarding floor and wall openings and holes
- SIZES:** Industry standard and custom sizes available

Features



Fall protection

In accordance with OSHA regulations (pg. 19), the safety railing is engineered to guard floor door openings to protect against falls.



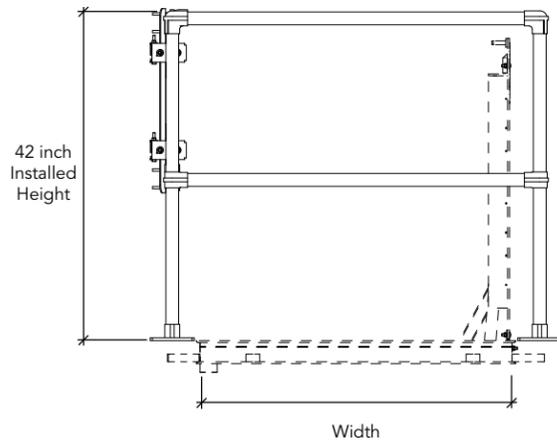
Secure mounting

Fasten safety railing post brackets to floor for permanent and secure mounting.



Easy field installation

Easily assemble rails and fittings. No field cutting required as rails are cut to exact size.



SRTG

WIDTH X LENGTH EXIT OPTIONS

STANDARD SIZES	
Single Door 24" x 24"	Double Door 48" x 48"
30" x 36"	48" x 72"
36" x 36"	60" x 60"
42" x 42"	

EXIT	
F	Front Exit
S	Side Exit (Single Door)
D	Side Exit (Double Door)

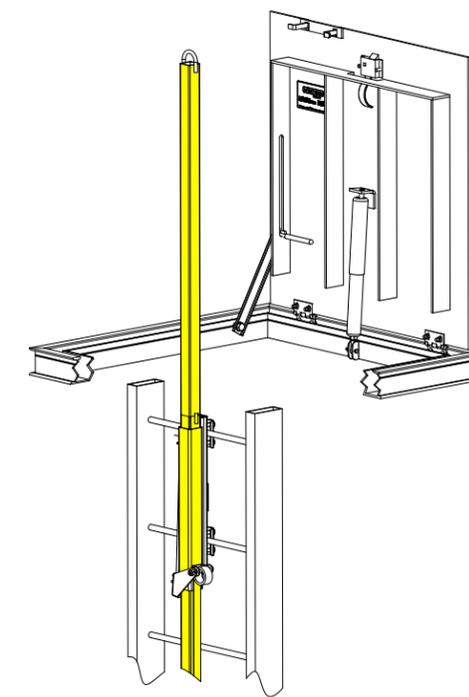
OPTIONS	
C	Chain
G	Self-Closing Gate

Ladder Safety Post

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. The spring assisted telescoping design mounts to the top two rungs of a fixed vertical ladder.

- 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
 - Steel, hot dip galvanized
 - Stainless Steel Type 304, mill finish
 - Aluminum, mill
- BALANCING SPRING:** Stainless steel constant force spring
- HARDWARE:** Type 316 stainless steel

Model	Material	Finish
SPY	Steel	Powder Coat Yellow
SPY		Hot Dip Galvanized
SPA	Aluminum	Mill
SPS	Stainless Steel	Mill

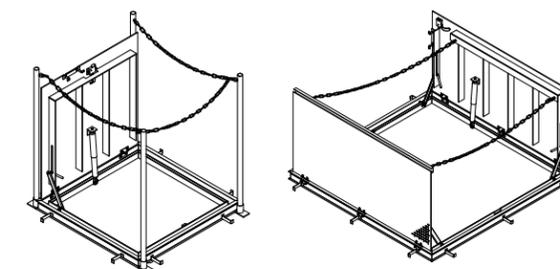


Safety Chains

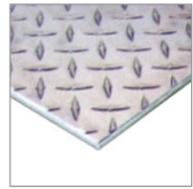
Add an optional barrier for floor doors and hatches with Safety Chains. Constructed of posts and loop chain, the system is available on three sides for single door or two sides for double door configurations.

- POST MATERIAL:** Aluminum tubing, 1-1/2 inch O.D. by .065 inch wall thickness
- CHAIN MATERIAL:** Stainless Steel, 3/16 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

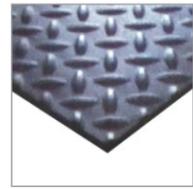
Model	Description
SC1	2 Posts
SC2	4 Posts



Material Options



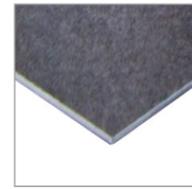
Aluminum
(Diamond Tread Plate)



Steel
(Diamond Tread Plate)



T304 Stainless Steel
(Diamond Tread Plate)



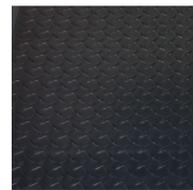
T316 Stainless Steel

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

Finish and Color Options



Clear
FA1



Dark Bronze
FA6



ANSI 70 Gray
FP1



Safety Yellow
FP48

Model	Material	Type	Color
FNN	Aluminum	Epoxy	Mill
FXW			White
FLC		Lacquer	Clear
FTB		Bituminous	Black
FA1	Aluminum	Anodize	Clear
FA4			Light Bronze
FA6			Dark Bronze
FP1	Steel	Powder Coat	ANSI 70 Gray
FP43			Traffic White
FP48			Safety Yellow
FSN		Slip-Not	-
FP2		Anti-Skid Paint	-
FCA	Stainless Steel	Citric Acid Tint Removal	-

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

Lock & Latch Options



Padlock Hasp



Detention Lock



Recessed
Padlock Hasp



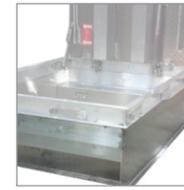
Mortise Operated
Deadbolt

Model	Type	Brand	Description	Lock Access	
PH	Padlock Hasp	None	Standard	Exterior	
PR			Recessed	Exterior	
D1A	Detention	Brinks 7016	Prep Only	Interior & Exterior	
D1B				Interior Only	
D1C			Exterior Only		
D11			Interior & Exterior		
D12			Interior Only		
D13			Exterior Only		
MC6	Mortise	Best Cylinder	Long Key w/ Plastic Core	Exterior Only	
MSA			Schlage Deadbolt	Prep	Interior & Exterior
MS1				Keyed	Interior & Exterior

Additional locks and options available, call for more information.

Options

Skirting

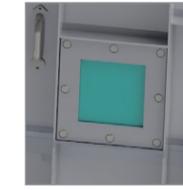


Custom Height
H_

Cover Options



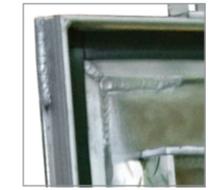
Grating
OCG1



View Port Window
OW1



2 in Polyiso Insulation
INR



Odor Reduction GO
Debris GD

Operation



Panic Bar
GC



Door Position Sensor
OP1



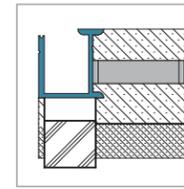
Grab Bar
OG1



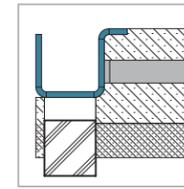
Nut Rail
NR

Other

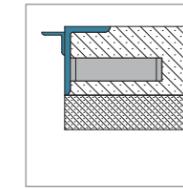
Frames



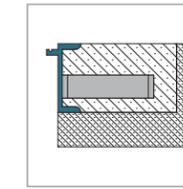
Aluminum
Gutter Frame



Steel
Gutter Frame



Aluminum
Angle Frame



Aluminum
C-Channel Frame

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 1910.23 General Industry

Guarding floor and wall openings and holes

- All openings must be protected
- 1910.23(a)(4) Every skylight floor opening and hole
 - Shall be guarded by a standard skylight screen or a fixed standard railing on all exposed sides

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.



10+1

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