nystrom®
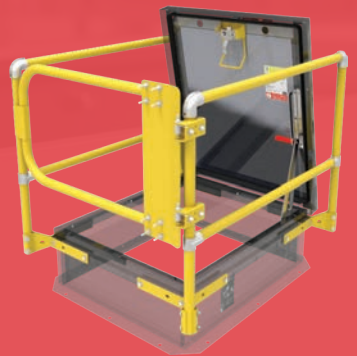
Direct Service Done Right

UPDATED
Personnel™
Roof Hatch

Industry's Best Hatch!
Page 6

07 7200
Rooftop Products
Catalog

nystrom®

Direct Service Done Right

DIV 5

STAIR TREADS + NOSINGS
05 5000

FALL PROTECTION
05 5213 / 07 7200

DIV 7

ROOF HATCHES
07 7200

SMOKE VENTS
07 7200
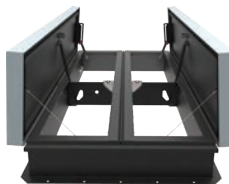
PREFORMED JOINT SEALS + EXPANSION JOINT SYSTEMS
07 9100 + 07 9513

DIV 8

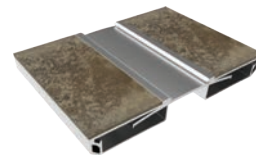**ACCESS DOORS + PANELS**
08 3100

FLOOR DOORS + HATCHES
08 3483

DIV 10

LUMINOUS EGRESS PRODUCTS
10 1443

FIRE PROTECTION CABINET + FIRE EXTINGUISHERS
10 4413 + 10 4416

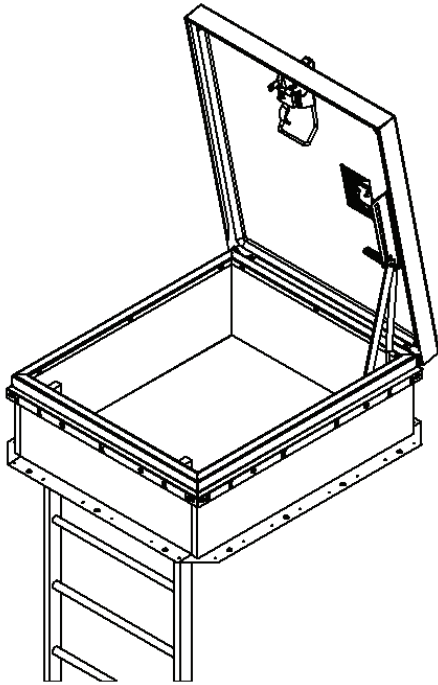**ENTRANCE MATS + FRAMES ENTRANCE FLOOR GRILLES**
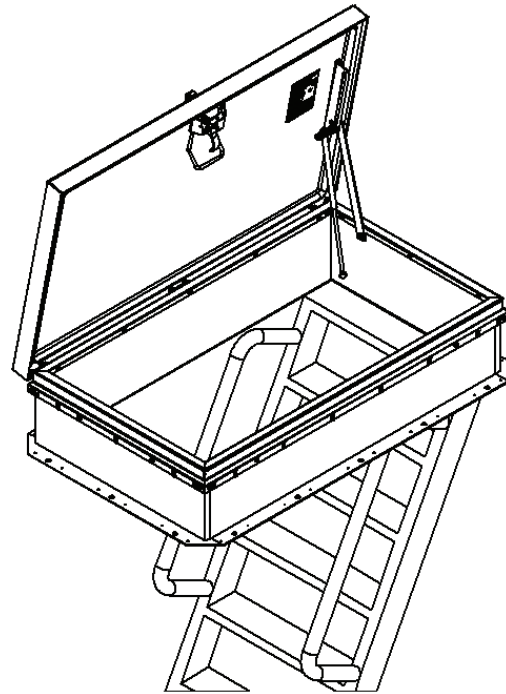12 4813 + 12 4816

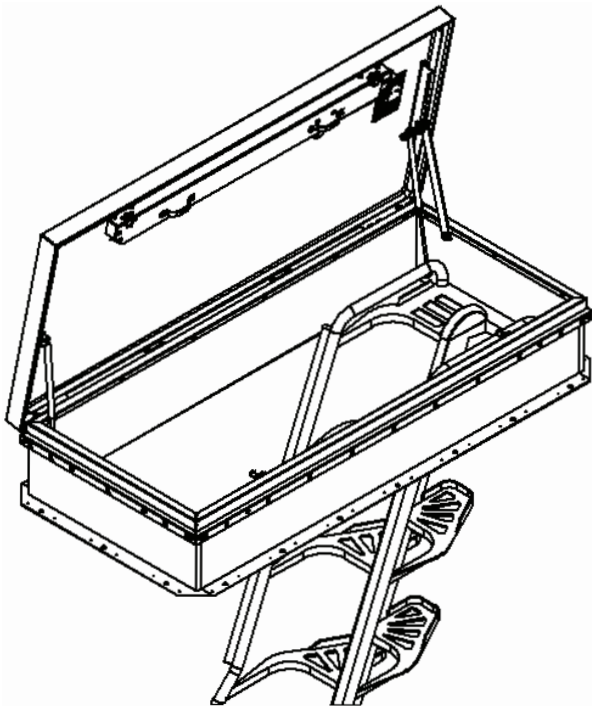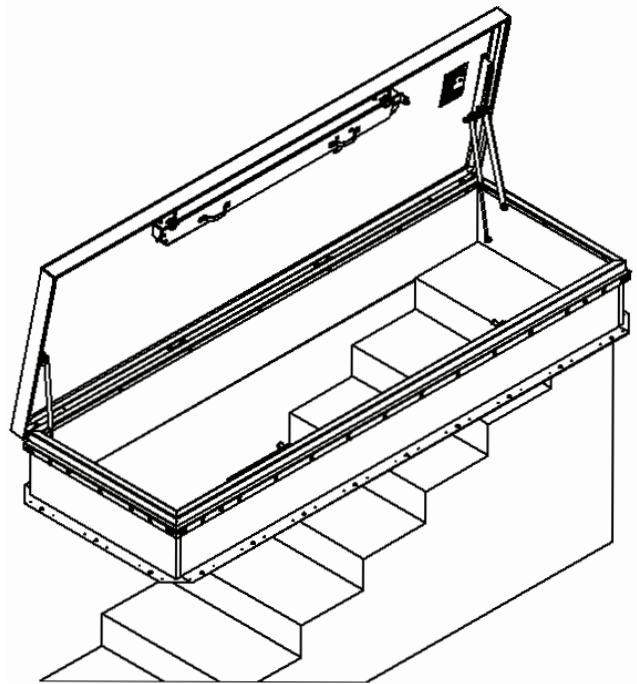**DIV 12**

Rooftop Products

Access

Ladder

Ship Stair

Alternating Tread Stair

Service Stair

ThermalMAX™

ROOF HATCH

The ThermalMAX Roof Hatch sets the new standard for thermally efficient roof hatches. Designed with a thermal break to keep cool-cool and hot-hot, this hatch boasts an R-20 insulation rating making it today's most energy efficient hatch.

FEATURES

THERMALLY BROKEN Designed with a thermal break to stop the transfer of heat and cold.

IECC COMPLIANCE Code C402 for commercial building envelopes requires ≥R-5 in skylight curbs, a gasket weather seal to minimize air leakage and a solar reflectance index ≥82 in climate zones 1, 2, 3.

ENHANCED INSULATION Three inch foil faced polyiso insulation provides a thermally efficient design to help maintain building envelope integrity; R-20.

DETAILS

MATERIAL 11 gauge Aluminum

FINISH Mill or powder coat

COVER Formed metal cover withstands a live load of 40psf with a max deflection of 1/150 the span

CURB Single wall curb with railing ready EZ tab counterflash and mounting flange

INSULATION 3 inch single layer foil faced polyiso in curb and cover; R-20.3

GASKET Extruded EPDM adhesive backed acoustic gasket seal, continuous around curb and cover to ensure a continuous seal

SPRING Gas spring with integrated damper for smooth, controlled lift assistance

HINGE Heavy-duty pintle hinge with stainless steel hinge pin

HOLD OPEN ARM Zinc-plated steel automatic hold open arm with red grip handle locks cover in open position

LATCH Zinc plated steel spring-type slam latch with inside and outside operating turn handles and padlock hasp provisions; 20psf wind uplift

PULL HANDLE Interior safety pull down handle, yellow powder coat, units larger than 60" utilize a two-point latch with handles

FINISHES

Mill Aluminum

STANDARD MODELS

ALUMINUM	SIZE (IN.)	DOOR	CURB	ACCESS
RHTA36X30S1T	36 x 30	Single	Single Wall	Ladder
RHTA36X36S1T	36 x 36	Single	Single Wall	Ladder
RHTA48X48S1T	48 x 48	Single	Single Wall	Ladder
RHTA30X54S1T	30 x 54	Single	Single Wall	Ship Stair or Alternating Tread
RHTA30X96S1T	30 x 96	Single	Single Wall	Service Stair

Additional sizes and options available, call for more information.
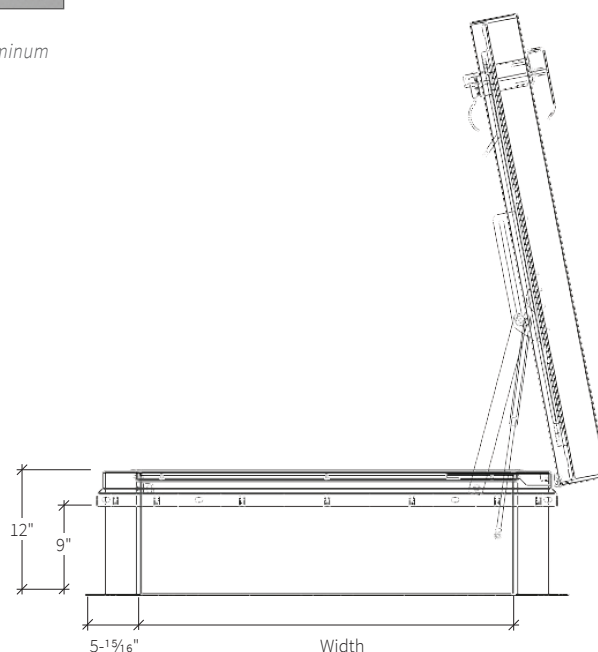
Personnel™

SINGLE POINT LATCH ROOF HATCH

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

FEATURES

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

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

SUPERIOR POWDER-COAT FINISH The standard powder-coat finish provides outstanding corrosion resistance, superior gloss and color retention.
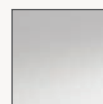
GAS SPRING OPERATION Designed for a smooth one-handed operation that compiles with OSHA safety standards, this roof hatch is easy to open and close.

FINISHES

| Mill Aluminum | 2B Matte Stainless Steel | ANSI 70 Gray Powder Coat | High Reflectance White Powder Coat |

DETAILS

MATERIAL
• 11 gauge Aluminum, mill finish
• Steel 14 gauge galvanneal, gray powder coat
• Stainless steel not Miami-Dade or Florida approved

COVER Formed metal cover with liner, stiffened to withstand a live load of 40psf with a max deflection of $\frac{1}{150}$ the span

CURB Single wall curb with EZ tab counterflash and mounting flange

INSULATION 1 inch polyiso R-6 in curb, 1 inch polystyrene in cover

GASKET Extruded EPDM adhesive-backed gasket seal continuous around cover

HOLD-OPEN ARM Zinc-plated steel automatic hold open arm locks cover in open position

CERTIFICATION Miami-Dade County & Florida Product Approved

SINGLE POINT LATCH

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

SPRING Gas-spring with damper for smooth, controlled lift assistance

HINGE Heavy-duty pintle hinge with stainless steel hinge pin

PULL HANDLE Interior safety pull down handle, yellow powder coat

STANDARD MODELS

GRAY STEEL	WHITE STEEL	ALUMINUM	SIZE (IN.)	ACCESS	LATCH
G3054	W3054	A3054	30 x 54	Ship Stair	Single Point
G3630	W3630	A3630	36 x 30	Ladder	Single Point
G3636	W3636	A3636	36 x 36	Ladder	Single Point
G4848	W4848	A4848	48 x 48	Ladder	Single Point

Additional sizes and options available, call for more information.

Personnel™

2-POINT LATCH ROOF HATCH

FINISHES

Mill Aluminum

2B Matte Stainless Steel

ANSI 70 Gray Powder Coat

High Reflectance White Powder Coat

2 POINT LATCH

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

STANDARD MODELS

GRAY STEEL	WHITE STEEL	ALUMINUM	SIZE (IN.)	ACCESS	LATCH
G3072	**W3072**	**A3072**	30 x 72	Ship Stair	2-Point
G3096	**W3096**	**A3096**	30 x 96	Service Stair	2-Point
G3696	**W3696**	**A3696**	*36 x 96	Service Stair	2-Point

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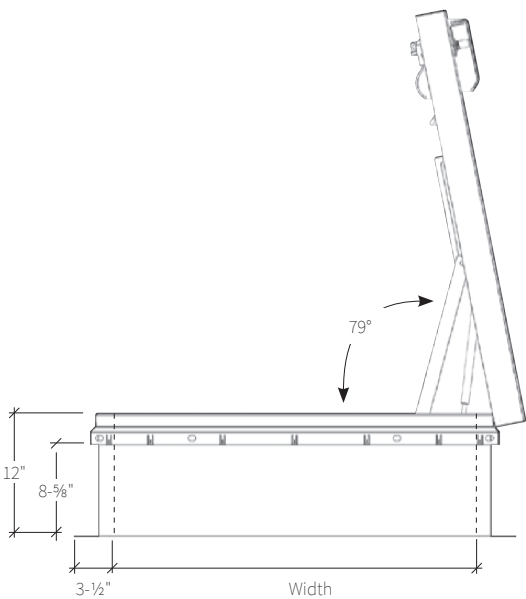
Security

ROOF HATCH

Designed for applications with heightened security, our Security Roof Hatch is constructed of heavy-duty materials and the option for security grade locks. Ideal for prisons, banks, water treatment facilities and other high security buildings.

FEATURES

SECURITY GRADE MATERIAL Deter forced entry with extra heavy-duty top security grade roof hatches. Constructed of $\frac{3}{16}$ inch steel or $\frac{1}{4}$ inch aluminum.

OPTIONAL LOCKS Add essential security upgrades to your rooftop access with detention or mortise locks.

OPTIONAL VIEWPORT Gain visibility with the optional bulletproof viewport on roof hatch cover. Ideal for use in prisons and wastewater treatment facilities.

DETAILS

MATERIAL
- Aluminum: $\frac{1}{4}$ inch, mill finish
- Steel: $\frac{3}{16}$ inch, gray powder coat

COVER Formed metal cover with liner, stiffened to withstand a live load of 40psf with a max deflection of $\frac{1}{150}$ the span

CURB Single wall curb with EZ tab counterflash and mounting flange

INSULATION 1 inch polystyrene in cover, 1 inch polyiso around curb

GASKET Extruded EPDM adhesive backed gasket seal, continuous around cover

SPRING Gas-spring with damper for smooth, controlled lift assistance

HINGE Stainless steel tamper-proof

HOLD OPEN ARM Zinc-plated steel automatic hold open arm with red grip handle locks cover in open position

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

FINISHES

Mill Aluminum

ANSI 70 Gray Powder Coat
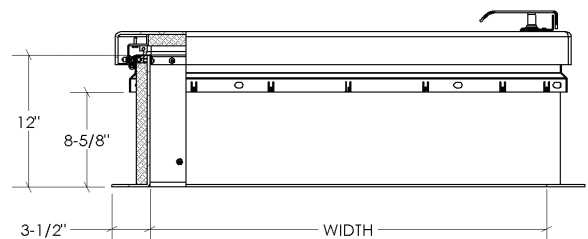
STANDARD MODELS

GRAY STEEL	ALUMINUM	STEEL + ALUMINUM	SIZE (IN.)	ACCESS	DOOR	CURB
RHSG36X30S1T	RHSA36X30S1T	RHSB36X30S1T	36 x 30	Ladder	Single	Single Wall
RHSG36X36S1T	RHSA36X36S1T	RHSB36X36S1T	36 x 36	Ladder	Single	Single Wall
RHSG30X54S1T	RHSA30X54S1T	RHSB30X54S1T	30 x 54	Ship Stair	Single	Single Wall

Additional sizes and options available, call for more information.

SunLit™
ROOF HATCH

Providing natural daylighting, the SunLit Roof Hatch is engineered with a translucent dome cover that is ideal for use in commercial buildings, retail, schools and more.

FEATURES

POLYCARBONATE DOME Add the traditional look of a domed skylight with ⅛ inch thick UV coated polycarbonate available in clear, white or bronze colors.

OPTIONAL DOUBLE DOME Increase impact and thermal resistance with double glazed polycarbonate domes.

OPTIONAL INSULATION Add additional thermal performance with fully insulated curbs including 2 inch polyiso insulation; specify – IRD.

DETAILS

COVER Formed aluminum, 11 gauge, mill finish, metal cover with ⅛ inch clear polycarbonate, UV coated dome

CURB Single wall curb with EZ tab counterflash and mounting flange
• Aluminum: 11 gauge, mill finish
• Steel: 14 gauge galvanneal, gray powder coat

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

GASKET Extruded EPDM adhesive backed gasket seal continuous around cover

SPRING Gas-spring with damper for smooth, controlled lift assistance

HINGE Zinc-plated steel tamper-proof

HOLD OPEN ARM Zinc plated steel automatic hold open arm with red vinyl grip handle locks cover in open position

LATCH Zinc plated steel latch:
• 20psf wind uplift for lengths ≤60 inch with palm latch
• 90psf wind uplift for lengths >60 inches with 2-point rotary latch

FINISHES

Mill Aluminum

ANSI 70 Gray Powder Coat
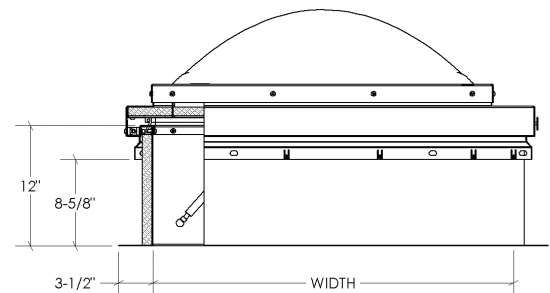
STANDARD MODELS

ALUMINUM	STEEL + ALUMINUM	SIZE (IN.)	ACCESS	DOOR	CURB
RHLA36X30S1P	RHLB36X30S1P	36 x 30	Ladder	Single	Single Wall
RHLA36X36S1P	RHLB36X36S1P	36 x 36	Ladder	Single	Single Wall

Additional sizes and options available, call for more information.

Equipment
ROOF HATCH

The Equipment Roof Hatch is engineered to accommodate extra large equipment access through roofs. Curb mounting and varied curb heights to meet your needs.

FEATURES

LARGEST CLEAR OPENING Industry's largest clear opening allows equipment to be installed and serviced through the roof of your building.

STAINLESS STEEL MATERIAL Upgrade to corrosion resistant 304 stainless steel for corrosive environments such as waste water treatment facilities and coastal areas.

DETAILS

MATERIAL
- Aluminum: 11 gauge, mill finish
- Steel: 14 gauge galvanneal, gray powder coat
- Stainless Steel: Type 304 14 gauge, 2B matte finish

COVER Formed metal cover withstands a live load of 40psf with a max deflection of $\frac{1}{150}$ the span

CURB Single wall curb with EZ tab counterflash and mounting flange

INSULATION 1 inch polystyrene in cover, 1 inch polyiso around curb

GASKET Extruded EPDM adhesive backed gasket seal continuous around cover

SPRING Gas-spring with damper for smooth, controlled lift assistance

HINGE Zinc-plated steel tamper-proof

HOLD OPEN ARM Zinc-plated steel automatic hold open arm with red vinyl grip handle locks cover in open position

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

FINISHES

Mill

ANSI 70 Gray Powder Coat

2B Matte Stainless Steel

85-90°

12"

8-5/8"

3-1/2"

WIDTH
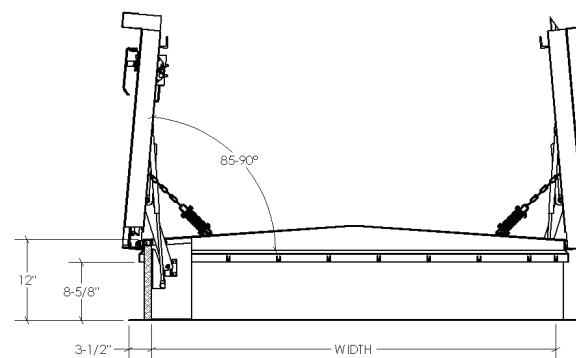
STANDARD MODELS

GRAY STEEL	ALUMINUM	STAINLESS STEEL	SIZE (IN.)	DOOR	CURB
RHEG48X48S1T	RHEA48X48S1T	RHES48X48S1T	48 x 48	Single	Single Wall
RHEG60X60D1T	RHEA60X60D1T	RHES60X60D1T	60 x 60	Double	Single Wall
RHEG72X72D1T	RHEA72X72D1T	RHES72X72D1T	72 x 72	Double	Single Wall
RHEG60X120D1T	RHEA60X120D1T	RHES60X120D1T	60 x 120	Double	Single Wall

Additional sizes and options available, call for more information.

nystrom®

Safety Railing
ROOF HATCH FALL PROTECTION

The OSHA compliant Safety Railing is ideal for new and retrofit applications. The safety railing mounts to the existing roof hatch curb counterflash without penetrating the membrane or curb.

FEATURES

EASY FIELD INSTALLATION No field cutting required as rails are cut to exact size. Easy assembly fittings and quick mounting on counterflash using a patented nut backing plate.

SELF CLOSING GATE (shown) Designed to automatically close, the gate is constructed with spring loaded hinges to protect against falls.

OPTIONAL CHAIN CLOSURE Comes with standard chain barrier with easy spring clip attachment to guard against falls. (Not OSHA compliant)

Safety Yellow Powder Coat option shown

DETAILS

MATERIAL Rails and posts, aluminum, 1-¼ inch ID (1.66 inch OD) Schedule 40 pipe

FINISH Powder Coat, Safety Yellow or Mill

FITTINGS Cast aluminum alloy with set screw hold

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

HARDWARE Hex head bolts ⅜ - 16 by ¾ inch zinc-plated steel

EXIT Must be kept closed when roof hatch door is open
- Self-Closing Gate: Aluminum, 1-¼ inch ID (1.66 inch OD) Schedule 40 pipe, self-closing with coil spring

COMPLIANCE OSHA 29 CFR 1910.29, 1910.28

42 inch Installed Height

Inside Curb Width
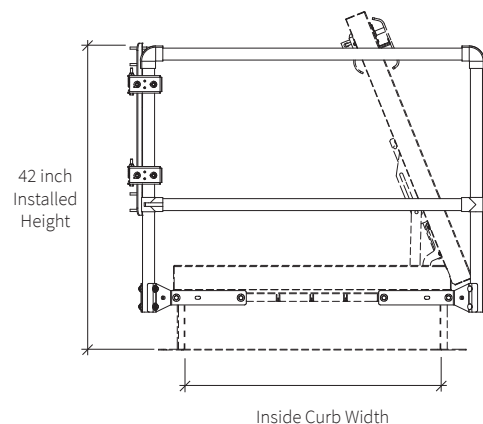
STANDARD MODELS

GATE CLOSURE

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

Additional sizes available, call for more information.

THERMALMAX™ MODELS

GATE CLOSURE

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

Ladder Safety Post

ROOF HATCH FALL PROTECTION

The Safety Post is designed to extend 42 inches above a landing platform to aid safe ladder access through a roof hatch. The spring assisted telescoping design mounts to the top two rungs of a fixed vertical ladder.

DETAILS

MATERIAL 1-½ inch by 1-½ inch by ⅛ inch high strength square tubing with a pull-up loop provided at the upper end to facilitate raising of post.
- Steel: yellow powder coat paint or hot dip galvanized
- Stainless Steel: Type 304, mill
- Aluminum: Mill

BALANCING SPRING Stainless steel constant force spring

HARDWARE Type 316 stainless steel

STANDARD MODELS

MODEL	MATERIAL	FINISH
SPY	Steel	Powder Coat, Yellow
SPG	Steel	Hot Dip Galvanized
SPA	Aluminum	Mill
SPS	Stainless Steel	Mill

Safety Grab Bar

ROOF HATCH FALL PROTECTION

The Safety Grab Bar is engineered to provide safe access through roof hatches. The grab bar mounts to a corner section through the curb counterflashing.

DETAILS

MATERIAL Rails and posts, aluminum, 1-¼ inch ID (1.66 inch OD) Schedule 40 pipe

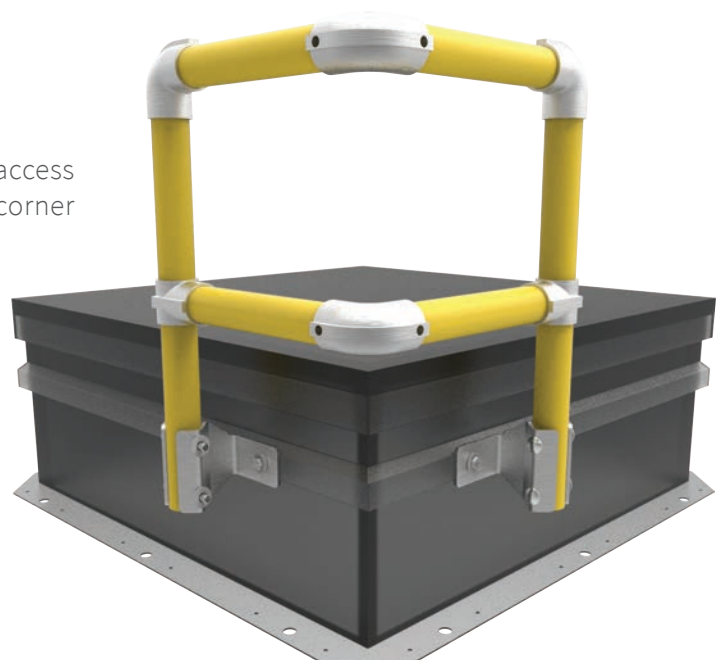**FITTINGS** Cast aluminum alloy with set screw hold

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

HARDWARE Hex head bolts ⅜ inch - 16 by ¾ inch zinc-plated steel

STANDARD MODELS

MODEL	MATERIAL	FINISH
SGBAY	Aluminum	Powder Coat, Safety Yellow
SGBA	Aluminum	Mill

Safety Yellow Powder Coat option shown

SmokeEscape™ *(Single Door)*

SMOKE VENT

The Single Door Smoke Escape™ Smoke Vent, engineered with a metal cover, is ideal for factory, storage and warehouse occupancies, and hoistways. The single door smoke vent offers the largest effective vent area.

FEATURES

GREATER EFFECTIVE VENT AREA Reduce the number of smoke vents required on the roof with the industry's largest 48 x 96 single door smoke vent.

OPTIONAL LOUVERED CURB Add additional ventilation with louvered curbs. Ideal for use in elevator shafts and hoistways.

DETAILS

MATERIAL
- Aluminum: 11 gauge, mill finish
- Steel: 14 gauge galvanneal, gray powder coat

COVER Formed metal cover with liner, internally stiffened to withstand a live load of 40psf

CURB Single wall curb with EZ tab counterflash and mounting flange

INSULATION 1 inch Polyiso R-6 in cover and around curb

GASKET Extruded EPDM adhesive backed gasket seal, continuous around cover
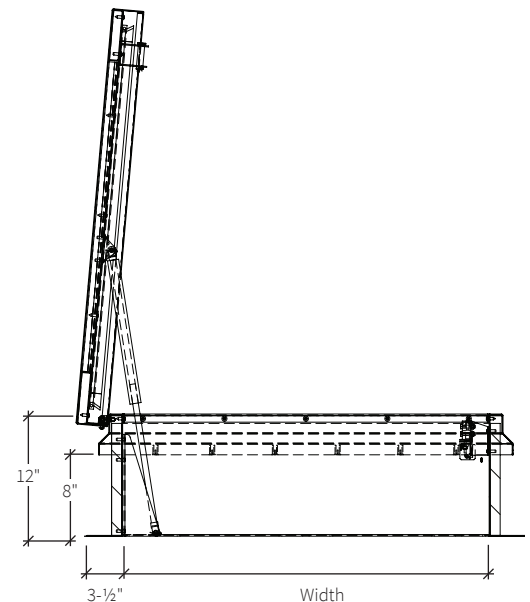
HINGE Heavy-duty pintle hinge with stainless steel hinge pins

SPRING Gas spring with damper opens cover against 10psf snow load

HOLD OPEN ARM Zinc-plated steel automatic hold open arm locks cover in open position

LATCH Zinc-plated steel rotary latch designed to hold covers closed against 30psf wind uplift. Opens manually by external and internal pull cables. Opens automatically with a fusible link at standard temperature 165°F

CERTIFICATIONS UL 793 Listed, FM 4430 Approved 360° fuseable link

ORDER GUIDE

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

SmokEscape™ *(Double + Quad Door)*

SMOKE VENT

The standard Double and Quad Door SmokEscape™ Smoke Vent, engineered with metal covers, is ideal for factory, storage and warehouse occupancies.

FEATURES

SECURE CLOSURE The reliable rotary latch has been third party independently tested to hold smoke vent covers closed against a 135psf wind uplift.

OPTIONAL 2 INCH INSULATION Optimize energy efficiency and upgrade thermal insulation to R-12 with 2 inch of Polyiso in the cover and curb while maintaining UL Listing.

DETAILS

MATERIAL
- Aluminum: 11 gauge, mill finish
- Steel: 14 gauge galvanneal, gray powder coat

COVER Formed metal cover with liner, internally stiffened to withstand a live load of 40psf

CURB Single wall curb with EZ tab counterflash and mounting flange

INSULATION 1 inch Polyiso R-6 in cover and around curb

GASKET Extruded EPDM adhesive backed gasket seal, continuous around cover
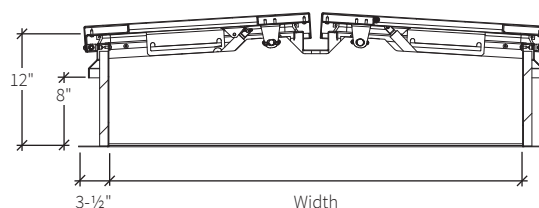
HINGE Heavy-duty pintle hinge with stainless steel hinge pins

SPRING Gas spring with damper opens cover against 10psf snow load

HOLD OPEN ARM Zinc-plated steel automatic hold open arm locks cover in open position

LATCH Zinc-plated steel rotary latch designed to hold covers closed against 90psf wind uplift. Opens manually by external and internal pull cables. Opens automatically with a fusible link at standard temperature 165°F.

CERTIFICATIONS UL 793 Listed, FM 4430 Approved for 360° fuseable link

ORDER GUIDE

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

SunLit™ *(Single Door)*
SMOKE VENT

Providing natural daylighting, the Single Door SunLit™ Smoke Vent is engineered with a translucent cover. This smoke vent includes a clear or color tinted multiwall panel or optional domes that are ideal for use in factory, storage and warehouse commercial buildings.

FEATURES

MULTIWALL LIGHT TRANSMISSION Add optional color panels (pg. 25) to change natural daylighting characteristics.

OPTIONAL DOME Add the traditional look of a domed skylight with ⅛ inch thick UV coated polycarbonate available in clear, white or bronze colors.

c UL us
LISTED

DETAILS

COVER Extruded aluminum frame, 11 gauge, mill finish, with ⅝ inch 3 layer structural multiwall R-3 in white polycarbonate. Cover withstands a live load of 40psf.

CURB Single wall curb with EZ tab counterflash and mounting flange
- Aluminum: 11 gauge, mill finish
- Steel: 14 gauge galvanneal, gray powder coat

INSULATION 1 inch Polyiso R-6 around curb perimeter

GASKET Extruded EPDM adhesive backed gasket seal, continuous around cover
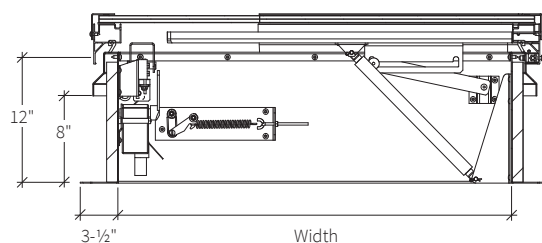
HINGE Heavy-duty pintle hinge with stainless steel hinge pin

SPRING Gas spring damper opens cover against 10psf snow load

HOLD OPEN ARM Zinc-plated steel automatic hold open arm locks cover in open position

LATCH Zinc-plated steel rotary latch designed to hold covers closed against 30psf wind uplift. Opens manually by external and internal pull cables.

CERTIFICATIONS UL 793 Listed

12"
8"
3-½"
Width

ORDER GUIDE

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

SunLit™ *(Double + Quad Door)*

SMOKE VENT

The Double and Quad Door SunLit™ Smoke Vent is engineered with translucent covers using polycarbonate for the added sustainability benefit of natural daylighting. With options like color panels, and electrical operation, Nystrom is sure to meet your building sustainability and fire and life safety needs.

FEATURES

MULTIWALL LIGHT TRANSMISSION Add optional color panels (pg. 25) to change natural daylighting characteristics.

OPTIONAL DOME Add the traditional look of a domed skylight with ⅛ inch thick UV coated polycarbonate available in clear, white or bronze colors.

DETAILS

COVER Extruded aluminum frame, 11 gauge, mill finish, with ⅝ inch 3 layer structural multiwall R-3 in white polycarbonate. Cover withstands a live load of 40psf.

CURB Single wall curb with EZ tab counterflash and mounting flange
- Aluminum: 11 gauge, mill finish
- Steel: 14 gauge galvanneal, gray powder coat

INSULATION 1 inch Polyiso R-6 around curb perimeter

GASKET Extruded EPDM adhesive backed gasket seal, continuous around cover
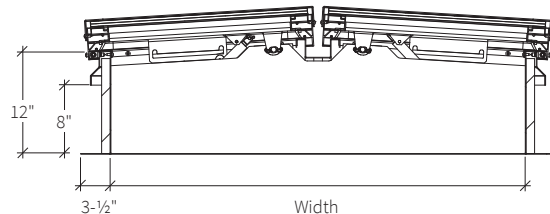
HINGE Heavy-duty pintle hinge with stainless steel hinge pin

SPRING Gas spring damper opens cover against 10psf snow load

HOLD OPEN ARM Zinc-plated steel automatic hold open arm locks cover in open position

LATCH Zinc-plated steel rotary latch designed to hold covers closed against 90psf wind uplift. Opens manually by external and internal pull cables.

CERTIFICATIONS UL 793 Listed

ORDER GUIDE

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

AcousticMAX™

SMOKE VENT

Block the intrusion of exterior environmental noise while providing safety and security with the industry's best automatic Acoustical Smoke Vent. Perfect for theaters and performing arts centers; every detail is designed with precision.

FEATURES

SUPERIOR SOUND CONTROL Industry's best sound ratings designed to keep out unwanted noises ensuring acoustical integrity when all you want to hear is the performance

PREFINISHED BLACK INTERIOR Eliminate field painting hassle with the prefinished interior that seamlessly integrates into the ceiling

SVZ STC 50 OITC 47   **SVY STC 50 OITC 39**   **FM APPROVED**   **c UL us LISTED**

DETAILS

SOUND RATING(S) Independent third party tested to ASTM E90 and ASTM E1332
- SVZ: STC 50 - OITC 47
- ISO 140-18 Rainfall 36.7 dB
- SVY: STC 50 - OITC 39

MATERIAL
- SVZ 12 gauge galvanneal steel; powder coat
- SVY 14 gauge galvanneal steel; powder coat

FINISH Gray exterior cover with black interior liner and black curb

COVER Metal with liner, withstands a live load of 40psf with a max deflection of $\frac{1}{150}$ the span

CURB Double wall curb with EZ tab counterflash and mounting flange

INSULATION Mineral wool and sound mat in cover and curb
- SVZ: Total R-16.8
- SVY: Total R-12.6

GASKET Extruded EPDM adhesive backed gasket seals

**HINGE** Stainless steel heavy duty pintle hinge

SPRING Gas spring with damper opens cover against 10psf snow load

HOLD OPEN ARM Zinc-plated steel automatic hold open arm locks cover in open position

LATCH Zinc-plated steel rotary latch designed to hold covers closed against 90psf wind uplift

OPERATION Opens automatically with a fusible link and manual pull handles

CERTIFICATIONS UL 793 Listed, FM 4430 Approved for 360° fuseable link, and IBC1207 Compliant
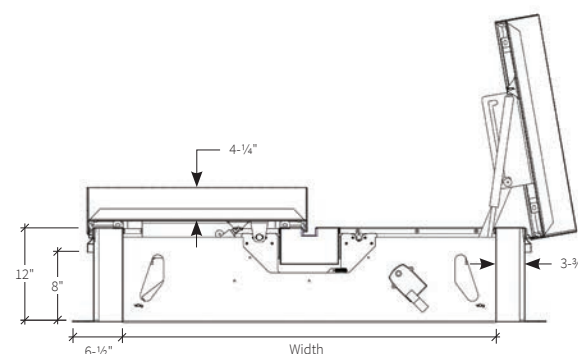
ORDER GUIDE

| BASE	RATING	MATERIAL	WIDTH	X	LENGTH	DOOR	CURB	OPENING	LINK TEMP (°F)		CLOSING	—	OPTIONS
SV		**G**		**X**								**—**	
	Z STC 50 - OITC 47	**G** Galvanneal Steel	Standard Sizes (W x L)			**D** Double Door	**2** Double Wall	**N** No Electrical	165	350	**R** Rooftop Close		**SFM** FM Labeled
			48" x 48" 48" x 72" 48" x 96"			**Q** Quad Door	**3** Curb Mount	**L** 24VDC/24VAC	212	360	**W** Manual Winch		**OP1** Door Position Sensor
	Y STC 50 - OITC 39		60" x 60" 60" x 96" 60" x 120"					**H** 110VAC / 240VAC	280	450	**L** Linear Actuator*		**B__** Burglar Bars
			72" x 72" 72" x 96"					**A** Linear Actuator*					
			Additional size options also available.								*Voids UL*		

Safety Railing
SMOKE VENT FALL PROTECTION

The OSHA compliant Safety Railing is ideal for new and retrofit applications. The safety railing mounts to the existing smoke vent curb counterflash without penetrating the membrane or curb.

FEATURES

FALL PROTECTION In accordance with OSHA regulations, the safety railing is engineered to guard smoke vent openings to protect against falls.

EASY FIELD INSTALLATION No field cutting required as rails cut to exact size. Easy assembly fittings and quick mounting on counterflash through curb.
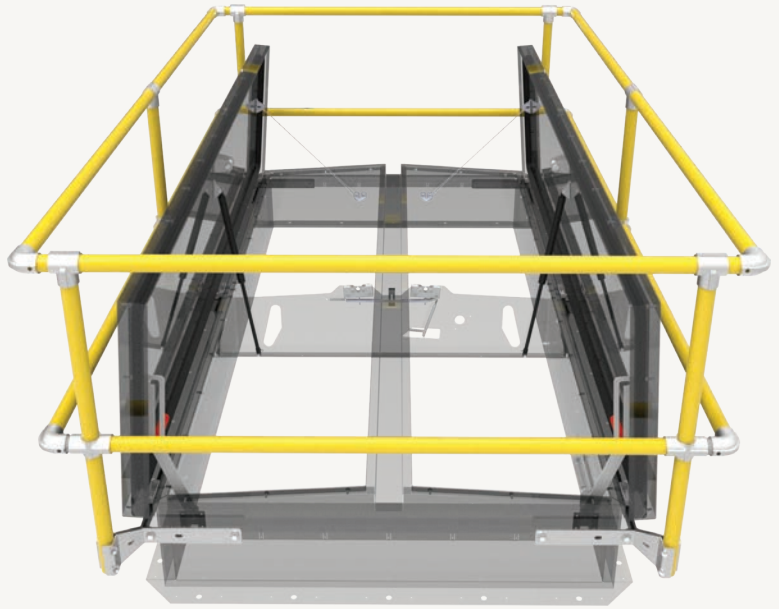
Safety Yellow Option Shown

DETAILS

MATERIAL Rails and posts, aluminum, 1-¼ inch ID (1.66 inch) Schedule 40 pipe

FINISH Powder Coat, Safety Yellow or Mill

FITTINGS Cast aluminum alloy with set screw hold

MOUNTING BRACKETS ³⁄₁₆ inch steel, zinc plated with nut backing plate

HARDWARE Hex head bolts ⅜ inch - 16 x ¾ inch zinc-plated steel

COMPLIANCE OSHA 29 CFR 1910.28 and 1910.29

42 inch Installed Height

Inside Curb Width
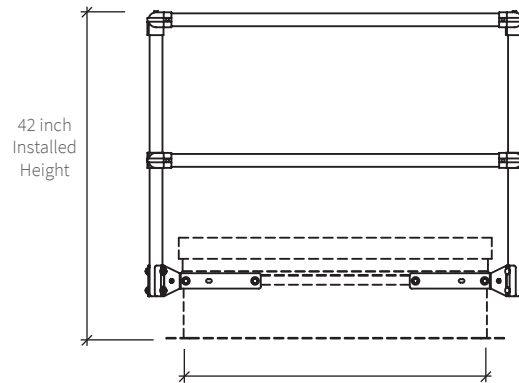
ORDER GUIDE

4-SIDED

MODEL	SIZE (IN.)
SRVAY36X30NN	36 x 30
SRVAY36X36NN	36 x 36
SRVAY48X48NN	48 x48
SRVAY48X96NN	48 x 96
SRVAY60X96NN	60 x 96
SRVAY60X120NN	60 x 120
SRVAY60X144NN	60 x 144
SRVAY72X144NN	72 x 144

2-SIDED

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

Burglar Bars
SMOKE VENT FALL PROTECTION

Burglar Bars, a smoke vent accessory, are designed for security and safety and to prevent unauthorized entry. Engineered for each smoke vent, these bars are available on new installations as a factory installed option.
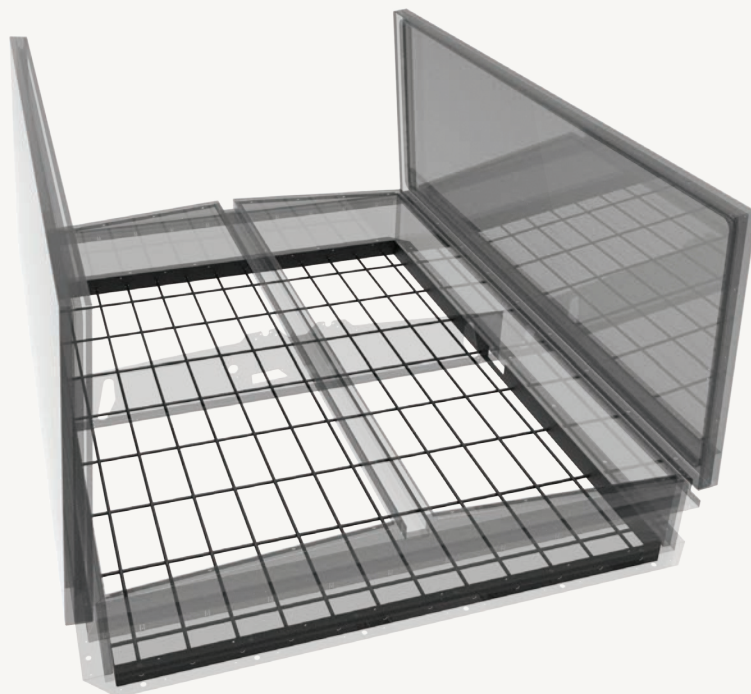
DETAILS

MATERIAL Steel, ½ inch or ¾ inch diameter

SPACING 6 inch by 6 inch, 6 inch by 12 inch or custom

ORDER GUIDE

MODEL	DIAMETER	SPACING
1A	½"	6" x 12"
1B	½"	6" x 6"
2A	¾"	6" x 12"
2B	¾"	6" x 6"

Screen
SMOKE VENT FALL PROTECTION

The Fall Protection Screen, a smoke vent safety product, is designed to aid in fall protection. This sturdy screen, spaced 4 inch apart with fully welded intersections is available on new installations as a factory install option on each smoke vent. Third party tested with a drop test of 400 pounds of 30 inch diameter sandbag from 42 inches.

DETAILS

MATERIAL Steel, 0.163 inch diameter

SPACING 4 inch by 4 inch

COMPLIANCE OSHA 1926.502c and 1910.28

ORDER GUIDE

MODEL	DIAMETER	SPACING
3C	0.163"	4" x 4"
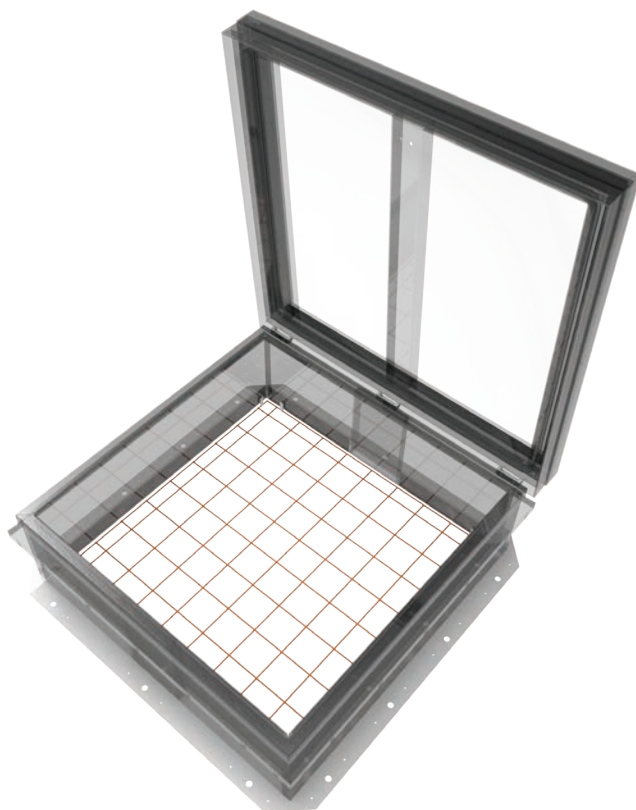
Weighted Base
GUARDRAIL FALL PROTECTION

The OSHA compliant portable railing system is designed to keep people safe while working on rooftops and other structures. No need for tie-off points and expensive safety equipment.

FEATURES

PORTABLE BASE The weighted base is designed to be portable and installed where permanent mounting is not an option

EASY INSTALLATION The posts and rails are easy to assemble and install.

COORDINATING COLORS The system comes with a standard powder coat finish that is available in a wide range of colors to match your building's exterior.

DETAILS

MATERIALS
• Weighted Base and Post Assembly: Steel, 1-¼ inch ID (1.66 inch OD) Schedule 40 pipe
• Horizontal and Corner Rails: 1-⅝ inch by .065 inch Steel

FINISH Powder Coat

RAIL FASTENERS ⅜ inch - 16 by 1 inch zinc-plated steel

COMPLIANCE OSHA 29 CFR 1910.28 and 1910.29

MODELS

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

Note: Rails and corners are sold in sets of 2. Rails include 2 rails, 1 post and weighted base. When ordering, please be sure to include 1 additional weighted base.

Fixed Rail

Adjustable Rail

Adjustable Corner

21"

42"

46"

26.875"
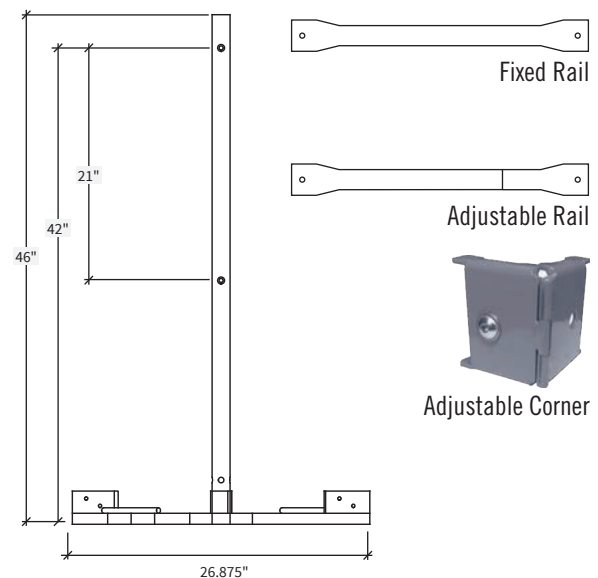
Perimeter

GUARDRAIL FALL PROTECTION

The OSHA compliant Permanent Guardrail system's unique bracket installs under the drip edge, coping cap, gravel stop or gutter system without penetrating the roofing system and allows for retro fit installations.

FEATURES

PERMANENT MOUNT The edge mounted guardrail system does not penetrate the roof membrane and installs under the coping and roof flashing.

EASY INSTALLATION The posts and rails are easy to assemble and install.

COORDINATING COLORS The system comes with a standard powder coat finish that is available in a wide range of colors to match your building's exterior.

DETAILS

MATERIALS
• Post and Bracket Assembly: Steel, 1-¼ inch ID (1.66 inch OD) Schedule 40 pipe
• Horizontal and Corner Rails: 1-⅝ inch by .065 inch Steel

FINISH Powder Coat

STRUCTURAL FASTENERS
• Wood: RSS structural screws
• Concrete: Caliburn PH concrete pan head screw

RAIL FASTENERS ⅜ inch - 16 x 1 inch zinc-plated steel

COMPLIANCE OSHA 29 CFR 1910.28 and 1910.29

STANDARD MODELS

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

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

Fixed Rail

Adjustable Rail

Corner Rail

Post
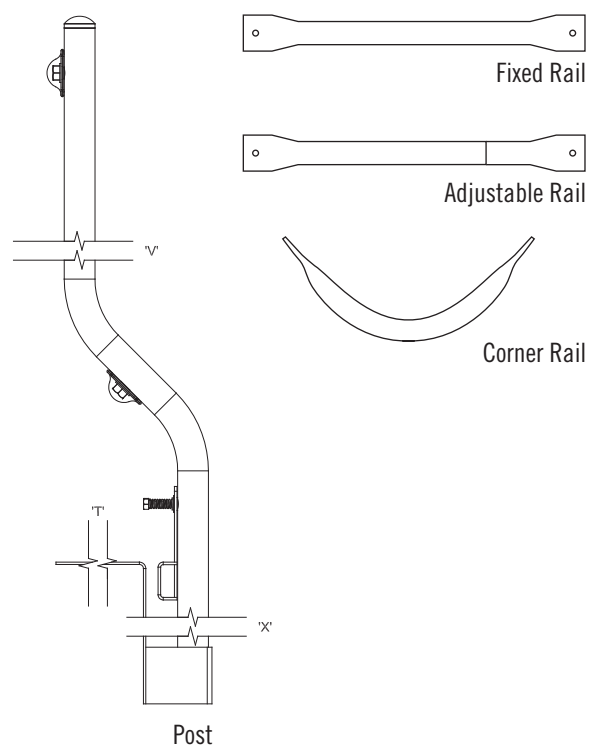
Exterior
ACCESS DOOR

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

FEATURES

COMPATIBLE WITH BUILDING KEY With the mortise lock prep option, you can match the mortise cylinder to that of your building's other access points.

TEMPERATURE CONTROL With 1.6 inch polyurethane insulation, the Exterior Door is constructed to protect your building from the harshest climates.

AIR + WATER PENETRATION TEST Independent lab testing for air leakage per ASTM E 283 and water leakage per ASTM E 331-00 assures the best protection against the elements.

DETAILS

DOOR 24 gauge Steel

FRAME 0.080 inch 6063-T5 Extruded Aluminum

SIZE
- Min: 12 inches by 12 inches
- Max: 48 inches by 60 inches

INSTALLATION Ceiling or Wall

FLANGE Exposed or Plaster/Stucco Bead

HINGE Stainless Steel Continuous Piano

FINISH
- Door: Paint Grip Finish
- Frame: Mill

INSULATION 1.6 inch Polyurethane; R-11

GASKETING EPDM Self-Adhesive, Continuous

FLANGES

1 inch Flange
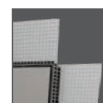
Plaster/Stucco Bead

LATCHES

Non-Locking Handle

Screwdriver Cam Latch

Locking Handle

Mortise Lock Prep

ORDER GUIDE

BASE	FLANGE	LATCH	WIDTH	X	LENGTH	OPTIONS
X				X		
	T 1 inch Flange	**A** Non-Locking Handle	Standard Sizes (W x L)			**A** Aluminum Door
	P Plaster/Stucco bead	**C** Screwdriver Cam Latch	12" x 12" 20" x 30" 24" x 36"			**C** Drip Cap
		L Locking Handle	16" x 16" 24" x 24" 36" x 36"			**P** Padlock Hasp
			18" x 18" 24" x 30"			
		M Mortise Lock (1-⅛") Prep				**S** Type 304 Stainless Steel

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

Coastal Zone
EXTERIOR ACCESS DOOR

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

FEATURES

IMPACT, AIR + WIND PRESSURE TESTED Independent lab tested to TAS 201, 202 and 203 assures the best protection against the harshest elements.

TEMPERATURE CONTROL With 1.6 inches of closed cell polyurethane insulation, the Coastal Zone Exterior Door delivers a R-11 thermal value.

CUSTOM SIZES Available in ¼ inch increments from 18 inches by 18 inches to 36 inches by 48 inches maximum.

COMPLIANCE Florida Product Approval FL38739.

FL Approved
FL21058-R1

DETAILS

DOOR 24 gauge Steel

FRAME 0.080 inch 6063-T5 Extruded Aluminum

SIZE
- Min: 18 inches by 18 inches
- Max: 36 inches by 48 inches

INSTALLATION Wall

FLANGE Exposed

HINGE Stainless Steel Continuous Piano

FINISH
- Door: Paint Grip Finish
- Frame: Mill

INSULATION 1.6 inch Polyurethane; R-11

GASKETING EPDM Self-Adhesive, Continuous

COMPLIANCE Florida Product Approval FL38739

FLANGES

1 inch Flange

LATCHES

Locking Handle   *Non-Locking Handle*

ORDER GUIDE

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

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

Locks (Roof Hatch)

Detention Lock
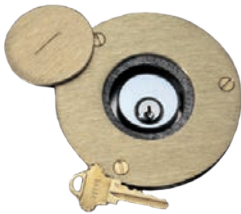
Mortise Operated Deadbolt

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

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

Operations (Smoke Vent)

OPENING

Fusible Link

Electrical
H - 110/120
L - 24

Pull Handle
(External & Internal)

CLOSING

Rooftop Close
R

Manual Winch
W

Linear Actuator
L

SECURITY

Door Position
Sensor OP1
Note: Also available on Roof Hatches

Curbs
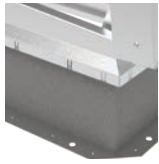
Single Wall
1

Double Wall
2
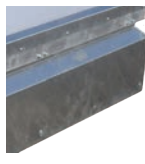
Curb Mount
3

No Counterflash
4
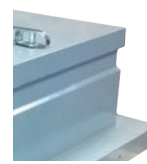
Apron Mount
5

1-½" Curb Mount
6

CURB HEIGHT
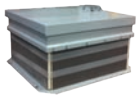
PITCH CORRECTION

INSULATION

VENTILATION

6 inch - 48 inch
H6 - H48

Match Roof Pitch
P__
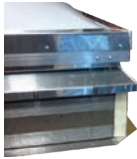
2 inch Polyiso
IRR

Louvered Curb
V33

Domes (Roof Hatch + Smoke Vent)
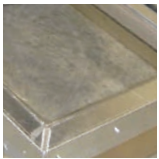
Clear
(Standard)

White
LPW

Bronze
LPZ

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

Note: Clear single glazing is the standard option, other options have additional charges and may require longer lead times.

Multiwall (Smoke Vent)

White
(Standard)
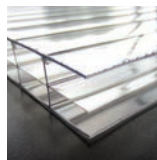
Clear
LMC
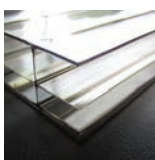
Bronze
LMZ

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

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

Powder Coat
FINISH OPTION

Polyester based powder coatings demonstrate superior gloss and color retention in a variety of outdoor environments. Powder coat provides outstanding corrosion resistance and exhibits excellent mechanical properties.

APPLICATION *Steel or Aluminum*

WARRANTY *5 year*

NOTE *ANSI 70 gray and High Reflectance White are the base colors of Roof Hatches and Smoke Vents, all other colors have additional charges and may require longer lead times.*

Custom colors available, call 800.547.2635 for more information.

STOCK COLORS

ANSI 70 Gray
FP1
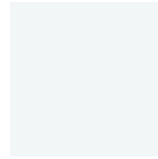
High Reflectance
White FP44

Red Oxide
FP2

Safety Yellow
FP48

STANDARD COLORS Readily available, but not stocked by Nystrom.
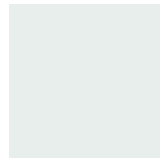
Coastal White
FP68
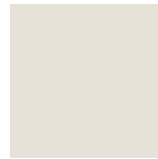
Bone White
FP3

Sandstone
FP5

Sierra Tan
FP8

Colonial Red
FP20

Dark Bronze
FP14

Charcoal Gray
FP7

Super Black
FP4

SPECIAL ORDER Common industry colors, special order.

Fine Ivory
FP13
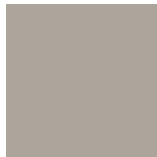
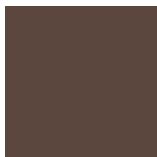Seawolf
FP15

Tan
FP17

Slate Gray
FP6

River Rouge
FP21

Brick Red
FP19

Brown
FP18

Military Blue
FP10

Arcadia Green
FP23

Hemlock Green
FP24

Forest Green
FP25

Teal
FP22

This color chart is for reference only and is not to be used for final color / material matching.
Nystrom is not responsible or liable for color matches made with this chart.
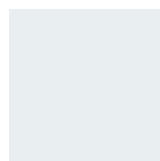
Anodize
FINISH OPTION

Protective and decorative anodizing applied to aluminum creates a corrosion resistant finish.

The clear finish (FA1) uses sulfuric Class II coating with a 0.4-0.7 mil thickness.

The clear finish (FA2) and integral color uses Duranodic with 0.7 mil and thicker.

APPLICATION *Aluminum*

WARRANTY *5 year*

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

Trinar®
FINISH OPTION

Trinar® is a high performance fluoropolymer coating with 70% Polyvinylidene Fluoride (PVDF) and provides maximum resistance against color fade and chalking. The most durable and long lasting finish in the industry; meets or exceeds AAMA 620/621 and AAMA 2605.
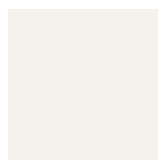
APPLICATION *Aluminum*

WARRANTY *10 year (standard) or 20 year*

STANDARD COLORS
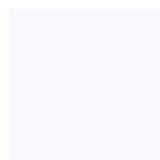
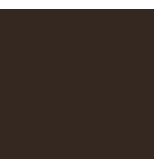|				
Polar White FK80	Bone White FK81	Taupe FK82	Dove Gray FK83	Slate Gray FK84
Galaxy Blue FK85	Forest Green FK86	Autumn FK87	Medium Bronze FK88	Black FK89

SPECIAL ORDER Common industry colors, special order.
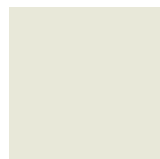
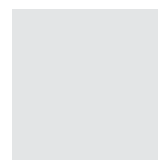|				
White Stone FK90	Surrey Beige FK91	Sandstone FK92	Medium Taupe FK93	Seal Brown FK94
Milano Blue FK95	Aged Copper FK96	River Rouge Red FK96	Bright Silver FK98	Copper FK99

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9300 73rd Avenue North
Minneapolis, MN 55428

Phone (800) 547-2635
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