# **MILCOR**®

# **Hatch Products**

Roof Access Hatches Floor & Sidewalk Doors



# WHERE HIGH EFFICIENCY IS THE STANDARD

#### **EXPERIENCE**

Milcor brings over 105 years of experience in the manufacturing of roof hatches, smoke vents and floor doors. Our years of experience gives us the knowledge to provide top of the line, dependable products to our customers

#### **ENGINEERING**

Every Milcor vent, hatch or door product is engineered to meet the specific, in-use requirements of the application for which it was designed.

#### **SELECTION**

The Milcor product line contains all of the essential items to meet your construction needs.

#### **ON-TIME DELIVERY**

Milcor satisfies your need for on-time delivery to meet your demanding schedule.

#### QUALITY

Milcor roof hatches and floor doors provide superior performance features unequaled in the industry.

#### WARRANTY

Milcor warrants all goods sold to be free from defects in workmanship and, not but limits liability to five years from date of shipment and expressly to the replacement of goods not complying with this warranty; or, at our election, a credit to original purchaser for the original purchase price paid less 1/60<sup>th</sup> of the price for each month elapsed from the original invoice date to the date of claim against this warranty.

Electric motors, special finishes and any other optional special components required shall be warranted separately by the manufacturers of those products.

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ROOF ACCESS HATCHES

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Milcor's Personnel Roof Access Hatches provide convenient access to the building's roof. These include hatches that accommodate ladder, ship stair, service stair access and thermal resistance.	
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## PRODUCT FEATURE



#### **Features & Benefits**

- · Fully insulated cover and curb
- High load capacity reaching up to 70 psf
  Interior and Exterior Padlock Hasps as standard
- · Lift Assistance for easy opening

## M-1 HATCH

### **SPECIFICATIONS**

Material: 14 gauge galvanized steel cover and Curb

Finish: Galvanized Steel: White Powder Coat

· 14 gauge galvanized steel exterior with 22 gauge galvanized steel liner bonded to core of 1" rigid polystyrene insulation.

Curb: 14 gauge galvanized steel with a 12" high curb, integral counterflashing, 31/2" wide mounting flanges with pre-drilled holes and 1" exterior fiberboard insulation

Gasket: Extruded EPDM rubber gasket adhered to cover

Hinges: Integrated Plate Hinge

Lift Assist: Cover operation is assisted by gas spring

Latches: Slam latch with interior and exterior handles and

padlock hasps

Hardware: All hardware is zinc plated (stainless steel

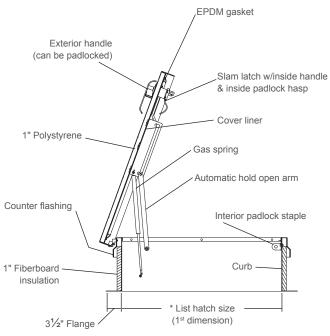
hardware optional)

Load Capacity: 70 psf

Certifications: Florida Product Approval: FL 16737-R2

Size	Galvanized Steel Cover and Curb
0126	Model No.
3' 0" x 2' 6"	M-1





\* Hatch sizing is based off inside curb dimensions

## LADDER ACCESS

#### **SPECIFICATIONS**

#### Material:

- M: 14 gauge galvanized steel cover and curb
- RB: 14 gauge galvanized steel cover and curb
- · RC: .090 Aluminum cover and 14 gauge galvanized steel curb
- · RD: .090 Aluminum cover and curb

- · Galvanized Steel: White Powder Coat
- · Aluminum: Mill Finish

Cover: covers open easily to 90 degrees

- M & RB: 14 gauge galvanized steel exterior with 22 gauge galvanized steel liner bonded to core of 1" rigid polystyrene insulation (M Style) or 1" fiberglass insulation (RB Style).
- RC & RD: Mill finish .090 aluminum exterior with .063 aluminum liner with 1" fiberglass insulation. (RD-1 uses 1" Styrofoam insulation)

- . M, RB & RC: 14 gauge galvanized steel with a 12" high curb, integral counterflashing, 31/2" wide mounting flanges with pre-drilled holes and 1" exterior fiberboard insulation
- RD: Mill finish.090 aluminum with a 12" high curb, integral counterflashing, 31/2" wide mounting flanges with pre-drilled holes and 1" exterior fiberboard insulation

Gasket: Extruded EPDM rubber gasket adhered to cover

Hinges: Steel Pintle Hinge

Lift Assist: Cover operation is assisted by enclosed heavy-duty Torsion Coil Spring

Latches: Slam latch with interior and exterior handles and padlock hasps.

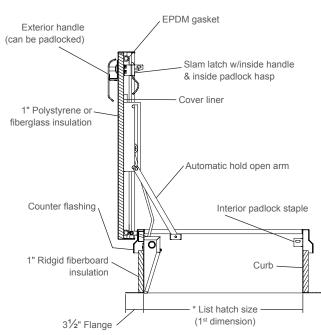
Hardware: All hardware is zinc plated (stainless steel

hardware optional)

#### **Load Capacity:**

- M & RD-1: 70 psf
- RB, RC & RD-3x3: 40 psf





\* Hatch sizing is based off inside curb dimensions

Size		Galvanized Steel Cover and Curb				Aluminum Cover, Galvanized Curb		Aluminum Cover and Curb	
Size	Model No.	Lbs.	Model No.	Lbs.	Model No.	Lbs.	Model No.	Lbs.	
3'0" x 2'6"			RB-1	205	RC-1	160	RD-1	125	
3'0" x 3'0"	M-3x3	254					RD-3x3	155	
4'0" x 4'0"	M-7	365	RB-4x4	365			RD-4x4	200	

**PERSONNEL** 

### SHIP STAIR

#### **SPECIFICATIONS**

#### Material:

- M: 14 gauge galvanized steel cover and Curb
- RB: 14 gauge galvanized steel cover and Curb
- RC: .090 Aluminum Cover and 14 gauge galvanized steel Curb
- · RD: .090 Aluminum Cover and Curb
- Finish:
- · Galvanized Steel: White Powder Coat
- · Aluminum: Mill Finish

Cover: Covers open easily to 90 degrees

- M & RB: 14 gauge galvanized steel exterior with 22 gauge galvanized steel liner bonded to core of 1" rigid polystyrene insulation (M Style) or 1" fiberglass insulation (RB Style)
- RC & RD: Mill finish .090 aluminum exterior with .063 aluminum liner with 1" fiberglass insulation

#### Curb:

- M, RB & RC: 14 gauge galvanized steel with a 12" high curb, integral counterflashing, 31/2" wide mounting flanges with pre-drilled holes and 1" exterior fiberboard insulation
- RD: Mill finish.090 aluminum with a 12" high curb, integral counterflashing, 31/2" wide mounting flanges with pre-drilled holes and 1" exterior fiberboard insulation

Gasket: Extruded EPDM rubber gasket adhered to cover

Hinges: Steel Pintle Hinge

Lift Assist: Cover operation is assisted by enclosed heavy-duty Torsion Coil Spring

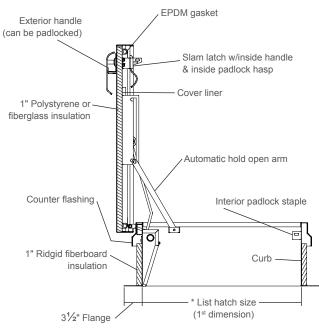
Latches: Slam latch with interior and exterior handles and padlock hasps.

Hardware: All hardware is zinc plated (stainless steel hardware optional)

#### **Load Capacity:**

- M: 70 psf
- RB, RC & RD: 40 psf





\* Hatch sizing is based off inside curb dimensions

Sino	Galvaniz Cover a		Galvaniz Cover a		Aluminur Galvaniz		Alumi Cover ar	
Size	Model No.	Lbs.	Model No.	Lbs.	Model No.	Lbs.	Model No.	Lbs.
2'6" x 4'6"	M-2	265	RB-2	255	RC-2	174	RD-2	136

## **SERVICE STAIR**

## **SPECIFICATIONS**

#### Material:

- M: 14 gauge galvanized steel cover and Curb
- RB: 14 gauge galvanized steel cover and Curb
- RC: .090 Aluminum Cover and 14 gauge galvanized steel Curb
- · RD: .090 Aluminum Cover and Curb

#### Finish:

- · Galvanized Steel: White Powder Coat
- · Aluminum: Mill Finish

Cover: covers open easily to 90 degrees

- M & RB: 14 gauge galvanized steel exterior with 22 gauge galvanized steel liner bonded to core of 1" rigid polystyrene insulation (M Style) or 1" fiberglass insulation (RB Style).
- RC & RD: Mill finish .090 aluminum exterior with .063 aluminum liner with 1" fiberglass insulation.

#### Curb:

- M, RB & RC: 14 gauge galvanized steel with a 12" high curb, integral counterflashing, 3½" wide mounting flanges with pre-drilled holes and 1" exterior fiberboard insulation
- RD: Mill finish.090 aluminum with a 12" high curb, integral counterflashing, 3½" wide mounting flanges with pre-drilled holes and 1" exterior fiberboard insulation

Gasket: Extruded EPDM rubber gasket adhered to cover

Hinges: Steel Pintle Hinge

**Lift Assist:** Cover operation is assisted by enclosed heavy-duty Torsion Coil Spring

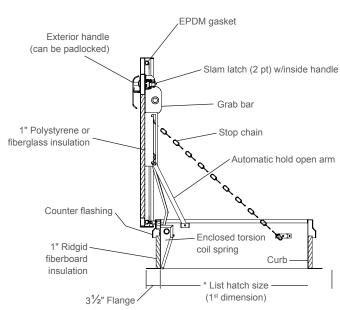
**Latches:** Slam latch with interior and exterior handles and padlock hasps.

**Hardware:** All hardware is zinc plated (stainless steel hardware optional)

#### **Load Capacity:**

- M: 70 psf
- RB, RC & RD: 40 psf





\* Hatch sizing is based off inside curb dimensions

0:	Galvaniz Cover a		Galvaniz Cover a		Aluminur Galvaniz		Alum Cover a	
Size	Model No.	Lbs.	Model No.	Lbs.	Model No.	Lbs.	Model No.	Lbs.
2'6" x 8'0"	M-3	395	RB-3	425	RC-3	307	RD-3	248

## **EE SERIES**

#### **SPECIFICATIONS**

#### Material:

· M: 14 gauge galvanized steel cover and Curb

RD: .090 Aluminum Cover and Curb

#### Finish:

· Galvanized Steel: White Powder Coat

· Aluminum: Mill Finish

Cover: covers open easily to 90 degrees

 M: 14 gauge galvanized steel exterior with 22 gauge galvanized steel liner with 2" Polyisocyanurate insulation.

· RD: Mill finish .090 aluminum exterior with .063 aluminum liner with 2" Polyisocyanurate insulation

• M: 14 gauge galvanized steel exterior with 22 gauge galvanized steel liner, a 12" high curb, integral counterflashing, 41/2" wide mounting flanges with pre-drilled holes and 2" Polyisocyanurate insulation

Gasket: Extruded EPDM rubber gasket adhered to cover

Hinges: Steel Pintle Hinge

Lift Assist: Cover operation is assisted by enclosed

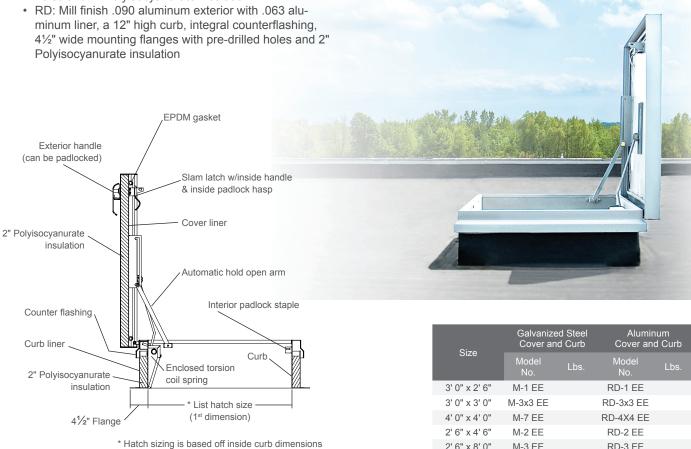
heavy-duty Torsion Coil Spring

Latches: Slam latch with interior and exterior handles and

padlock hasp.

Hardware: All hardware is zinc plated (stainless steel

hardware optional) Load Capacity: 70 psf



RD-3 EE

2' 6" x 8' 0"

M-3 EE

### THERMAL PRO 24

## **SPECIFICATIONS**

Material: 0.090 Aluminum Cover and Curb

Finish: Mill Finish Aluminum

Cover: Covers open easily to 68 degrees for ladder access sizes and 85 degrees for stair access sizes. .090 aluminum exterior and interior components with 3" polyisocyanurate insulation with condensation liner and thermal breaks.

Curb: 0.090 aluminum liner, 12" high curb, integral counterflashing, 41/2" wide mounting flanges with pre-drilled hole, 3" polyisocyanurate insulation, with condensation liner and thermal breaks.

- Extruded EPDM rubber gasket adhered to cover
- Custom EPDM rubber curb gasket for thermal breaking curb

Hinges: Zinc Plated Steel Pintle Hinges.

Lift Assist: Cover operation is assisted by enclosed heavy-duty gas spring.

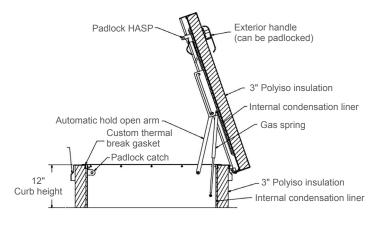
Latches: Slam latch with interior and exterior handles and padlock hasp.

Hardware: All hardware is zinc plated.

Load Capacity: 70 psf

Thermal Resistance: Internal thermal breaking components and Patent Pending thermal impedance components, along with R-24 in insulation allows for extreme temperature change resistance.





Size	Aluminum Cover and Curb				
	Model No.	Part No.			
3' 0" x 2' 6"	TP-1	3501-241-9			
3' 0" x 3' 0"	TP-3X3	3501-242-9			
4' 0" x 4' 0"	TP-4X4	3501-243-9			
2' 6" x 4' 6"	TP-2	3501-244-9			

## **EQUIPMENT ACCESS – DOUBLE LEAF**

#### **SPECIFICATIONS**

#### Material:

- · RB: 14 gauge galvanized steel cover and Curb
- RC: .090 Aluminum Cover and 14 gauge galvanized steel Curb
- · RD: .090 Aluminum Cover and Curb

#### Finish:

- · Galvanized Steel: White Powder Coat
- · Aluminum: Mill Finish

- RB: 14 gauge galvanized steel exterior with 22 gauge galvanized steel liner with 1" fiberglass insulation
- RC & RD: Mill finish .090 aluminum exterior with .063 aluminum liner with 1" fiberglass insulation

#### Curb:

- RB & RC: 14 gauge galvanized steel with a 12" high curb, integral counterflashing, 31/2" wide mounting flanges with pre-drilled holes and 1" exterior fiberboard insulation
- RD: Mill finish.090 aluminum with a 12" high curb, integral counterflashing, 31/2" wide mounting flanges with pre-drilled holes and 1" exterior fiberboard insulation

Gasket: Extruded EPDM rubber gasket adhered to cover

Hinges: Steel Pintle Hinge

Lift Assist: Cover operation is assisted by enclosed heavy-duty Torsion Coil Spring

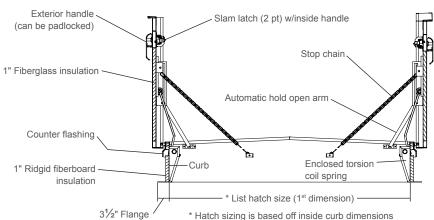
Latches: Two-point slam latch system for tight, secure closure with exterior handles and padlock hasps

Hardware: All hardware is zinc plated (stainless steel

hardware optional)

Load Capacity: 40 psf





Size	Galvanized Steel Cover and Curb		Aluminum Cover, Galvanized Curb		Aluminum Cover and Curb	
Size	Model No.	Lbs.	Model No.	Lbs.	Model No.	Lbs.
5'0" x 5'0"	RB-5X5		RC-5X5		RD-5X5	
6'0" x 6'0"	RB-6X6		RC-6X6	1220	RD-6X6	
8'0" x 8'0"			RC-6	1220	RD-6	1055

RETROFIT SAFETY RAIL SYSTEMS

## SAF-T-RAIL

## **SPECIFICATIONS**

#### Benefits:

- · Easily installs in minutes with non-penetrating attachments using standard tools
- · Telescoping Rails that fit hatches from most manufacturers
- Installs on existing hatches with cap flashings from ANY manufacturer
- **Durable/Sturdy Metal Fabrication**
- Durable safety yellow powder coat to withstand the elements
- · Structural aluminum square tubing
- 5 year warranty

#### **OSHA Compliant:**

- · Meets OSHA fall protection standards 29 CFR 1910.23 and 1926.502 guarding for opening requirements and supports 200 lbs force
- · Posts, top rail, mid-rails & gate made of structural aluminum square tubing
- Powder coated safety yellow rails
- Patent #US10501942B2

#### Notes:

1. Displayed dimension are outside dimensions of hatch curb cap (nominal)





MSTR-75-110 For Service Stair 30.5" x 75.25" to 52" x 110" (nominal)



MSTR-30-52 For Ladder Access 33" x 30.5" to 58" x 52" (nominal)



**Corner Brackets** 



Easy to install hinges



MSTR-48-70 For Ship Stair 30.5" x 48" to 52" x 70" (nominal)

**UPRIGHT SAFETY BAR** 

## SAFETY ACCESSORIES

### **SPECIFICATIONS**

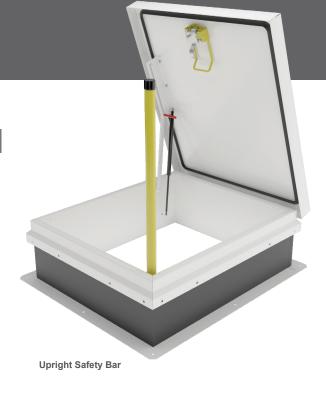
#### Benefits:

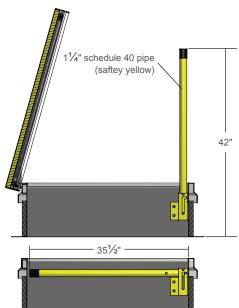
- · The Milcor Upright Safety Bar is designed to assist in safe passage when exiting and entering the roof hatch. A heavy-duty, hinged steel mechanism allows the upward and downward movement of the bright yellow safety bar.
- No need to attach bar to center of ladder rungs. Milcor's Upright Safety Bar is designed to provide the safest way to exit and enter a roof hatch without restricting the opening or footing on the top rungs of the ladder.

#### **Quality Design and Construction:**

- · Simple and safe lift-and-lock into place movement.
- · Side location for safer and more convenient passage.
- · Automatically locks when fully extended.
- · Shipped as a separate unit. Also available assembled to roof hatch.
- · Designed for hatches 4-foot and smaller on the ladder
- · Designed to provide approximately 42" height above ladder.





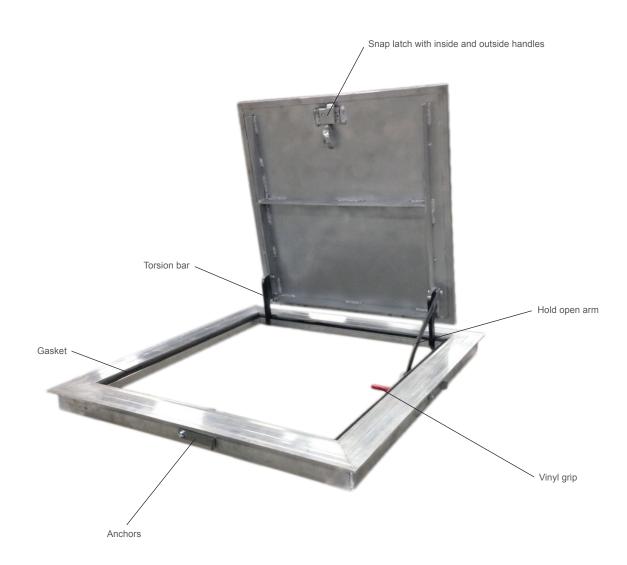


## **OPTIONS**

#### **Hatch Options**

- Custom Sizes
- Metal Roofs
- · Stainless Steel Hardware
- · Custom cover and curb insulation types and thicknesses
- · Motorized (single leaf only)
- · Pitched
- Curb Heights
- · Curb Liner
- · Curb Mounted

## PRODUCT FEATURE



#### **Features & Benefits**

- · Heavy-Duty Construction to meet required loads
- Both Secure and Non-Secure Options Available

# NON-SECURITY ALUMINUM FLOOR DOORS - STYLES F, T & Z

### **SPECIFICATIONS**

#### Material:

- F: 1/4" Aluminum tread plate and extruded aluminum
- T: 1/8" Aluminum plate and extruded aluminum frame
- Z: 1/8" Aluminum recessed plate and formed aluminum frame

#### Finish:

o Mill Finish

- · F: Diamond patterned safety tread plate designed to support minimum of 200 psf live load
- T: 1/8" Recessed smooth plate for floor tile to support minimum of 200 psf live load
- · Z: Recessed smooth plate for terrazzo to support minimum of 200 psf live load

#### Frame:

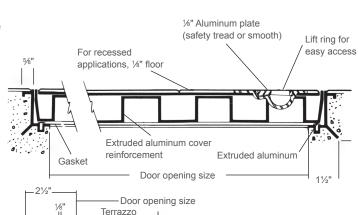
- F & T: 1/8" Extruded aluminum frame w/ integral masonry anchors
- Z: 1/8" fully welded and mitered aluminum frame with welded masonry anchors

Gasket: 1/16" Neoprene gasket adhered to frame ledge

Handle: Lift Ring for easy access

Hardware: Stainless steel

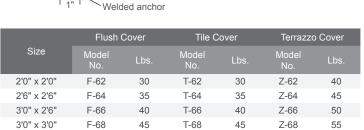
Flush Door Style (T Series)



11/16" Recess for terrazzo

1/4" Aluminum flat plate

Terrazzo Detail (Z Series)



Gasket

## SECURITY ALUMINUM FLOOR DOORS - STYLES F, T

## **SPECIFICATIONS**

#### Material:

- F: 1/4" Aluminum Tread Plate and extruded aluminum
- T: 1/4" Aluminum Plate and extruded aluminum frame

Finish: Mill Finish

#### Cover:

- · F: Diamond patterned safety tread plate designed to support 150 psf live load.
- T: 1/4" Recessed smooth cover with extruded tile stop for floor tile to support 150 psf live load

Frame: F & T: 1/4" Extruded aluminum frame with strap-

type anchors bolted onto frame

**Gasket:** 1/16" Neoprene gasket adhered to frame

Latch: Snap Latch

Handle: Inside handle and removable outside T handle

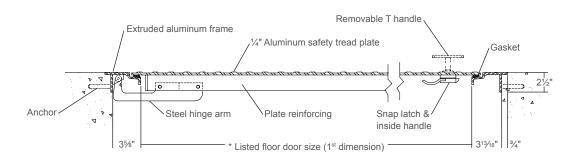
Lift Assistance: Torsion Bar

Hardware: Zinc plated (stainless steel optional)



Diamond pattern





		Flush	Cover	Tile C	over
No. of Leafs	Size	Model No.	Lbs.	Model No.	Lbs.
	2'0" x 2'0"	F-2424	60	T-2424	66
011	2'6" x 2'6"	F-3030	75	T-3030	85
Single-Leaf	3'0" x 2'6"	F-3630	85	T-3630	95
	3'0" x 3'0"	F-3636	95	T-3636	106
	4'0" x 4'0"	F-4848	160	T-4848	180
Double-Leaf	4'0" x 6'0"	F-4872	220	T-4872	246
	5'0" x 5'0"	F-6060	230	T-6060	258

STEEL AND ALUMINUM - STYLES GA AND GD

## SIDEWALK DOORS

#### **SPECIFICATIONS**

#### Material:

- GA: 1/4" Steel Tread Plate and 1/4" extruded aluminum
- GD: 1/4" Aluminum Tread Plate and 1/4" extruded aluminum frame

#### Finish:

- · GA: Grey Powder Coat
- · GD: Mill Finish

- · GA: Steel Diamond patterned safety tread plate designed to support 300 psf live load.
- · GD: Aluminum Diamond patterned safety tread plate designed to support 300 psf live load.

Frame: GA & GD: 1/4" Extruded aluminum frame with integral masonry anchor. Frame construction contains drainage gutter around perimeter with 11/2" drain coupling to connect with interior drain

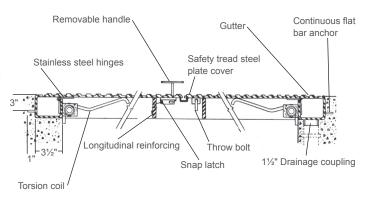
#### Latch:

- · Single Leaf: Single Snap Latch
- Double Leaf: Two-point snap latch with throw bolt on inactive leaf

Handle: Inside handle and removable outside T handle

Lift Assistance: Torsion Coil Hardware: Stainless steel





For highly corrosive environments, zinc flame-sprayed and painted option is available for unit.

		Prime Pair	nted Steel	Aluminum		
No. of Leafs	Size	Model No.	Lbs.	Model No.	Lbs.	
Single-Leaf	2'0" x 2'0"	GA-1	170	GD-1*	75	
	2'6" x 2'6"	GA-2	220	GD-2*	96	
	3'0" x 2'6"	GA-3	257	GD-3	102	
	3'0" x 3'0"	GA-4	286	GD-4	113	
Double-Leaf	3'6" x 3'6"	GA-5	321	GD-5	134	
	2'10" x 3'4'	GA-6	278	GD-6*	129	
	3'4" x 3'10"	GA-7	348	GD-7*	150	
	3'10" x 3'10"	GA-8	440	GD-8*	188	
	4'0" x 4'0"	GA-9	482	GD-9*	198	
	4'0" x 6'0"	GA-10	642	GD-10	268	
	5'0" x 5'0"	GA-11	706	GD-11	27	

<sup>\*</sup>Torsion spring not provided on aluminum sidewalk doors in the following standard and special sizes: single leaf type- 2'0" x 2'0" through 4'6", 2'6" x 2'6", double leaf type- 2'10" x 3'4" through 5'6", 3'10" x 3'10" through 4'0" x 4'0".

## **OPTIONS**

### Floor & Sidewalk Door Options

- · Custom Sizes
- Stainless Steel Hardware
- Zinc flame-sprayed for highly corrosive environments



## **BUILD FOR THE FUTURE**

Customer Service and Support:	Manufacturing & Distribution Centers:			
Airmate (USA)	CANADA Nobel, ON Laval, QC Prescott, ON	Manufacturing Manufacturing Distribution		
Amerivent (Retail)800.252.8467 Amerivent (Hearth & Wholesale)800.423.4270 Amerivent (Support)800.748.0392	USA Grand Rapids, MI Dallas, TX	Center of Excellence Distribution		
AMPCO (USA)800.669.3269 AMPCO (CAN)888.735.5475	Englewood, OH Jacksonville, TX Huntsville, AL	Distribution  Manufacturing & Distribution  Manufacturing & Distribution		
Builder's Best903.586.8283	Las Vegas, NV	Distribution		
Duravent 800.835.4429	Turner Falls, MA Vacaville, CA	Manufacturing & Distribution Manufacturing		
Hart & Cooley800.433.6341 Hart & Cooley (Support)800.748.0392	MEXICO Ojinaga, MX	Manufacturing		
Heatfab (USA)800.772.0739 Heatfab (CAN)800.848.2149	Mexicali, MX	Manufacturing		
Lima800.423.4270	Corporate Headqu  Duravent Group			
Milcor800.774.5240	28 W. Adams, Suite Detroit, MI 48226	e 1810		
Portals Plus800.774.5240	Tel: 800.835.4429 Email: info@durav	entgroup.com		
RPS800.624.8642	www.duraventgro	up.com		
Security Chimney (USA)800.361.4909 Security Chimney (CAN)800.667.3387				
Selkirk (USA) Residential800.992.8368 Selkirk (USA) Commercial800.848.2149				

Selkirk (USA) Support......800.748.0392 Selkirk (CAN).....888.735.5475

# **MILCOR**®



**BUILD FOR THE FUTURE** 

www.duraventgroup.com











For warranty information: Scan this QR code or visit www.duraventgroup.com/warranties

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