WEILAND
INDUSTRIAL DOORS & WINDOWS

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NORFOLK, NE 68701

COLD STORAGE

SWING DOOR HELPFUL GUIDES

+ **CONTENT**

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THERE IS NO EQUAL

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EXTERIOR INFITS
FOR COLD STORAGE

STANDARD HINGES EVERYTIME

CS Series D-240 Aluminum Cam Rise Hinges (3) ***$235****

OPTION 1:

Traditional Application

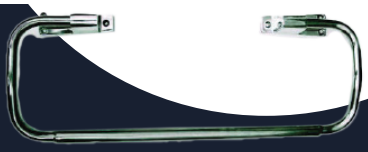
Latch with Plunger Style (Mushroom)
Inside Safety Release

OR ADD

- ✓ *Market Standard*
- ✓ *Padlockable*

CS Series Kason
56 Safeguard® Latch
Chrome with Inside Safety Release
$345* **Keyed Latch Add $135**

Pro Series D-70
Bump Bar
(SS Finish)
Add $260*



Stainless Steel Bump Bar

- ✓ *Satisfies emergency egress requirements to open easier*

OR

OPTION 2:

Panic Bar Exit Only
Means of Egress only!

- ✓ *No hardware on exterior of door*

CS Series Rim Panic Bar
Dorma 9300 Series | 689 Powder Coated Finish
Add $605*

OR

OPTION 3:

Panic Bar
With Locking Lever Trim

CS Series Rim Panic Bar
Dorma 9300 Series | 689 Powder Coated Finish
Add $605*

WITH Locking Lever Trim (SS Finish) | Dorma YR08/09
Add $675*

TOTAL: $1,280*

- ✓ **SFIC cylinder included with Locking Lever Trim**
- ✓ *Add Electric Strike (HES) as an option*
- ✓ *Factory Installed*

Electric Strike recommended over Maglock

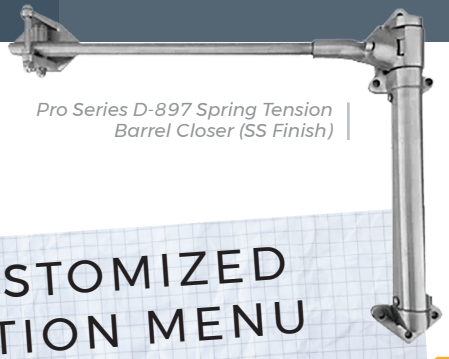
Electric Strike
For Panic Bar

Electric Strike (HES 9600)
$635*
Card Reader & Power Supply by Others

Weiland Recommended On Exterior Cooler & Freezer Doors

- ✓ ***CLOSER:*** *Pro Series D-897 Spring Tension Barrel Closer (SS Finish)* ***Add $880****
- ✓ ***HEAT:*** *Heat (120v-10w)* ***Add $395****
- ✓ ***DRIP CAPS:*** *SS Drip Cap (Weiland)* ***Add $175****
- ✓ ***KICK PLATES:*** *8" Tall SS* ***Add $120**** *or 28" Tall SS* ***Add $230****

** All prices are list/end-user pricing. Q1 Pricing. Prices subject to change on the Quarter.*



Pro Series D-897 Spring Tension Barrel Closer (SS Finish)

CUSTOMIZED OPTION MENU

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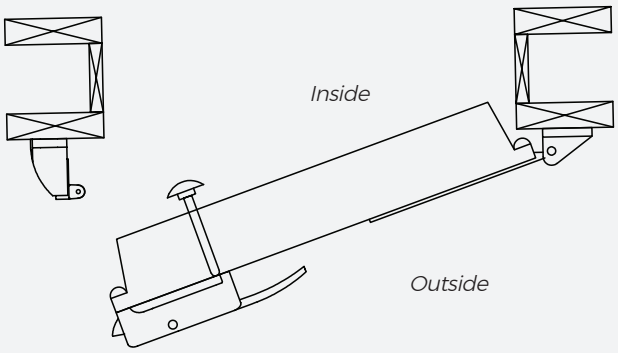
INDUSTRIAL DOORS & WINDOWS

INFIT DOOR SWING

WHAT DIRECTION? *IT'S COMPLICATED* - LET US HELP!

Begin by standing on the outside (secure side), facing the door.
The secure side is typically the side where you would insert the key.

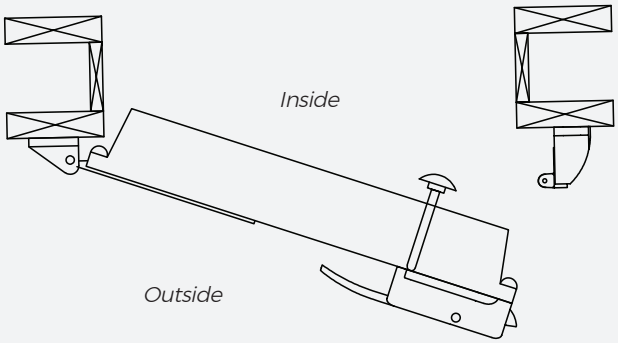
RIGHT HAND REVERSE (RHR)



The door is **hinged on the right** and the door **pulls towards** you.

At Weiland, the INFIT Cooler/Freezer doors are always RHR or LHR - as they swing OUT away from the colder side and toward the secure side.

LEFT HAND REVERSE (LHR)



The door is **hinged on the left** and the door **pulls towards** you.

At Weiland, the INFIT Cooler/Freezer doors are always RHR or LHR - as they swing OUT away from the colder side and toward the secure side.

THERE IS NO EQUAL

WEILAND

R-VALUE

FOR COOLER/FREEZER DOORS

R-value Reality check

It is a common misconception that if you double your insulation material and double your R-value that you will make your building twice as energy efficient.

It is true that if you double your insulation, you will double your R-value. Unfortunately, there are diminishing returns on this effort.

Many customers ask for 6" doors, as opposed to 4" doors, for exterior applications.

6" doors weigh approximately 40% more than 4" doors, cost 20% more, and yet only provide a 1% increase in thermal performance. That is a 100+ year ROI. Additionally, the added weight of the door will shorten the lifespan of hinges and latches.

If preventative maintenance isn't done on these doors, and the door loses its seal, that is far more detrimental to thermal performance than any gain received from the added thickness.

↳ For this reason, we advise opting for a 4" door, when not required by code!

COMPARISON

Door Example	Insulation R-Value	Amount of heat flow reduced by this insulation
Weiland FRP Personnel	R-12	93%
Typical 4" Cooler Door	R-32	97%
Typical 6" Freezer Door	R-48	98%

- *Nearly $700 more for a 6" door*
- *35 lbs Difference*
- *100+ year payback*

↳ This is why 6" doors are NOT something we typically recommend

For most applications, there will be no perceptible difference in the initial quality or performance of 4" and 6" doors.

Over the long run, 4" doors will require less maintenance. And most users will prefer the lighter weight opening force of a 4" door. The only exception where we may recommend 6" thick door panels is exit-only doors from blast freezers to the exterior – where the door panels are rarely used.

QUICK TIPS

- The mistake people make with considering R-value is that they think they are getting 50% more protection against heat flow by adding 50% thickness to the insulation.
- R-value is a measure of how well the insulating material prevents the flow of heat from the warm side to the cool side.
- R-value, as a number, is not directly proportionate to how much it prevents heat flow prevention.
- As the R-value goes up, the amount of heat transfer prevention has shockingly bad returns.
- The insulation we use in the core of our infitting swing doors is the best rated insulator out there used in this application: *2 lb pcf closed cell polyurethane.*

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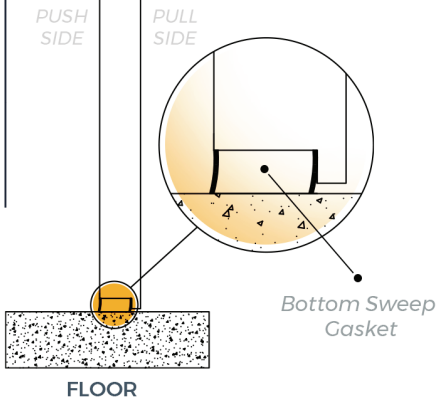
INDUSTRIAL DOORS & WINDOWS

WALK-IN STYLE INFITTING COOLER/FREEZER DOOR SILLS

FLUSH SILL

A flush sill is level with the floor, creating a seamless transition between spaces.

The bottom of the door is fitted with a double sweep gasket, which seals against the floor. This is the most typical set up for interior doors, and for exterior doors where the interior and exterior floor grades are in the same plane, or where step-downs aren't allowed.

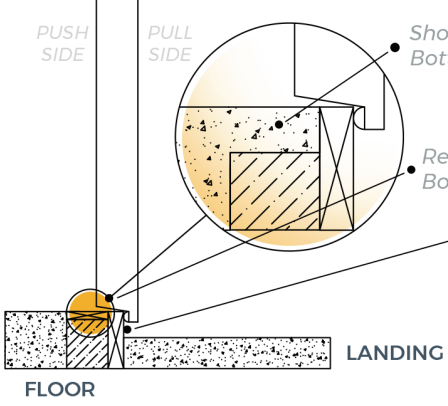


Smooth transition – door sweeps against a level floor.

HIGH SILL
STEP DOWN

A step-down high sill features a transition between the interior floor and the lower exterior ground or landing.

The removable bottom threshold allows for flexibility when pouring the interior concrete floor. The bottom face casing can be full-size (5-1/2 inches) or shortened to 2 inches. The door panel has a lip with a compression gasket that seals against the casing. This frame style is typically used for exterior doors approved for step-down exits.

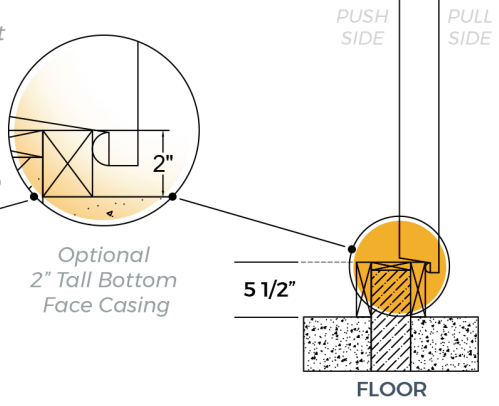


Interior floor higher than the exterior, **stepping down as you exit.**

HIGH SILL
STEP OVER

A step-over style high sill is designed to be raised, where personnel step over the bottom frame.

The bottom face casing and back trim are typically 5-1/2" tall, but can be shortened to 2". The bottom of the door panel has a lip on it with a compression gasket that seals against the bottom face casing. This style of frame is more typical for penthouses and some blast freezer doors, where a step-over is approved.



Step over a raised sill, with floors on both sides being lower than the sill.

#THEREISNOEQUAL

402-454-2106
806 W. S. Airport Rd. Norfolk, NE 68701

SPECIALIZED PRODUCT SELECTION

Cold Storage
Food Processing
Cleanrooms

FRP & STAINLESS STEEL DOORS

FRP DOORS FOR COLD STORAGE
Molded Fiberglass
16 Ga. Stainless Frames
Stocked Aluminum Hardware

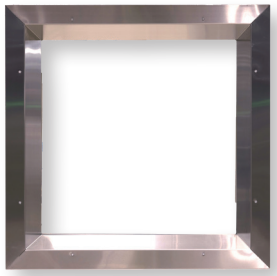
FRP & STAINLESS DOORS FOR FOOD AND CLEANROOMS
Molded Fiberglass or 16 & 18 Ga. Stainless
16 Ga. Stainless Frames
Stocked Stainless Hardware
Molded GRP Frame Option

WALK-IN STYLE INFITS

Cooler and Freezer Doors

4", 5", & 6" THICK DOORS FOR COOLERS AND FREEZERS
26 Ga. White Metal
Aluminum & Chrome Hardware

4" THICK HYGIENIC DOORS FOR COLD WASH-DOWN
Molded Fiberglass or Stainless Steel
16 Ga. Foam Injected Frame Casings
Stainless Steel Hardware



STAINLESS STEEL WINDOWS

For Cold Storage, Food Processing, and Cleanrooms

SPLIT JAMB
Ideal for IMP Construction

ONE-PART
Ideal for Concrete Construction

Glazing: AR Polycarbonate / Insulated Glass / Heated Glass

Options: Safety Coated Film

1-3/4" INSULATED PLASTIC DOUBLE ACTING TRAFFIC DOOR

3/16" Black ABS Skins (Custom colors available for up-charge)

All Stainless Steel Roller Assembly with SS bearing and solid 1" SS shaft

SS Frame - either one part/welded or knock down style

COLD STORAGE & FOOD FACILITY ALUMINUM & STAINLESS STEEL SLIDERS

Bi-Parting, Single Slide, and Vertical Options Available.
24 Ga. Painted Aluminum or 20 Ga. Stainless Steel / Manual or Power / Cooler or Freezer

WEILAND

WEILAND

STANDARD SIZES

FOR THE FASTEST LEAD TIMES

Need custom? Call your account executive today!

PERSONNEL DOORS

1-3/4" THICK - CLEANCOR™	(SINGLE) WIC	(SINGLE) HIC	(DOUBLE) WIC	(DOUBLE) HIC
Molded Fiberglass Doors (White)	3'0"	7'0"	6'0"	7'0"
	4'0"	8'0"	8'0"	8'0"
Stainless Steel Doors (16ga & 18ga)	3'0"	7'0"	6'0"	7'0"
Excludes Fire Doors	4'0"	8'0"	8'0"	8'0"

PERSONNEL FRAME STANDARD

One-Part 16ga SS Frame:
4", 4-7/8, 5-3/4" Deep *(2" Standard Reveals)*

Two-Part 16ga SS Frame: 4" Wall *(2" Standard Reveals)*

GRP Frame: 4" Deep *(Longer Lead Time/More Expensive)*
Fasteners INCLUDED

INFIT DOORS

4" THICK COOLER & FREEZER PANEL	WIC	HIC
26ga White Stucco Embossed Metal Clad	3'0"	7'0"
Fiberglass	3'0"	7'0"
20ga Stainless	3'0"	7'0"

No Price Increase for varying sill styles

STANDARD JAMB DEPTH 4" TO 6"

Standard Face and Back-trim Casing:
16ga Stainless Clad - HD Foam Core

Standard Face and Back-trim Casing:
26ga White Stucco Embossed Metal Clad - HDPE Core
Fasteners Optional

WINDOW GLAZING

	(SINGLE) WIC	(SINGLE) HIC	(DOUBLE) WIC	(DOUBLE) HIC
POLYCARBONATE GLAZING (1/4", 3/8", 1/2")	3'0"	4'0"	6'0"	4'0"
	4'0"	3'0"	8'0"	3'0"
1" CLEAR TEMPERED INSULATED GLAZING	3'0"	4'0"	6'0"	4'0"
	4'0"	3'0"	8'0"	3'0"
1" THICK HEATED GLAZING (110/120V)	3'0"	4'0"	6'0"	4'0"
	4'0"	3'0"	8'0"	3'0"

WINDOW FRAME OPTIONS

ONE-PART 16GA SS FRAME:
4", 4-7/8, 5-3/4" Deep

TWO-PART 16GA SS FRAME:
4" Wall

GRP FRAME:
4" Deep *(Glazing Limitations/Longer Lead Time/More Expensive)*
Fasteners INCLUDED