FREEMAN MARINE double-skin panel construction offers simplicity yet broad flexibility for configuring doors to specific needs. Doors have .080" mill finished aluminum skins captured in an extruded aluminum panel framework, clamp grip style windows with 3/16" clear glass, and marine grade lever handle locksets. The outer skin is trapped by the door panel extrusion, and the inner skin is riveted. Solidly constructed and fully insulated, Standard Duty doors are suitable for the following typical high traffic access installations:

• Pilothouse • Galley • Engine Room
• Salon • Main Deck • Storage

STANDARD DUTY DESIGN FEATURES

- **Custom Sizing, width and height**
- **.080" Aluminum Panel Skins, outside and inside**
- **Welded Panel Frame for Strength**
- **Outer Skin Captured in Frame Extrusion, Riveted Inner Skin**
- **Gasket on Door Panel for Long Life and Positive Sealing**
- **Radius or Mitered Corners**
- **Bolt-in, Weld-in or Clamp-in Frames**
- **Welded Internal Doublers at All Seams**
- **Mill Finish Aluminum Door Skins**
- **Stainless Steel Dog Shafts**
- **Cast Aluminum Dogging Handles, powder coated finish**
- **Stainless Steel Dog Shafts**
- **Glass Filled Striker Wedges**
- **Solid Polyurethane Insulation**
- **Stainless Steel Hinges, butt style only**
- **Stainless Steel Fasteners**
- **Clamp-Grip Window, 3/16" or 1/4" Clear Tempered Glass,** (opt avail)

Where suitable, doors can be designated to include additional windows and/or dogs or omit windows and/or dogs. Pilothouse doors are often provided with windows in both top and bottom of the panel to allow greater operator visibility to deck or waterline areas.

Shown are several available custom window options for Standard Duty doors.

MODEL 1110 | PHOTOS | LAYOUT | PANEL | COAMING | HANDLES | HINGES | WINDOWS

Two dogs,
Lockset,
No window

Flush dog,
Painted

One dog,
No lockset,
No window

Six dog,
No lockset,
No window,
Flat bar,
Steel coaming

Mobile shelter,
Inside view

Mobile shelter,
Outside view

Two dogs,
Lockset,
12" view port,
Painted

Two dogs,
Lockset,
Upper and lower windows

Two dogs,
Lockset,
Large 3'x4' window

Steel coaming,
Mitered corners,
Two dogs, lockset,
Upper half large window

Push button lock,
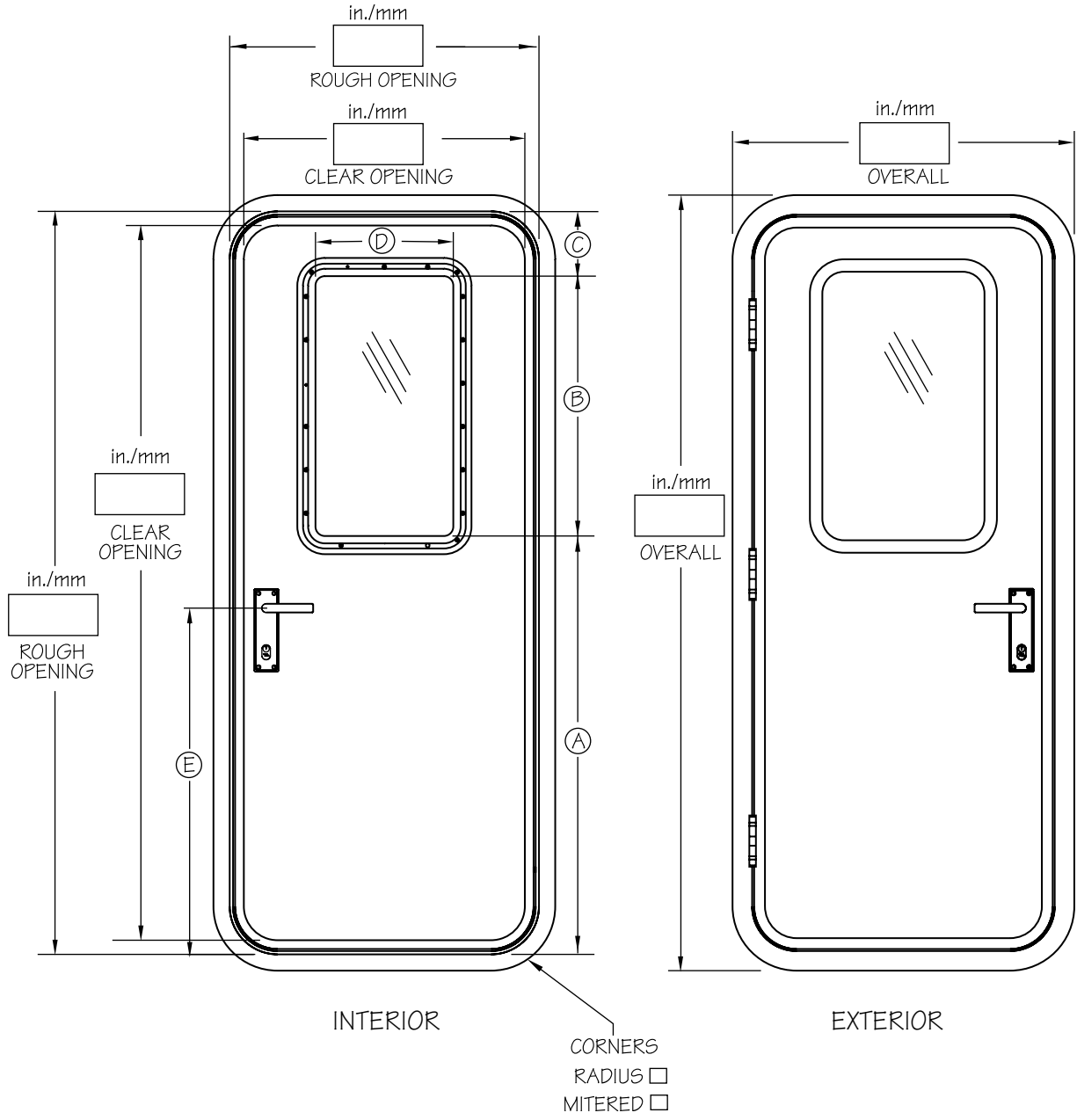Lever and key pass

Shelter door,
Combination lock

Dog handle, Inside with tang

Butt hinge with Delrin® bearings

Inside dog, left;
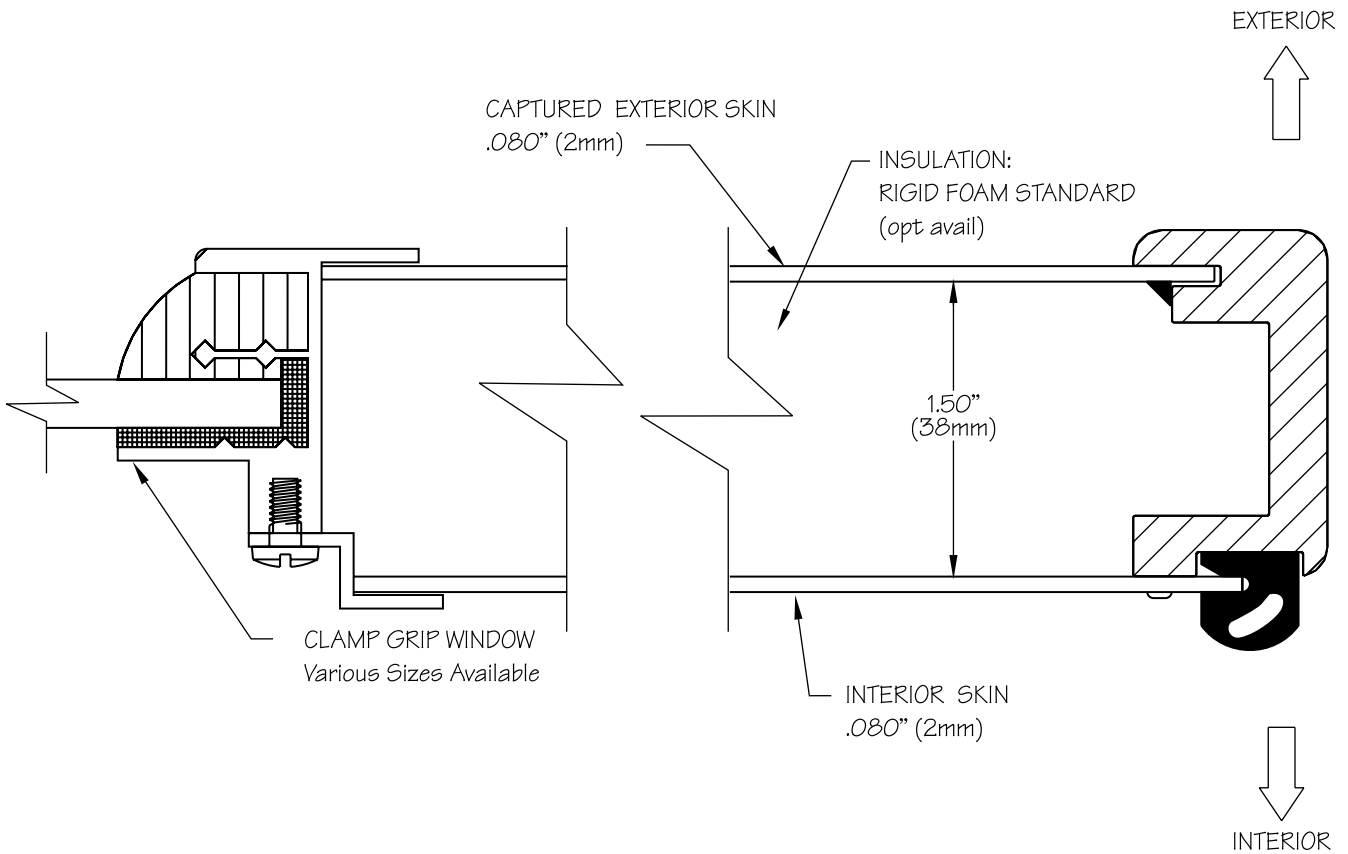Outside dog, right

Gasket on panel,
Adjustable sealing stop

in./mm
ROUGH OPENING

in./mm
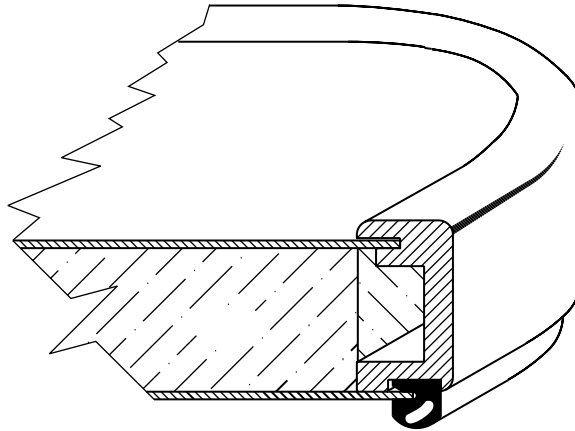CLEAR OPENING

in./mm
OVERALL

Ⓓ

Ⓒ

Ⓑ

Ⓐ

in./mm
CLEAR OPENING

in./mm
ROUGH OPENING

Ⓔ

in./mm
OVERALL

INTERIOR

EXTERIOR

CORNERS
RADIUS ☐
MITERED ☐

	inches	mm	**Dimensions For Options**
A			Bottom of Clear Glass to Bottom Rough Opening
B			Clear Glass Height
C			Top of Clear Glass to Top of Rough Opening, min 7"
D			Clear Glass Width, min side clearance 6"
E			Handle/Lockset – C/L to Bottom Rough Opening
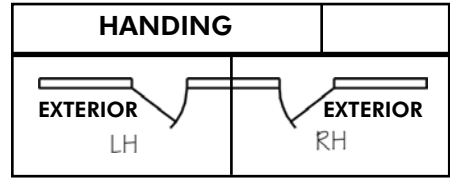
HANDING

EXTERIOR	EXTERIOR
LH	RH

Scale	None

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EXTERIOR ↑

CAPTURED EXTERIOR SKIN
.080" (2mm)

INSULATION:
RIGID FOAM STANDARD
(opt avail)

1.50"
(38mm)

CLAMP GRIP WINDOW
Various Sizes Available

INTERIOR SKIN
.080" (2mm)

INTERIOR ↓

PANEL

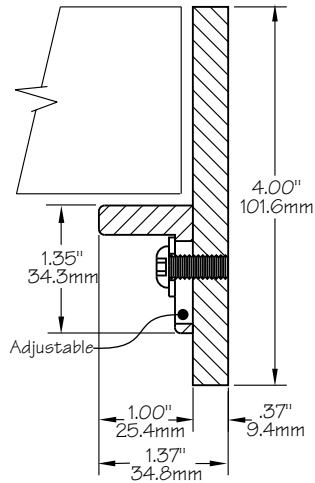| Sealing Performance	Weather Tight		
Availability	1110 Single	1510 Dutch	1610 French

Degree of watertightness depends on panel and coaming construction, number of dogs, proper installation and sealing adjustment. Closures are individually defined, specified and fabricated for each application.

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1.81"
46.0mm
.25"
6.4mm

Adjustable

4.00"
101.6mm

1.00"
25.4mm
.31"
7.9mm

1.31"
33.3mm
1.50"
38.1mm

CLEAR
OPENING

ROUGH
OPENING = CLEAR
OPENING + 2.62"
66.5mm OVERALL
WIDTH OR HEIGHT

0641-1001

1.81"
.25"

.50"

1.44"

4.00"

Adjustable

1.07"
.31"

1.38"
1.50"

ROUGH = CLEAR + 2.76"
70.1mm

0641-1002

1.81"
46.0mm
.25"
6.4mm

1.50"
38.1mm

4.00"
101.6mm

1.44"
36.5mm

Adjustable

.94"
23.9mm
.31"
7.9mm

1.25"
31.8mm

ROUGH = CLEAR + 2.50"
63.5mm

0641-1051

1.81"
.25"

4.00"

1.25"

Adjustable

.75"
.31"

1.06"
1.50"

ROUGH = CLEAR + 2.12"
53.8mm
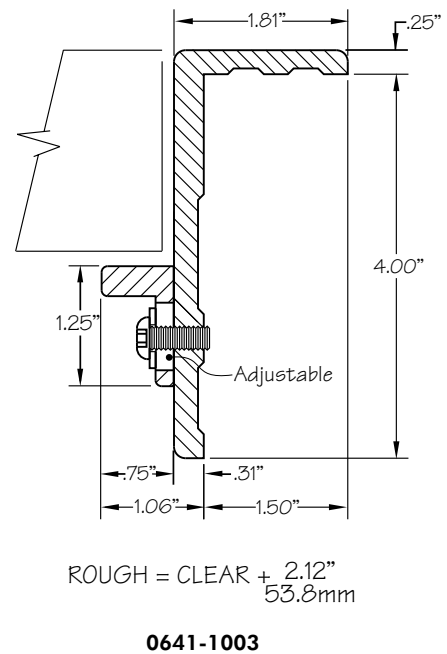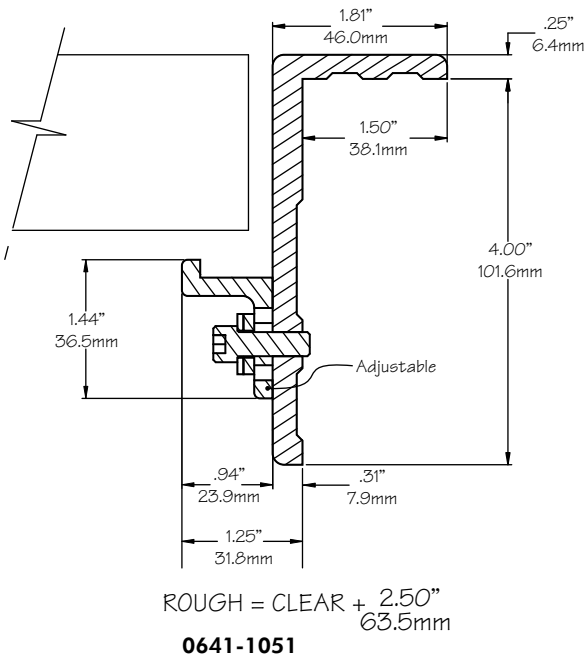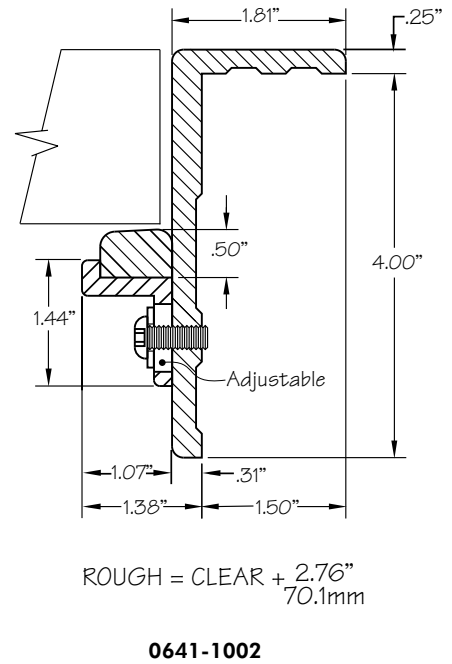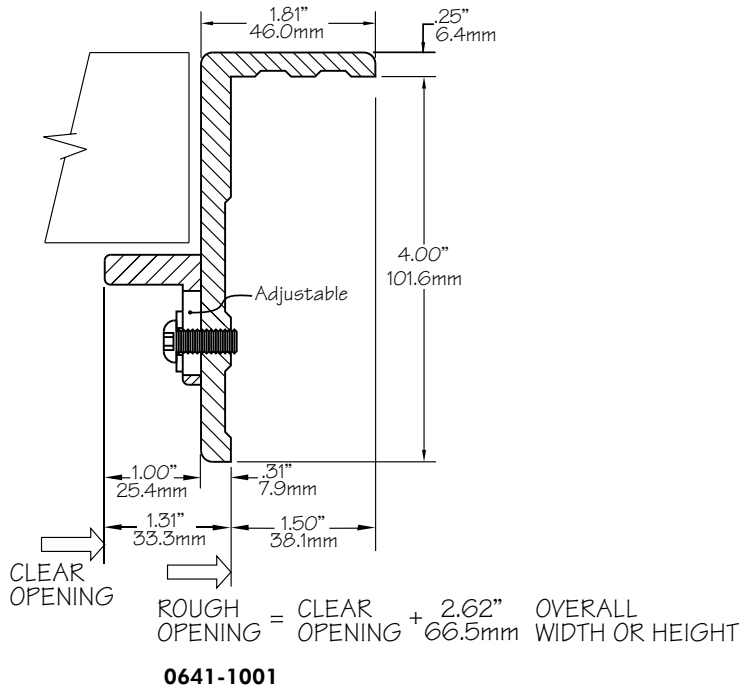
0641-1003

COAMING

Coaming Assembly No.	**0641-1001**	0641-1002	0641-1003	0641-1051
Gasket Seal Stop Type	1" Wide Flat	Gasket in Coaming	3/4" Wide Flat	Gasket in Coaming
Coaming Material	Aluminum			
Coaming Configuration	Extrusion w/ Flange			
Corner Radius - Rough	4.1" / 104mm			
	Stop Type / Material Adjustable / Aluminum			

Degree of watertightness depends on panel and coaming construction, number of dogs, proper installation and sealing adjustment. Closures are individually defined, specified and fabricated for each application.

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4.00"
101.6mm

1.35"
34.3mm

Adjustable

1.00"
25.4mm

.37"
9.4mm

1.37"
34.8mm

Aluminum - Flat Bar, 4.00" x .37", No Flange
Stop - Adjustable, 1.00" wide
0641-1004

4.00"
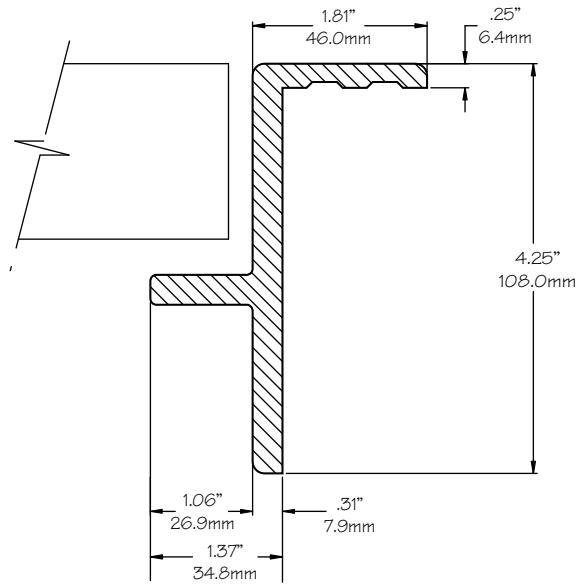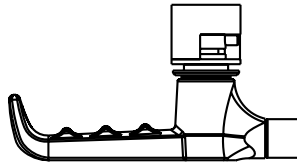101.6mm

1.35"
34.3mm

Adjustable

1.00"
25.4mm

.31"
7.9mm
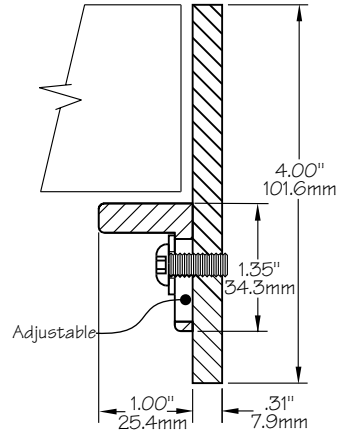
Steel - Flat Bar, 4.00" x .31", No Flange
Stop - Adjustable, 1.00" wide
0641-1028

3.00"
76.2mm

4.00"
101.6mm

1.35"
34.3mm

Adjustable

1.00"
25.4mm

.25"
6.4mm
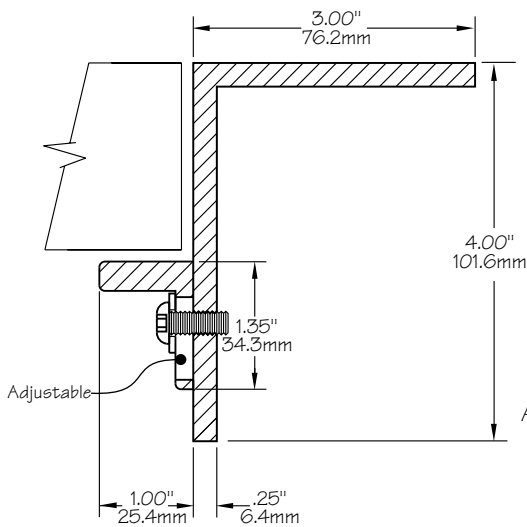
Steel - Angle, 4.00" x 3.00" x .25",
Stop - Adjustable, 1.00" wide
0641-1031

4.00"
101.6 mm

1.35"
34.4 mm

Adjustable

1.00"
25.4mm

.38"
9.5mm

1.38"
35.0mm
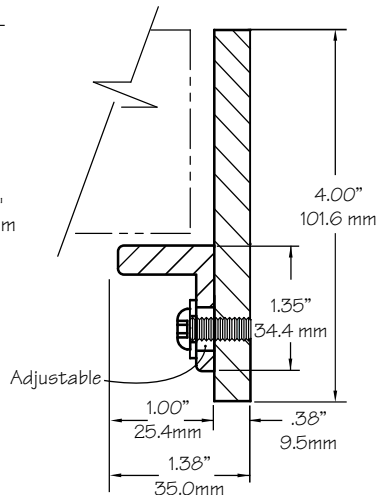
Stainless Steel - Flat Bar 4.00" x 3/8"
Stop - Adjustable, 1.00" wide - Aluminum
0641-1046

6.00"
152.4mm

1.35"
34.3mm

Adjustable

1.00"
25.4mm

.25"
6.4mm
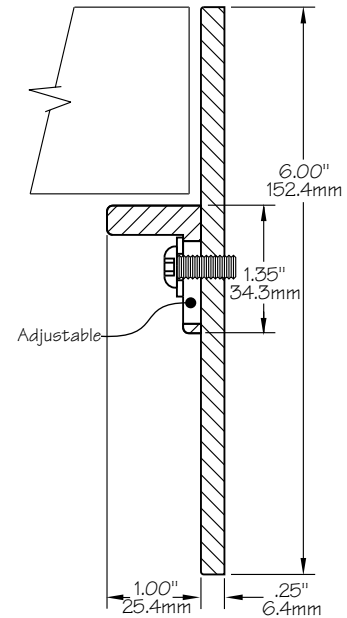
Stainless Steel - Flat Bar 6.00" X .25",
Stop, Adjustable - 1.00" wide - Aluminum
0641-1022

COAMING

Degree of watertightness depends on panel and coaming construction, number of dogs, proper installation and sealing adjustment. Closures are individually defined, specified and fabricated for each application.
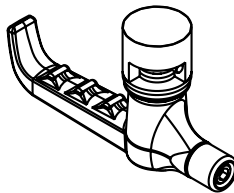
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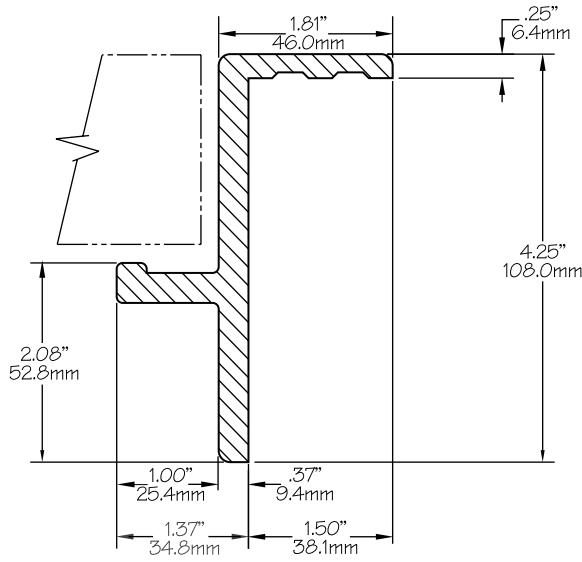
Aluminum - Angle Extrusion, 4.25" x 1.81", Flange
Stop - Fixed
0641-1007

Aluminum - Angle Extrusion, 4.25" x 1.81", Flange
Stop - Fixed
0641-1050

Degree of watertightness depends on panel and coaming construction, number of dogs, proper installation and sealing adjustment. Closures are individually defined, specified and fabricated for each application.

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COAMING

Available on Door: 1110
1120
1130
1510
1520
1610
1620

Handle Material: Aluminum
Stainless Steel
Shaft: Stainless Steel
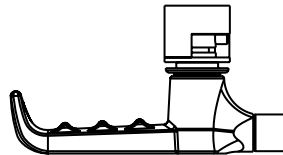
NO BEARING

Available on Door: 1120
1130
1520
1620

Handle Material: Aluminum
Stainless Steel
Shaft: Stainless Steel

INSIDE DOG ONLY, NO BEARING
no outside dog

Hex Option - Removable handle

Option

Available on Door: 1120
1130
1510
1520
1610
1620

Handle Material: Aluminum
Stainless Steel
Shaft: Stainless Steel

INSIDE DOG ONLY, NO BEARING
no outside dog – outside spindle head visible

Available on Door: 1110
1120
1130
1510
1520
1610
1620

Handle Material: Aluminum
Shaft: Stainless Steel
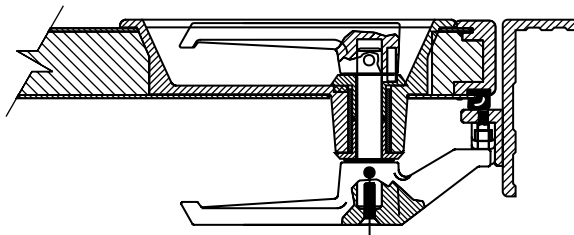
FLUSH, NO BEARING
outside and inside

Scale	None

HANDLES

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CAM FOLLOWER

Available on Door: 1110
1120
1130
1510
1520
1610
1620

Handle Material: Aluminum
Shaft: Stainless Steel
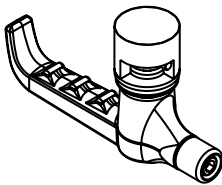
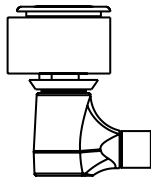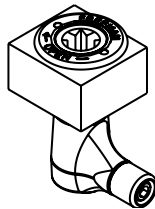## INSIDE DOG ONLY, CAM FOLLOWER

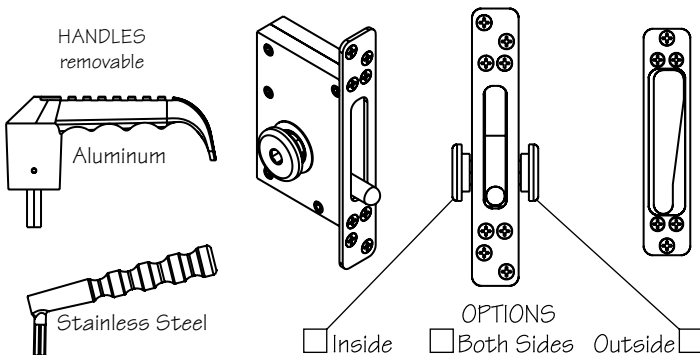*no outside dog*

Available on Door: 1120
1130
1520
1620

Handle Material: Aluminum
Shaft: Stainless Steel

BI-SQUARE OUTSIDE / DOG INSIDE, CAM FOLLOWER

Available on Door: 1120
1130
1520
1620

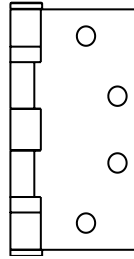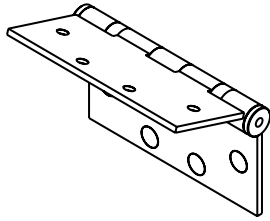**Handle Material:** Aluminum
Stainless Steel
Shaft: Stainless Steel

HANDLES
removable

Aluminum

Stainless Steel

OPTIONS
☐ Inside ☐ Both Sides Outside ☐

Available on Door: 1120
1520
1620

Concealed Handle Material: Stainless Steel
Handle Material: Aluminum
Stainless Steel
Shaft: Stainless Steel

CONCEALED, EDGE-OF-PANEL

HANDLES

Scale	None

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BUTT HINGE
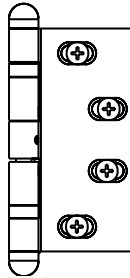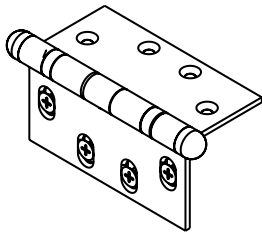*adjustable stop coamings*
4.5" x 4.5", 6.0" x 4.5", 8.0" x 6.0"

Available on Door: 1110
1120
1420
1510
1520
1610
1620

Finishes Available: Polished
Satin
Material: Stainless Steel
Attachment: Bolt-on

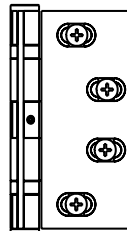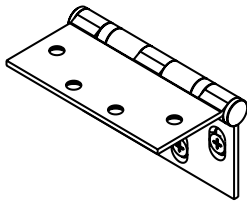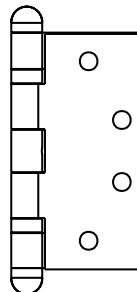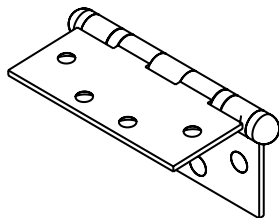(1X10 series requires butt hinge)

BUTT HINGE, WITH DOME PIN
fixed or adjustable stop coamings
4.5" x 4.5"

Available on Door: 1120
1420
1520
1620

Finishes Available: Polished
Material: Stainless Steel
Attachment: Bolt-on

BUTT HINGE
fixed stop or adjustable stop coamings
4.5" x 4.5"

Available on Door: 1110
1120
1420
1510
1520
1610
1620

Finishes Available: Polished
Satin
Material: Stainless Steel
Attachment: Bolt-on

(1X10 series requires butt hinge)

BUTT HINGE, WITH DOME PIN
adjustable stop coamings
4.5" x 4.5", 6.0" x 4.5", 8.0" x 6.0"
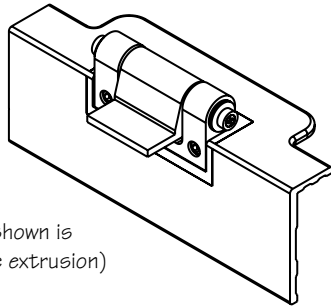
Available on Door: 1120
1420
1520
1620

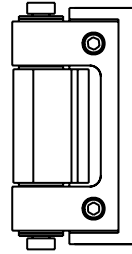**Finishes Available:** Polished
Material: Stainless Steel
Attachment: Bolt-on

HINGES

Scale	None

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FLUSH HINGE

(Hinge shown is in flange extrusion)

Available on Door:	1120
	1130
	1420
	1430
	1432
	1520
	1620

Finishes Available:	Painted
	Vibratory
Material:	Aluminum
Attachment:	Weld-on
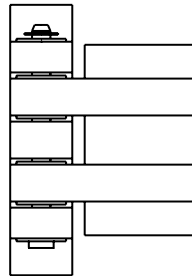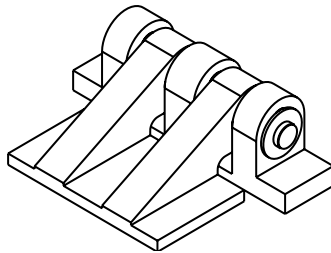
BLADE HINGE

Available on Door:	1120
	1130
	1420
	1430
	1432
	1520
	1620

Finishes Available:	Painted
	Vibratory
Material:	Aluminum
Attachment:	Weld-on
	Bolt-to-coaming
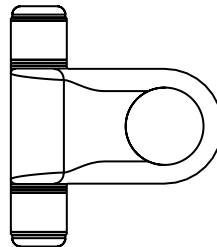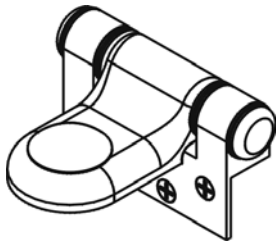
EURO HINGE

Available on Door:	1120
	1130
	1420
	1430
	1432
	1520
	1620

Finishes Available:	Painted
	Vibratory
Material:	Aluminum
Attachment:	Bolt-on

NOTE: Yoke hinges remain in clear opening space even though door panel swings completely out of opening. Maximum opening 97°.
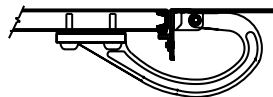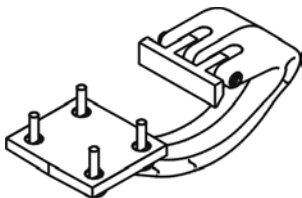
YOKE HINGE (Concealed)
universal, with rubber bumpers

Available on Door:	1120
	1130
	1420
	1430
	1432
	1620

Finishes Available:	Polished
	Painted
	Vibratory
Material:	Aluminum
Attachment:	Bolt-on

HINGES

| Scale | None |