350/500 IR Entrances

Features

• 350 IR medium stile has 3-1/2" (88.9) vertical stiles, 3-1/2" (88.9) top and 6-1/2" (165.1) bottom rails
• 500 IR wide stile has 5" (127) vertical stile, 5" (127) top and 6-1/2" (165.1) bottom rail.
• Door is 1-3/4" (44.5) deep
• Dual moment welded corner construction
• Single acting
• Square stops for 9/16" (14.3) or 1" (25.4) glazing infill for use with Kuraray SentryGlas® dry glazing
• Offset pivots, butt hinges or continuous geared hinge
• MS locks and 3-point locks or exit device hardware
• Surface mounted or concealed closers
• Architects Classic push/pulls
• Adjustable astragal utilizing pile weathering with polymeric fin at meeting stiles
• Polymeric bulb weatherstripping in door frames
• Permanodic™ anodized finishes in seven choices
• Painted finishes in standard and custom choices

Optional Features

• Paneline™ / Paneline™ MEL exit device (Hurricane Resistant applications only)
• Square stops with interior silicone seal for 9/16" (14.3) glazing infill
• Square stops with 3M® VHB interior tape for 9/16" (14.3) or 1" (25.4) glazing infill
• Variety of bottom rails and horizontal cross rails

Product Applications

• 350 IR medium stile and 500 IR wide stile provides extra strength for schools, institutions and other high traffic applications where codes require wind borne debris protection or blast mitigation protection

For specific product applications, consult your Kawneer representative.
Laws and building and safety codes governing the design and use of glazed entrance, window, and curtain wall products vary widely. Kawneer does not control product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.

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Metric (SI) conversion figures are included throughout these details for reference. Numbers in parentheses ( ) are millimeters unless otherwise noted.

The following metric (SI) units are found in these details:
   m – meter
   cm – centimeter
   mm – millimeter
   s – second
   Pa – pascal
   MPa – megapascal
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350/500 IR Entrances
ADMA020EN
MARCH, 2019

PICTORIAL VIEW

350/500 IR Entrances
ADMA020EN
MARCH, 2019

#1 MECHANICAL FASTENING is accomplished by attaching a 5/16" (7.9) thick extruded aluminum channel clip to the vertical stile with 1/4"-20 heat strengthened bolts and 3/16" thick steel nut plates for a high strength welding base for attachment horizontal member.

#2 SIGMA* DEEP PENETRATION PLUG WELDS are made top and bottom after the horizontal is properly positioned over the channel clip to help provide the strongest door corner joint currently available.

#3 SIGMA* FILLET WELDS along both top and bottom webs of the rail extrusion complete the welded corner construction.

* An arc welding process known as Shielded Inert Gas Metal Arc (SIGMA) or also known as Metal Inert Gas (MIG).
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Additional information and CAD details are available at www.kawneer.com

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NOTE:
1. 350 IR MEDIUM STILE DOORS ARE DETAILED. 500 IR WIDE STILE DOORS MAY ALSO BE USED.

2. IR 500 FRAMING WITH 9/16" (14.3) GLAZING IS DETAILED WITH THESE DOORS FOR REFERENCE. OTHER GLAZING INFILLS MAY BE USED WITH THE IR 500 SERIES FRAMING. SEE CATALOG SECTION IR 500/501 FRAMING FOR APPROPRIATE DETAILS.
350/500 IR Entrances
IR 501 ENTRANCE FRAMING DETAILS

Hurricane Resistant Product

Additional information and CAD details are available at www.kawneer.com

NOTE:
1. 350 IR MEDIUM STILE DOORS ARE DETAILED. 500 IR WIDE STILE DOORS MAY ALSO BE USED.

2. IR 501 FRAMING WITH 1-5/16" (33.3) GLAZING IS DETAILED WITH THESE DOORS FOR REFERENCE. OTHER GLAZING INFILLS MAY BE USED WITH THE IR 501 SERIES FRAMING. SEE CATALOG SECTION IR 500/501 FRAMING FOR APPROPRIATE DETAILS.

ELEVATION IS NUMBER KEYED TO DETAILS

NOTE:

1. Structural Silicone Sealant (by Others)*

* INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

Structural Silicone Sealant (by Others)
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TRIFAB™ VG 450 FRAMING

TRIFAB™ VG 451 FRAMING

TRIFAB™ 601 FRAMING

1600 WALL SYSTEM™ 1 SUB FRAMING

*INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.
350/500 IR Entrances

FRAMING OPTIONS

Hurricane Resistant Product

Additional information and CAD details are available at www.kawneer.com

Trifab™ VG 450
C.O.C. TRANSOM BAR
(Non-Impact or Shuttered Only)

Trifab™ VG 451
C.O.C. TRANSOM BAR

IR 500
C.O.C. TRANSOM BAR

IR 501
C.O.C. TRANSOM BAR

IR 500 RADIUS HEAD

IR 501 RADIUS HEAD

Structural Silicone Sealant (by Others)*

*INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.
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DIMENSIONS ARE NOMINAL

SINGLE ACTING DOORS

TRANSOM JAMBS

CONTINUOUS HINGE JAMB

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<table>
<thead>
<tr>
<th>STANDARD SIZES (TRIFAB™ VG 450 CENTER FRAMES)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WITH AND WITHOUT TRANSOM</td>
</tr>
<tr>
<td>Door Opening Dimension (DOW)</td>
</tr>
<tr>
<td>Overall Frame Dimension (OFW)</td>
</tr>
<tr>
<td>Masonry Opening Dimension (MOW)</td>
</tr>
<tr>
<td>3' 0&quot;  (914)</td>
</tr>
<tr>
<td>3' 6&quot;  (1,067)</td>
</tr>
<tr>
<td>6' 0&quot;  (1,829)</td>
</tr>
<tr>
<td>WITH AND WITHOUT TRANSOM</td>
</tr>
<tr>
<td>OFW = DOW + 2 FSL</td>
</tr>
<tr>
<td>MOW = OFW + 3/4&quot;</td>
</tr>
<tr>
<td>Note: Dimensions shown above reflect A1 Price Book standard stock door frame height with transom at 10’ 3-1/2&quot; (3.137).</td>
</tr>
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</table>

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<tr>
<th>STANDARD SIZES (TRIFAB™ VG 451, AND TRIFAB™ 601 CENTER FRAMES)</th>
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<tr>
<td>WITH AND WITHOUT TRANSOM</td>
</tr>
<tr>
<td>Door Opening Dimension (DOW)</td>
</tr>
<tr>
<td>Overall Frame Dimension (OFW)</td>
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<thead>
<tr>
<th>STANDARD SIZES (IR 500 AND IR 501 FRAMES)</th>
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</thead>
<tbody>
<tr>
<td>WITH AND WITHOUT TRANSOM</td>
</tr>
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</tr>
<tr>
<td>Overall Frame Dimension (OFW)</td>
</tr>
<tr>
<td>Masonry Opening Dimension (MOW)</td>
</tr>
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</tr>
<tr>
<td>3' 6&quot;  (1,067)</td>
</tr>
<tr>
<td>6' 0&quot;  (1,829)</td>
</tr>
<tr>
<td>WITH AND WITHOUT TRANSOM</td>
</tr>
<tr>
<td>OFW = DOW + 2 FSL</td>
</tr>
<tr>
<td>MOW = OFW + 3/4&quot;</td>
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<td>Note: Dimensions shown above reflect A1 Price Book standard stock door frame height with transom at 10’ 3-1/2&quot; (3.137).</td>
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</table>

<table>
<thead>
<tr>
<th>STANDARD SIZES (1600 WALL SUB FRAMES)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WITH AND WITHOUT TRANSOM</td>
</tr>
<tr>
<td>Door Opening Dimension (DOW)</td>
</tr>
<tr>
<td>Overall Frame Dimension (OFW)</td>
</tr>
<tr>
<td>Masonry Opening Dimension (MOW)</td>
</tr>
<tr>
<td>3' 0&quot;  (914)</td>
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<tr>
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</tr>
<tr>
<td>6' 0&quot;  (1,829)</td>
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<tr>
<td>WITH AND WITHOUT TRANSOM</td>
</tr>
<tr>
<td>OFW = DOW + 2 FSL</td>
</tr>
<tr>
<td>MOW = OFW + 3/4&quot;</td>
</tr>
<tr>
<td>Note: Dimensions shown above are not applicable with A1 Price Book standard stock door frame height with transom at 10’ 3-1/2&quot; (3.137).</td>
</tr>
</tbody>
</table>
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### STANDARD SIZES (TRIFAB™ VG 450 CENTER FRAMES)

#### WITHOUT TRANSOM

<table>
<thead>
<tr>
<th>Door Opening Dimension (DOH)</th>
<th>Overall Frame Dimension (OFH)</th>
<th>Masonry Opening Dimension (MOH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7' 0&quot;</td>
<td>7' 1-3/4&quot;</td>
<td>7' 2-1/8&quot;</td>
</tr>
<tr>
<td>7' 0&quot;</td>
<td>7' 1-3/4&quot;</td>
<td>7' 2-1/8&quot;</td>
</tr>
<tr>
<td>7' 0&quot;</td>
<td>7' 1-3/4&quot;</td>
<td>7' 2-1/8&quot;</td>
</tr>
</tbody>
</table>

**WITHOUT TRANSOM**

OFH = DOH + FSL  
MOH = OFH + 3/8"

**WITH TRANSOM**

OFH = DOH + TH  
MOH = OFH + 3/8"

**Note:** Dimensions shown above reflect A1 Price Book standard stock door frame height with transom at 10' 3-1/2" (3,137).

### STANDARD SIZES (TRIFAB™ VG 451, AND TRIFAB™ 601 CENTER FRAMES)

#### WITHOUT TRANSOM

<table>
<thead>
<tr>
<th>Door Opening Dimension (DOH)</th>
<th>Overall Frame Dimension (OFH)</th>
<th>Masonry Opening Dimension (MOH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7' 0&quot;</td>
<td>7' 2&quot;</td>
<td>7' 2-3/8&quot;</td>
</tr>
<tr>
<td>7' 0&quot;</td>
<td>7' 2&quot;</td>
<td>7' 2-3/8&quot;</td>
</tr>
<tr>
<td>7' 0&quot;</td>
<td>7' 2&quot;</td>
<td>7' 2-3/8&quot;</td>
</tr>
</tbody>
</table>

**WITHOUT TRANSOM**

OFH = DOH + FSL  
MOH = OFH + 3/8"

**WITH TRANSOM**

OFH = DOH + TH  
MOH = OFH + 3/8"

**Note:** Dimensions shown above reflect A1 Price Book standard stock door frame height with transom at 10' 3-1/2" (3,137).

### STANDARD SIZES (IR 500 AND IR 501 FRAMES)

#### WITHOUT TRANSOM

<table>
<thead>
<tr>
<th>Door Opening Dimension (DOH)</th>
<th>Overall Frame Dimension (OFH)</th>
<th>Masonry Opening Dimension (MOH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7' 0&quot;</td>
<td>7' 2-1/2&quot;</td>
<td>7' 2-7/8&quot;</td>
</tr>
<tr>
<td>7' 0&quot;</td>
<td>7' 2-1/2&quot;</td>
<td>7' 2-7/8&quot;</td>
</tr>
<tr>
<td>7' 0&quot;</td>
<td>7' 2-1/2&quot;</td>
<td>7' 2-7/8&quot;</td>
</tr>
</tbody>
</table>

**WITHOUT TRANSOM**

OFH = DOH + FSL  
MOH = OFH + 3/8"

**WITH TRANSOM**

OFH = DOH + TH  
MOH = OFH + 3/8"

**Note:** Dimensions shown above reflect A1 Price Book standard stock door frame height with transom at 10' 3-1/2" (3,137).

### STANDARD SIZES (1600 WALL SUB FRAMES)

#### WITHOUT TRANSOM

<table>
<thead>
<tr>
<th>Door Opening Dimension (DOH)</th>
<th>Overall Frame Dimension (OFH)</th>
<th>Masonry Opening Dimension (MOH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7' 0&quot;</td>
<td>7' 3/4&quot;</td>
<td>N/A</td>
</tr>
<tr>
<td>7' 0&quot;</td>
<td>7' 3/4&quot;</td>
<td>N/A</td>
</tr>
<tr>
<td>7' 0&quot;</td>
<td>7' 3/4&quot;</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**WITH TRANSOM**

N/A                           | N/A                            | N/A                            

**Note:** Dimensions shown above are not applicable with A1 Price Book standard stock door frame height with transom at 10' 3-1/2" (3,137).
# 350/500 IR Entrances

**ENTRANCE HARDWARE OFFERINGS**

**Hurricane Resistant Product**

<table>
<thead>
<tr>
<th>Standard</th>
<th>Optional</th>
</tr>
</thead>
</table>
## Doors
<table>
<thead>
<tr>
<th>Medium stile 350 IR</th>
<th>Wide stile 500 IR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Door Sizes Std.</strong></td>
<td>Maximum size shown on pages 12 thru 15.</td>
</tr>
</tbody>
</table>
## Glass Stops
| Square stops for 9/16" (14.3) infill, interior and exterior snap in glass stop. | Square stops for 9/16" (14.3) or 1" (25.4) infill, interior screw applied glass stop with 3M VHB structural tape. Square stops for 9/16" (14.3) infill, interior screw applied glass stop with silicone seal. Square stops for 1" (25.4) infill, interior and exterior snap in glass stop. |
## Door Frames
| IR 500 2-1/2" x 5" (63.5 x 127) | IR 501 2-1/2" x 5" (63.5 x 127)  
IR 501T/UT 2-1/2" x 5" (69.9 x 127)  
Trifab™ VG 450 1-3/4" x 4-1/2" (44.5 x 114.3)  
Trifab™ VG 451 2" x 4-1/2" (50.8 x 114.3)  
Trifab™ VG 451T 2" x 4-1/2" (50.8 x 114.3)  
Trifab™ 601/601T 2" x 6" (50.8 x 152.4)  
1600 sub-frame with door jamb adaptors and sub-head |
## Push-Pulls
| Single Acting: Architects Classic Hardware CO-9 Pull and CP-II Push Bar.  
Architects Classic Hardware CO-12 and CP push bar.  
Architects Classic Hardware CO-9/CO-9 Pulls.  
Architects Classic Hardware CO-12/CO-12 Pulls. |
## Door Closers
| Single Acting: Norton 1601 Adjustable or 1601 BF Adjustable Surface Closer with back-check, with or without adjustable hold open.  
Standard concealed overhead closer with single acting offset arm. | Single Acting: LCN 4040 surface closer with or without adjustable hold-open.  
LCN 2010, 2030 or 5010 concealed overhead closers with or without hold-open.  
LCN 1260 adjustable surface closer.  
Norton 8100 surface closer with a 50% spring power adjustment (for opening forces of less than 8 pounds). Closer is available with standard back-checks and with or without the hold-open feature.  
International single acting concealed overhead closer.  
Falcon SC 60 Surface closer. |
## Hinging
| Single Acting: Kawneer top and bottom offset pivots (or) Kawneer top and bottom 4-1/2" x 4" (114.3 x 101.6) ball bearing butt hinge with non-removable pin (NRP) (or) Kawneer continuous gear hinge. | --- |
## Intermediate Pivots/Butts
| Single Acting: Kawneer intermediate offset pivot (or) Kawneer 4-1/2" x 4" (114.3 x 101.6) ball bearing butt hinge with non-removable pin (NRP). | --- |
## Locking
| MS 1850 Deadbolt 3-Point Lock with 4016 Top Bolt and 4056 Bottom Bolt. Hurricane Resistant Flush Bolts required on pairs. | Adams Rite 2180 Dead Lock Flush Bolt for pair only. |

**NOTE:**
*IR 501 door frame uses IR 500 door jamb with IR 501 filler.*
### ENTRANCE HARDWARE OFFERINGS

#### STANDARD

<table>
<thead>
<tr>
<th></th>
<th>Doors</th>
<th>Thresholds</th>
<th>Weathering</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Medium stile 350 IR</td>
<td>A 1/2&quot; x 4&quot; (12.7 x 101.6) aluminum mill finish threshold.</td>
<td>Single Acting: Weathering system in the door and frame consisting of a dense, bulb polymeric material, which remains resilient and retains its weathering ability under temperature extremes. (The system is complete with an optional EPDM blade gasket sweep strip applied to the bottom door rail with concealed fasteners).</td>
</tr>
</tbody>
</table>

#### OPTIONAL

| Exit Device | Kawneer 1686 Concealed Rod Exit Device with or without a mortised type cylinder. | Kawneer 1686 MEL Concealed Rod Exit Device  
Kawneer Paneline™ Conc. Rod Exit Device  
Kawneer Paneline™ MEL Conc. Rod Exit Device  
Jackson 2086 Concealed Rod Exit Device  
Adams Rite G86 Conc. Rod Exit Device  
Calibre 9100 Conc. Rod Exit Device  
Falcon HH1690 Conc. Rod Exit Device  
Sargent 8400AD Concealed Rod Exit Device  
Von Duprin HH9947 Conc. Rod Exit Device  
Von Duprin 98/99 XP Rim Exit Device  
Corbin Russwin ED5200S Rim Exit Device  

**Exit Device Pulls:**
Architects Classic CO-9 Pull with Kawneer 1686 exit device.  
Architects Classic CPN Pull for Paneline™ and Paneline™ MEL exit devices.  
Optional Exit Device Pulls:  
Architects Classic CO-12 Pull with Kawneer 1686 exit device.  

NOTE:
*IR 501 door frame uses IR 500 door jamb with IR 501 filler.*
<table>
<thead>
<tr>
<th>LOCKING OPTIONS</th>
<th>MAXIMUM DOOR SIZE</th>
<th>MAXIMUM DESIGN PRESSURE</th>
<th>HINGING OPTIONS</th>
<th>GLAZING STOP OPTIONS</th>
<th>GLASS THICKNESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td><strong>4</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>MS 1850</strong></td>
<td>3-Point Lock</td>
<td>(Active leaf)</td>
<td>70 PSF</td>
<td>Offset Pivots</td>
<td>9/16&quot; (14.3)</td>
</tr>
</tbody>
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Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.

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ARCHITECTS CLASSIC (PUSH PULL SETS)

SINGLE ACTING DOORS USE A PULL HANDLE AND PUSH BAR AS STANDARD

ARCHITECTS CLASSIC (COMPONENTS)

EXIT DEVICES AND PULLS

CONCEALED ROD

Von Duprin 9947HH

Adams Rite G86

Calibre 9100

Sargent 8400AD

CONCEALED ROD

Falcon 1690

Falcon EL 1690

Jackson 2086

Von Duprin 98/99 XP

Corbin Russwin ED5200S

EXTERIOR VIEW OF 350 IR DOOR (500 IR SIMILAR)
CPN PULL AND OPTIONAL CYLINDER GUARD SHOWN.
SEE PAGE 20 AND 21 FOR COMPLETE PANELINE™ INFORMATION

350/500 IR ENTRANCES

MARCH, 2019

EC 97911-201

PUSH-PULL HARDWARE

REFER TO HARDWARE SECTION FOR COMPLETE HARDWARE INFORMATION.

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350/500 IR Entrances
ADMA020EN
MARCH, 2019
EC 97911-201

PANELINE™ EXIT DEVICE

The Paneline™ concealed rod exit device will accommodate variations in door width as shown in the following illustrations.

The Optional Paneline™ MEL device is designed for electrified access control and is compatible with most key pad and card reader systems.

See Hardware Section for complete description of Paneline hardware, including finish of units.

Paneline™ uses mortise cylinder in lieu of the normal rim-type.

EXTERIOR VIEW

EXTERIOR VIEW OF 350 IR DOOR (500 IR SIMILAR) WITH CPN PULL AND OPTIONAL CYLINDER GUARD SHOWN

PANELINE™ EXIT DEVICE

INTERIOR VIEW

LOCK STILE TRIM FILLER WIDTH VARIES WITH STILE WIDTH

DOGGING LOCK (TYPICAL)

PIVOT STILE TRIM FILLER WIDTH VARIES WITH DOOR WIDTH

POWER TRANSFER INTERMEDIATE BUTT HINGE

POWER TRANSFER INTERMEDIATE OFFSET PIVOT

ELECTRIC POWER TRANSFER (EPT)

SP-2000 POWER SUPPLY
PANELINE™ EXIT DEVICE

See Hardware Section for complete description of Paneline™ hardware, including finish of units.

Paneline™ uses mortise cylinder in lieu of the normal rim-type.

INACTIVE DOOR        ACTIVE DOOR
* ALTERNATE CROSSRAIL FOR VESTIBULE DOORS (Without Exit Device or Lock)

CROSS RAIL WITH EXIT DEVICE AND CPN PULL HANDLE
CROSS RAIL WITH FIXED PANEL

INTERIOR ELEVATION

INTERIOR VIEW

DOOR OPENING WIDTH
8'-0" (2,438.4) MAX. - 6'-9 5/16" (1,761.0) MIN.
6'-0" (1,828.8) ADA MIN.

500 IR DOOR

DOOR OPENING WIDTH
8'-0" (2,438.4) MAX. - 6'-0" (1,828.8) MIN.
6'-0" (1,828.8) ADA MIN.

ADMA020EN

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PIVOT STILE TRIM FILLER WIDTH VARIES WITH DOOR WIDTH

DOGGING LOCK (TYPICAL)

EXTERIOR VIEW OF 350 IR DOOR (500 IR SIMILAR) WITH CPN PULL AND STANDARD CYLINDER GUARD SHOWN

CPN PULL ON EXTERIOR OF DOOR

INACTIVE DOORACTIVE DOOR

EXTERIOR VIEW

MARCH, 2019

KAWNEER
AN ARCTIC COMPANY
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HORIZONTAL CROSS RAILS

<table>
<thead>
<tr>
<th>CROSS RAIL OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-1/2&quot; CROSS RAIL</td>
</tr>
<tr>
<td>6&quot; CROSS RAIL</td>
</tr>
<tr>
<td>8-1/4&quot; CROSS RAIL</td>
</tr>
</tbody>
</table>

* INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

INFILL OPTIONS

<table>
<thead>
<tr>
<th>INFILL OPTIONS</th>
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<tbody>
<tr>
<td>9/16&quot; IMPACT GLASS STOP</td>
</tr>
<tr>
<td>9/16&quot; IMPACT GLASS STOP</td>
</tr>
<tr>
<td>9/16&quot; IMPACT GLASS STOP</td>
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<tr>
<td>1&quot; IMPACT GLASS STOP</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>GLASS STOP</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Dry Glaze)</td>
</tr>
<tr>
<td>(3M Tape Glaze)</td>
</tr>
<tr>
<td>(Structural Silicone Glaze)</td>
</tr>
<tr>
<td>(Dry Glaze)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>BOTTOM RAILS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-1/2&quot; BOTTOM RAIL</td>
</tr>
<tr>
<td>7-1/2&quot; BOTTOM RAIL</td>
</tr>
<tr>
<td>10&quot; BOTTOM RAIL</td>
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</tbody>
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<table>
<thead>
<tr>
<th>RAIL HEIGHT</th>
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<tbody>
<tr>
<td>6-1/2&quot; (165.1)</td>
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<tr>
<td>7-1/2&quot; (190.5)</td>
</tr>
<tr>
<td>10&quot; (254)</td>
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</tbody>
</table>

Rail height shown may be used on 350 IR and 500 IR doors.
Additional information and CAD details are available at www.kawneer.com

NOTE:
1. 350 IR MEDIUM STILE DOORS ARE DETAILED. 500 IR WIDE STILE DOORS MAY ALSO BE USED.
2. IR 501 FRAMING WITH 1-5/16" (33.3) GLAZING IS DETAILED WITH THESE DOORS.

*INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.
### LOCKING OPTIONS | MAXIMUM DOOR SIZE | MAXIMUM BLAST LOADING | HINGING OPTIONS | GLAZING STOP OPTIONS | GLASS THICKNESS
--- | --- | --- | --- | --- | ---
Kawneer 1686 Concealed Rod Exit Device | Single 4'-0" x 8'-0" (1,219.2 x 2,438.4) Pair 8'-0" x 8'-0" (2,438.4 x 2,438.4) | Peak Pressure: 5.8 PSF Impulse: 41 PSI/M-SEC | Offset Pivots | 1 | 9/16" (14.3)

Test conditions shown. Other conditions may be supported through calculation.

**Glazing Stop Options:**
1. Structural silicone with 0.060 Kuraray or Eastman PVB inter layer.