

Features

- Performance class and grade:
Single: AW-PG90-ATD
Pairs: AW-PG65-ATD
- Outswing or inswing
- Door is 2-1/4" (57.2) deep
- 1" x 4" (25.4 x 101.6) mitered door frame
- 1-1/2" x 5" (38.1 x 127) door frame integrates into MetroView™ Window Walls
- Mitered door corners
- Polyamide thermal break used in door panel and 4" door frame
- Pour and debridged thermal break used in 5" door frame
- Infill options up to 1-1/16" (27)
- Three way adjustable butt hinges
- Stainless steel multipoint latch lock / deadbolt with swinghooks and shootbolts as required
- Single action unlocking for egress requirements
- Manual two step unlock function for non-egress type lock applications
- Solid brass lever handle selection in multiple finishes
- Concealed stainless steel door stop
- Assembled and shipped with door hung in frame
- Permanodic™ anodized finishes in seven choices
- Painted finishes in standard and custom choices

Optional Features

- Two-color finish capability
- LCN 1260 surface applied closer
- 10" (254) bottom rail
- Low profile threshold (Outswing Single and Pair)
- 2000T Terrace Door in 4" (101.6) frame has been small and large missile impact and cycle tested

Product Applications

- The 2000T Terrace Door is a high performance balcony door for use in condominiums, lofts, hotels, and apartments
- The 2000T Terrace Door 4" (101.6) Frame is intended to be installed in "punched" openings or as a liner frame within other Kawneer framing or curtain wall systems
- The 2000T Terrace Door 5" (127) Frame is intended to be installed in MetroView FG 501T, FG 601T PG Window Wall or as a liner frame within other Kawneer framing or curtain wall systems
- When sidelites and/or transoms are required the 2000T door frame is installed as a liner frame within other Kawneer framing or curtain wall systems

For specific product applications,
consult your Kawneer representative.

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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 THE SELECTION OF PRODUCT CONFIGURATIONS, OPERATING HARDWARE, OR GLAZING MATERIALS, AND ASSUMES NO RESPONSIBILITY THEREFOR.

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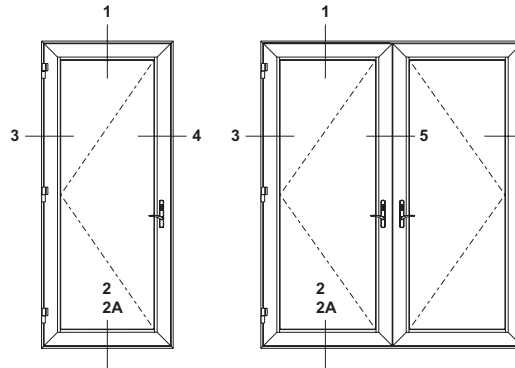
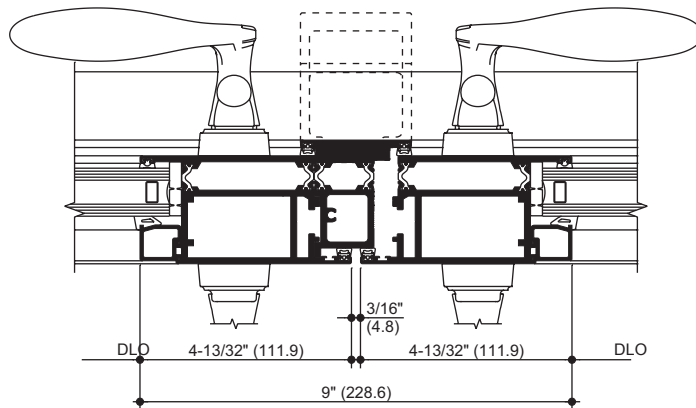
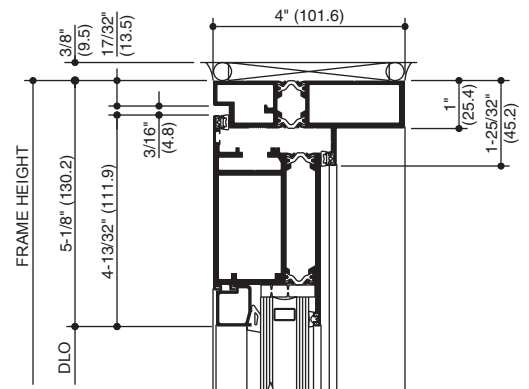
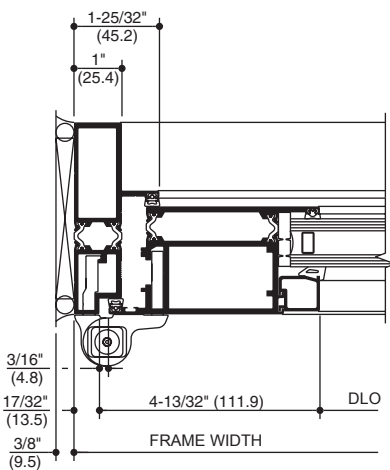
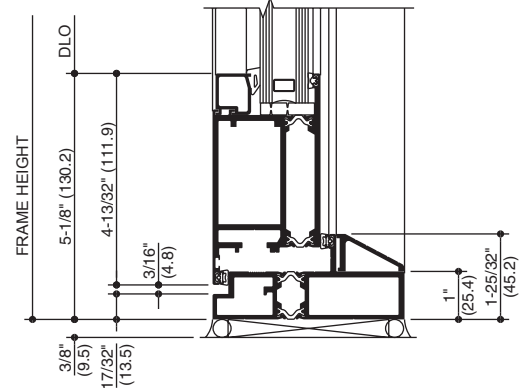
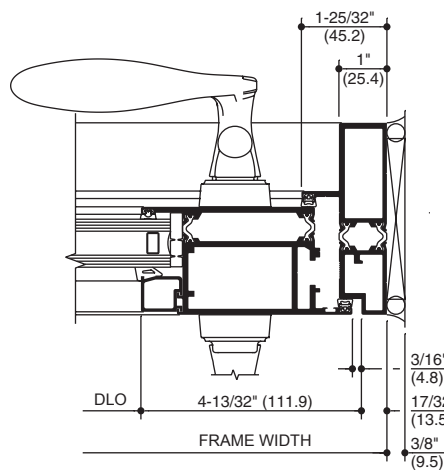
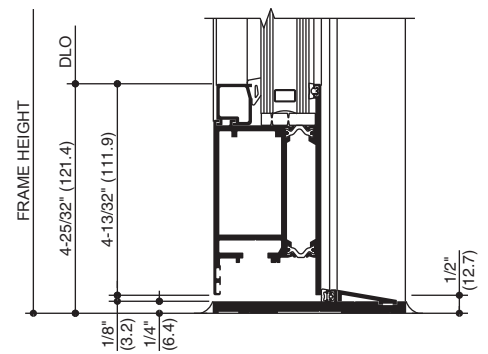
Additional information and CAD details are available at www.kawneer.com

Single Door

Maximum Frame Size = 48" x 120"
(1,219.2 x 3,048)
Minimum Frame Size = 30" x 73"
(762 x 1,854.2)

Pair of Doors

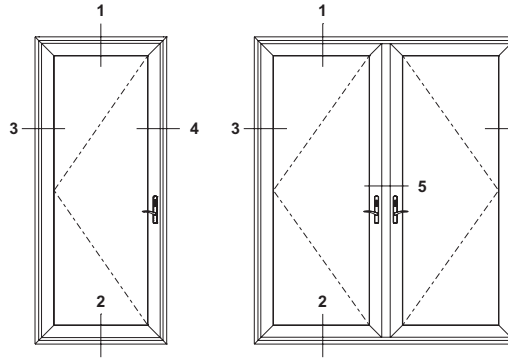
Maximum Frame Size = 96" x 96"
(2,438.4 x 2,438.4)
Minimum Frame Size = 60" x 81"
(1,524 x 2,057.4)

**OUTSWING DOORS & FRAME****5 MEETING STILE****1 HEAD****2 THRESHOLD****3 PIVOT JAMB****4 LOCK JAMB
AT DEADBOLT/LATCHLOCK****2A
OPTIONAL LOW PROFILE
THRESHOLD**

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Single Door

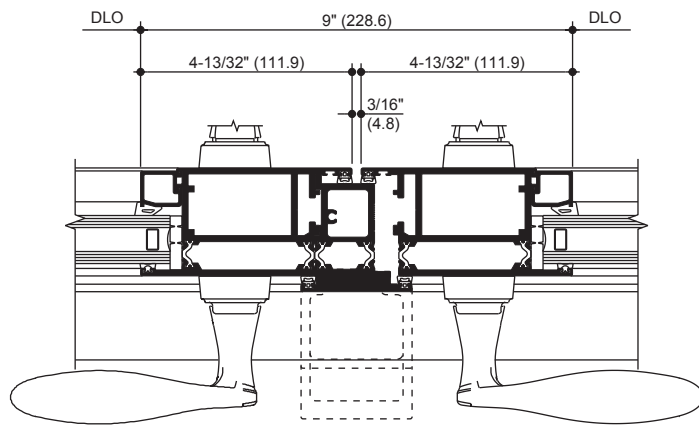
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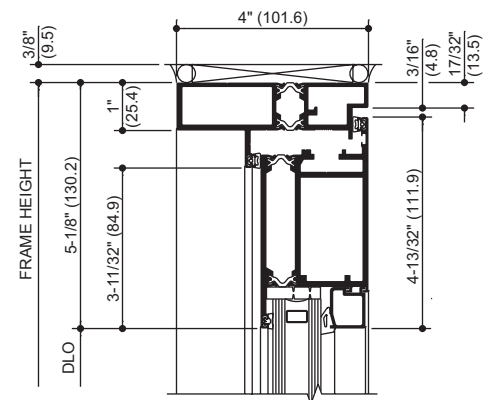
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INSWING DOORS & FRAME

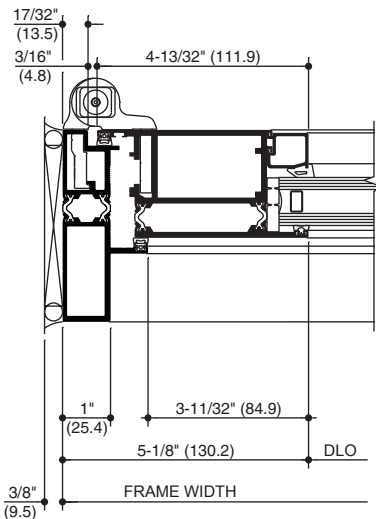
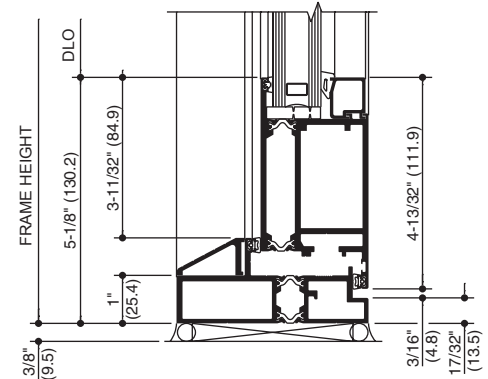


5
MEETING STILE

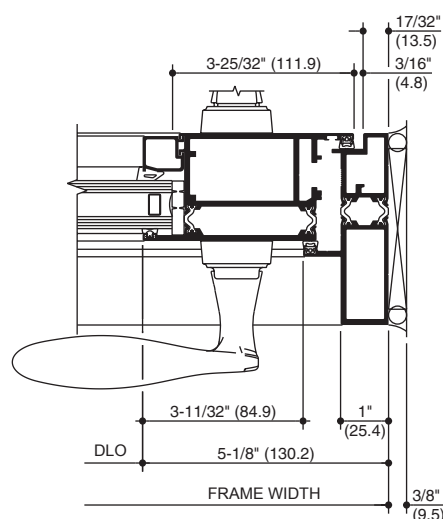
1
HEAD



2
THRESHOLD



3
PIVOT JAMB



4
LOCK JAMB
AT DEADBOLT/LATCHLOCK

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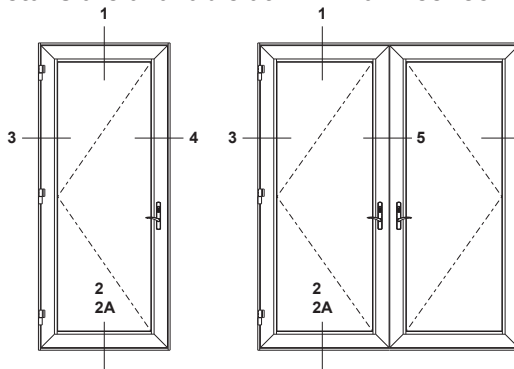
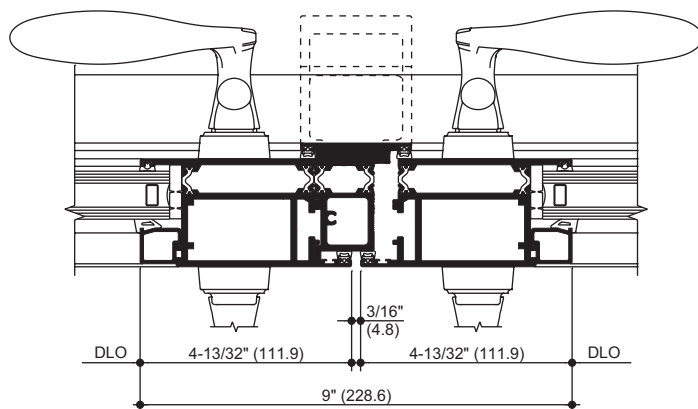
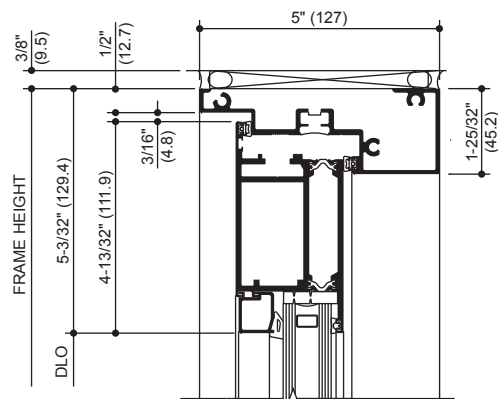
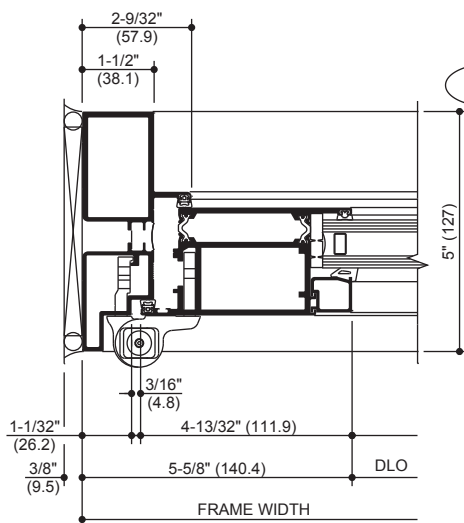
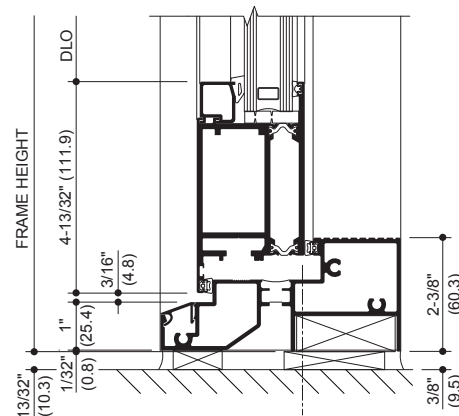
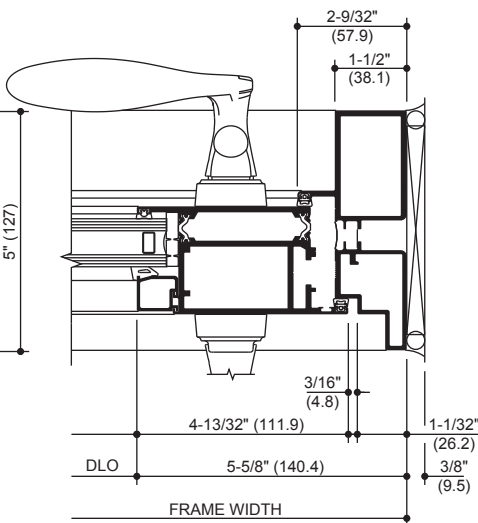
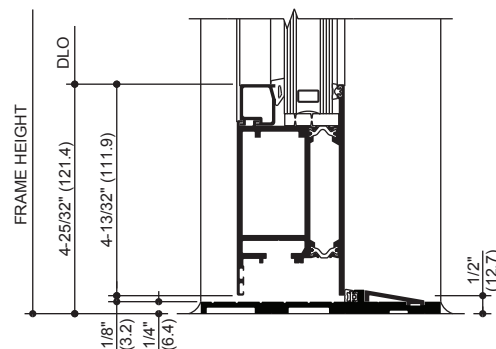
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**OUTSWING DOORS & FRAME****5 MEETING STILE****1 HEAD****2 THRESHOLD****3 PIVOT JAMB****4 LOCK JAMB
AT DEADBOLT/LATCHLOCK****2A
OPTIONAL LOW
PROFILE THRESHOLD**

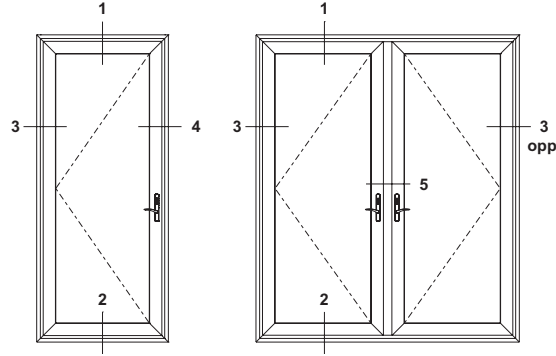
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Single Door

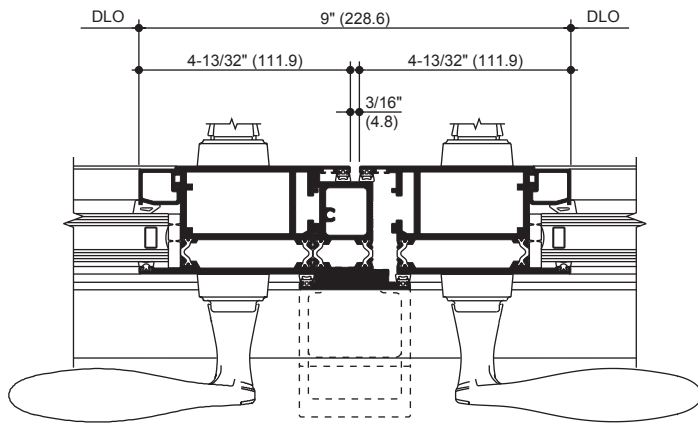
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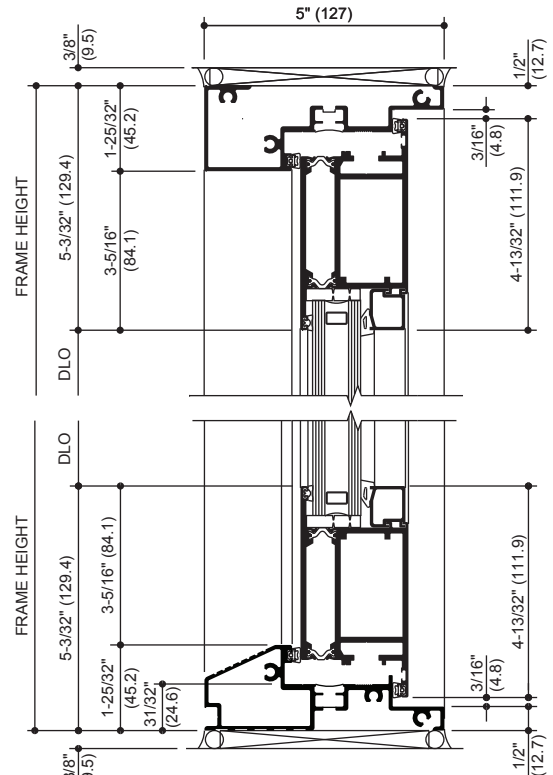


INSWING DOORS & FRAME

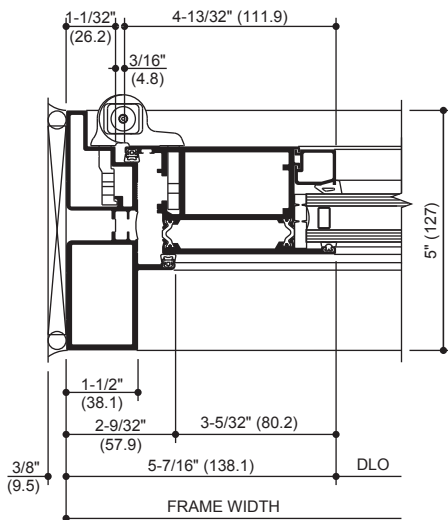


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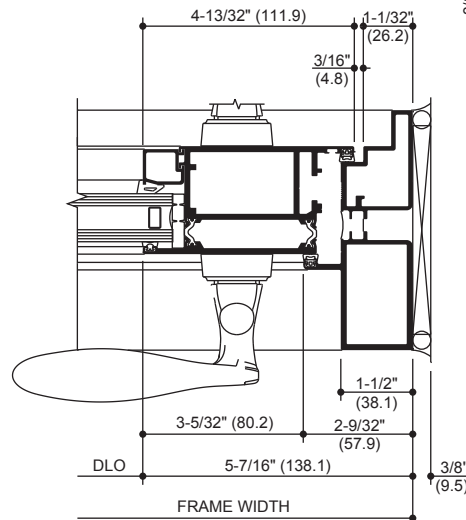
1 HEAD



2 THRESHOLD



3 PIVOT JAMB



4
LOCK JAMB
AT DEADBOLT/LATCHLOCK

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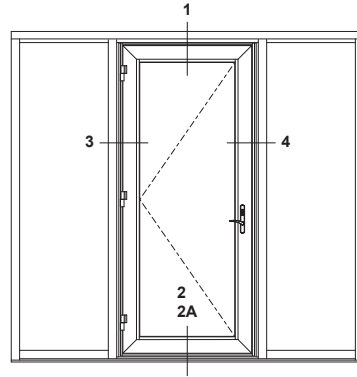
Note: For pairs reference detail 5 Meeting Stile on page 5.

Single Door

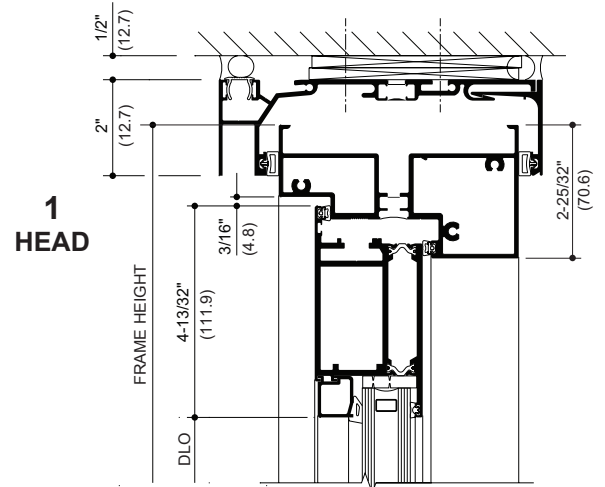
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Pair of Doors

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(2438.4 x 2438.4)
Minimum Frame Size = 60" x 81"
(1524 x 2057.4)

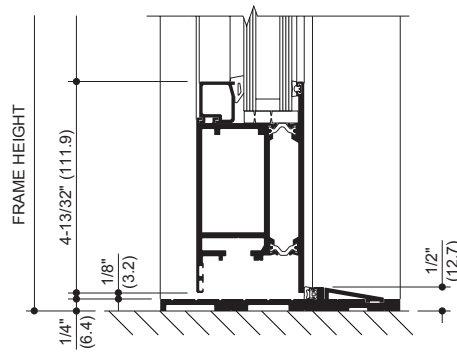


OUTSWING DOORS & FRAME

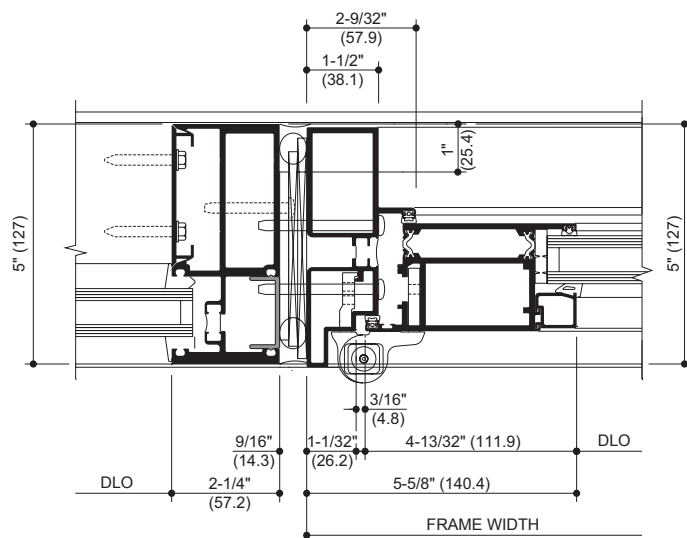
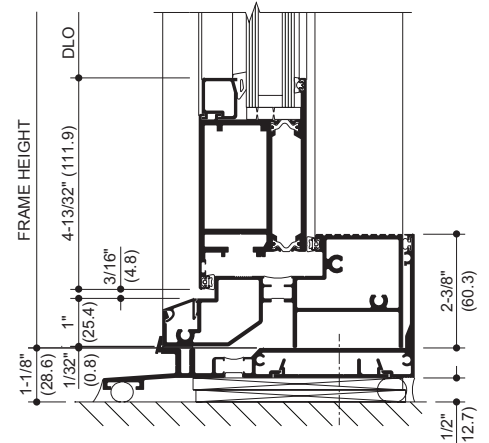


1 HEAD

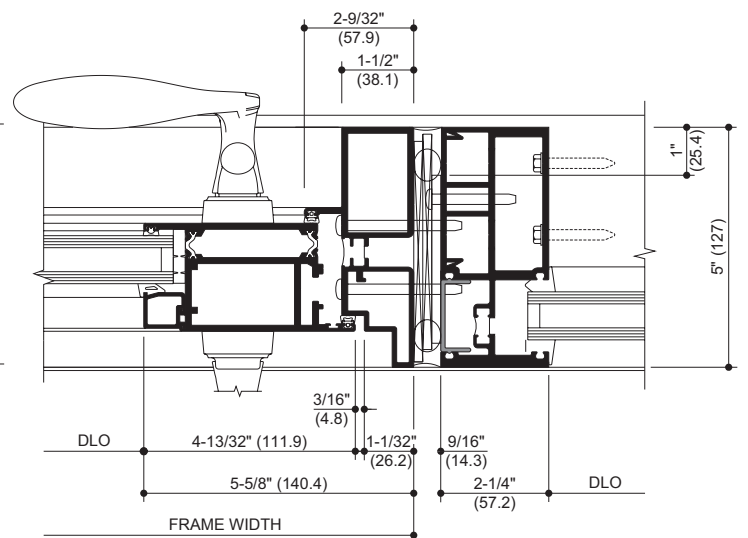
2A OPTIONAL LOW PROFILE THRESHOLD



2 THRESHOLD



**3
PIVOT JAMB**



**4
LOCK JAMB
AT DEADBOLT/LATCHLOCK**

5" (127) FRAME - OUTSWING DOOR DETAILS

EC 97911-193

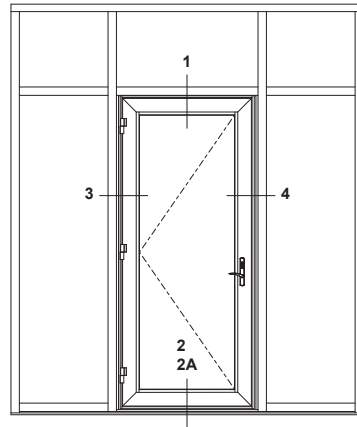
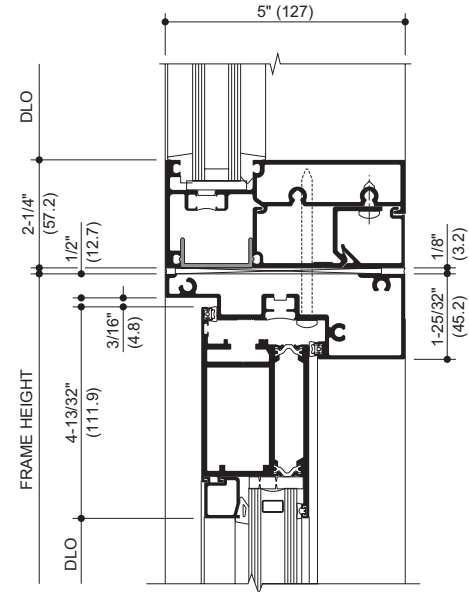
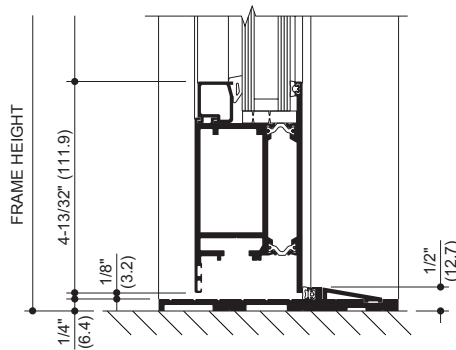
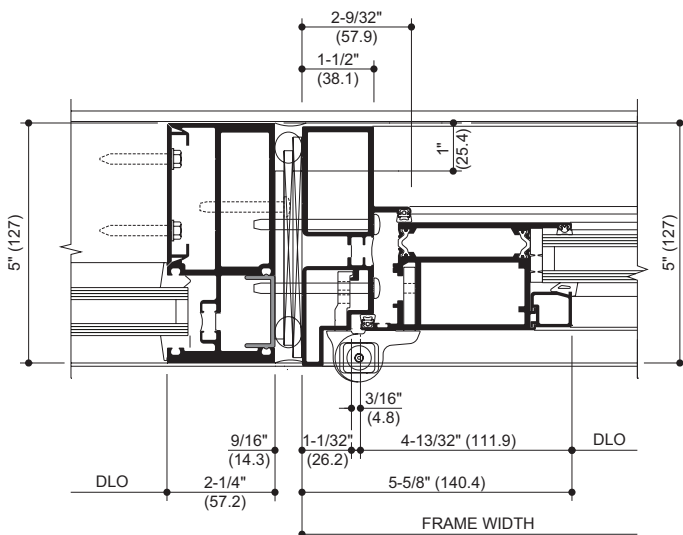
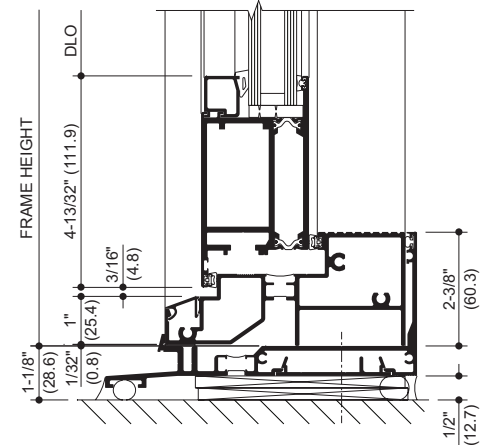
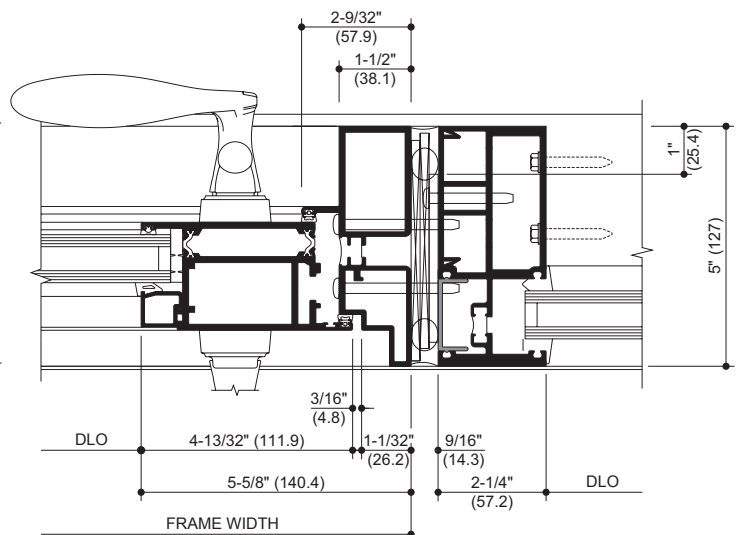
- MetroView™ FG 501T Window Wall

Additional information and CAD details are available at www.kawneer.com**Note:** For pairs reference detail 5 Meeting Stile on page 5.**Single Door**

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(762 x 1854.2)

Pair of Doors

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(2438.4 x 2438.4)
Minimum Frame Size = 60" x 81"
(1524 x 2057.4)

**1
HEAD****OUTSWING DOORS & FRAME****2A
OPTIONAL
LOW PROFILE
THRESHOLD****2
THRESHOLD****3
PIVOT JAMB****4
LOCK JAMB
AT DEADBOLT/LATCHLOCK**

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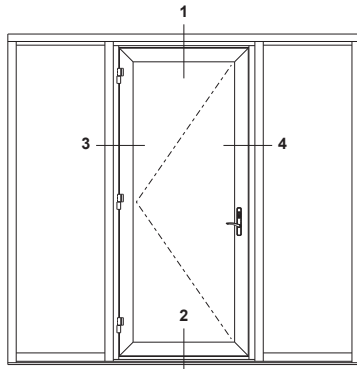
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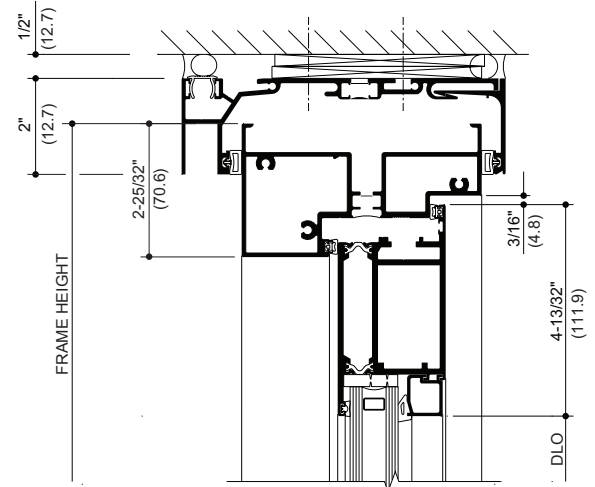
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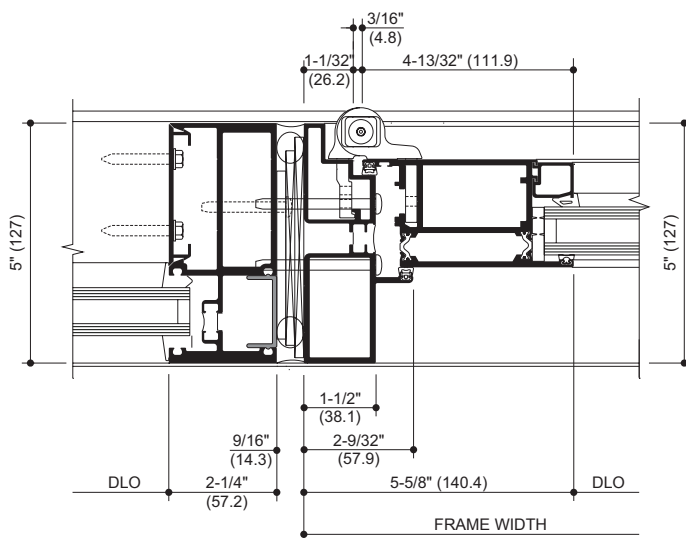
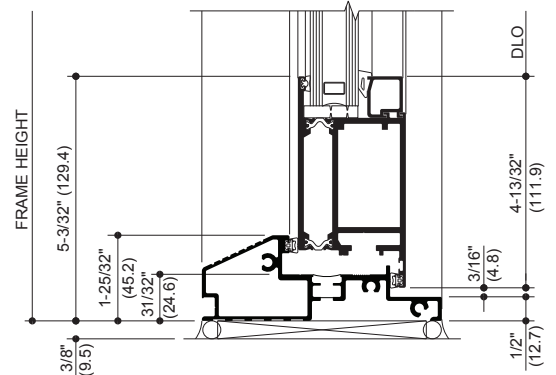


INSWING DOORS & FRAME

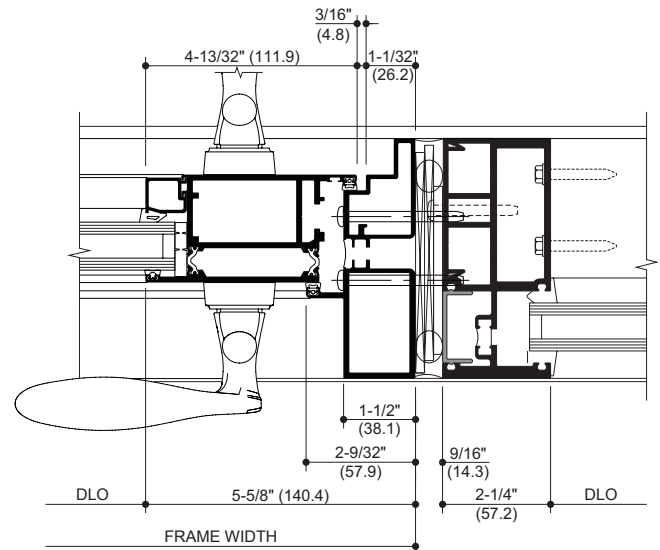
1 HEAD



2 THRESHOLD



3 PIVOT JAMB



4 LOCK JAMB AT DEADBOLT/LATCHLOCK

5" (127) FRAME - INSWING DOOR DETAILS

EC 97911-193

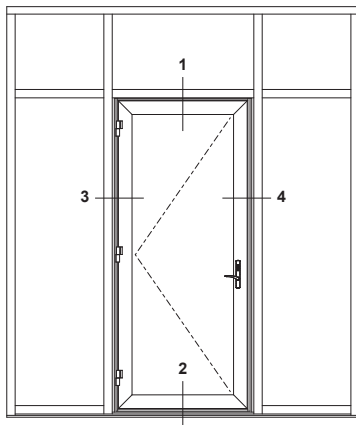
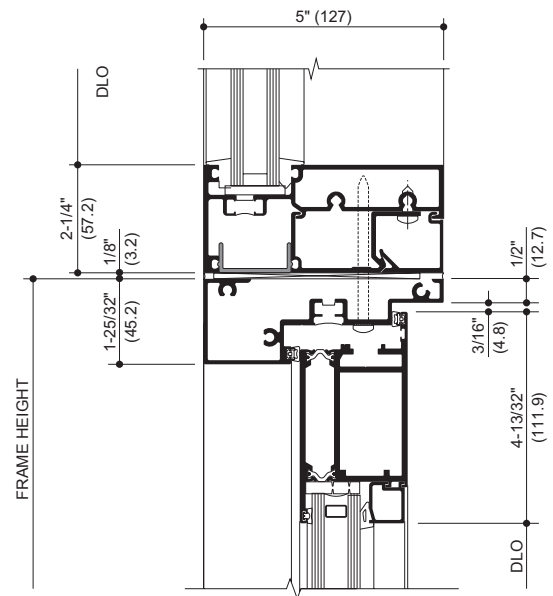
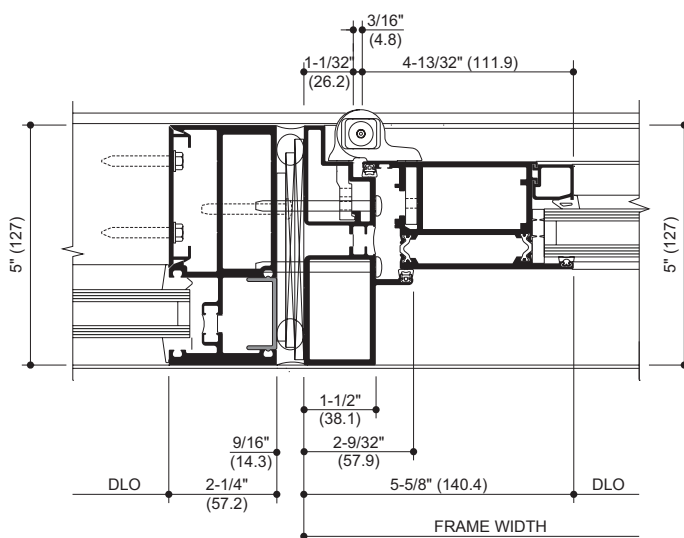
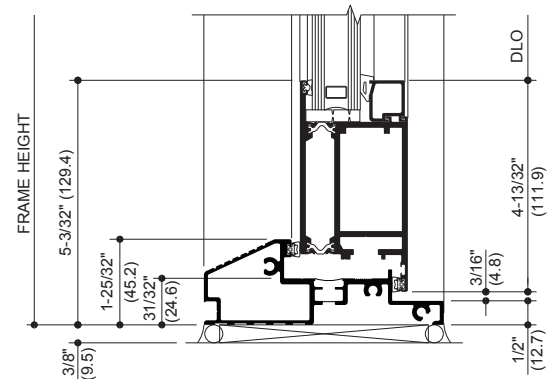
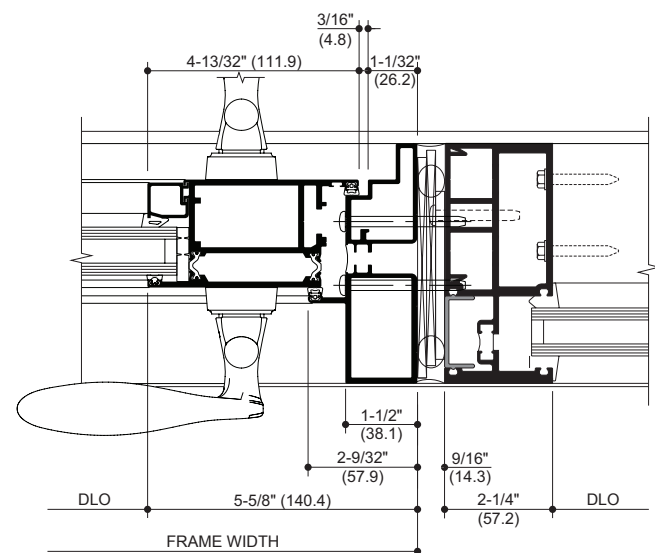
- MetroView™ FG 501T Window Wall

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Pair of Doors

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Minimum Frame Size = 60" x 81"
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**INSWING DOORS & FRAME****1
HEAD****2
THRESHOLD****3
PIVOT JAMB****4
LOCK JAMB
AT DEADBOLT/LATCHLOCK**

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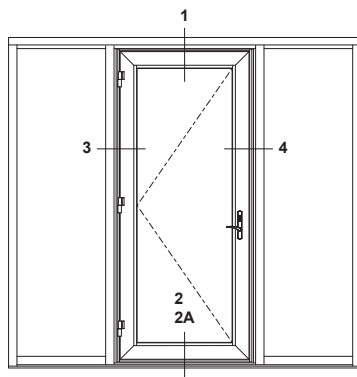
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Single Door

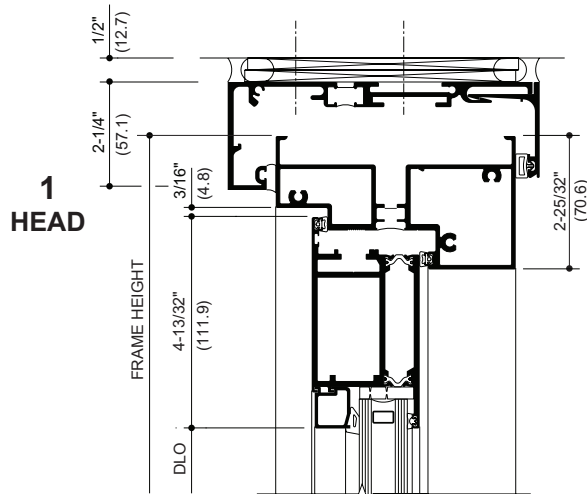
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Pair of Doors

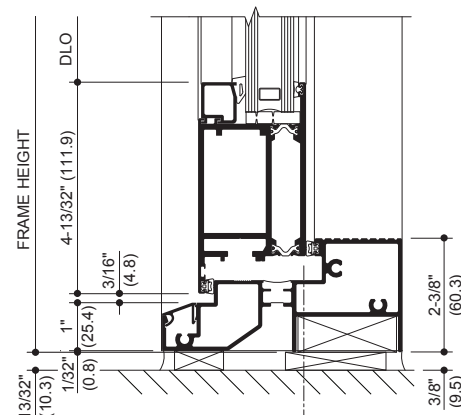
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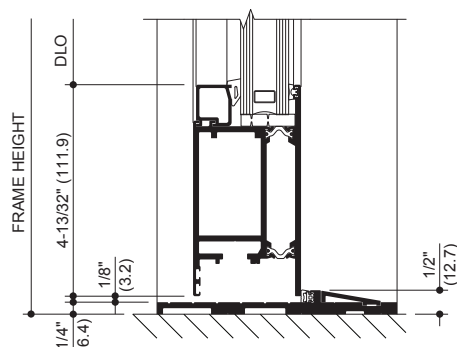
OUTSWING DOORS & FRAME



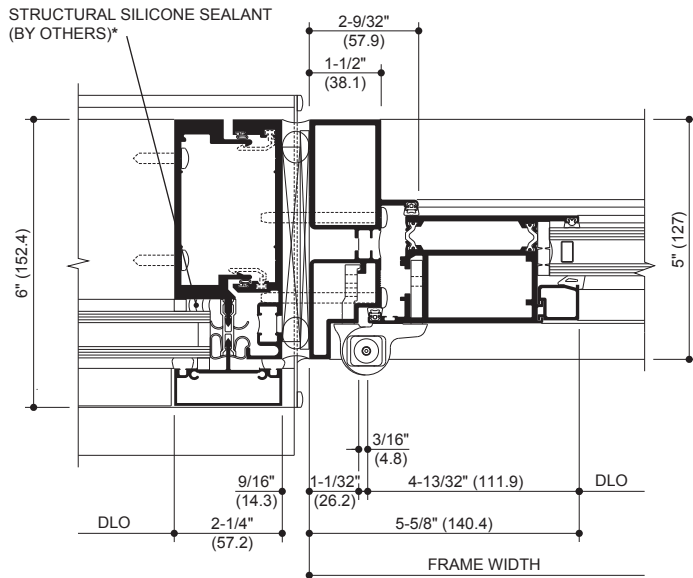
2 THRESHOLD



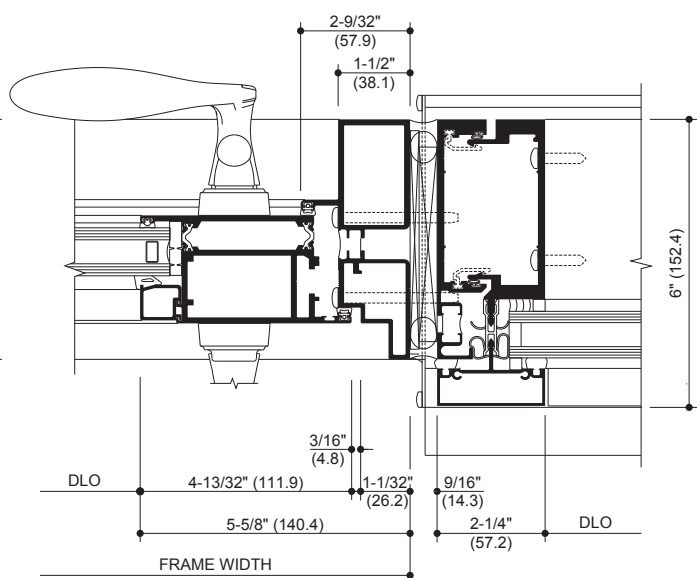
2A OPTIONAL LOW PROFILE THRESHOLD



STRUCTURAL SILICONE SEALANT
(BY OTHERS)*



3 PIVOT JAMB



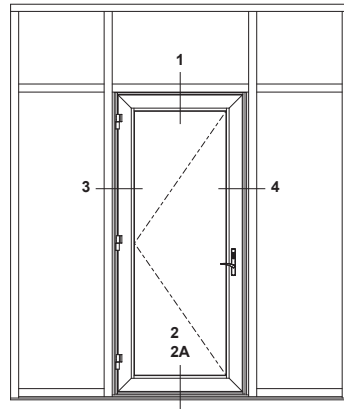
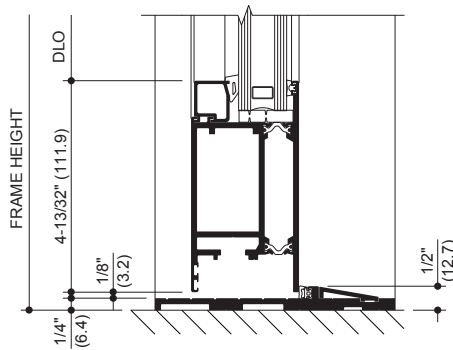
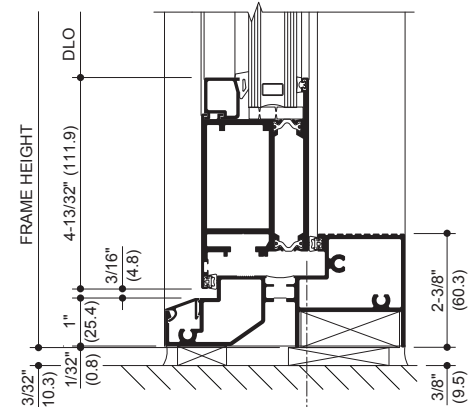
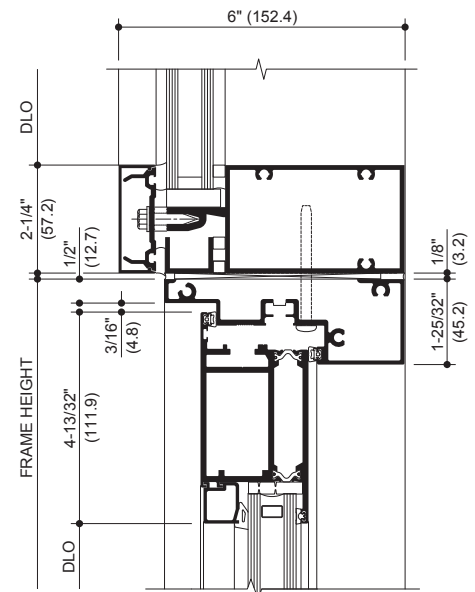
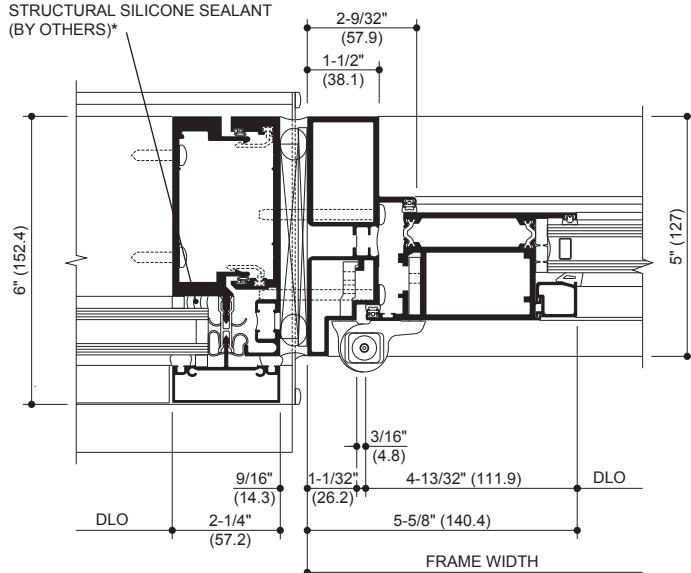
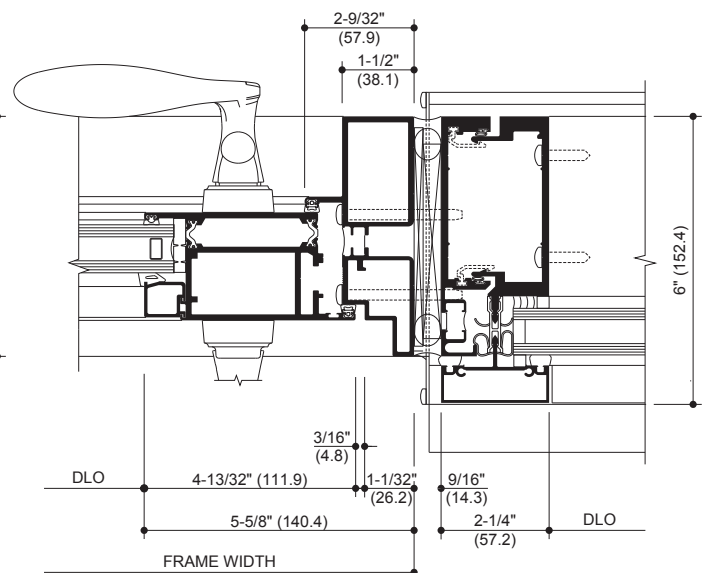
4 LOCK JAMB AT DEADBOLT/LATCHLOCK

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

5" (127) FRAME - OUTSWING DOOR DETAILS

EC 97911-193

- MetroView™ FG 601T PG Window Wall

Additional information and CAD details are available at www.kawneer.com**Note:** For pairs reference detail 5 Meeting Stile on page 5.**Single Door**Maximum Frame Size = 48" x 120"
(1219.2 x 3048)Minimum Frame Size = 30" x 73"
(762 x 1854.2)**Pair of Doors**Maximum Frame Size = 96" x 96"
(2438.4 x 2438.4)Minimum Frame Size = 60" x 81"
(1524 x 2057.4)**1
HEAD****OUTSWING DOORS & FRAME****2A
OPTIONAL
LOW PROFILE
THRESHOLD****2
THRESHOLD**STRUCTURAL SILICONE SEALANT
(BY OTHERS)***3****PIVOT JAMB****4****LOCK JAMB
AT DEADBOLT/LATCHLOCK**

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

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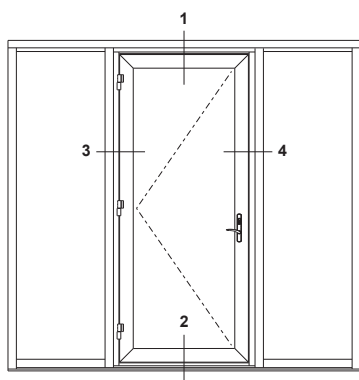
Note: For pairs reference detail 5 Meeting Stile on page 6.

Single Door

Maximum Frame Size = 48" x 120"
(1219.2 x 3048)
Minimum Frame Size = 30" x 73"
(762 x 1854.2)

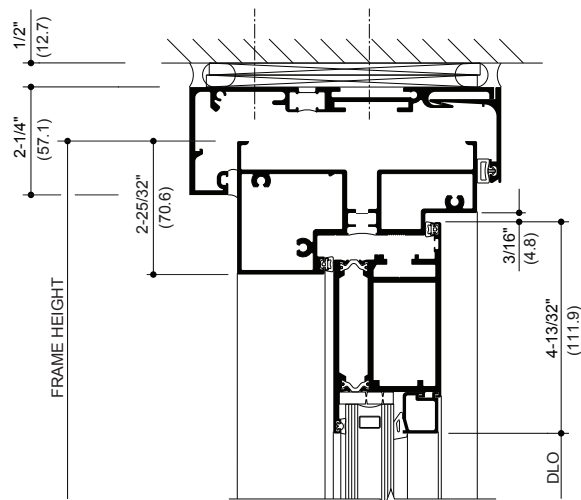
Pair of Doors

Maximum Frame Size = 96" x 96"
(2438.4 x 2438.4)
Minimum Frame Size = 60" x 81"
(1524 x 2057.4)

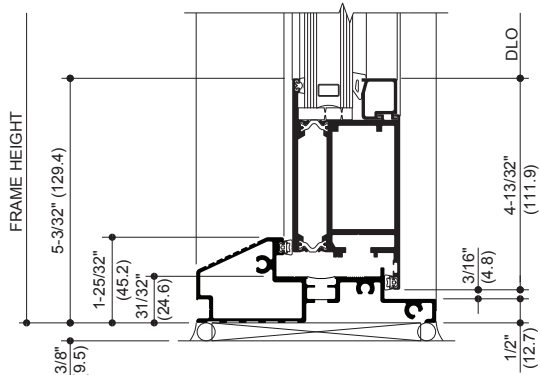


INSWING DOORS & FRAME

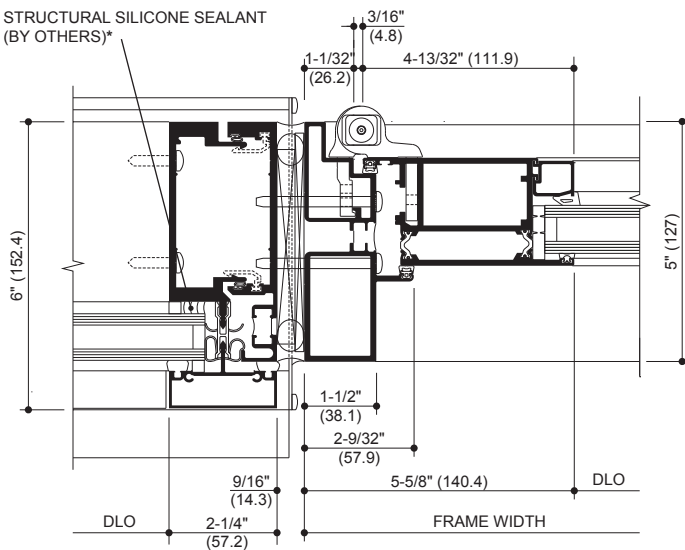
1 HEAD



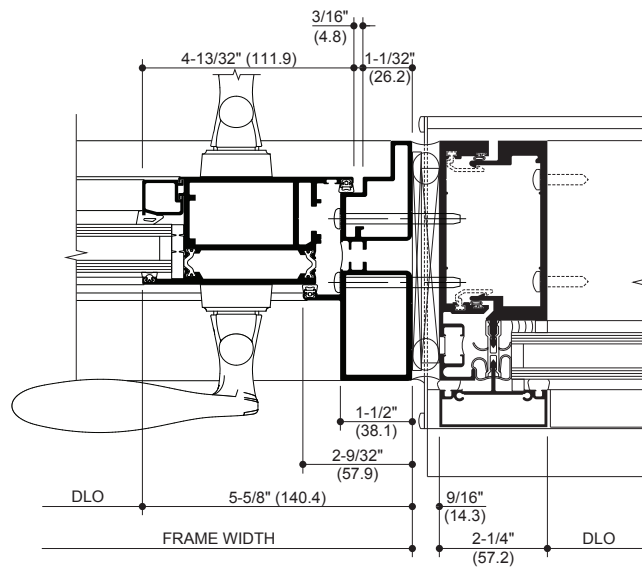
2 THRESHOLD



STRUCTURAL SILICONE SEALANT
(BY OTHERS)*



3 PIVOT JAMB



4 LOCK JAMB AT DEADBOLT/LATCHLOCK

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

5" (127) FRAME - INSWING DOOR DETAILS

EC 97911-193

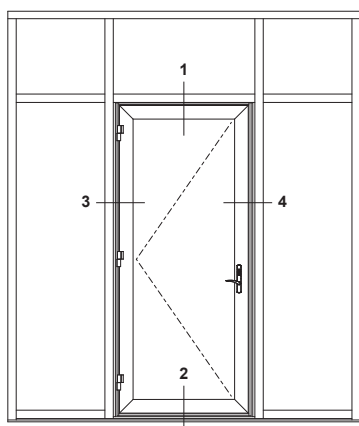
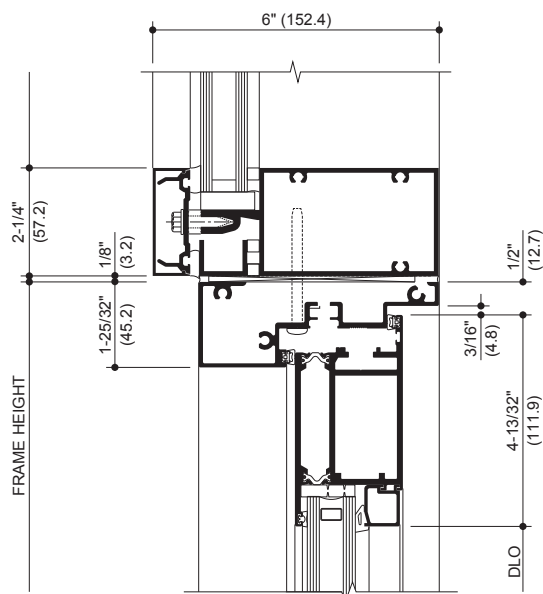
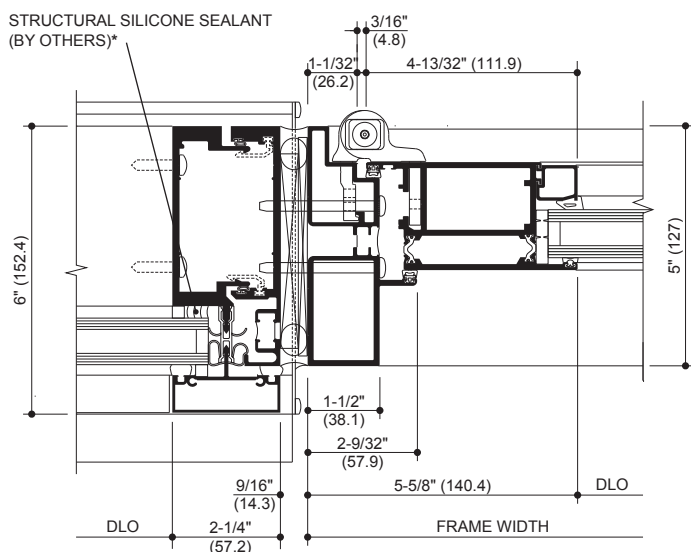
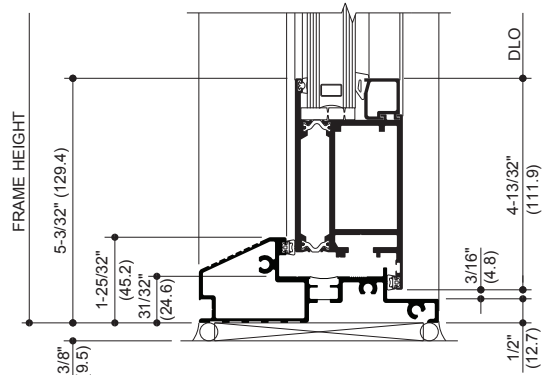
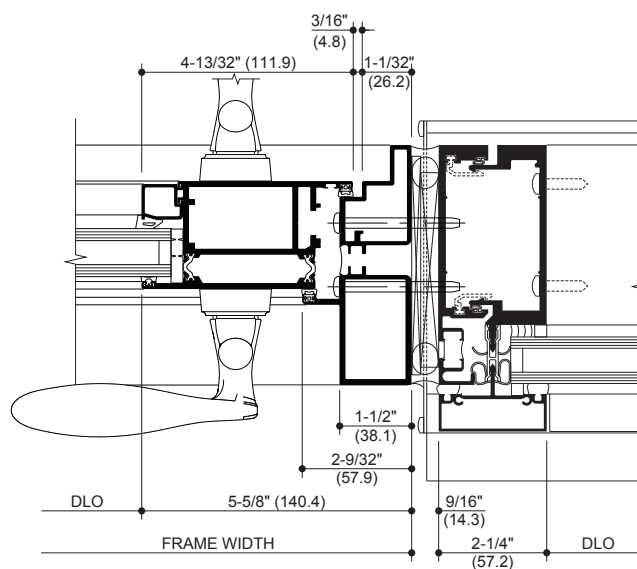
- MetroView™ FG 601T PG Window Wall

Additional information and CAD details are available at www.kawneer.com**Note:** For pairs reference detail 5 Meeting Stile on page 6.**Single Door**

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Pair of Doors

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(2438.4 x 2438.4)
Minimum Frame Size = 60" x 81"
(1524 x 2057.4)

**INSWING DOORS & FRAME****1
HEAD****2
THRESHOLD****3****PIVOT JAMB****4****LOCK JAMB
AT DEADBOLT/LATCHLOCK**STRUCTURAL SILICONE SEALANT
(BY OTHERS)*

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5" (127)

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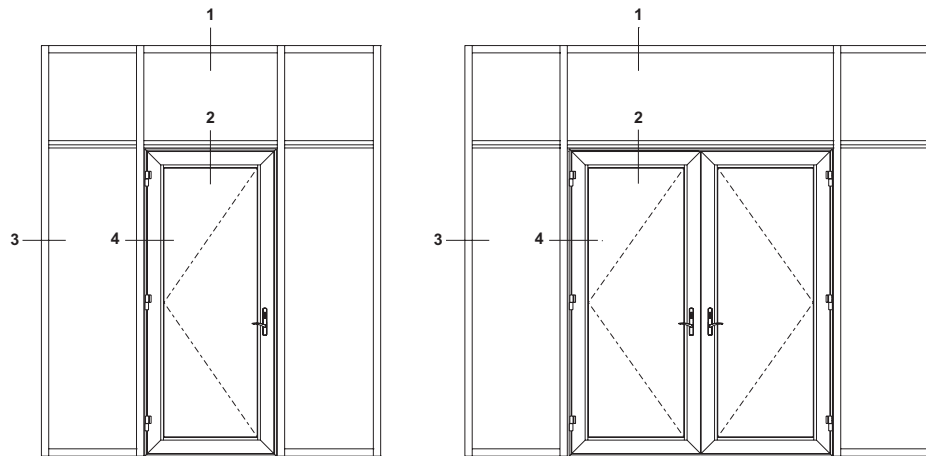
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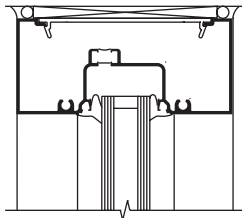
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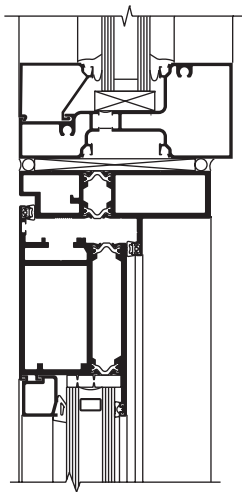


OUTSWING DOORS & FRAME
TRIFAB 451T FRAME SHOWN

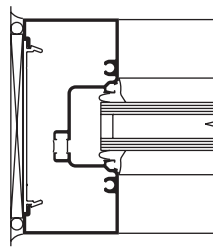
1
TRANSOM HEAD



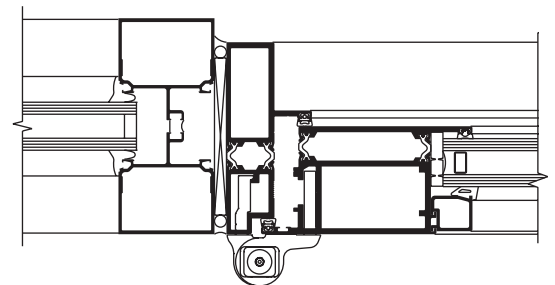
2
TRANSOM BAR



3
SIDELITE JAMB



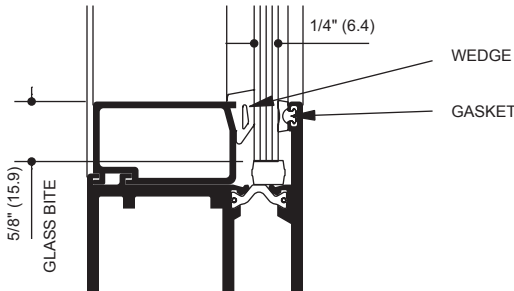
4
DOOR JAMB



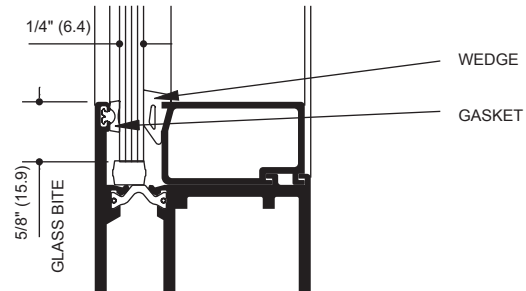
Laws and building and safety codes governing the design and use of glazed entrance, window, and curtain wall products vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

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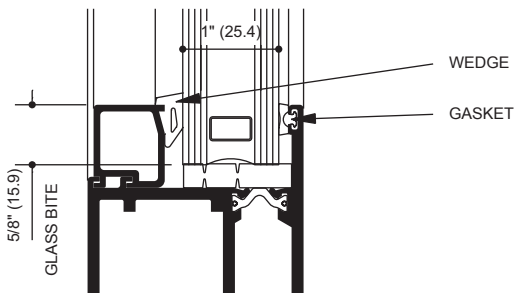
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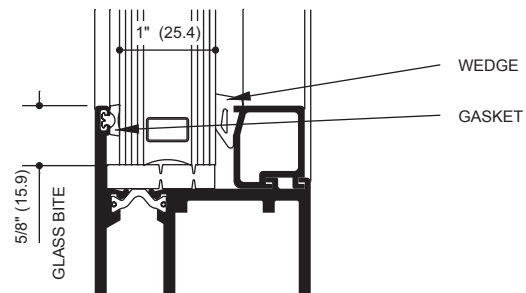
**1/4" (6.4) INFILL
OUTSWING DOOR**



**1/4" (6.4) INFILL
INSWING DOOR**

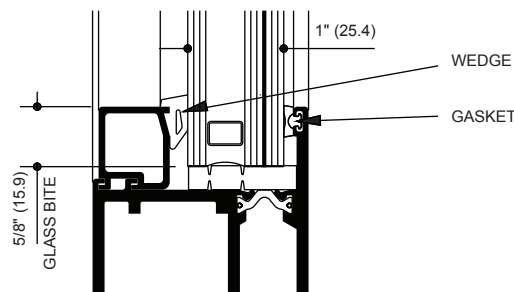


**1" (25.4) INFILL
OUTSWING DOOR**

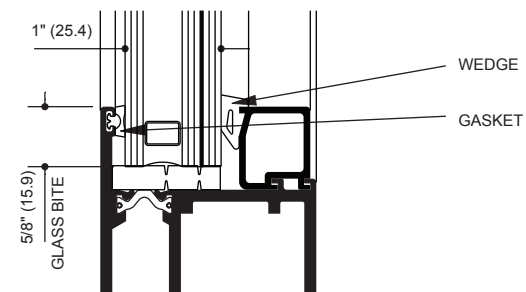


**1" (25.4) INFILL
INSWING DOOR**

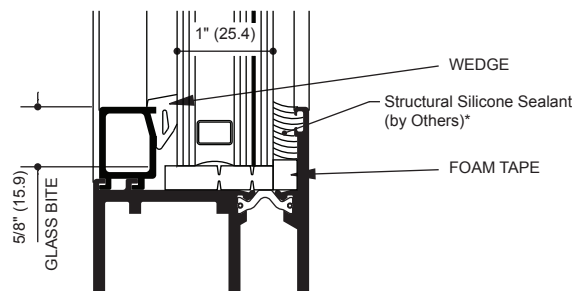
1/4" (6.4) and 1" (25.4) infills shown, other infills available.



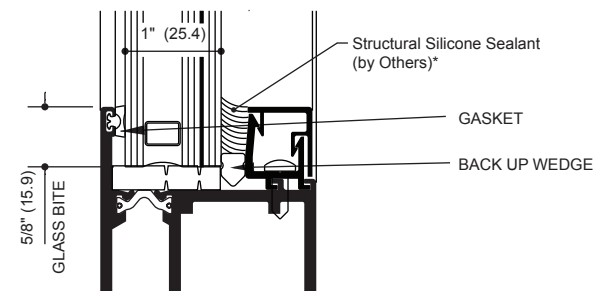
**1" (25.4) INFILL
SMI ≤ 90 PSF / LMI ≤ 70 PSF
OUTSWING DOOR**



**1" (25.4) INFILL
SMI ≤ 90 PSF / LMI ≤ 70 PSF
INSWING DOOR**



**1" (25.4) INFILL
LMI OVER 70 PSF UP TO 90 PSF
OUTSWING DOOR**

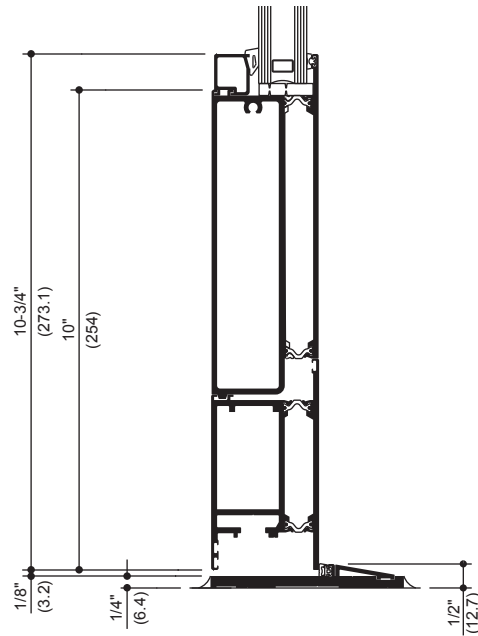
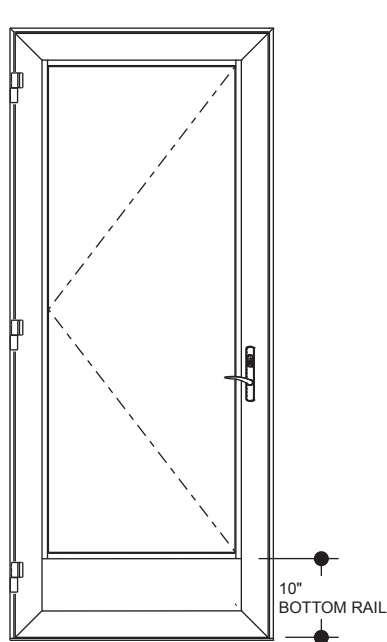


**1" (25.4) INFILL
LMI OVER 70 PSF UP TO 90 PSF
INSWING DOOR**

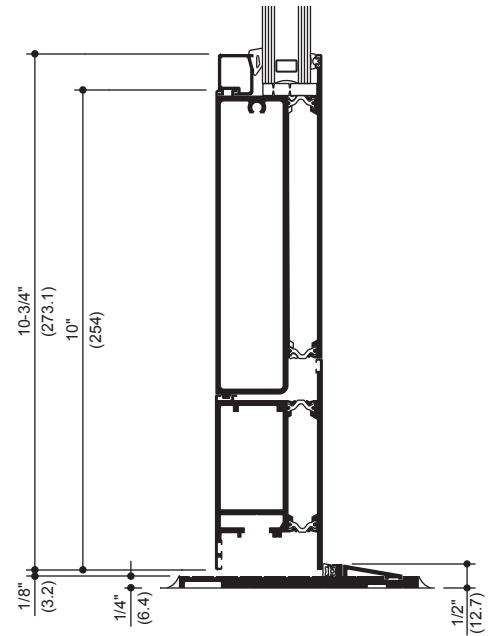
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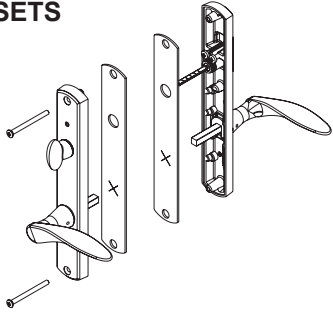


**1" (25.4) INFILL
4" (101.6) FRAME LOW PROFILE
THRESHOLD WITH
10" (254) BOTTOM RAIL**

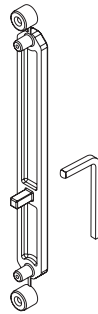


**1" (25.4) INFILL
5" (127) FRAME LOW PROFILE
THRESHOLD WITH
10" (254) BOTTOM RAIL**

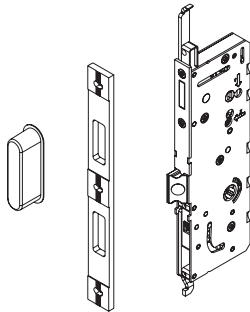
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MULTIPOINT LOCK - HLS® 7 SERIES (Hoppe)**7 SERIES TRIM SETS**

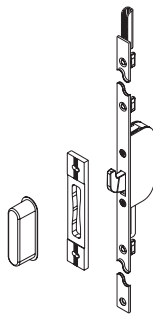
Contemporary Rodos style solid brass lever handle and escutcheon plate. Available in three finishes Polished Brass, Brushed Chrome and Rustic Umber. Includes keyed cylinder and thumbturn.

CONSTRUCTION HANDLE AND 7 SERIES BACK PLATE

Trim sets are shipped loose to avoid damage during construction. The construction handle and construction plate allow temporary operation of the locking hardware.

7 SERIES LATCHLOCK/ DEADBOLT GEARBOX

Egress style of lock function. Stainless steel gearbox provides both a latchlock for normal use and deadbolt for additional security. Lock strike plates are stainless steel and adjustable. Each includes an injection molded plastic dust box. Simultaneous retraction feature enables all locking points to be retracted by pushing down on the handle.

SWINGHOOK

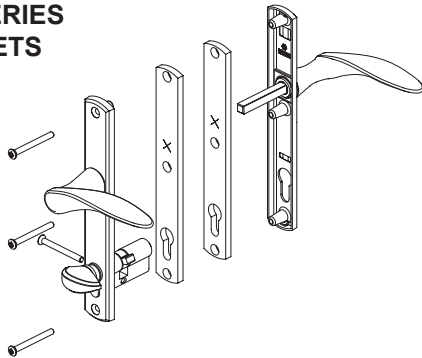
Swinghooks provide additional locking points along the vertical edge of the door leaf. Lockstrikes are stainless steel and adjustable. Each includes an injection molded plastic dust box.

SHOOT BOLT AND SLEEVE

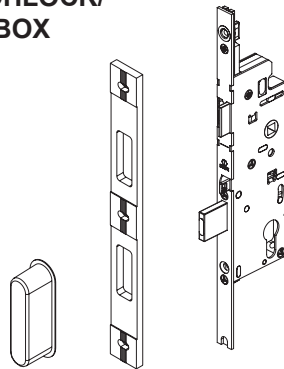
Top and bottom stainless steel shoot bolts secure the active and inactive leaf of pairs to the top frame member and threshold.

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 the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

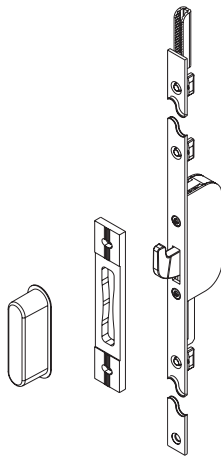
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MULTIPOINT LOCK - HLS® 9000 SERIES (Hoppe)**9000 SERIES
TRIM SETS**

Contemporary Rodos style solid brass lever handle and escutcheon plate. Available in three finishes Polished Brass, Brushed Chrome and Rustic Umber. Includes keyed cylinder and thumbturn.

**9000 SERIES LATCHLOCK/
DEADBOLT GEARBOX**

Two step lock function. Stainless steel gearbox provides both a latchlock for normal use and deadbolt for additional security. Lock strike plates are stainless steel and adjustable. Each includes an injection molded plastic dust box.

SWINGHOOK

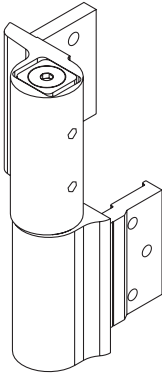
Swinghooks provide additional locking points along the vertical edge of the door leaf. Lockstrikes are stainless steel and adjustable. Each includes an injection molded plastic dust box.

SHOOT BOLT AND SLEEVE

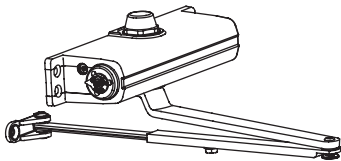
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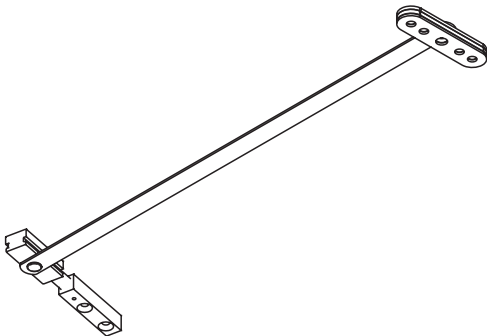
ADJUSTABLE BUTT HINGE

Aluminum 3-way adjustable hinges improve alignment between door leaf and frame. Hinges adjust in and out, up and down and left to right without removing the door leaf. Available in clear and dark bronze anodized finishes or painted to match door leaf.

SURFACE APPLIED CLOSER

Door and frame will accommodate LCN 1260 surface mounted closer and drop plate.

Note: Closer is mounted on exterior side of frame with inswing door.

DOOR STOP

Stainless steel door stop assemblies are concealed in the top rail of the door leaf.

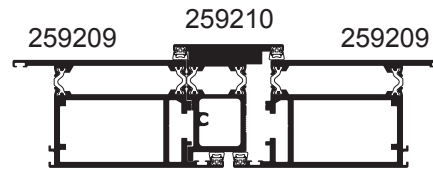
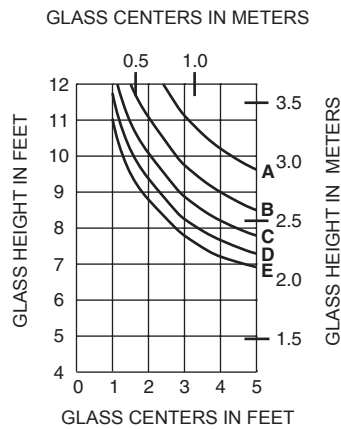
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WIND LOAD LIMITATIONS

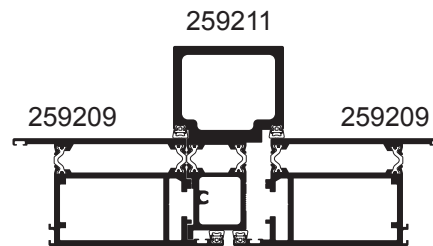
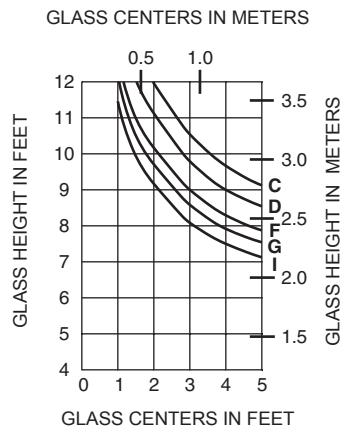
Charted wind load curves are based on allowable stress for aluminum of 15,152 PSI and a L/175 deflection ratio and, in all cases represent the limiting values. Dimensional limits at the stated wind loads are for door frame members anchored at the ends. Wind load charts contained herein are based upon nominal wind load utilized in allowable stress design. To convert ultimate wind loads to nominal loads, multiply ultimate wind loads by a factor of 0.6 per ASCE/SEI 7.

SMALL ASTRAGAL

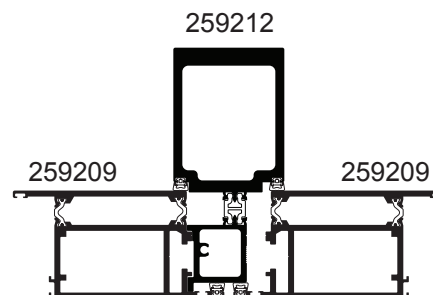
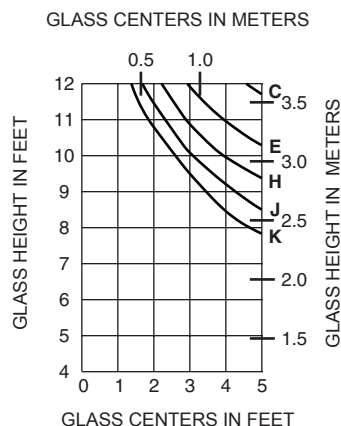


- A = 20 PSF (960)
- B = 30 PSF (1440)
- C = 40 PSF (1920)
- D = 50 PSF (2400)
- E = 60 PSF (2880)
- F = 65 PSF (3120)
- G = 75 PSF (3600)
- H = 80 PSF (3830)
- I = 90 PSF (4310)
- J = 100 PSF (4790)
- K = 120 PSF (5750)

MEDIUM ASTRAGAL



LARGE ASTRAGAL

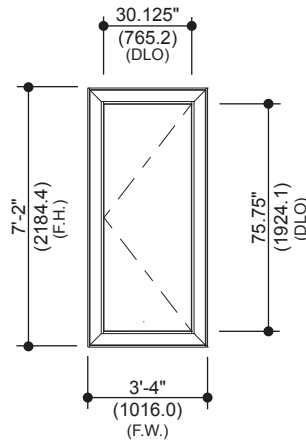


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Generic Project Specific U-factor Example Calculation
(Percent of Glass will vary on specific products depending on sitelines)



Note: 2000T Terrace Door outswing shown for example.

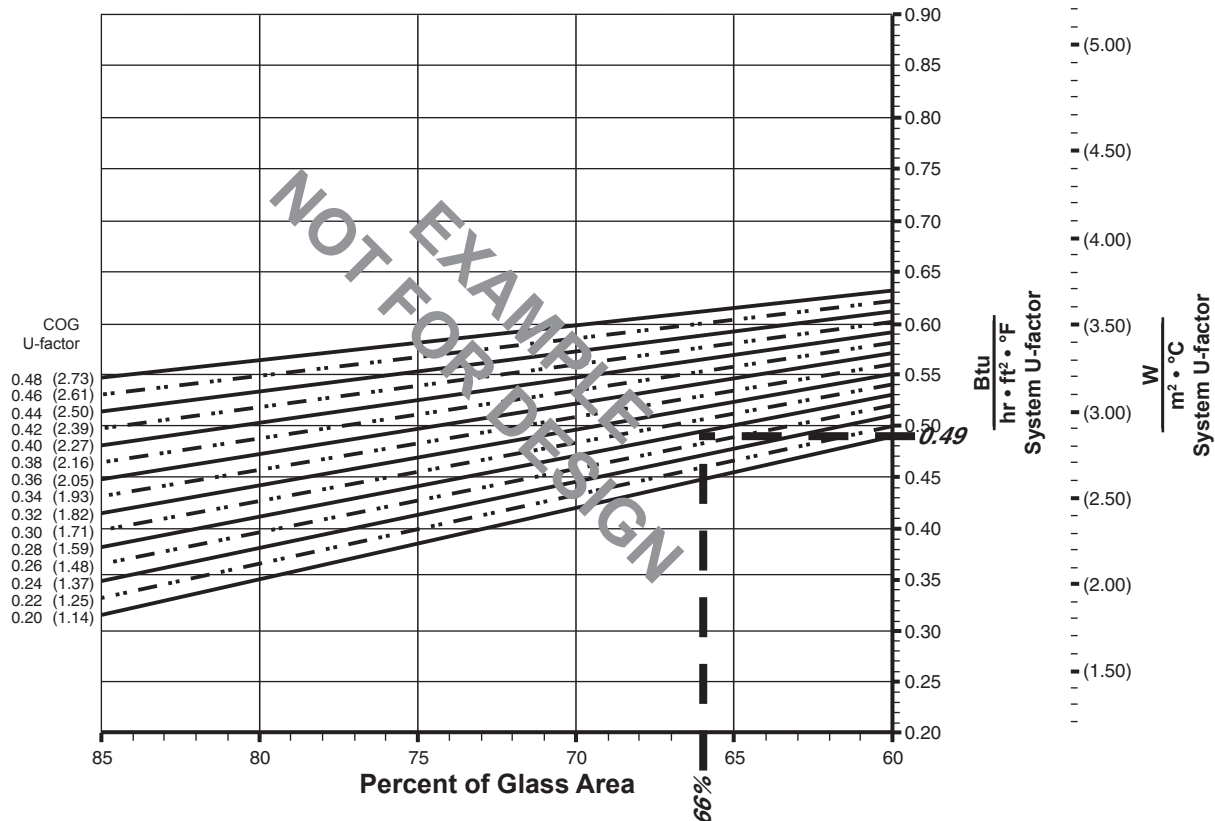
Example Glass U-Factor = 0.28 Btu/hr • ft² • °F

Total Daylight Opening = 30.125" x 75.75" = 15.85 ft²

Total Projected Area = 3'-4" x 7'-2" = 23.9 ft²

Percent of Glass = (Total Daylight Opening ÷ Total Projected Area)100
 = (15.85 ÷ 23.9)100 = 66%

System U-factor vs Percent of Glass Area



Based on 66% glass and center of glass (COG) U-factor of 0.28
 System U-factor is equal to 0.49 Btu/hr • ft² • °F

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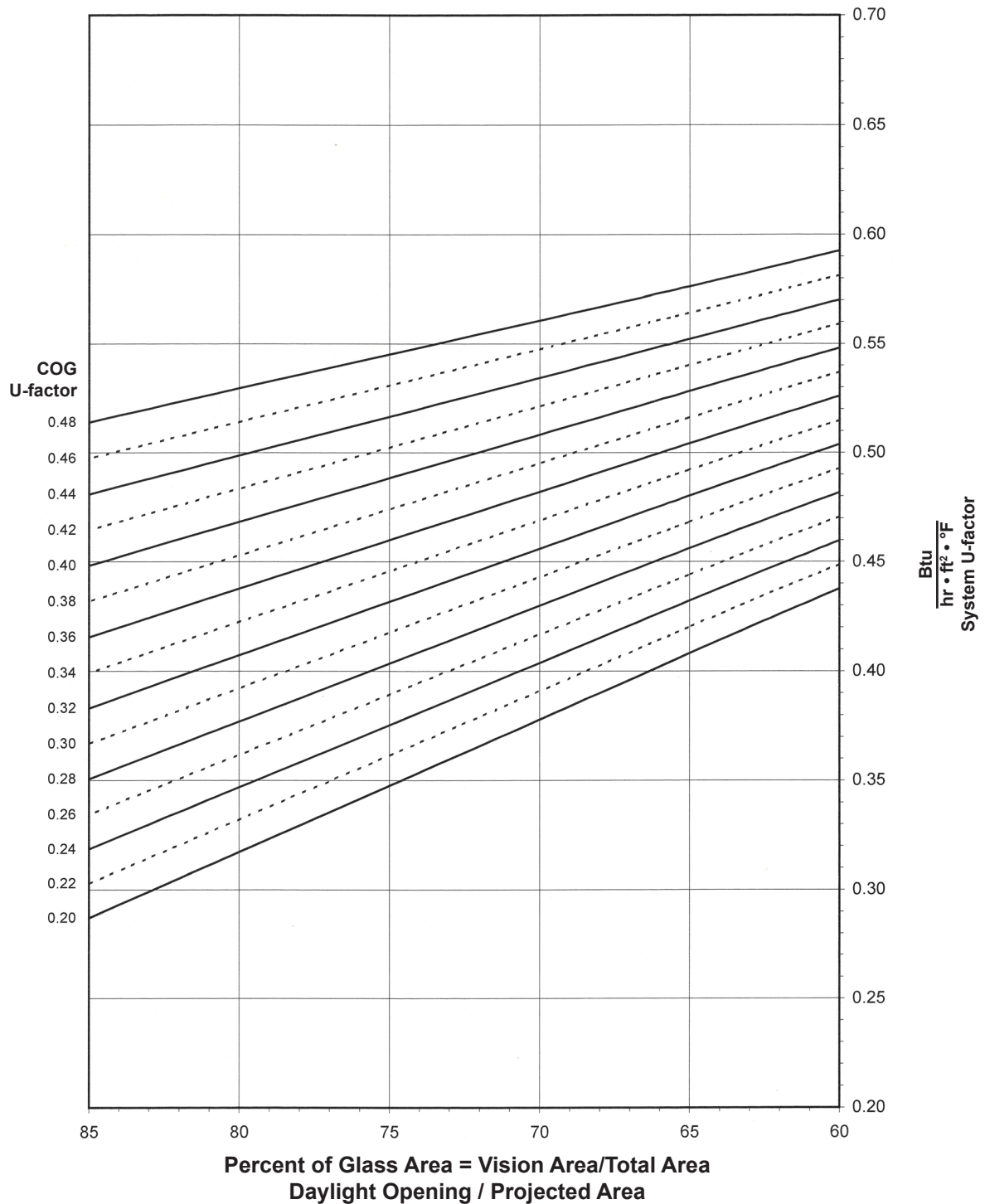
2000T TERRACE DOOR - SINGLE LEAF

Note:

Values in parentheses are metric.

COG = Center of Glass.

Charts are generated per AAMA 507

System U-factor vs Percent of Glass Area**Notes for System U-factor, SHGC and VT charts:**

For glass values that are not listed, linear interpolation is permitted.

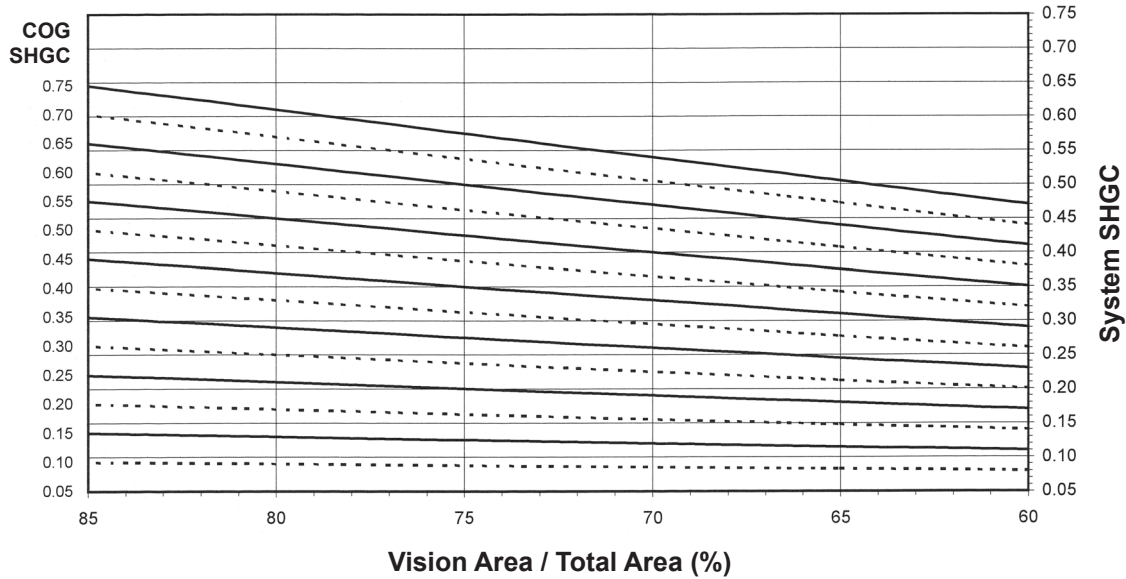
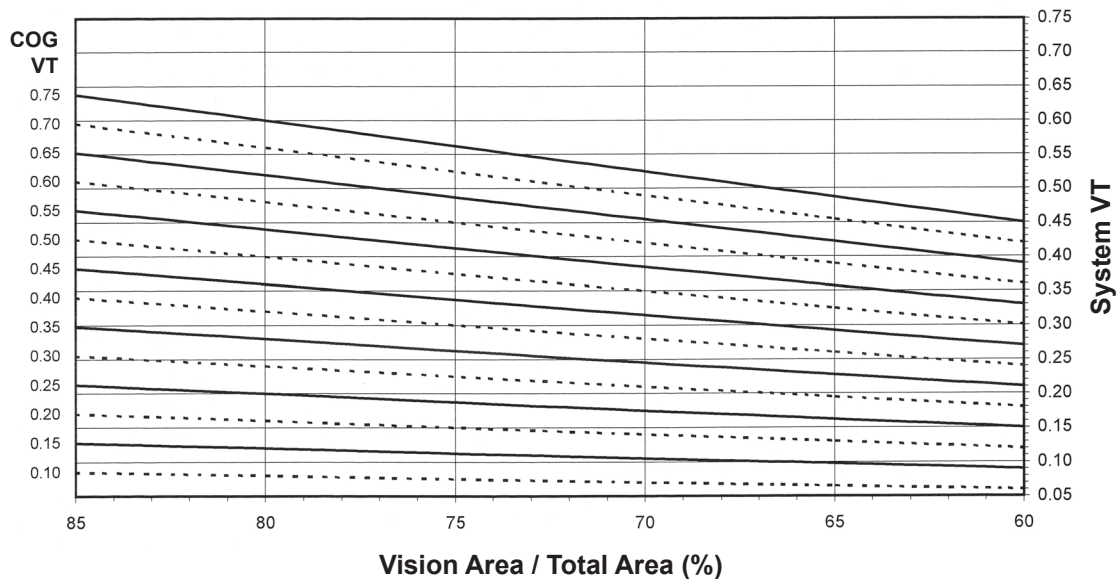
Glass properties are based on center of glass values and are obtained from your glass supplier.

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 the selection of 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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2000T TERRACE DOOR - SINGLE LEAF

System Solar Heat Gain Coefficient (SHGC) vs Percent of Vision AreaSystem Visible Transmittance (VT) vs Percent of Vision Area

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Thermal Transmittance ¹ (BTU/hr • ft² • °F)

Glass U-Factor ³	Overall U-Factor ⁴
0.48	0.58
0.46	0.56
0.44	0.55
0.42	0.54
0.40	0.53
0.38	0.52
0.36	0.50
0.34	0.49
0.32	0.48
0.30	0.47
0.28	0.46
0.26	0.44
0.24	0.43
0.22	0.42
0.20	0.41

**2000T TERRACE DOOR
SINGLE LEAF**

NOTE: For glass values that are not listed, linear interpolation is permitted.

1. U-Factors are determined in accordance with NFRC 100.
2. SHGC and VT values are determined in accordance with NFRC 200.
3. Glass properties are based on center of glass values and are obtained from your glass supplier.
4. Overall U-Factor, SHGC, and VT Matrices are based on the standard NFRC specimen size of 1,000 mm wide by 2,000 mm high (39-3/8" by 78-3/4").

SHGC Matrix ²

Glass SHGC ³	Overall SHGC ⁴
0.75	0.51
0.70	0.47
0.65	0.44
0.60	0.41
0.55	0.38
0.50	0.34
0.45	0.31
0.40	0.28
0.35	0.25
0.30	0.21
0.25	0.18
0.20	0.15
0.15	0.12
0.10	0.08
0.05	0.05

Visible Transmittance ²

Glass VT ³	Overall VT ⁴
0.75	0.49
0.70	0.46
0.65	0.42
0.60	0.39
0.55	0.36
0.50	0.33
0.45	0.29
0.40	0.26
0.35	0.23
0.30	0.20
0.25	0.16
0.20	0.13
0.15	0.10
0.10	0.07
0.05	0.03

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