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
- Egress type lock for applications where a panic feature is required
- 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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4" (101.6) FRAME - OUTSWING DOOR DETAILS ..............................5
4" (101.6) FRAME - INSWING DOOR DETAILS ..............................6
5" (127) FRAME - OUTSWING DOOR DETAILS ..............................7
5" (127) FRAME INSWING DOOR DETAILS .................................8
5" (127) FRAME - OUTSWING DOOR DETAILS
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5" (127) FRAME - INSWING DOOR DETAILS
- MetroView™ FG 501T Window Wall ......................................11, 12
5" (127) FRAME - OUTSWING DOOR DETAILS
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STANDARD GLAZING OPTIONS AND
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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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SCALE 3" = 1' 0"

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)
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Inswing Doors & Frame
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OUTSWING DOORS & FRAME

1 HEAD

5 MEETING STILE

3 PIVOT JAMB

4 LOCK JAMB AT DEADBOLT/LATCHLOCK

2A OPTIONAL LOW PROFILE THRESHOLD

2000T Terrace Doors
5" (127) FRAME - OUTSWING DOOR DETAILS

FRAME HEIGHT

FRAME WIDTH

THRESHOLD

DLO

MEETING STILE

PIVOT JAMB

LOCK JAMB AT DEADBOLT/LATCHLOCK

OUTSWING DOORS & FRAME

2A OPTIONAL LOW PROFILE THRESHOLD

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SCALE 3" = 1' 0"

INSWING DOORS & FRAME

Frame Width

1. HEAD

2. THRESHOLD

3. PIVOT JAMB AT DEADBOLT/LATCHLOCK

4. LOCK JAMB

5. MEETING STILE

Single Door

Maximum Frame Size = 48" x 120"
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SCALE 3" = 1' 0"

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)
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OUTSWING DOORS & FRAME

2A OPTIONAL LOW PROFILE THRESHOLD

Pivot Jamb
Max Frame Width = 48" (1219.2)
Min Frame Width = 30" (762)

Lock Jamb
Max Frame Width = 48" (1219.2)
Min Frame Width = 30" (762)

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Minimum Frame Size = 69" x 81"  
(1524 x 2057.4)

FRAME HEIGHT
3/16" (4.8)
2-9/32" (57.9)
4-13/32" (111.9)
1-3/16" (38.1)
1-1/16" (26.2)

FRAME WIDTH
9/16" (14.3)
3-1/16" (74.3)
5-5/8" (140.4)
5-5/8" (140.4)
2-1/4" (57.2)
2-1/4" (57.2)

DLO
DLO

3/16" (4.8)
1-1/2" (38.1)
2-9/32" (57.9)

3/16" (4.8)
1-1/2" (38.1)
2-9/32" (57.9)

DEADBOLT/LATCHLOCK

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SCALE 3" = 1' 0"

OUTSWING DOORS & FRAME
TRIFAB 451T FRAME SHOWN

1. TRANSOM HEAD
2. TRANSOM BAR
3. SIDELITE JAMB
4. DOOR JAMB
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1/4" (6.4) and 1" (25.4) infills shown, other infills available.

SCALE 3" = 1' 0"

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

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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.
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

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

![Adjustable Butt Hinge](image)

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

![Surface Applied Closer](image)

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

![Door Stop](image)

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

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<th>GLASS HEIGHT IN METERS</th>
<th>GLASS HEIGHT IN FEET</th>
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**LARGE ASTRAGAL**

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<td>4</td>
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</tbody>
</table>
Generic Project Specific U-factor Example Calculation
(Percent of Glass will vary on specific products depending on sitelines)

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%

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
2000T TERRACE DOOR - SINGLE LEAF

System U-factor vs Percent of Glass Area

Percent of Glass Area = Vision Area/Total Area
Daylight Opening / Projected 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.

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2000T TERRACE DOOR - SINGLE LEAF

System Solar Heat Gain Coefficient (SHGC) vs Percent of Vision Area

System Visible Transmittance (VT) vs Percent of Vision Area
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### 2000T TERRACE DOOR
#### SINGLE LEAF

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<th>Glass U-Factor</th>
<th>Overall U-Factor</th>
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</tr>
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</table>

#### THERMAL PERFORMANCE MATRIX (NFRC SIZE)

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

   - **Glass U-Factor** 3
     - 0.48
     - 0.46
     - 0.44
     - 0.42
     - 0.40
     - 0.38
     - 0.36
     - 0.34
     - 0.32
     - 0.30
     - 0.28
     - 0.26
     - 0.24
     - 0.22
     - 0.20

   - **Overall U-Factor** 4
     - 0.58
     - 0.56
     - 0.55
     - 0.54
     - 0.53
     - 0.52
     - 0.50
     - 0.49
     - 0.48
     - 0.47
     - 0.46
     - 0.44
     - 0.43
     - 0.42
     - 0.41

2. **SHGC Matrix** 2

   - **Glass SHGC** 3
     - 0.75
     - 0.70
     - 0.65
     - 0.60
     - 0.55
     - 0.50
     - 0.45
     - 0.40
     - 0.35
     - 0.30
     - 0.25
     - 0.20
     - 0.15
     - 0.10
     - 0.05

   - **Overall SHGC** 4
     - 0.51
     - 0.47
     - 0.44
     - 0.41
     - 0.38
     - 0.34
     - 0.31
     - 0.28
     - 0.25
     - 0.21
     - 0.18
     - 0.15
     - 0.12
     - 0.08
     - 0.05

3. **Visible Transmittance** 2

   - **Glass VT** 3
     - 0.75
     - 0.70
     - 0.65
     - 0.60
     - 0.55
     - 0.50
     - 0.45
     - 0.40
     - 0.35
     - 0.30
     - 0.25
     - 0.20
     - 0.15
     - 0.10
     - 0.05

   - **Overall VT** 4
     - 0.49
     - 0.46
     - 0.42
     - 0.39
     - 0.36
     - 0.33
     - 0.29
     - 0.26
     - 0.23
     - 0.20
     - 0.16
     - 0.13
     - 0.10
     - 0.07
     - 0.03

**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 Matricies 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”).

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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.

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

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