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

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

- Architectural Grade Window
- Tested to US and Canadian Standards
- 45° Mitered Vent and Frame Corners
- Staked Corner Joinery
- Architectural Anodized Finishes and Applied Coatings

For specific product applications, consult your Kawneer representative.
<table>
<thead>
<tr>
<th>CLASS and GRADE</th>
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| SYSTEM DEPTH        | 3-7/16" Overall System Depth (1" Infill)  
                        2-11/16" Overall System Depth (1/4" Infill) |
| TYPICAL WALL THICKNESS | 0.125 Nominal Frame |
| TYPICAL MAX. VENT SIZE | 60" x 72" |
| TYPICAL MIN. VENT SIZE | 12" x 12" |
| INFILL OPTIONS      | 1" and 1/4" |
| STANDARD HARDWARE   | Stainless Steel 4-Bar Hinges  
                        Cast White Bronze Cam Lock  
                        4-Bar Limit Stop  
                        88SS Support Arms |
| OPTIONAL HARDWARE   | Cam Lock with Pole Ring  
                        Sash Pole  
                        Pole Ring  
                        Access Control Lock  
                        Concealed Lock with removable key |
| OTHER OPTIONS       | Insect Screens |
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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글래스벤트™ Windows for Curtain Wall
PROJECT-OUT WINDOW IN 1600 WALL SYSTEM™1 (1" INFILL)

SCALE 3" = 1'-0"

1" STRUCTURAL SILICONE GLAZING

NOTE: THE KAWNEER GLASSVENT™ WINDOW IS SHOWN IN THESE DETAILS WITH 1600 WALL SYSTEM™1 CURTAIN WALL FOR REFERENCE. OTHER KAWNEER SYSTEMS CAN BE USED.
FOR PRODUCT SPECIFIC APPLICATIONS CONSULT YOUR KAWNEER REPRESENTATIVE.
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GLASSvent™ Windows for Curtain Wall

PROJECT-OUT WINDOW IN 1600 WALL SYSTEM™2 (1" INFILL)

EC 97911-104

SCALE 3" = 1'-0"

1" STRUCTURAL SILICONE GLAZING

NOTE: THE KAWNEER GLASSvent™ WINDOW IS SHOWN IN THESE DETAILS WITH 1600 WALL SYSTEM™2 CURTAIN WALL FOR REFERENCE. OTHER KAWNEER SYSTEMS CAN BE USED. FOR PRODUCT SPECIFIC 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 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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NOTE: THE KAWNEER GLASSvent™ WINDOW IS SHOWN IN THESE DETAILS WITH 1600 WALL SYSTEM™1 CURTAIN WALL FOR REFERENCE. OTHER KAWNEER SYSTEMS CAN BE USED. FOR PRODUCT SPECIFIC APPLICATIONS CONSULT YOUR KAWNEER REPRESENTATIVE.
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**SCALE 3" = 1'-0"**

### 1/4" STRUCTURAL SILICONE GLAZING

![Diagram showing window components](image)

1. **HEAD**
2. **SILL**
3. **JAMB**
4. **VERTICAL MULLION**

**FRAME OPENING DIMENSION**

**3-7/16" (87.3)**

**1-11/16" (42.9)**

---

**NOTE:** THE KAWNEER GLASSvent™ WINDOW IS SHOWN IN THESE DETAILS WITH 1600 WALL SYSTEM™2 CURTAIN WALL FOR REFERENCE. OTHER KAWNEER SYSTEMS CAN BE USED. FOR PRODUCT SPECIFIC APPLICATIONS CONSULT YOUR KAWNEER REPRESENTATIVE.
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**STAINLESS STEEL 4 BAR HINGES**

A standard hinge for ventilators providing approximately 45° to 60° openings depending on size. An optional limit stop is available to restrict hinge travel and limit vent opening.

---

**CAM HANDLE**

Cast white bronze cam handles are standard for the manual operation and locking of ventilators.

---

**CAM HANDLE WITH POLE RING**

Cast white bronze cam handles with pole ring provide manual operation of ventilators located above reach. These handles are operated with a sash pole.

---

**POLE RING**

Cast white bronze pole ring is used in conjunction with locking hardware for sash pole operation of ventilators.

---

**SASH POLE**

A 3/4" diameter aluminum sash pole with a cast white bronze pull down hook and black rubber tip. Available in 6 ft. and 12 ft. lengths with optional cast white bronze Pole Hanger.

---

**HANGER FOR SASH POLE**

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**ACCESS CONTROL LOCK**

In lieu of cam handles cast white bronze access control locks are offered for managed control of vent operations. Lock is operated with a manganese bronze removable handle.

---

**88 SS SUPPORT ARMS**

Support Arms are used when the curtain wall day light opening height exceeds 48". When fully extended, the hardware automatically retains the ventilator in an open position.

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**CONCEALED LOCK**

In lieu of cam handles cast white bronze concealed locks are offered for managed control of vent operations. Lock is operated with a removable key.
Features

- Architectural Grade Window
- Tested to US and Canadian Standards
- 45° Mitered Vent and Frame Corners
- Staked Corner Joinery
- Architectural Anodized Finishes and Applied Coatings

For specific product applications, consult your Kawneer representative.
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| **SYSTEM DEPTH** | 3-7/16" Overall System Depth (1" Infill)  
2-11/16" Overall System Depth (1/4" Infill) |
| **TYPICAL WALL THICKNESS** | 0.125 Nominal Frame |
| **TYPICAL MAX. VENT SIZE** | 36" x 72" |
| **TYPICAL MIN. VENT SIZE** | 14" x 14" |
| **INFILL OPTIONS** | 1" and 1/4" |
| **STANDARD HARDWARE** | Stainless Steel 4-Bar Hinges  
Cast White Bronze Cam Handles |
| **OPTIONAL HARDWARE** | Cam Lock with Pole Ring  
SashPole  
Pole Ring  
Access Control Locks  
Multi-Point Lock  
Hook Bolt Lock  
Concealed Lock with removable key |
| **OTHER OPTIONS** | Insect Screens |
1" STRUCTURAL SILICONE GLAZING

NOTE: THE KAWNEER GLASSvent™ WINDOW IS SHOWN IN THESE DETAILS WITH 1600 WALL SYSTEM™1 CURTAIN WALL FOR REFERENCE. OTHER KAWNEER SYSTEMS CAN BE USED. FOR PRODUCT SPECIFIC 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 the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

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GLASSvent™ Windows for Curtain Wall
OUTSWING CASEMENT WINDOW IN 1600 WALL SYSTEM™1 (1/4" INFILL)

SCALE 3" = 1'-0"

1/4" STRUCTURAL SILICONE GLAZING

NOTE: THE KAWNEER GLASSvent™ WINDOW IS SHOWN IN THESE DETAILS WITH 1600 WALL SYSTEM™1 CURTAIN WALL FOR REFERENCE. OTHER KAWNEER SYSTEMS CAN BE USED. FOR PRODUCT SPECIFIC 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 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.

A standard hinge for ventilators providing approximately 45° to 60° openings depending on size. An optional limit stop is available to restrict hinge travel and limit vent opening.

Cast white bronze cam handles are standard for the manual operation and locking of ventilators.

Cast white bronze cam handles with pole ring provide manual operation of ventilators located above reach. These handles are operated with a sash pole.

Cast white bronze pole ring is used in conjunction with locking hardware for sash pole operation of ventilators.

A 3/4" diameter aluminum sash pole with a cast white bronze pull down hook and black rubber tip. Available in 6 ft. and 12 ft. lengths with optional cast white bronze Pole Hanger.

In lieu of cam handles cast white bronze access control locks are offered for managed control of vent operations. Lock is operated with a manganese bronze removable handle.

For use with pivot-shoe roto operator in lieu of cam handles. Standard finish shall be US-25-D clear white bronze.

Optional single locking handle for concealed multi-point locks located on the vertical frame. Standard finish shall be US-25-D clear white bronze.
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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**CONCEALED LOCK**

In lieu of cam handles cast white bronze concealed locks are offered for managed control of vent operations. Lock is operated with a removable key.
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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