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
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.
### GLASSvent™ Windows for Curtain Wall

**PROJECT-OUT WINDOW**

**FEBRUARY, 2019**

**EC 97911-199**

**CLASS and GRADE**
Architectural Grade AW-PG90 / AW-PG90C

**TESTING STANDARD**
AAMA / WDMA / CSA / 101 / I.S.2 / A440 (NAFS)

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

1" STRUCTURAL SILICONE GLAZING

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

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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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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1/4" STRUCTURAL SILICONE GLAZING

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1/4" STRUCTURAL SILICONE GLAZING

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<table>
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<tr>
<th>STAINLESS STEEL 4 BAR HINGES</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAM HANDLE</td>
<td>Cast white bronze cam handles are standard for the manual operation and locking of ventilators.</td>
</tr>
<tr>
<td>CAM HANDLE WITH POLE RING</td>
<td>Cast white bronze cam handles with pole ring provide manual operation of ventilators located above reach. These handles are operated with a sash pole.</td>
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<td>Cast white bronze pole ring is used in conjunction with locking hardware for sash pole operation of ventilators.</td>
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<tr>
<td>SASH POLE</td>
<td>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.</td>
</tr>
<tr>
<td>HANGER FOR SASH POLE</td>
<td></td>
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<td>ACCESS CONTROL LOCK</td>
<td>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.</td>
</tr>
<tr>
<td>88 SS SUPPORT ARMS</td>
<td>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.</td>
</tr>
<tr>
<td>CONCEALED LOCK</td>
<td>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.</td>
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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.
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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** | 31" x 72" or 36" x 63" (1" Infill)  
                        36" x 72" (1/4" Infill) |
| **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 |
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1" STRUCTURAL SILICONE GLAZING

OUTSWING CASEMENT WINDOW IN 1600 WALL SYSTEM™1 (1" INFILL)

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

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

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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1/4" STRUCTURAL SILICONE GLAZING

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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

### 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.

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

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