



716 3rd Street SE
De Smet, SD 57231
Ph: (800) 952-5534 Fax: (605) 854-9127
<http://www.descoarc.com>

SV-100

Glazing, Installation and Maintenance Instructions

| Designer | Engineer | Date | Drawing No. | Revision |
|----------------|-----------|----------|-------------|----------|
| J. L. Cantrell | J. Girard | 6-Oct-15 | 1001001 | - |
| | | | | |



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GLAZING and INSTALLATION:



Interior View

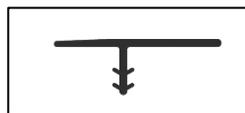


Exterior View

- 1) Open window and remove sash by taking out the hinge screws from the frame using a #2 Philips bit.



- 2) Lay the sash flat on a table and remove the exterior seal (part # 2192001), noting its location.



2192001



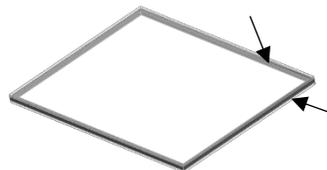
- 3) Check for square by measuring diagonally from corner to corner in both directions. Adjust to within 1/16".



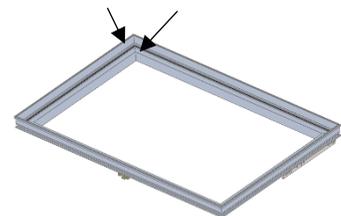
- 4) Clean the glazing leg of the sash and edge of glass with an approved cleaner and allow to thoroughly dry.



Approved Cleaner



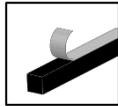
Insulated Glass Unit



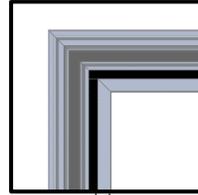


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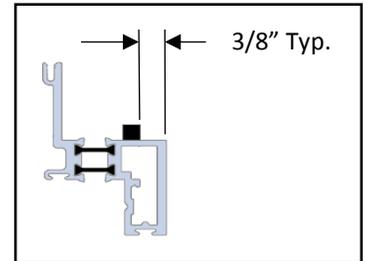
5) Apply glazing spacer (part# V210814) around the entire inside perimeter of the glazing leg, 3/8" from the daylight opening.



V210814

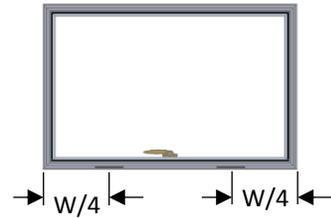


3/8" Typ.



3/8" Typ.

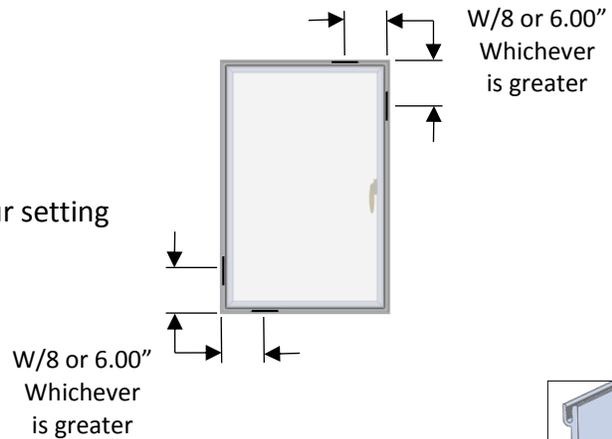
6) For Awnings: Place two setting blocks (part # 181184) at sill as shown.



W/4

W/4

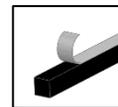
7) For Casements: Cross block as shown with four setting blocks (part # 181184).



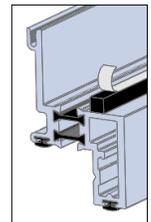
W/8 or 6.00"
Whichever
is greater

W/8 or 6.00"
Whichever
is greater

8) Remove the protective film from the glazing spacer (part # V210814).



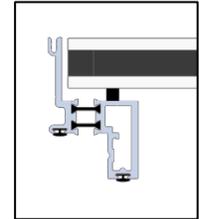
V210814



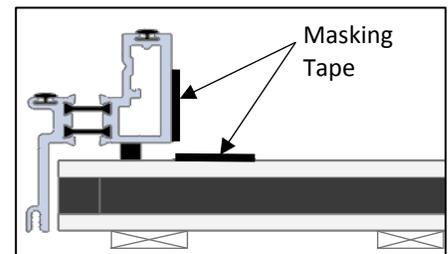


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- 9) Carefully set the glass on the glazing spacer, making contact with the setting blocks, centering left to right in the opening (shim sides as required).
Apply firm pressure to adhere the glass and aluminum to the glazing spacer.

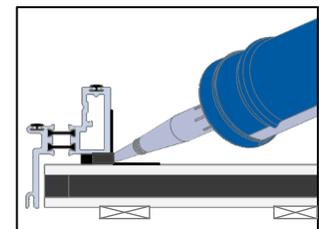


- 10) Turn the sash over, so the interior is facing up. Support the glass above the table to ensure sufficient pressure is maintained on the glazing spacer.



- 11) Apply masking tape to the daylight opening of the glass and sash.

- 12) Apply structural glazing sealant (Dow 995 or equal – not included) using positive pressure to fill the void between the glass and the vent.

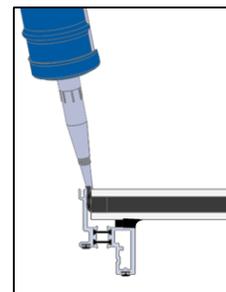


- 13) Immediately tool sealant using positive pressure to ensure contact between the glass and vent.

- 14) Remove masking tape before the silicone skins over.

- 15) Allow structural glazing sealant to cure per manufacturer's instructions before moving.

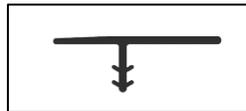
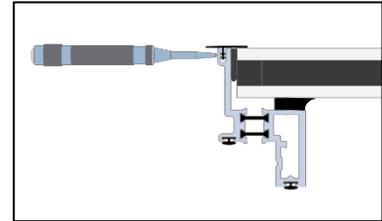
- 16) Apply a bead of structural glazing sealant to the exterior edge of the glass as shown to protect the integrity insulated glass unit.





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- 17) Replace the exterior seal (part# 2192001) and peen with a 1/8" center punch 1" from each corner and in the center of each side.



2192001

- 18) Install window frame in storefront or curtain wall framing with shims, verify that the frame is plumb, level and square.

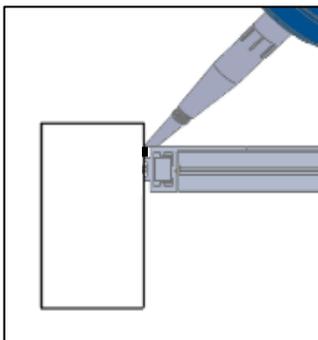
- 19) Anchor the window into the surrounding framing using stainless steel screws. Anchor located no more than 4" from each corner and 16" on center.



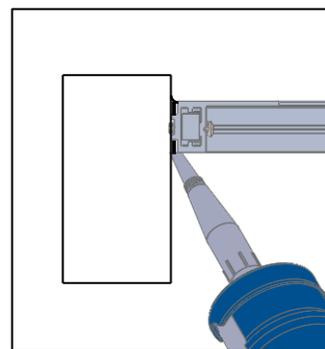
- 20) Anchor a maximum of 3" from each side of locks and snubbers.

- 21) Shim at all anchor locations and cover anchors with sealant.

- 22) Apply sealant to the interior and exterior perimeters of the framing. Tool to ensure a watertight seal.



Interior View



Exterior View



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23) Install the glazed vent into the frame by reinstalling the hinge screws.



MAINTENANCE and CLEANING:

Aluminum Finished:

Clean and maintain aluminum finish per AAMA 609 and AAMA 610.

Stainless Steel 4-Bar Hinges:

Clean all links and track to remove dust or debris with a non-caustic cleaner. Wipe dry with a clean cloth. Lubricate as required with a light oil.

Handles:

Wipe clean with a cloth and non-caustic cleaner as required.