

# Grommet Application and Requirements

## Work Performed By:

Glazing Contractors

## Requirements:

Per NEC code and View Smart Glass best known methods, glaziers are **required** to install silicone grommets into all hole penetrations in the glazing system to protect the SWC (smart window connector) and IGU cable.

### National Electrical Code

#### Article 300.4 Protection Against Physical Damage

Where subject to physical damage, conductors, raceways, and cables shall be protected.

#### 300.4 (B)(1)

##### (B) Nonmetallic-Sheathed Cables and Electrical Nonmetallic Tubing Through Metal Framing Members.

(1) **Nonmetallic-Sheathed Cable.** In both exposed and concealed locations where nonmetallic-sheathed cables pass through either factory or field-punched, cut, or drilled slots or holes in metal members, the cable shall be protected by listed bushings or listed grommets covering all metal edges that are securely fastened in the opening prior to installation of the cable.

## Solution:

Ensure all sharp aluminum edges have been filed down and free of any shavings before the grommet is applied to the cable pass through. In addition, silicone is required to be applied to the outer diameter of the grommet and follow standard specification for structural silicone sealant. The grommet must be 100% silicone.

## Best Known Methods:

All grommet locations and cable pathways will be determined during the review process of the glazier shop drawings. The preferred cable pathway is through the horizontal first and then through the vertical. View will provide cable integration drawings for each project; contact your View Project Manager for more details.

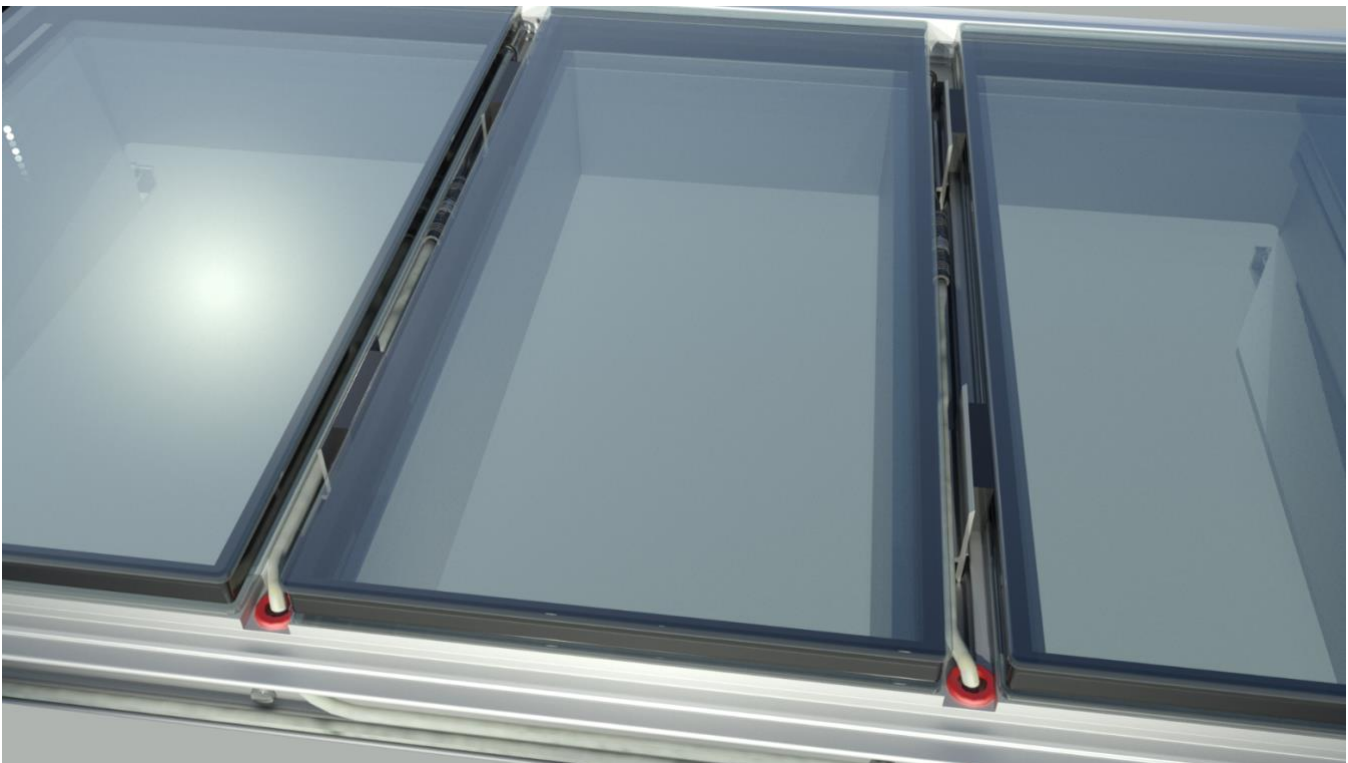
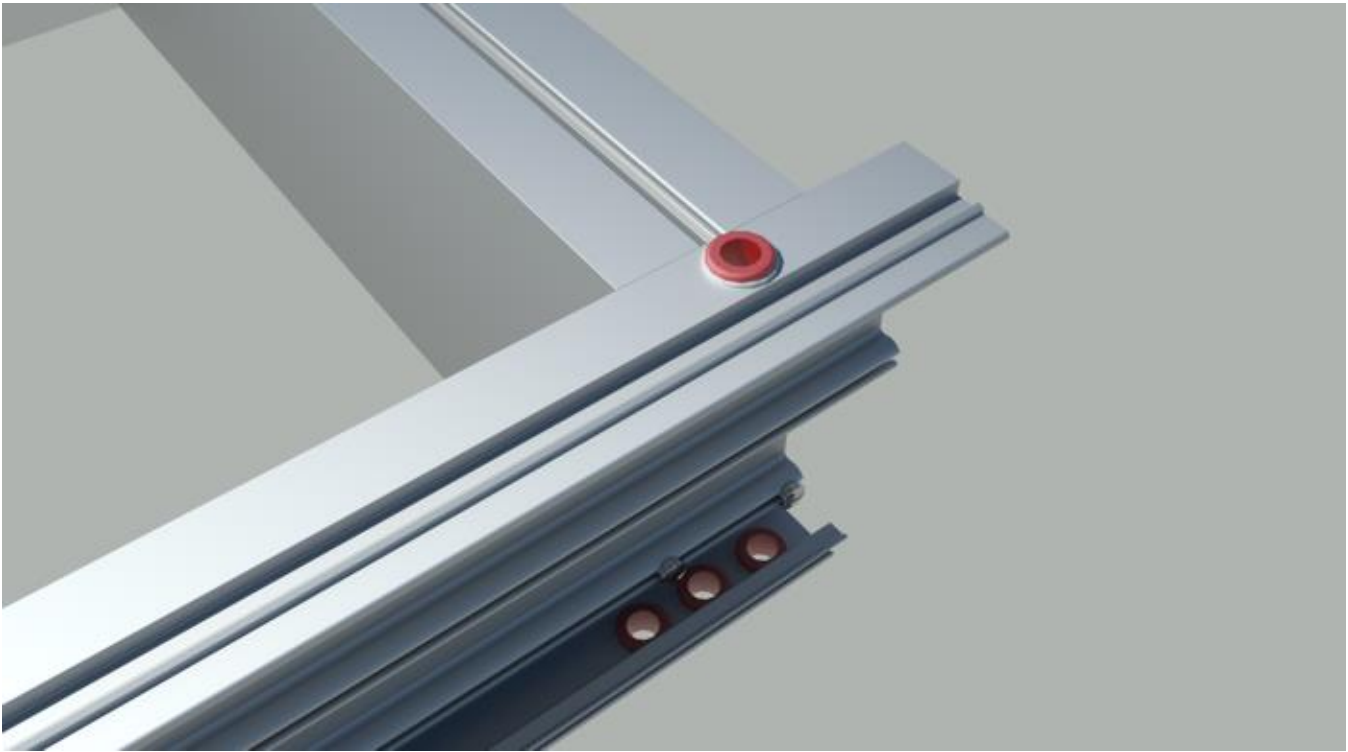
## References:

ASTM C1184

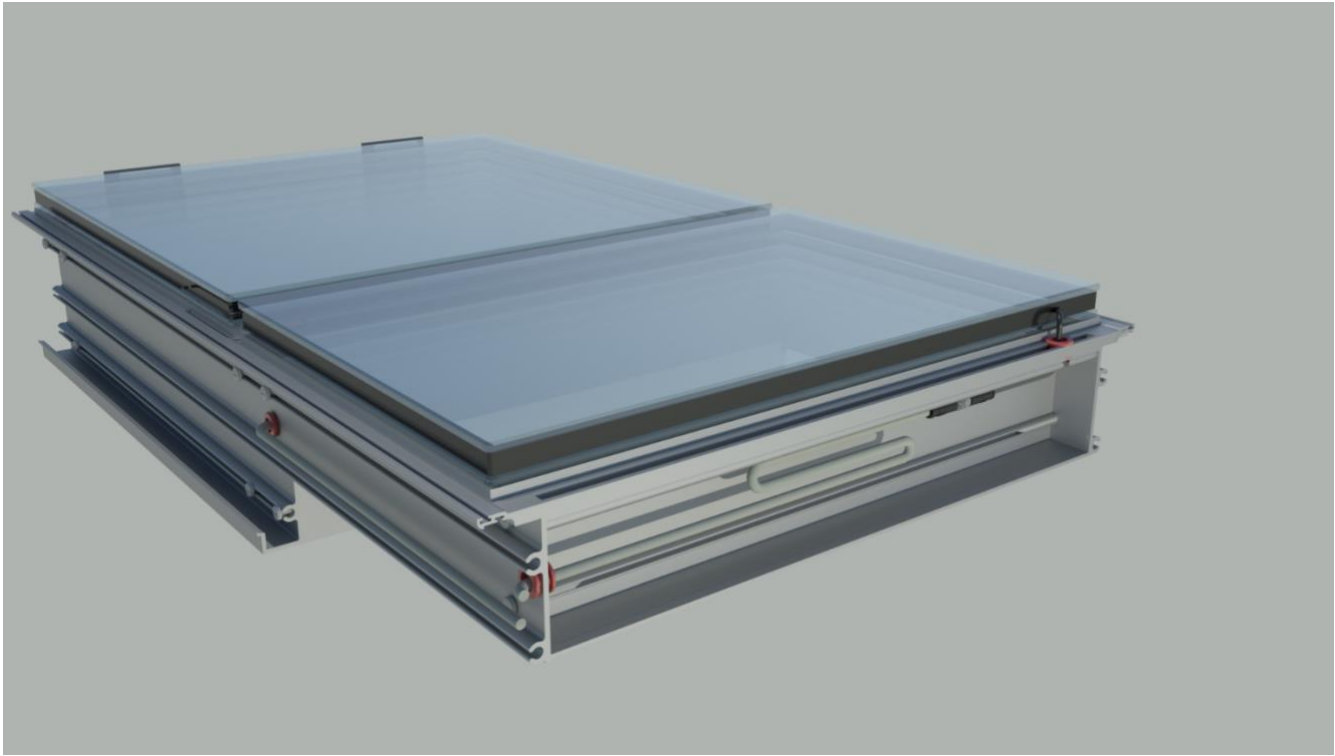
## Need additional help?

For more information go to Glazier Quick Start guide: [Click here for Glazier Quick Start Guide](#) or send an email to: [glaziertraining@view.com](mailto:glaziertraining@view.com)

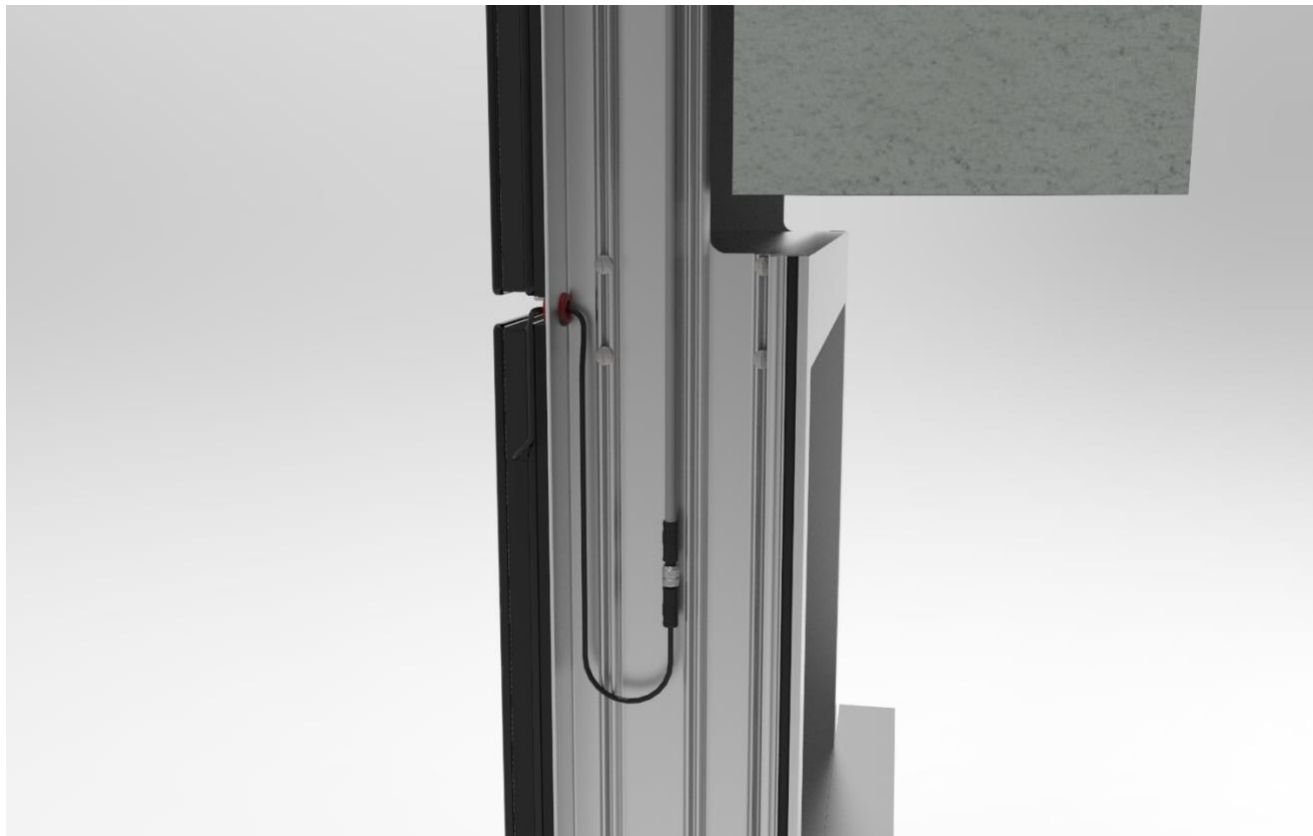
## Best Known Methods



## Best Known Methods



## Best Known Methods



## Best Known Methods

