### GLASS PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>E Modulus of Elasticity</td>
<td>10.4x106 psi</td>
</tr>
<tr>
<td>(Young Modulus)</td>
<td>7.2 x 1010 N/m²</td>
</tr>
<tr>
<td>G Modulus of Rigidity</td>
<td>4.3x106 psi</td>
</tr>
<tr>
<td>(Shear Modulus)</td>
<td>3.0 x 1010 N/m²</td>
</tr>
<tr>
<td>Modulus of Rupture (Flexure)</td>
<td>9,000 - 12,000 psi</td>
</tr>
<tr>
<td>Heat-Strengthened</td>
<td></td>
</tr>
</tbody>
</table>
QC-A1 GLASS FITTING

ASSEMBLED FITTING

EXPLODED FITTING

Ridges Side Fixed

Torque 17 ft-lb (23.2 Nm)

Smooth Side Sliding

Torque 8 ft-lb (10.9 Nm)

NOTE:
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HURRICANE BRACE

HIGH LOAD REQUIREMENT - PROJECT SPECIFIC
STRUCTURAL LOADING - REFERENCED STRUCTURAL CALCULATIONS

- As designed and designated the Hurricane Brace has been structural sized to help meet or exceed the required wind loads based on various regions and coastlines within the US.

- The Hurricane Brace is designed to add additional support to the QC-GLASS rainscreen system.

- By adding the Hurricane Brace to the back of the engineered system this helps deflect loads to the supporting members and lessen the deflection experienced on the glass at its mid-span/mid-zones allowing structural code requirements to be met.

*Deflection limits in Kips/in² (Von Mises)

HURRICANE BRACE DETAIL - ATTACHMENT TO BACK OF GLASS RAIL:

- Attach strut member to the back of glass rail using P3008 Channel Nut -

*3 Point fixing diagram above (3) P3008, washer and bolt.
D) BOTTOM OF WALL DETAIL

E) WINDOW HEAD DETAIL

F) WINDOW JAMB DETAIL

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**G) WINDOW SILL DETAIL**

- Curtain Wall / Window System
- Flashing
- Top Retainer
- Set Screw
- QC Glass Panel with Rail
- QC-P2 Carrier
- Continuous Horizontal "T" Extrusion
- Adjustable Angle
- QC Mini Rail

**H) INSIDE CORNER DETAIL**

- QC Glass Panel
- QC Glass Rail
- Continuous Horizontal Angle
- Adjustable Angle
- QC-P2 Carrier
- QC Mini Rail
- QC-A1 Fitting
- Fastener
- QC-P2 Carrier

**I) OUTSIDE CORNER DETAIL**

- Continuous Horizontal Angle Extrusion
- QC Mini Rail
- QC-P2 Carrier
- QC Glass Panel
- QC Glass Panel Rail
- Adjustable Angle
- QC-P2 Carrier

**NOTE:**
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