STORMBREAKER PLUS 300VL SERIES
EXTRUDED IMPACT RESISTANT VINYL
MULLIONS WITH MEDIUM ALUMINUM
REINFORCEMENT – HVHZ

GENERAL NOTES:
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 6TH EDITION (2017) FLORIDA BUILDING CODE REQUIREMENTS INCLUDING HVHZ.
2. THIS MULLION IS ONLY VALID WHEN USED IN CONJUNCTION WITH APPLICABLE WINDOW SYSTEMS.
3. ALL WINDOWS USED WITH THIS MULLION SHALL BE QUALIFIED UNDER SEPARATE APPROVAL. ALL GLAZING PRODUCTS USED WITH THESE MULLIONS MUST MEET THE APPLICABLE FLORIDA BUILDING CODE REQUIREMENTS.
4. ADEQUACY OF EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND STEEL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT INSTALLATION.
5. 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT INSTALLATION.
6. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
7. THIS PRODUCT DOES NOT REQUIRE AN EXTERNAL IMPACT PROTECTIVE SYSTEM IN WINDBORNE DEBRIS REGIONS, AND IS APPROVED FOR USE IN WIND ZONE 4.

PARTS LIST

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>DESCRIPTION</th>
<th>PART NO</th>
<th>MATERIAL</th>
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<tbody>
<tr>
<td>1</td>
<td>MEDIUM MULLION COVER</td>
<td>391-436</td>
<td>PVC</td>
</tr>
<tr>
<td>2</td>
<td>MEDIUM MULLION REINFORCEMENT</td>
<td>20634</td>
<td>6063-T6</td>
</tr>
<tr>
<td>3</td>
<td>BACK PLATE</td>
<td>SS</td>
<td>STEEL</td>
</tr>
<tr>
<td>4</td>
<td>MULLION L-MOUNT</td>
<td>SS</td>
<td>STAINLESS STEEL</td>
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<td>ELEVATION AND DESIGN PRESSURE CHARTS</td>
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DOUBLE HUNG HORIZONTAL CROSS SECTION

PICTURE (FIXED) HORIZONTAL CROSS SECTION

Lucas
Turner
2017-10-04
08:27+20:00
STORMBREAKER PLUS 300VL SERIES
EXTRUDED IMPACT RESISTANT VINYL MULLIONS WITH MEDIUM ALUMINUM REINFORCEMENT – HVHZ

NOTE:
The pressure chart shows the design pressures for the selected mullion span and panel width for achieving bending capacity, deflection and concentrated load limits specified in the Florida Building Code, 6th Edition (2017) including HVHZ.

Adhere to fastening instructions provided in this document to achieve the tabulated design pressures.

Multiple mulled conditions are acceptable as long as load width is not exceeded.

DESIGN PRESSURE RATING (PSF)
±50.0 LARGE MISSILE

MULLION ELEVATION
DOUBLE HUNG AND FIXED WINDOWS, UNITS IN PSF, MULLION #20634
ANCHOR NOTES:

1) To achieve the desired design pressures, adhere to the fastener requirements below.

2) INSTALLATION TO WOOD (G=0.42 MIN):
   Four (4) #10 wood screws for each base plate with min. 1-1/2" embedment and min. 7/8" wood edge distance.

3) INSTALLATION TO CONCRETE/MASONRY:
   Two (2) screws for each base plate in outermost holes. In grout-filled CMU block (ASTM C-90 Compliant) use 1/4" Elco Ultracons with 1 3/4" min. embed. to block and 1" min. edge dist. with min. 1-1/4" embedment. In solid concrete (2.85 ksi min.) use 3/16" ITW Tapcons or 1/4" Elco Ultracons with 1 3/4" min. embed. to concrete, and 1 1/8" min. edge dist.

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**TABLE 1 (MULLION ATTACHING HARDWARE)**

<table>
<thead>
<tr>
<th>RIVET</th>
<th>25 DIA. STEEL RIVET WITH A GRIP LENGTH OF .50 MAX.</th>
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</thead>
<tbody>
<tr>
<td>BARREL NUT</td>
<td>#10-24 OR #16-32 STAINLESS STEEL BARREL NUT. .525 O.D. X .23&quot; LG WITH 3/32&quot; MIN ENGAGEMENT</td>
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