Simonton Horizontal EndVent Series 07-08 / 07-10 / 07-20 Vinyl Impact Window

Model Designation: Single up to 113" x 63"

Maximum Overall Nominal Size: Positive: 50.0 PSF
Negative: 50.0 PSF

Usable Configurations: XOX (Quarter / Half / Quarter)

General Description: The head, sill, and side jambs are extruded PVC. The wall thickness through which the anchor screw penetrates is a minimum of 0.070.”

Through L-bracket in exterior track
Through L-bracket in exterior track

Installation hole pre-drilled by manufacturer

Lucas Turner
2017-02-01
14:19:19:00

QUALIFIED FRAME TYPES:

07-09 Frame Equal Leg
(For anchorage see sheet 3)

07-10 Frame with Integral Masonry Flange (anchorage similar to 07-09, see sheet 3)

07-20 Frame with Integral Nailing Fin (removed) & J-channel (anchorage similar to 07-09, see sheet 3)

Material: Simulated Wood

Design statements:
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Simonton Horizontal EndVent Series 07-09 / 07-10 / 07-20 Vinyl Impact Window

**INSTALLATION HOLE PRE-DRILLED BY MANUFACTURER**

**QUALIFIED FRAME TYPES:**

- **07-09 FRAME EQUAL LEG**
  (FOR ANCHORAGE SEE SHEET 3)

- **07-10 FRAME WITH INTEGRAL MASONRY FLANGE (ANCHORAGE SIMILAR TO 07-09, SEE SHEET 3)**

- **07-20 FRAME WITH INTEGRAL NAILING FIN**
  (REMOVED & J-CHANNEL (ANCHORAGE SIMILAR TO 07-09, SEE SHEET 3)

**GENERAL DESCRIPTION:**
The head, sill, and side jambs are extruded PVC. The wall thickness through which the anchor screw penetrates is a minimum of 0.070.

**DIMENSIONS:**
- **113" MAX, OVERALL FRAME WIDTH**
- **60" MAX OVERALL FRAME HEIGHT**

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NOTES:

1. This installation has been evaluated for use in locations adhering to the Texas & Florida Building Codes and where pressure requirements as determined by ASCE 7 Minimum Design Loads for Buildings and Other Structures do not exceed the design pressure ratings herein, for use outside the H.V.H.Z.

2. All interior and exterior perimeter surfaces of the window must be caulked.

3. Anchor type, size, spacing, and embedment shall be as specified in these drawings.

4. Anchor embedment to substrate shall be beyond wall dressing or stucco. For concrete/CMU openings, embedment shall be beyond wood bucks, if used, and into substrate. Installations to solid concrete or grout-filled CMU may include but do not require 1x wood bucks between product and substrate. Installations to hollow CMU require the use of 1x bucks between product and substrate.

5. Wood or masonry openings, bucks, and buck fasteners, by others, shall be properly designed and installed to transfer wind loads to the structure. Substrates shall meet the minimum strength requirements as shown in Table 1, this sheet. Concrete or masonry substrates shall not be cracked.

6. The responsibility for selection of Simonot windows to meet any applicable local laws, building codes, ordinances, or other safety requirements rests solely with the architect, building owner, or contractor.

7. Shims are required where gaps of greater than 1/16" exist between opening and frame. Max. shim stack is 1/4". Shims shall be load-bearing and capable of transferring loads to the substrate.

8. When used in areas requiring impact protection, this product DOES NOT REQUIRE the use of approved impact resistant shutters or other external protection.

9. Sealing and flashing by others should be applied using the ASTM E 2112 methodology appropriate for the opening into which the door is being installed. Overall water penetration resistance of the installed product is the responsibility of others.

10. Glazing shall comply with ASTM E 1300-04 and safety glazing requirements per FBC Section 2406.

11. For installation to metal substrates, anchors shall be long enough to be fully threaded through the metal thickness with an additional 3/16" min. of threads beyond.

12. A minimum center-to-center spacing of 2-1/4" shall be maintained between all Ecoloc Ultracor in any direction.

13. All fasteners penetrating into pressure treated wood shall be capable of preventing corrosion due to reaction with pressure treatment chemicals. Any dissimilar materials into which come in contact shall be protected to prevent reaction in accordance with code requirements.

14. A wind load duration factor Cd = 1.6 was used for the analysis of wood screws only.

15. Windows shall be constructed as specified in test reports SIMO-028-03-04-R0, SIMO-028-03-02-R0, SIMO-028-03-01-R0 & SIMO-032-03-01-R0 by PRI Construction Materials Technologies.

16. Use 100% pure silicone caulk compliant with AAMA 808 Section 5 - Sealant Specifications for use with Architectural Fenestration Products. Make sure surfaces are completely free from all old caulk, damaged wood, wood fibers, grease, oil, dirt, rust, mold or similar contaminants. Vacuum and clean opening surfaces completely. A fully primed surface is recommended, but not required. Cleaning of all surfaces should be done the same day of which the silicone caulk is applied. For more details visit Simonot.com.

17. Caulk application: recommended air and surface temperatures at the time of application are to be between 40 and 90 degrees F. Insure all contact surfaces are clean and dry including the new window(s). Use a bonder rod on all joints >3/4" deep and/or wider than 1/4". Finished caulk joint shall be a minimum of 3/8" deep and make full contact with both the new window and structural opening surfaces. Silicone caulk should be forced into joint or compressed to assure full contact on both surfaces and to expel any air pockets.

18. Designation "X" and "O" stand for the following:
   - X: Operable Panel
   - O: Fixed Panel

### TABLE 1: INSTALLATION FASTENERS TABLE

<table>
<thead>
<tr>
<th>ID</th>
<th>SUBSTRATE TYPE</th>
<th>ANCHOR TYPE</th>
<th>MIN. EDGE DIST.</th>
<th>MIN. EDGE DIST.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>CONCRETE (2.5 lbs KSI)</td>
<td>1/16&quot; ECO UTRACOR</td>
<td>1-1/4&quot;</td>
<td>1&quot;</td>
</tr>
<tr>
<td>B</td>
<td>MOLDING OR GROUT-FILLED CMU (ASTM 699)</td>
<td>1/16&quot; ECO UTRACOR</td>
<td>1-1/4&quot;</td>
<td>2-1/2&quot;</td>
</tr>
<tr>
<td>C</td>
<td>TE-CAP TRI-LOCK 10600 MIN. STEEL STUDDING, JIGSET MIN.</td>
<td>T-Bolt SELF DRILLING SCREW</td>
<td>See Note 11</td>
<td>1/2</td>
</tr>
<tr>
<td>D</td>
<td>1/8&quot; ALUM, 00025-0102, ON 1/8&quot; STEEL 135 KSI MIN.</td>
<td>T-Bolt SELF DRILLING SCREW</td>
<td>See Note 11</td>
<td>1/2</td>
</tr>
</tbody>
</table>

### MATERIALS

MATERIAL

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>UNITS</th>
<th>MIN.</th>
<th>MAX.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONCRETE</td>
<td>FT</td>
<td>40</td>
<td>90</td>
</tr>
<tr>
<td>WATER</td>
<td>FT</td>
<td>0.5</td>
<td>1</td>
</tr>
<tr>
<td>WIND</td>
<td>FT</td>
<td>0</td>
<td>100</td>
</tr>
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**NOTES & INSTALLATION TABLE**

- **DATE**: 2/1/2017
- **REVISIONS**: 0
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