NOTE:

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.I.Z.

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

3. Anchor type, size, spacing, and embedding 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 bull 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 Simonton products 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" shall be maintained between all Eko Ultracon 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 that come into contact shall be protected to prevent reactions in accordance with code requirements.

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


16. Designation “X” is for Operable Panel and “O” is for Fixed Panel

17. Use 100% pure silicone caulk compliant with AAMA 800 Section 1 - Sealant Specifications for use with Architectural Fenestration Products. For more details visit Simonton.com.

18. Use a backer rod on all joints >3/4" deep and/or wider than 1/4". Finished caulk joint should be a minimum of 3/8" deep.

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TABLE 1: INSTALLATION FASTENERS TABLE

<table>
<thead>
<tr>
<th>ID</th>
<th>SUBSTRATE TYPE</th>
<th>ANCHOR TYPE</th>
<th>WIN. EVIDED</th>
<th>WIN. EDGE DISTANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>CONCRETE (2 KSI)</td>
<td>3/16&quot; ITW TAPCON</td>
<td>1-1/2&quot;</td>
<td>1-1/2&quot;</td>
</tr>
<tr>
<td>B</td>
<td>HOLLOW OR GROUT-FILLED CMU (117 PSF KIN)</td>
<td>3/16&quot; ITW TAPCON</td>
<td>1&quot;</td>
<td>2&quot;</td>
</tr>
<tr>
<td>C</td>
<td>2X MIN. SOUTHERN PINE WOOD (G=0.55)</td>
<td>3/16&quot; ITW TAPCON</td>
<td>1-3/8&quot;</td>
<td>7/8&quot;</td>
</tr>
<tr>
<td>D</td>
<td>2X MIN. SOUTHERN PINE WOOD (G=0.55)</td>
<td>#12 WOOD SCREW</td>
<td>1-3/8&quot;</td>
<td>7/8&quot;</td>
</tr>
<tr>
<td>E</td>
<td>16 GAUGE (0.060&quot;) MIN. STEEL</td>
<td>#12-16 ITW TEKS SELF-DRILLING SCREW</td>
<td>FULL THREAD</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>F</td>
<td>1/4&quot; ALUM. 6063-T5 MIN. OR 1/8&quot; STEEL 35 KSI MIN.</td>
<td>#8 UN-GRD. SELF-TAPPING SCREW</td>
<td>FULL THREAD</td>
<td>1/2&quot;</td>
</tr>
</tbody>
</table>

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2-PANEL IMPACT PATIO DOOR
ELEVATION & ANCHOR PATTERN

3-PANEL IMPACT PATIO DOOR
ELEVATION & ANCHOR PATTERN
1" INSULATED TEMPERED/ANNEALED IMPACT GLASS WITH 0.090" PVB INTERLAYER (107" X 79" DOOR) WITH 0.090" PVB INTERLAYER (71" X 79" DOOR)

1" INSULATED TEMPERED/ANNEALED IMPACT GLASS WITH 0.090" SGP INTERLAYER (143" X 95" DOOR) WITH 0.090" SGP INTERLAYER (95" X 95" DOOR)

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MATERIAL:
- Dimensional Tolerances Unless Otherwise Specified

SIMONITE WINDOWS
1 Consumer Ave
Pawlet, VT 05761

GRAPHIC FILING: MARRIOTT
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4/26/2019

0.090" SGP INTERLAYER (95" X 95" DOOR)

0.090" SGP INTERLAYER (143" X 95" DOOR)

0.090" PVB INTERLAYER (71" X 79" DOOR)

0.090" PVB INTERLAYER (107" X 79" DOOR)

0.090" PVB INTERLAYER (21" X 95" DOOR)

0.090" SGP INTERLAYER