Alumina Distribution Center, LLC  
14475 NW 26th Ave  
Opa Locka, FL 33054

SCOPE:
This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).
This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series ADC-112556 Aluminum Outswing Doors w/wo Transom or Sidelites-L.M.I.

APPROVAL DOCUMENT: Drawing No. 17-151, titled "Series ADC-112556 Aluminum Outswing French Door w/wo Transom or Sidelites", sheets 1 through 24 of 24, dated 08/08/17, with revision 1 dated 08/08/17, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:
1. See Design Pressure ratings (DP) in sheet 21 for single & double doors. See Doors w/ Transom or w/ sidelites VS max frame Height and max frame width in sheet 21. Lower Design Pressure shall control.
2. The total frame area of alternate sizes must not exceed 122.22 ft² for doors w/ sidelites and 82.22 ft² for double door w/Transom. Frame height for sidelites is 100" max.
3. Transom and vertical mullions have been analyzed at 49 PSF(ASD). See Sheet 22 for anchor schedule.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Cali, Colombia and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.
This NOA revises NOA #15-0409.07 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Jorge M. Plasencia, P.E.

NOA No. 17-1102.10
Expiration Date: October 08, 2020
Approval Date: January 04, 2018
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

I. EVIDENCE SUBMITTED UNDER PREVIOUS NOA’S

A. DRAWINGS
   1. Manufacturer's die drawings and sections
   2. Drawing No. 15-250, titled “Series ADC-112556 High Impact Outswing French Door w/Transom or w/Sidelites”, sheets 1 through 24 of 24, dated 09/28/15, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E.

B. TESTS
   1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
                                2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
                                3) Water Resistance Test, per FBC, TAS 202-94
                                4) Large Missle Impact Test per FBC, TAS 201-94
                                5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
                                6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of aluminum outswing w/transom and doors w/Sidelites, prepared by Fenestration Testing lab, Inc., Test Report No. FTL-8131, dated 01/21/15, signed and sealed by Idalmis Ortega, P.E.

Note: This report has an addendum letter dated AUG 07, 2015, issued by Fenestration Testing

C. CALCULATIONS
   1. Anchor verification calculations and structural analysis complying with FBC-2014 (5th Edition), dated 03/06/15 and 08/25/15, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E.
   2. Glazing complies w/ ASTM E-1300-02, -04 and -09.

D. QUALITY ASSURANCE
   1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS
   1. Notice of Acceptance No. 14-0916.11 issued to Kuraray America, Inc. (Former E.I. DuPont DeNemours & Co., Inc. for the “Sentry Glass ® (Clear and White) Glass Interlayers”, expiring on 07/04/18.

F. STATEMENTS
   1. Statement letter of conformance to FBC 2014 (5th Edition) and letter of no financial interest, dated June 09, 2015, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E.
   2. Lab compliance as part of the above referenced test report.

Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 17-1102.10
Expiration Date: October 08, 2020
Approval Date: January 04, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

G. OTHER
1. Test proposal # 11-1141 (revised 07/23/14) approved by Jaime D. Gascon, P.E.
2. Distribution agreement dated 08/14/15 between Grupo Alumina, Colombia (manufacturer) and Aluminum Distribution Center, Opalocka (distributor), signed by Michael Gil, CFO and Mario Callejas, president, respectively on behalf of their companies.

2. NEW EVIDENCE SUBMITTED
A. DRAWINGS
1. Drawing No. 17-151, titled “Series ADC-112556 Aluminum Outswing French Door w/wo Transom or Sidelites”, sheets 1 through 24 of 24, dated 08/08/17, with revision 1 dated 08/08/17, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E.

B. TESTS
1. None.

C. CALCULATIONS
1. None.

D. QUALITY ASSURANCE
1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS
1. Notice of Acceptance No. 16-1117.01 issued to Kuraray America, Inc. for their “Trosifol® Ultraclear, Clear and Color Glass Interlayers”, expiring on 07/08/19.

F. STATEMENTS

G. OTHER
1. This NOA revises #15-0409.07, expiring on 10/08/20.

Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 17-1102.10
Expiration Date: October 08, 2020
Approval Date: January 04, 2018
GENERAL NOTES:
1. SERIES ADC-112556 ALUMINUM OUTSWING FRENCH DOOR, SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.), HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2017 (6TH EDITION) OF THE FLORIDA BUILDING CODE. SERIES ADC-112556 ALUMINUM OUTSWING FRENCH DOOR MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES.

2. DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTIONS 1620 OF THE ABOVE MENTIONED CODE, USING ASCE 7-10 AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON NOTE 3 BELOW.

3. IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-10 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/ MAX. (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON NOTE 3 BELOW.

4. IN ORDER TO VERIFY THAT ANCHORS ON THIS P.A.D., AS TESTED, WERE NOT OVERSTRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THEIR ANALYSIS. A DURATION FACTOR CF=1.60 WAS USED TO VERIFY FASTENERS IN WOOD.

5. THIS DOOR'S ADEQUACY FOR IMPACT AND WIND RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1626 OF THE ABOVE MENTIONED CODE AS PER EIGHT COOLING TAP-201, TAP-202, TAP-203, PER FENESTRATION TESTING LABORATORY, INC. LAB REPORT #01313 AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTION 1616 OF THE FLORIDA BUILDING CODE.

6. MATERIALS AND COMPONENT SHEETS 2, 3 AND 4 OF THIS DRAWING.

7. MAXIMUM A.S.D. DESIGN PRESSURE RATINGS FOR THIS PRODUCT SHALL BE AS SHOWN ON SHEET 21. SEE DOOR ELEVATIONS ON SHEETS 5 & 10 FOR QUALIFIED CONFIGURATIONS.

8. THIS SERIES ADC-112556 ALUMINUM OUTSWING FRENCH DOOR WILL NOT REQUIRE A HURRICANE PROTECTION DEVICE.

9. THIS SERIES ADC-112556 ALUMINUM OUTSWING FRENCH DOOR IS APPROVED FOR AIR AND WATER INFECTION.

10. ALL ALUMINUM EXTRUSIONS SHALL BE ALUMINUM association 6063-T6 ALLOY AND TEMPER, WITH FY=250 ksi MINIMUM. THE THICKNESS OF ALL EXTRUSIONS SHALL BE AS SHOWN ON THIS DRAWING.

11. ALL SCREWS USED FOR ASSEMBLY CONNECTIONS (METAL TO METAL) TO BE STAINLESS STEEL 304 OR 315 ASI SERIES OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018 WITH 50 ksi YIELD STRENGTH AND 80 ksi TENSILE STRENGTH & SHALL COAPPLY W/ FLORIDA BUILDING CODE SECTION 2411.3.3.4.

12. WOOD BUCKS, BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE BUILDING STRUCTURE. WOOD BUCKS MUST BE SOUTHERN PINE, G-9505, AND SHALL COMPLY WITH SECTIONS 2411.3.3.3 & 2328 OF THE FLORIDA BUILDING CODE.

13. ANCHOR NOTES: EMBEDMENT AND EDGE DISTANCE ARE BEYOND ANY FINISH.

(A) TO EXISTING POURED CONCRETE: (MIN. f’c = 2000 psi), MIN. EDGE DISTANCE (E.D.) = 3".
1/4" TAP CONC. ANCHOR W/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW/BUILDEX, INC. (COMPONENT 22), 3RU 1" P.T. WOOD BUCK.

(B) TO EXISTING S.T.M. C-90 CONCRETE BLOCK WALL, MIN. EDGE DISTANCE (E.D.) = 3".
1/4" TAP CONC. ANCHOR W/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW/BUILDEX, INC. (COMPONENT 22), 3RU 1" P.T. WOOD BUCK.

(C) TO EXISTING 2X4 P.T. WOOD BUCK, MIN. EDGE DISTANCE (E.D.) = 1".
1/4" TAP CONC. ANCHOR W/ 1 1/2" MIN. EMBEDMENT, AS MANUFACTURED BY ITW/BUILDEX, INC. (COMPONENT 22).

(D) TO EXISTING MIN. 1/8" THICK ALUMINUM TUBE (6063-T5 ALLOY) MIN. EDGE DISTANCE (E.D.) = 1/2".
1/4"-9-14 TEK SCREW, AS MANUFACTURED BY ITW/BUILDEX, INC. (COMPONENT 22), FULLY ENGAGED.

(E) TO EXISTING MIN. 12 CAGE STEEL MEMBER (MIN A=653 GRADE 33 OR A=36) MIN. EDGE DISTANCE (E.D.) = 1/2".
1/4"-9-14 TEK SCREW, AS MANUFACTURED BY ITW/BUILDEX, INC. (COMPONENT 22), FULLY ENGAGED.

10. PROVIDE 1/4" MAX. LOAD BEARING SHIM, WHEN ALLOWED BY THIS DRAWING.

11. DOORS INSTALLATION SHALL COMPLY WITH SPECS INDICATED IN THIS DRAWING PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION WHERE PERMIT IS APPLIED TO.

12. ALL DOORS COMPONENT EDGES WHICH REMAIN IN CONTINUOUS CONTACT WITH THE BUILDING SHALL BE SEAL/CAULK TO PREVENT WIND/RAIN INTRUSION, CAULK AND SEAL ALL AROUND FULL LENGTH.

13. PRODUCT MANUFACTURER'S LABEL SHALL BE LOCATED ON A READY VISIBLE LOCATION AT PRODUCT IN ACCORDANCE WITH SECTION 1709.5 OF THE FLORIDA BUILDING CODE. ONE LABEL SHALL BE PLACED FOR EVERY OPENING.

14. (a) THIS P.A.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; I.E. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.A.D.

(b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.A.D., PROVIDED HC/HE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

(b) THIS P.A.D. WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

(b) ORIGINAL P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

THIS DRAWING SHALL ONLY BE USED TO OBTAIN PERMITS IN THE STATE OF FLORIDA.

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

WATER A TILLECO INC.
No. 44167
TILLECO INC.
14435 NW 29 Th AVE.
MIAMI, FL 33177
P.O. BOX 115457
MIAMI, FL 33101

P.E. SEAL/SIGNATURE/DATE

SERIES ADC-112556 ALUMINUM OUTSWING FRENCH DOOR W/0 TRANSMAT OR SLIDERS

DRAWN BY:

17-151

WHAT IS IN THE IMAGE:

This image contains a page of a document with text that appears to be related to architectural specifications for a set of aluminum outswinging French doors. The page lists general notes and specific requirements for installing these doors, including wind load calculations, anchor details, and installation instructions. The document includes a section with a drawing, which seems to be a diagram or schematic, related to the installation of these doors. The text is technical and detailed, typical of construction or engineering specifications. The document is likely intended for use by contractors or builders who need to install the specified doors according to the Florida Building Code for high-velocity hurricane zones.
<table>
<thead>
<tr>
<th>COMPONENT #</th>
<th>DESCRIPTION</th>
<th>DIMENSIONS/REMARKS</th>
<th>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>INACTIVE LOCK STILE</td>
<td>SEE SHEET 2</td>
<td>0003-16</td>
</tr>
<tr>
<td>2</td>
<td>ACTIVE LOCK STILE</td>
<td>SEE SHEET 2</td>
<td>0005-16</td>
</tr>
<tr>
<td>3</td>
<td>HINGE &amp; LOCK STILE (SINGLE DOOR) &amp; HINGE STILE (DOUBLE DOOR)</td>
<td>SEE SHEET 2</td>
<td>0953-76</td>
</tr>
<tr>
<td>4</td>
<td>TOP &amp; BOTTOM VAL</td>
<td>SEE SHEET 2</td>
<td>0953-76</td>
</tr>
<tr>
<td>5</td>
<td>FRAM TREAD &amp; JAMB @ SIDELITE &amp; HEAD @ DOOR</td>
<td>SEE SHEET 2</td>
<td>0003-16</td>
</tr>
<tr>
<td>6</td>
<td>SILL &amp; HEAD FRAME @ DOOR &amp; SIDELITE</td>
<td>SEE SHEET 2</td>
<td>0953-76</td>
</tr>
<tr>
<td>7</td>
<td>SIDELITE JAMB &amp; TRANSOM INSERT</td>
<td>SEE SHEET 2</td>
<td>0953-76</td>
</tr>
<tr>
<td>8</td>
<td>GLAZING ADAPTER DOOR FOR LAMINATED &amp; LAMINATED-INSULATED GLASS</td>
<td>SEE SHEET 2</td>
<td>0953-76</td>
</tr>
<tr>
<td>9</td>
<td>GLAZING ADAPTER SIDELITE &amp; TRANSOM FOR LAMINATED &amp; LAMINATED-INSULATED GLASS</td>
<td>SEE SHEET 2</td>
<td>0953-76</td>
</tr>
<tr>
<td>10</td>
<td>WEATHER STRIP ADAPTER</td>
<td>SEE SHEET 2</td>
<td>0953-76</td>
</tr>
<tr>
<td>11</td>
<td>GLAZING BEAD FOR LAMINATED-INSULATED GLASS 13/16&quot;</td>
<td>SEE SHEET 2</td>
<td>0953-76</td>
</tr>
<tr>
<td>12</td>
<td>GLAZING BEAD FOR LAMINATED GLASS 7/16&quot;</td>
<td>SEE SHEET 2</td>
<td>0953-76</td>
</tr>
<tr>
<td>13</td>
<td>HEAD AND SILL COVER PLATE</td>
<td>SEE SHEET 2</td>
<td>0953-76</td>
</tr>
<tr>
<td>14</td>
<td>SCREW COVER FOR TRANSOM</td>
<td>SEE SHEET 2</td>
<td>0953-76</td>
</tr>
<tr>
<td>15</td>
<td>STILE FOR SIDELITE PANEL</td>
<td>SEE SHEET 1</td>
<td>0003-16</td>
</tr>
<tr>
<td>16</td>
<td>SCREW COVER FOR DOOR JAMB, DOOR HEAD &amp; SIDELITE JAMB</td>
<td>SEE SHEET 2</td>
<td>0953-76</td>
</tr>
<tr>
<td>17</td>
<td>#14 x 1 1/2&quot; S.S. TEK SCREW 5/8&quot; FROM JAMBS, BALANCE @ 1/2&quot; O.C.</td>
<td>Sidelite Jamb Sidelite Jamb Insert, Transom Insert &amp; Retainer Clip Screw</td>
<td>STEEL</td>
</tr>
<tr>
<td>18</td>
<td>#12 x 1 1/4&quot; PAN HEAD S.S. TEK SCREW 5/8&quot; FROM ENDS, BALANCE @ 1 1/2&quot; O.C.</td>
<td>Sidelite Jamb Sidelite Jamb (Panel Connection)</td>
<td>STEEL</td>
</tr>
<tr>
<td>19</td>
<td>#14 x 1 1/2&quot; F.H. S.S. 112 SCREW 5/8&quot; FROM ENDS, BALANCE @ 1/2&quot; O.C.</td>
<td>Door Sidelite - Transom (Frame Assembly) - 180, 2, 112 Sidelite Strength</td>
<td>STEEL</td>
</tr>
<tr>
<td>20</td>
<td>#10 x 1 1/2&quot; F.H. S.S. TEK SCREW 8&quot; O.C.</td>
<td>Glazing Adapter &amp; Frame Headjamb Assembly &amp; Hinge Lock Sidelite</td>
<td>STEEL</td>
</tr>
<tr>
<td>21</td>
<td>RETAINER CLIP</td>
<td>AT DOOR PANEL, W (2) #14 x 3/4 TEK SCREWS TO STYLES, JAMB RAILS W STILES (2)</td>
<td>STEEL</td>
</tr>
<tr>
<td>22</td>
<td>TAPFOOT (TWOBILDED) CONCRETE ANCHOR</td>
<td>1/4&quot; - See General Note 5 on SHEET 1</td>
<td>STEEL</td>
</tr>
<tr>
<td>22A</td>
<td>TEK SCREW (TWOBILDED)</td>
<td>1/4&quot; - See General Note 5 on SHEET 1</td>
<td>STEEL</td>
</tr>
<tr>
<td>23</td>
<td>EXTRUDED HINGES</td>
<td>3 1/2&quot; x 7&quot; x 3/4&quot; Powder Coated W (6) #10-20 x 7/8&quot; F.H. S.S. Ms To Frame &amp; W (6) #10-24 x 7/8&quot; F.H. S.S. Ms To Door Panel</td>
<td>0953-76</td>
</tr>
<tr>
<td>24</td>
<td>GLAZING BULK</td>
<td>0.250 x 0.125 (Ultrafab)</td>
<td>VINYL</td>
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<tr>
<td>26</td>
<td>FIN SEAL, PILE W PLASTIC</td>
<td>Ultrafab</td>
<td>VINYL</td>
</tr>
<tr>
<td>27</td>
<td>SEAL WEATHER STRIPPING</td>
<td>Pro-Lon</td>
<td>FOAM</td>
</tr>
<tr>
<td>27A</td>
<td>SHOOT BOLT</td>
<td>Top &amp; Bottom 5/8 x 2&quot; (2) Regd @ Active (2) Regd @ Inactive. Penetrate 2&quot; Min. Into Hipsill</td>
<td>STEEL</td>
</tr>
<tr>
<td>27A</td>
<td>SHOOT BOLT GUIDE</td>
<td>Top &amp; Bottom See Detail. Sheet 24, 1 1/2&quot; x 1 1/2&quot; x 1 1/8&quot; x 0-1 1/2&quot;</td>
<td>ALUMINUM ALUMINUM ANGLE</td>
</tr>
<tr>
<td>28</td>
<td>1/4&quot; DRIVE ROD TOP &amp; BOTTOM</td>
<td>1/4&quot; Drive Rod Strike, Lever Compression Lock, Manufactured by ASSA ABLOY</td>
<td>ALUMINUM</td>
</tr>
<tr>
<td>28A</td>
<td>3 POINT LOCK ACTIVE HANDLE W MECHANISM &amp; RODS W CYLINDER, LATCH &amp; LEVER</td>
<td>3 Point Lock Active Handle, W Mechanism &amp; RODS W Installation At (3) #6-32 x 7/16&quot; Screws Per Panel &amp; Twin Bolt Lock W (1) #6-32 x 7/16&quot; Screw Per Panel</td>
<td>ALUMINUM</td>
</tr>
<tr>
<td>30</td>
<td>STRUCTURAL SILICONE DOW CORNING 995</td>
<td>All Around Glass</td>
<td>SILICONE</td>
</tr>
<tr>
<td>31</td>
<td>NON STRUCTURAL SILICONE DOW CORNING CONTRACTORS (CONCRETE, BEALANT, ETC.)</td>
<td>As Shown</td>
<td>SILICONE</td>
</tr>
<tr>
<td>32</td>
<td>BUMPER SPREAD</td>
<td>Bumper Spreader</td>
<td>SILICONE</td>
</tr>
<tr>
<td>33</td>
<td>PUSH BOX</td>
<td>Hardware, ASSA ABLOY, 7 mm Rod W (2) #8 x 1/2&quot; SMS To Style</td>
<td>PLATED STEEL</td>
</tr>
<tr>
<td>33A</td>
<td>TWO POINT LOCK SYSTEM WITH ACTIVATING LEVER TYPE HANDLE, KEY OPERATOR ON THE EXTERIOR, THUMB TURN ON THE INTERIOR WITH NO VISIBLE PRODUCT MARKINGS</td>
<td>3/8&quot; From Bottom, Only Used At Active Door In Double Doors Or At Single Doors</td>
<td>PLATED STEEL</td>
</tr>
<tr>
<td>34</td>
<td>SETTING BLOCK</td>
<td>Setting Block</td>
<td>E.D.M.</td>
</tr>
<tr>
<td>35</td>
<td>CONTINUOUS THREADED ROD</td>
<td>5/8&quot; x 1/4&quot; (4) S.S. Security Nut W (4) Nylon Insert Each Door Panel (2 Per Door)</td>
<td>STEEL</td>
</tr>
<tr>
<td>38</td>
<td>WEEP HOLES</td>
<td>1/16&quot; x 1/16&quot; (2 Per Door)</td>
<td>STEEL</td>
</tr>
</tbody>
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### BILL OF MATERIALS (CONT'D)

<table>
<thead>
<tr>
<th>COMPONENT #</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
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<tbody>
<tr>
<td>36</td>
<td>7/16&quot; NOMINAL LAMINATED GLASS W/ 3/16&quot; H.S. GLASS + 0.006&quot; PVB INTERLAYER BY KURARAY AMERICA, INC. + 3/16&quot; H.S. GLASS.</td>
<td>GLASS</td>
</tr>
<tr>
<td>37</td>
<td>13/16&quot; INSULATED LAMINATED GLASS W/ 3/16&quot; TEMPERED GLASS OUT BOARD -1/4 ARGON SPACER + 3/16&quot; H.S. + 0.006&quot; PVB INTERLAYER BY KURARAY AMERICA, INC. + 3/16&quot; H.S. INBOARD</td>
<td>GLASS</td>
</tr>
</tbody>
</table>

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**GLAZING DETAIL 1**

**AT 36**

SCALE: 1/2"-1"

---

**GLAZING DETAIL 2**

**AT 37**

SCALE: 1/2"-1"

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**HARDWARE SCHEDULE**

<table>
<thead>
<tr>
<th>OPTION</th>
<th>REQ'D HARDWARE AT DOUBLE DOORS</th>
<th>REQ'D HARDWARE AT SINGLE DOORS</th>
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<tbody>
<tr>
<td>1</td>
<td>AT ACTIVE DOOR</td>
<td>AT INACTIVE DOOR</td>
</tr>
<tr>
<td></td>
<td>AT 36&quot; FROM BOTTOM</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AT 38&quot; FROM BOTTOM</td>
<td>N/A</td>
</tr>
<tr>
<td>2</td>
<td>TOP / Bottom :</td>
<td>TOP / BOTTOM :</td>
</tr>
<tr>
<td></td>
<td>AT 36&quot; FROM BOTTOM</td>
<td>AT 38&quot; FROM BOTTOM</td>
</tr>
<tr>
<td></td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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**PRODUCT REVISED**

as complying with the Florida Building Code

N.H.No. 17-1102.10

Expiration Date 10/08/2020

By Miami-Dade Product Control

---

**FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)**

 SERIES ABC-112250 ALUMINUM OUTSWING FRENCH DOOR W/NO TRANSOM OR SIDELIGHTS

ALUMINA DISTRIBUTION CENTER

14456 NW 26 th Ave.
407-344-0200

DATE 08/04/17

DRAWN BY:

M.W. TILLIOTT, P.E.

DATE 17-151

DRAWING NO.

P.E. SEAL/SIGNATURE/DATE
TYPICAL EXTERIOR ELEVATION
SINGLE DOOR

TYPICAL EXTERIOR ELEVATION
DOUBLE DOOR

TYPICAL EXTERIOR ELEVATIONS FOR SINGLE &
DOUBLE DOOR W/O TRANSOM NOR SIDELITES

3/8"=1'-0"
TYPICAL EXTERIOR ELEVATION
SINGLE DOOR W/ TRANSMO

TYPICAL EXTERIOR ELEVATIONS FOR SINGLE & DOUBLE DOOR W/ TRANSMO
3/8"=1'-0"

PRODUCT REVISED
as complying with the Florida
Building Code

By
Multi-Code Product Control

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

DATE
09/17/17

DRAWN BY
WALTER A. TILLECO, INC.
SERIES ADC-112556 ALUMINUM OUTSWING FRENCH DOOR W/ NO TRANSMO OR BRUTES

ALUMINA DISTRIBUTION CENTER
14525 NW 26TH AVE.
MIAMI, FL 33182

DATE
06/08/17

DRAWING NO.
17-151

P.E. SEAL/STAMP/DATE

STATE OF FLORIDA
PROFESSIONAL ENGINEER

FLORIDA LICENSE NO.
44167

NO. DATE DESCRIPTION COL. NO. REV.

SHEET 6 OF 16
MAX. (2) SIDELITES EA. SIDE

MAX. SASH WIDTH
(SEE SCHEDULE SHEET 21)

MAX. SASH WIDTH
(SEE SCHEDULE SHEET 21)

DOOR SASH WIDTH
(SEE SCHEDULE SHEET 21)

MAX. SASH WIDTH
(SEE SCHEDULE SHEET 21)

MAX. SASH WIDTH
(SEE SCHEDULE SHEET 21)

FRAME HEIGHT
FOR DOORS & SIDELITES
(SEE SCHEDULE SHEET 21)**

D.L.O. WIDTH
(SEE SCHEDULE SHEET 21)

G/17

11'

D.L.O. HEIGHT
(SEE SCHEDULE SHEET 21)

C/13

D.L.O. WIDTH
(SEE SCHEDULE SHEET 21)

D.L.O. WIDTH
(SEE SCHEDULE SHEET 21)

D.L.O. WIDTH
(SEE SCHEDULE SHEET 21)

D.L.O. WIDTH
(SEE SCHEDULE SHEET 21)

C/13

MAX. SASH WIDTH
(SEE SCHEDULE SHEET 21)

MAX. SASH WIDTH
(SEE SCHEDULE SHEET 21)

DOOR SASH WIDTH
(SEE SCHEDULE SHEET 21)

MAX. SASH WIDTH
(SEE SCHEDULE SHEET 21)

MAX. SASH WIDTH
(SEE SCHEDULE SHEET 21)

X

5'-7/8''

5'' TYP.

MAX. SIDELITE WIDTH
(SEE SCHEDULE SHEET 21)

MAX. SIDELITE WIDTH
(SEE SCHEDULE SHEET 21)

MAX. SIDELITE WIDTH
(SEE SCHEDULE SHEET 21)

MAX. SIDELITE WIDTH
(SEE SCHEDULE SHEET 21)

A/11

DETAILED 1/24
(TYP. TOP & BOTTOM)

MAX.

MAX. SIDELITE WIDTH
(SEE SCHEDULE SHEET 21)

MAX. TOTAL FRAME WIDTH=176'' **

TYPICAL EXTERIOR ELEVATION OF
SINGLE DOOR W/ SIDELITES

3/8''=1'-0''

* SEE SCHEDULE ON SHEET 4

** MAX. TOTAL FRAME AREA SHALL NOT EXCEED 122.2 FT²
TYPICAL EXTERIOR ELEVATION OF DOUBLE DOOR W/ SIDELITES **

3/8'-1'-0" ** QUALIFIES MIRROR CONFIGURATION TOO.

* SEE SCHEDULE ON SHEET 4
*** MAX. TOTAL FRAME AREA SHALL NOT EXCEED 122.2 FT²
**SECTION A-A @ DOOR**

**SCALE:** 3/8"=1'

---

*TOP & BOTTOM MOUNTING INSTALLATIONS INTO SUBSTRATES, BY MEANS OF 1X, 2X, NO WOOD BUCK OR METAL MULLION MAY BE COMBINED IN ANYWAY TO SUIT ANY INSTALLATION AT TOP OR BOTTOM. IN CASE THAT ALUMINUM OR STEEL MULLION WAS USED AT SILL, BUILDING OFFICIAL MUST VERIFY ITS STRUCTURAL ADEQUACY.*

---

**POURED CONCRETE OR CONCRETE BLOCK SUBSTRATE**

---

**EXTERIOR**

---

**DOOR FRAME HEIGHT** (SEE SCHEDULE SHEET 21)

---

**DOOR SASH HEIGHT** (SEE SCHEDULE SHEET 21)

---

**POURED CONCRETE REQUIRED** (SEE NOTE 9/1)

---

**WOOD SUBSTRATE**

---

**ALUMINUM MULLION OR STEEL MEMBER SUBSTRATE**

---

**PRODUCT REVISED**

as complying with the Florida Building Code

NOA-No. 17-1102.10

Expiration Date 10/08/2020

By

Miami-Dade Product Control
SECTION B-B @ DOOR W/ TRANsom

SCALE: 1/4"=1'

**NOTE:** Top & Bottom Mounting installations into substrates, by means of 1x, 2x No Wood brick or metal Mullion may be concealed in any way to suit any installation at top or bottom. In case that aluminum or steel Mullion was used at sill, building official must verify its structural adequacy.

**PRODUCT REVISED**
- as complying with the Florida Building Code
- No. 17-1102.10
- Expiration Date 10/08/2020

**Licensed By:**
- Miami-Dade Product Control
POURED CONCRETE OR CONCRETE BLOCK REQ'D. (SEE NOTE 9/1)

SIDELITE HEIGHT (SEE SCHEDULE SHEET 21)

1x WOOD BUCKS (SEE NOTES 8/1, 9/1)

2x WOOD BUCKS (SEE NOTES 8/1, 9/1)

ALUMINUM OR STEEL MULLION BY OTHERS (SEE NOTE 9/1)

EXTERIOR

D.L.O. HEIGHT (SEE SCHEDULE SHEET 21)

WOOD SUBSTRATE *

ALUMINUM MULLION OR STEEL MEMBER SUBSTRATE *

SECTION C-C @ SIDELITES

SCALE: 3/8"=1"

* TOP & BOTTOM MOUNTING INSTALLATIONS INTO SUBSTRATES, BY MEANS OF 1x, 2x, NO WOOD BUCK OR METAL MULLION MAY BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION AT TOP OR BOTTOM, IN CASE THAT ALUMINUM OR STEEL MULLION WAS USED AT SILL, BUILDING OFFICIAL MUST VERIFY ITS STRUCTURAL ADEQUACY.
SECTION D-D @ SINGLE DOOR

SCALE: 3/8"=1"
PRODUCT REvised
as complying with the Florida Building Code
MOC. No. 17-1102.10
Expiration Date 10/08/2020
By
Muller Code Product Control

* JAMB MOUNTING INSTALLATIONS INTO SUBSTRATES, BY MEANS OF 1x, 2x WOOD BUCK OR METAL MULLION MAY BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION AT JAMBS.

** SEE SCHEDULE ON SHEET 4.
WOOD SUBSTRATE

ALUMINUM OR STEEL MULLION BY OTHERS (SEE NOTES 9/1)

ALUMINUM MULLION OR STEEL MEMBER SUBSTRATE

1x WOOD BUCKS (SEE NOTE 8/1)

POURED CONCRETE OR CONCRETE BLOCK SUBSTRATE

JAMB MOUNTING INSTALLATIONS INTO SUBSTRATES, BY MEANS OF 1X, 2X WOOD BUCK OR METAL MULLION MAY BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION AT JAMBS.

SECTION F-F @ TRANSOM

SCALE: 3/8"=1'

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

SERIES ADC-112356 ALUMINUM OUTSWING FRENCH DOOR W/RO TRANSOM OR SIDELIGHTS

DRAWN BY

ALUMINA DISTRIBUTION CENTER
14475 SW 26 pl, AVE.
Dunnellon, FL

DATE
08/08/17

P.E. SEAL/ENCUMBERED/DATE
SECTION G-G SINGLE DOOR
W/ SIDELITES
SIZE: 1/4'-1"
SECTION H-H DOUBLE DOOR
W/ SIDELITES

WOOD SUBSTRATE*

ALUMINUM MULLION OR STEEL MEMBER SUBSTRATE*

2x WOOD DUCKS (SEE NOTES 6/1, 9/1)

MASONRY MOUNTING INSTALLATIONS INTO SUBSTRATES, 
BY MEANS OF 1X, 2X WOOD DUCK OR METAL 
MOULINN MAY BE COMBINED IN ANY WAY TO SUIT 
ANY INSTALLATION AT MASONRY.

SEE SCHEDULE ON SHEET 4.

** PRODUCT REVISED 
2020 by P:\STDL\TILECO\DRAFT\17519\17519.LIC.E

4017 PINESTREE, SUITE 300, ST. PETERSBURG, FL 33704-4527
5522-715-6880, 715-6881
www.tilecoinc.com

TILECO INC.

SERIES AEC-11256 ALUMINUM 
OUTSWING FRENCH DOOR W/ NO TRANSOM 
OR SIDELITES

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

P.O. BOX 1217 
ST. PETERSBURG, FL 33731-1217

P: 727-862-5616 
F: 727-862-5656

17-519

1

1

2X WOOD DUCKS (SEE NOTES 6/1, 9/1)

ALUMINUM MULLION OR STEEL MEMBER SUBSTRATE*

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SEE SCHEDULE ON SHEET 4.
# Single & Double Door Schedule Only Valid for Doors w/o Transom and w/o Sidelite

<table>
<thead>
<tr>
<th>Max. ASD Design Pressure Rating</th>
<th>Max. Door Width</th>
<th>Max. Door Height</th>
<th>Max. Door Width</th>
<th>Max. Door Height</th>
<th>Max. Door Width</th>
<th>Max. Door Height</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Single Door</td>
<td>Double Door</td>
<td>Single Door</td>
<td>Double Door</td>
<td>Single Door</td>
<td>Double Door</td>
</tr>
<tr>
<td>45 psf</td>
<td>3'-5 1/2&quot;</td>
<td>6'-8&quot;</td>
<td>10'-0&quot;</td>
<td>9'-2 1/2&quot;</td>
<td>2'-4&quot;</td>
<td>8'-8&quot;</td>
</tr>
<tr>
<td>60 psf</td>
<td>3'-5 1/2&quot;</td>
<td>6'-8&quot;</td>
<td>9'-6&quot;</td>
<td>9'-2 1/2&quot;</td>
<td>2'-4&quot;</td>
<td>8'-4&quot;</td>
</tr>
<tr>
<td>75 psf</td>
<td>3'-5 1/2&quot;</td>
<td>6'-8&quot;</td>
<td>9'-4&quot;</td>
<td>9'-1 1/2&quot;</td>
<td>2'-4&quot;</td>
<td>8'-0&quot;</td>
</tr>
<tr>
<td>90 psf</td>
<td>3'-5 1/2&quot;</td>
<td>6'-8&quot;</td>
<td>9'-0&quot;</td>
<td>8'-9 1/2&quot;</td>
<td>2'-4&quot;</td>
<td>7'-8&quot;</td>
</tr>
<tr>
<td>105 psf</td>
<td>3'-5 1/2&quot;</td>
<td>6'-8&quot;</td>
<td>8'-8&quot;</td>
<td>8'-5 1/2&quot;</td>
<td>2'-4&quot;</td>
<td>7'-4&quot;</td>
</tr>
</tbody>
</table>

*Door sash widths may be different from each other when double doors are used.*

---

# Single & Double Door Schedule Valid for Doors w/ Transom or w/ Sidelite

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Single Door</td>
<td>Double Door</td>
<td>Single Door</td>
<td>Double Door</td>
<td>Single Door</td>
<td>Double Door</td>
</tr>
<tr>
<td>70 psf</td>
<td>3'-5 1/2&quot;</td>
<td>6'-8&quot;</td>
<td>3'-2 1/2&quot;</td>
<td>7'-7 5/8&quot;</td>
<td>2'-4&quot;</td>
<td>7'-0&quot;</td>
</tr>
<tr>
<td></td>
<td>6'-8&quot;</td>
<td>8'-4&quot;</td>
<td>3'-2 1/2&quot;</td>
<td>7'-7 5/8&quot;</td>
<td>2'-4&quot;</td>
<td>7'-0&quot;</td>
</tr>
<tr>
<td></td>
<td>4'-0&quot;</td>
<td>8'-4&quot;</td>
<td>3'-10 1/2&quot;</td>
<td>7'-7 5/8&quot;</td>
<td>3'-4&quot;</td>
<td>7'-0&quot;</td>
</tr>
<tr>
<td></td>
<td>3'-5 1/2&quot;</td>
<td>4'-0&quot;</td>
<td></td>
<td>3'-0 1/2&quot;</td>
<td>3'-7&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6'-8&quot;</td>
<td>4'-0&quot;</td>
<td></td>
<td>6'-3&quot;</td>
<td>3'-7&quot;</td>
<td></td>
</tr>
</tbody>
</table>

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*Product Revised as complying with the Florida Building Code NDB-1102.10*

Expiration Date: 10/08/2020

By:

---

**Florida Building Code (High Velocity Hurricane Zone)**

**Tillico Inc.**

**Alumina Distribution Center**

14120 W 26th Ave.

Opa-Locka, FL

33054-3151

**Drawing No.:** 17-151

**Product:** 17-151

**Date:** 08/2017

**Sheet:** 21 of 14
### Maximum Anchor Spacing "S" & Corresponding ASD Design Pressure Rating Schedule at Jams of Door, Sidelite & Transom

<table>
<thead>
<tr>
<th>Substrate</th>
<th>Anchor Type</th>
<th>A.S.D. Design Pressure Rating (psf)</th>
<th>&quot;S&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>1/4&quot; x ITW/BULDEX TAPCON ANCHOR (2)</td>
<td>+70.0, -70.0</td>
<td>11&quot; O.C.</td>
</tr>
<tr>
<td>Block</td>
<td>1/4&quot; x ITW/BULDEX TAPCON ANCHOR (2)</td>
<td>+70.0, -70.0</td>
<td>11&quot; O.C.</td>
</tr>
<tr>
<td>Wood</td>
<td>1/4&quot; x ITW/BULDEX TAPCON ANCHOR (2)</td>
<td>+70.0, -70.0</td>
<td>11&quot; O.C.</td>
</tr>
<tr>
<td>Aluminum Tube or Steel Member</td>
<td>4&quot; x 1/4 ITW/BULDEX TEK SCREW (2)</td>
<td>+70.0, -70.0</td>
<td>11&quot; O.C.</td>
</tr>
</tbody>
</table>

### Required Number of Anchors at Head & Sill: Cluster of Anchors at Sidelite & Door Jambs Mullions & Corresponding ASD Design Pressure Rating

<table>
<thead>
<tr>
<th>ASD Design Pressure Rating</th>
<th>Max. Transom Width</th>
<th>Max. Door Frame Height</th>
<th>Transom Height</th>
<th>Substrate</th>
<th>A.S.D. Design Pressure Rating (psf)</th>
<th>&quot;S&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>+45, -45 psf</td>
<td>6&quot; - 8&quot;</td>
<td>8&quot; - 4&quot;</td>
<td>2&quot; - 0&quot;</td>
<td>Concrete</td>
<td>4 ANCHORS</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3&quot; - 0&quot;</td>
<td>Concrete</td>
<td>4 ANCHORS</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4&quot; - 0&quot;</td>
<td>Concrete</td>
<td>4 ANCHORS</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2&quot; - 0&quot;</td>
<td>Concrete</td>
<td>6 ANCHORS</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3&quot; - 0&quot;</td>
<td>Concrete</td>
<td>6 ANCHORS</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4&quot; - 0&quot;</td>
<td>Concrete</td>
<td>6 ANCHORS</td>
<td></td>
</tr>
<tr>
<td></td>
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<td></td>
<td>2&quot; - 0&quot;</td>
<td>Concrete</td>
<td>4 ANCHORS</td>
<td></td>
</tr>
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<td>3&quot; - 0&quot;</td>
<td>Concrete</td>
<td>4 ANCHORS</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4&quot; - 0&quot;</td>
<td>Concrete</td>
<td>4 ANCHORS</td>
<td></td>
</tr>
</tbody>
</table>

**PRODUCT REVISED as complying with the Florida Building Code NOA-No. 17-1102.10**
Expiration Date: 10/06/2020
By: Manual-Safe Product Control

---

**Florida Building Code (High Velocity Hurricane Zone)***
FRAME CORNER DETAIL
(ISOMETRIC)
N. T. S.

DOOR PANEL & PANEL CORNER DETAIL
(ISOMETRIC)
N. T. S.