NOTICE OF ACCEPTANCE (NOA)

General Impact Glass & Windows Corp.
290 West 78 Road
Hialeah, FL 33014

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 "11000 High Impact 9'0" Aluminum Sliding Glass Door – L.M.I.

APPROVAL DOCUMENT: Drawing No. 17-147, titled “Series 11000 Impact Sliding Glass Door”, sheets 1 thru 7, 7A, 8 and 9 thru 18 of 18, dated 10/30/18, with revision #2 dated 10/30/18, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E., bearing the Miami-Dade County Product Control renewal 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

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise 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 renews and revises NOA# 17-1102.16 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 Sifang Zhao, P.E.

NOA No. 18-1108.02
Expiration Date: December 11, 2023
Approval Date: February 07, 2019
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous NOA’s

A. DRAWINGS
1. Manufacturer's die drawings and sections. (Submitted under NOA# 08-1003.06)
2. Drawing No. 17-147, titled “Series 11000 Impact Sliding Glass Door”, sheets 1 thru 7, 7A, 8 and 9 thru 18 of 18, 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. 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 Missile 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 an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-5626, dated 07/22/08, and addendum letter dated 11/14/08, signed and sealed by Carlos Rionda, P.E. (Submitted under NOA# 08-1003.06)

C. CALCULATIONS
1. Anchor verification calculations and structural analysis, complying with FBC-5th Edition (2014), prepared by Tilteco, Inc., dated 06/04/15, signed and sealed by Walter A. Tillit, Jr., P.E.
2. Glazing complies with ASTM E1300-04

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 PVB Glass Interlayer” (formerly Butacite PVB) dated 01/19/17, expiring on 07/08/19.

F. STATEMENTS

Sifang Zhao, P.E.
Product Control Examiner
NOA No. 18-1108.02
Expiration Date: December 11, 2023
Approval Date: February 07, 2019
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (CONTINUED)
   3. Statement letter of conformance, complying with FBC-2010, and of no financial
      interest, dated September 17, 2008, and January 27, 2012, issued by Tilteco, Inc.,
      signed and sealed by Walter A. Tillit, Jr., P.E. *(Submitted under NOA# 08-1003.06)*
   4. Laboratory compliance letter for Test Report No. FTL-5626, issued by Fenestration
      Testing Laboratory, Inc., dated 11/14/08, signed and sealed by Joseph Chan, P.E.
      *(Submitted under NOA# 08-1003.06)*

G. OTHERS

2. New evidence submitted

A. DRAWINGS
   1. Drawing No. 17-147, titled “Series 11000 Impact Sliding Glass Door”, sheets 1 thru 7,
      7A, 8 and 9 thru 18 of 18, dated 10/30/18 with revision #2 dated 10/30/18, 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. 17-1114.14 issued to Kuraray America, Inc. for their
      “Trosifol® Ultracear, Clear and Color PVB Glass Interlayer” (formerly Butacite
      PVB) dated 01/18/2018, expiring on 07/08/19.

F. STATEMENTS
   1. None.

G. OTHERS

Sifang Zhao, P.E.
Product Control Examiner
NOA No. 18-1108.02
Expiration Date: December 11, 2023
Approval Date: February 07, 2019
GENERAL NOTES:

1. SERIES 11000 HIGH IMPACT SLIDING GLASS DOOR, SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) WAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2017 (6TH EDITION) OF THE FLORIDA BUILDING CODE. SERIES 11000 HIGH IMPACT SLIDING GLASS DOOR MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES. DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 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.

IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED FOR ASCE 7-10 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.80 IN ORDER TO COMPARISON THESE W/ MAX. (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON NOTE 3 BELOW.

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 C=1.60 WAS USED TO VERIFY FASTENERS IN WOOD.

2. REMAINING COMPONENTS FOR THIS SLIDING GLASS DOOR SYSTEM SHALL BE AS INDICATED ON BILL OF MATERIALS AND COMPONENT SHEETS 2 AND 3 RESPECTIVELY OF THIS DRAWING.

3. MAXIMUM A.S.D. DESIGN PRESSURE RATINGS FOR THESE DOORS SHALL BE AS SHOWN ON SHEET 4, SEE DOOR ELEVATIONS ON SHEETS 4 THRU 7 FOR QUALIFIED CONFIGURATIONS.

4. THIS SERIES 11000 HIGH IMPACT SLIDING GLASS DOOR WILL NOT REQUIRE A HURRICANE PROTECTION DEVICE.

5. THIS SERIES 11000 HIGH IMPACT SLIDING GLASS DOOR IS APPROVED FOR AIR AND WATER INTEGRATION.

6. ALL ALUMINUM EXTRUSIONS SHALL BE ALUMINUM ASSOCIATION 6063-T6 ALLOY AND TEMPER, WITH FY=25.0 ksi MINIMUM. THE THICKNESS OF ALL EXTRUSIONS IS TO BE SHOWN ON THIS DRAWING.

7. ALL SCREWS USED FOR ASSEMBLY CONNECTIONS (METAL TO METAL) TO BE STAINLESS STEEL 304 OR 316 ANSI SERIES OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018 WITH 50 ksi YIELD STRENGTH AND 90 ksi TENSILE STRENGTH & SHALL COMPLY W/ FLORIDA BUILDING CODE SECTION 2411.3.3.4.

8. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE BUILDING STRUCTURE. WOOD BUCKS MUST BE SOUTHERN PINE, Grade 55, AND SHALL COMPLY WITH SECTIONS 2411.3.3.3 & 2326 OF THE 2017 (6TH EDITION) OF THE FLORIDA BUILDING CODE.

9. ANCHOR NOTES:

(A) TO EXISTING Poured CONCRETE: (MIN. Yc = 3,000 psi), MIN. EDGE DISTANCE = 2 1/2'.
   - 1/4" TAPCON w/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW BUILDEX, INC (COMPONENT 2).
   - 1/4" KWK-CON II w/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY HILTI, INC (COMPONENT 3).
   - 1/4" TAPCON w/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW BUILDEX, INC. (COMPONENT 3).
   - 1/4" KWK-CON II w/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY HILTI, INC (COMPONENT 3).
   - 1/4" TAPCON w/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW BUILDEX, INC. (COMPONENT 3).
   - 1/4" TAPCON w/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW BUILDEX, INC. (COMPONENT 3).
   - 1/4" TAPCON w/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW BUILDEX, INC. (COMPONENT 3).
   - 1/4" TAPCON w/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW BUILDEX, INC. (COMPONENT 3).

(B) TO EXISTING A.S.T.M. C-90 CONCRETE BLOCK, MIN. EDGE DISTANCE = 2 1/2'.
   - 1/4" TAPCON w/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW BUILDEX, INC. (COMPONENT 3).
   - 1/4" TAPCON w/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW BUILDEX, INC. (COMPONENT 3).
   - 1/4" TAPCON w/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW BUILDEX, INC. (COMPONENT 3).

(C) TO EXISTING 2X P.T. WOOD BUCK, MIN. EDGE DISTANCE = 1'.
   - 1/4" TAPCON w/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW BUILDEX, INC. (COMPONENT 3).
   - 1/4" TAPCON w/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW BUILDEX, INC. (COMPONENT 3).
   - 1/4" TAPCON w/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW BUILDEX, INC. (COMPONENT 3).
   - 1/4" TAPCON w/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW BUILDEX, INC. (COMPONENT 3).

10. PROVIDE 1/4" MAX. SHIM SPACE (TYP.).

11. SERIES 11000 HIGH IMPACT SLIDING GLASS DOOR MANUFACTURERED LABEL SHALL BE PLACED ON A READILY VISIBLE LOCATION. ONE LABEL SHALL BE PLACED FOR EVERY UNIT. LABEL SHALL READ AS FOLLOWS.

GENERAL IMPACT GLASS AND WINDOWS, CORP.
HAILEPAC, INC.
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.

12. (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 DEVATE 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 HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

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

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

PRODUCT RENEWED NO: compliant with the Florida Building Code
Acceptance No: 17-147
Registration Date: 10/29/18
By:

© 2017 TiLeCO INC.

17-147
DRAFTING No: 10/29/18

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

SERIES 11000 HIGH IMPACT SLIDING GLASS DOOR

10/29/18

DATE

17-147

DRAWING No.
BILL OF MATERIALS

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART #</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GIC301-1</td>
<td>FRAME HEAD</td>
<td>6063-16</td>
</tr>
<tr>
<td>2</td>
<td>GIC302-1</td>
<td>FRAME SILL</td>
<td>6063-16</td>
</tr>
<tr>
<td>3</td>
<td>GIC303-1</td>
<td>FRAME JAMB</td>
<td>6063-16</td>
</tr>
<tr>
<td>4</td>
<td>GIC304-1</td>
<td>TOP RAIL</td>
<td>6063-16</td>
</tr>
<tr>
<td>5</td>
<td>GIC305-1</td>
<td>BOTTOM RAIL</td>
<td>6063-16</td>
</tr>
<tr>
<td>6</td>
<td>GIC306-1</td>
<td>LOCK STILE</td>
<td>6063-16</td>
</tr>
<tr>
<td>7</td>
<td>GIC307-1</td>
<td>MEETING STILE OUTER INTERLOCK</td>
<td>6063-16</td>
</tr>
<tr>
<td>8</td>
<td>GIC308-1</td>
<td>MEETING STILE INNER INTERLOCK</td>
<td>6063-16</td>
</tr>
<tr>
<td>9</td>
<td>GIC309-1</td>
<td>CENTERNATE FEMALE ASTRAGAL</td>
<td>6063-16</td>
</tr>
<tr>
<td>10</td>
<td>GIC310</td>
<td>GLAZING BEAD</td>
<td>6063-16</td>
</tr>
<tr>
<td>11</td>
<td>GIC311</td>
<td>INTERLOCK STIFFENER</td>
<td>6063-16</td>
</tr>
<tr>
<td>12</td>
<td>GIC312</td>
<td>RETAINER CLIP, 4&quot; LONG</td>
<td>6063-16</td>
</tr>
<tr>
<td>13</td>
<td>GIC313</td>
<td>FIXED PANEL CLIP, 8&quot; LONG</td>
<td>6063-16</td>
</tr>
<tr>
<td>14</td>
<td>-</td>
<td>OPTIONAL INTERIOR REINFORCEMENT FOR FEMALE ASTRAGAL ONLY REQUIRED FOR 7' &amp; 8' DOORS</td>
<td>6063-16</td>
</tr>
<tr>
<td>15</td>
<td>-</td>
<td>OPTIONAL EXTERIOR REINFORCEMENT FOR FEMALE ASTRAGAL ONLY REQUIRED FOR 7' &amp; 8' DOORS</td>
<td>6063-16</td>
</tr>
<tr>
<td>16</td>
<td>W223511K</td>
<td>TOP RAIL + JAMB + STILE + ASTRAGAL WEATHER STRIPPING</td>
<td>NEOPRENE</td>
</tr>
<tr>
<td>17</td>
<td>GIC315</td>
<td>BOTTOM RAIL SEAL</td>
<td>VINYL</td>
</tr>
<tr>
<td>18</td>
<td>GIC314</td>
<td>SETTING BLOCK</td>
<td>NEOPRENE</td>
</tr>
<tr>
<td>19</td>
<td>GIC316</td>
<td>GLAZING BULB</td>
<td>NEOPRENE</td>
</tr>
<tr>
<td>20</td>
<td>FASTENER</td>
<td>PANEL ASSEMBLY SCREWS, #10 x 1 1/4&quot; P.H. S.D.S.</td>
<td>S.T. STEEL</td>
</tr>
<tr>
<td>21</td>
<td>FASTENER</td>
<td>FRAME ASSEMBLY SCREWS, #10 x 1 1/4&quot; F.H. S.D.S.</td>
<td>S.T. STEEL</td>
</tr>
<tr>
<td>22</td>
<td>FASTENER</td>
<td>FIXED PANEL CLIP FASTENER, (3) #10 x 1/2&quot; PH S.D.S.</td>
<td>S.T. STEEL</td>
</tr>
<tr>
<td>23</td>
<td>-</td>
<td>PANEL GUIDE (TOP ONLY) AT EACH END OF EACH PANEL @ 2/3 PANEL</td>
<td>CELCON</td>
</tr>
<tr>
<td>24</td>
<td>#1939-5010-55</td>
<td>GLASS PANEL ROLLER ASSEMBLY AT (2) 25 PER OPERABLE PANEL @ EACH END OF PANEL</td>
<td>ST. STEEL</td>
</tr>
<tr>
<td>25</td>
<td>FASTENER</td>
<td>(21) 2&quot; x 20&quot; x 1&quot; T.H. 5/16&quot; S.M.S. TO STILES ASTRAGAL FOR EACH ROLLER ASSEMBLY FASTENING</td>
<td>STEEL</td>
</tr>
<tr>
<td>26</td>
<td>2300-1506S / #623Z</td>
<td>HANDLE LOCK (INTERIOR AND EXTERIOR) @ 30 1/2&quot; BOTTOM WITH LOCK INSTALLATION SCREW (2) #6-32 x 3&quot; F.H. M.S. S.S. INCLUDES 1&quot; HANDLE @ 35 1/2&quot;</td>
<td>ST. STEEL</td>
</tr>
<tr>
<td>27</td>
<td>2500-10612</td>
<td>LOCK PLATE STRIKE PLATE MOUNTING SCREW (2) #10 x 1 1/4&quot; P.H. S.D.S.</td>
<td>S.T. STEEL</td>
</tr>
<tr>
<td>28</td>
<td>ANCHORS</td>
<td>1/4&quot; TAP WIDEX TAPCON OR 1/4&quot; TAP WIDEX HEX-CON ANCHOR (SEE SCHEDULE ON SHEET 7A)</td>
<td>STEEL</td>
</tr>
<tr>
<td>29</td>
<td>ANCHORS</td>
<td>1/4&quot; x 1-1/2&quot; TAP WIDEX TAPCON (SEE SCHEDULE ON SHEET 7A)</td>
<td>STEEL</td>
</tr>
<tr>
<td>30</td>
<td>GLAZING SILICONE SEALANT</td>
<td>STRUCTURAL SILICONE GE SCS2800, DOW CORNING 795 &amp; PECORA 896</td>
<td>STRUCTURAL SILICONE</td>
</tr>
<tr>
<td>31</td>
<td>GLASS</td>
<td>0.0458 OVERALL LAMINATED GLASS W/ (1) 0.185&quot; HEAT STRENGTHENED GLASS + (1) 0.085&quot; BUTACITE PVB INTERLAYER BY KURAYAMA AMERICA, INC. + (1) 0.185&quot; HEAT STRENGTHENED GLASS</td>
<td>SILICONE</td>
</tr>
<tr>
<td>32</td>
<td>-</td>
<td>BUMPER SPACER, 1/4&quot; DIAMETER HALF SPHERICAL, CLEAR</td>
<td>SILICONE</td>
</tr>
</tbody>
</table>

GLAZING DETAIL (SECTION)

SCALE: 1/2" = 1'

PRODUCT REVIEWED:
FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

© 2017 TILTECO INC.

GENERAL

SERIES 11000 HIGH IMPACT SLIDING GLASS DOOR

DRAWN BY:

DATE:

SHEET 2 OF 10
TYPICAL EXTERIOR ELEVATION (OXXO)

SCALE: 1/2" = 1'-0"

* SEE SHEET 7A FOR MAXIMUM ANCHOR SPACING AT JAMBS.
TYPICAL EXTERIOR ELEVATION (OXX)

SCALE: 1/2" = 1'-0"

* SEE SHEET 7A FOR MAXIMUM ANCHOR SPACING AT JAMBS.

TYPICAL EXTERIOR ELEVATION (OXX)

SCALE: 1/2" = 1'-0"

* SEE SHEET 7A FOR MAXIMUM ANCHOR SPACING AT JAMBS.

** FOR MAXIMUM FRAME & D.L.O.
SEE SCHEDULE ON SHEET 4
TYPICAL EXTERIOR ELEVATION (XXXX)

SCALE: 1/2" = 1'-0"

* SEE SHEET 7A FOR MAXIMUM ANCHOR SPACING AT JAMBS.

** FOR MAXIMUM FRAME & D.L.O.
SEE SCHEDULE ON SHEET 4
NUMBER OF ANCHORS AT CLUSTER 0 AT HEAD & SILL CONNECTION SCHEDULE FOR A GIVEN ANCHOR TYPE, SUBSTRATE & MAX. A.S.D. DESIGN PRESSURE RATING

**Maximum Anchors Spacing "S"** AT JAMBS CONNECTION SCHEDULE FOR A GIVEN ANCHOR TYPE, SUBSTRATE & MAX. A.S.D. DESIGN PRESSURE RATING

<table>
<thead>
<tr>
<th>Maximum Frame Height</th>
<th>Anchor Type</th>
<th>Substrate</th>
<th>For Tapcon</th>
<th>For Kwik-Con II</th>
</tr>
</thead>
<tbody>
<tr>
<td>9'-0&quot;</td>
<td>1/4&quot; Tapcon</td>
<td>Poured Concrete</td>
<td>+60, -60 psf</td>
<td>9  5</td>
</tr>
<tr>
<td>1/4&quot; Tapcon</td>
<td></td>
<td>Kwik-Con II</td>
<td>+75, -75 psf</td>
<td>11 5</td>
</tr>
<tr>
<td>1/4&quot; Tapcon</td>
<td></td>
<td>Wood</td>
<td>+85, -85 psf</td>
<td>11 7</td>
</tr>
<tr>
<td>1/4&quot; Tek Screw</td>
<td></td>
<td>Aluminum Mullion or Steel Member</td>
<td>+85, -85 psf</td>
<td>19 7</td>
</tr>
<tr>
<td>1/4&quot; Tapcon</td>
<td></td>
<td>Poured Concrete</td>
<td>+91, -99 psf</td>
<td>9  7</td>
</tr>
<tr>
<td>1/4&quot; Tek Screw</td>
<td></td>
<td>Kwik-Con II</td>
<td>+100, -120 psf</td>
<td>17 9</td>
</tr>
<tr>
<td>1/4&quot; Tapcon</td>
<td></td>
<td>Wood</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>1/4&quot; Tapcon</td>
<td></td>
<td>Aluminum Mullion or Steel Member</td>
<td>+100, -120 psf</td>
<td>17 9</td>
</tr>
<tr>
<td>1/4&quot; Tek Screw</td>
<td></td>
<td>Poured Concrete</td>
<td>+75, -75 psf</td>
<td>9  8</td>
</tr>
<tr>
<td>1/4&quot; Tek Screw</td>
<td></td>
<td>Kwik-Con II</td>
<td>+85, -85 psf</td>
<td>11 7</td>
</tr>
<tr>
<td>1/4&quot; Tek Screw</td>
<td></td>
<td>Wood</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>1/4&quot; Tapcon</td>
<td></td>
<td>Aluminum Mullion or Steel Member</td>
<td>+91, -99 psf</td>
<td>13 7</td>
</tr>
<tr>
<td>1/4&quot; Tapcon</td>
<td></td>
<td>Poured Concrete</td>
<td>+100, -120 psf</td>
<td>17 9</td>
</tr>
<tr>
<td>1/4&quot; Tek Screw</td>
<td></td>
<td>Kwik-Con II</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>1/4&quot; Tapcon</td>
<td></td>
<td>Wood</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>1/4&quot; Tapcon</td>
<td></td>
<td>Aluminum Mullion or Steel Member</td>
<td>+91, -99 psf</td>
<td>13 7</td>
</tr>
<tr>
<td>1/4&quot; Tek Screw</td>
<td></td>
<td>Poured Concrete</td>
<td>+100, -120 psf</td>
<td>17 9</td>
</tr>
<tr>
<td>1/4&quot; Tek Screw</td>
<td></td>
<td>Kwik-Con II</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>1/4&quot; Tapcon</td>
<td></td>
<td>Wood</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>1/4&quot; Tapcon</td>
<td></td>
<td>Aluminum Mullion or Steel Member</td>
<td>+91, -99 psf</td>
<td>13 7</td>
</tr>
<tr>
<td>1/4&quot; Tek Screw</td>
<td></td>
<td>Poured Concrete</td>
<td>+100, -120 psf</td>
<td>17 9</td>
</tr>
<tr>
<td>1/4&quot; Tek Screw</td>
<td></td>
<td>Kwik-Con II</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Corresponds to Cluster of 29 or 30 Anchors at 6 of Stiles/Astragal Location**

(See Detail Y)

**Detail Y - Y**

Jamb Case

**Detail X - X**

Head & Sill Case

N.T.S.

**Corresponds to Cluster of 29 or 30 Anchors at 6 of Stiles/Astragal Location**

(See Detail Y)
NOTES:
1. FOR MAXIMUM FRAME & D.L.O. SEE SCHEDULE ON SHEET A & FOR ANCHOR'S CONCENTRATION NEEDED AT STILES/ASTRALG SEE SCHEDULE ON SHEET A.
2. SUBSTRATES CAN BE COMBINED AS APPLICABLE.

SECTION A-A
SCALE: 3/8"=1"
WOOD SUBSTRATE

POURED CONCRETE/CONCRETE BLOCK SUBSTRATE

STEEL MEMBER SUBSTRATE

NOTES:
1. FOR MAXIMUM FRAME & D.L.O., SEE SCHEDULE ON SHEET 4 & FOR ANCHOR'S CONCENTRATION NECESSARY AT STILES/ASTRAGAL, SEE SCHEDULE ON SHEET 7A.
2. SUBSTRATES CAN BE COMBINED AS APPLICABLE.

SECTION B-B

SCALE: 3/8"=1"
**SECTION C-C (XO)**

**SCALE: 3/8''=1'-0''**

- **STEEL MEMBER BY OTHERS SHALL CONFORM TO A.S.T.M. A-36/SA-36 OR A-36 W/12 GAGE maximum wall thickness.**
- **ALUMINUM ALLOY 6063-T5 Miami Dade County Approved Mullion (under separate approval).**
- **1/8'' MINIMUM WALL THICKNESS.**

**NOTES:**
1. FOR MAXIMUM FRAME & D.L.O. SEE SCHEDULE ON SHEET 4 FOR ANCHOR'S SPACING SEE SCHEDULE ON SHEET 7A.
2. SUBSTRATES CAN BE COMBINED AS APPLICABLE.

**SECTION D-D**

**SCALE: 3/8''=1'-0''**

- **POURED CONCRETE OR CONCRETE BLOCK REQ'D.**
- **1/4'' MAX. SHIM.**

**GENERAL**

- **FLORIDA BUILDING CODE (High Velocity Hurricane Zone)**
- **10/30/16**
- **17-147**
- **SHEET 13 OF 19**