NOTICE OF ACCEPTANCE (NOA)

PGT Industries, Inc.
1070 Technology Drive,
North Venice, FL 34275

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 "5570/2770" Vinyl Sliding Glass Door (Reinforced)-L.M.I

APPROVAL DOCUMENT: Drawing No. MD-5570.0, titled "Vinyl Sliding Glass Door NOA (LM)" sheets 1 through 21 of 21, prepared by manufacturer, dated 10/05/15, with revision A dated 04/05/17, signed and sealed by A. Lynn Miller, 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

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state 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 replaces NOA #15-1210.01 and consists of this page 1 and evidence pages E-1, E-2, E-3 & E-4 as well as approval document mentioned above.

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

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS
1. Manufacturer's die drawings and sections.
   (Submitted under NOA No. 11-0107.04)
2. Drawing No. MD-5570.0, titled "Vinyl Sliding Glass Door NOA (LM)", sheets 1 through 21 of 21, prepared by manufacturer, dated 10/05/15, with revision A dated 04/05/17, signed and sealed by A. Lynn Miller, P.E.

B. TESTS
1. Test report on
   1) Uniform Static Air Pressure Test, per FBC, TAS 202-94
   2) Large Missile Impact Test per FBC, TAS 201-94
   3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   along with marked-up drawings and installation diagram of vinyl sliding glass door, prepared by Fenestration Testing Lab, Inc., Test Report No. FTL 8717, dated 12/07/15, signed and sealed by Idalnis Ortega, P.E. (Test report revised on 02/13/16 and 02/24/16)
2. Test report on
   1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, 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, TAS 202-94
   along with marked-up drawings and installation diagram of vinyl sliding glass door, prepared by Fenestration Testing Lab, Inc., Test Report No. FTL 8546, dated 11/06/15, signed and sealed by Idalnis Ortega, P.E. (Test report revised on 01/04/16 and 02/11/2016)
3. Test report on
   1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, 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, TAS 202-94
   along with marked-up drawings and installation diagram of vinyl sliding glass door, prepared by Fenestration Testing Lab, Inc., Test Report No. FTL 8547, dated 12/04/15, signed and sealed by Idalnis Ortega, P.E. (Test report revised on 02/15/16)
4. Test report on
   1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, 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, TAS 202-94
   along with marked-up drawings and installation diagram of vinyl sliding glass door, prepared by Fenestration Testing Lab, Inc., Test Report No. FTL 8548, dated 12/04/15, signed and sealed by Idalnis Ortega, P.E. (Test report revised on 01/04/16 and 02/11/16)

Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 17-0420.06
Expiration Date: April 14, 2021
Approval Date: September 28, 2017

E -1
B. TESTS (continued)

5. Test report on
   1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, 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, TAS 202-94
   along with marked-up drawings and installation diagram of vinyl sliding glass door, prepared by
   Fenestration Testing Lab, Inc., Test Report No. FTL 8549, dated 11/06/15, signed and sealed by
   Idalmis Ortega, P. E. (Test report revised on 12/04/15 and 02/11/16)

6. Test report on
   1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, 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
   along with marked-up drawings and installation diagram of vinyl sliding glass door, prepared by
   Fenestration Testing Lab, Inc., Test Report No. FTL 8552, dated 12/04/15, signed and sealed by
   Idalmis Ortega, P. E. (Test report revised on 02/15/2016)

7. Test report on
   1) Uniform Static Air Pressure Test, per FBC, TAS 202-94
   2) Large Missile Impact Test per FBC, TAS 201-94
   3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   along with marked-up drawings and installation diagram of vinyl sliding glass door, prepared by
   Fenestration Testing Lab, Inc., Test Report No. FTL 6638 (samples A-1 thru A-22), dated
   11/19/10, signed and sealed by Jorge A. Causo, P. E.
   (Submitted under NOA No. 11-0107.04)

8 Test report on
   1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, 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, TAS 202-94
   along with marked-up drawings and installation diagram of vinyl sliding glass door, prepared by
   Fenestration Testing Lab, Inc., Test Report No. FTL 6337 (samples A-1 thru A-5), dated 12/06/10,
   signed and sealed by Jorge A. Causo, P. E.
   (Submitted under NOA No. 11-0107.09)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2014, prepared
   by PGT, dated 12/09/15 and last revised on 02/15/16, signed and sealed by Anthony L. Miller,
   P.E.
   (Submitted under NOA No. 15-1210.01)
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C.  CALCULATIONS (cont.)
   2.  Glazing complies with ASTM-E-1300-09

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

E.  MATERIAL CERTIFICATIONS
   4.  Notice of Acceptance No. 16-0712.02 issued to ENERGI Fenestration Solutions USA, Inc. for their “TAN 3040 and Lighter Shades (Non-White) Rigid PVC Exterior Extrusions for Windows and Doors” dated 09/15/16, expiring on 02/04/21.
   5.  Notice of Acceptance No. 16-0712.04 issued to ENERGI Fenestration Solutions USA, Inc. for their “Bronze and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors” dated 09/15/16, expiring on 04/16/20.
   6.  Notice of Acceptance No. 16-0712.03 issued to ENERGI Fenestration Solutions USA, Inc. for their “White Rigid PVC Exterior Extrusions for Windows and Doors” dated 08/10/17, expiring on 02/28/18.
   7.  Test reports No(s). 10-002-792(A), 10-06-M0527, 535753-09, per ASTM-E-84, ASTM D1929 and ASTM-D-635, issued by EXOVA to Vision Extrusion for cellulosic composite material.
      (Submitted under NOA No. 11-0107.04)
   8.  Notice of Acceptance No. 14-0916.11 issued to Kuraray America., Inc. for their “SentryGlas® (Clear and White) Interlayer”, expiring on 07/04/18.
   9.  Notice of Acceptance No. 16-1117.01 issued to Kuraray America, Inc. for their “Trosifol® Ultra Clear, Clear and Color PVB Interlayers”, expiring on 07/08/19.
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS
   2. Statement letter of no financial interest, dated 04/18/17, issued by manufacturer, signed & sealed by Lynn Miller, P.E.
   3. Letter of lab compliance, part of the above test reports.
   4. RER Test Proposal No. 17-0387, dated 05/05/17, signed by Ishaq Chanda, P.E.

G. OTHER
   1. Notice of Acceptance No. 15-1210.01, issued to PGT Industries, for their Series "5570/2770" Vinyl Sliding Glass Door (Reinforced) – L.M.L.**, approved on 03/03/16 and expiring on 04/14/21.

[Signature]
Jorge M. Plascencia, P.E.
Product Control Unit Supervisor
NOA No. 17-0420.06
Expiration Date: April 14, 2021
Approval Date: September 28, 2017
### TABLE A:

<table>
<thead>
<tr>
<th>Group</th>
<th>Anchor</th>
<th>Substrate</th>
<th>Frame Member</th>
<th>Min. Edge Distance</th>
<th>Min. Embedment</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>#12, steel 5/16&quot; (65) or (mix of 11 threads/in)</td>
<td>P-T. Southern Pine (57 SD)</td>
<td>HeadStJamb</td>
<td>1 1/2&quot;</td>
<td>1 1/2&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>P-Asst.</td>
<td>3/8&quot;</td>
<td>3/8&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Black Ash</td>
<td>5/8&quot;</td>
<td>0.060</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(0.002&quot; min. thickness)</td>
<td>5/8&quot;</td>
<td>0.024</td>
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<tr>
<td></td>
<td>1/4&quot; Eloc Ultracorn</td>
<td>P-T. Southern Pine (57 SD)</td>
<td>HeadStJamb</td>
<td>1&quot;</td>
<td>1 1/2&quot;</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>P-Asst.</td>
<td>1&quot;</td>
<td>1&quot;</td>
</tr>
<tr>
<td></td>
<td>1/4&quot; Eloc 410 S. Crete-Flex</td>
<td>P-T. Southern Pine (57 SD)</td>
<td>HeadStJamb</td>
<td>1&quot;</td>
<td>1 1/2&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>P-Asst.</td>
<td>1&quot;</td>
<td>1&quot;</td>
</tr>
<tr>
<td>B</td>
<td>#12, steel 5/16&quot; (65) or (mix of 11 threads/in)</td>
<td>Concrete</td>
<td>P-Asst.</td>
<td>1&quot;</td>
<td>1 1/2&quot;</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>Ungrouted CMU (ASTM C 494)</td>
<td>P-Asst.</td>
<td>1&quot;</td>
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<td></td>
<td>1/4&quot; Eloc Ultracorn</td>
<td>Concrete</td>
<td>P-Asst.</td>
<td>1&quot;</td>
<td>1 1/2&quot;</td>
</tr>
<tr>
<td>C</td>
<td>1/4&quot; Eloc 410 S. Crete-Flex</td>
<td>Concrete</td>
<td>P-Asst.</td>
<td>1 1/4&quot;</td>
<td>1 1/4&quot;</td>
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<tr>
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<td>P-Asst.</td>
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<tr>
<td></td>
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<td></td>
<td>(min. 3.35 in)</td>
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<td>1 1/4&quot;</td>
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<td>(min. 3.22 in)</td>
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<tr>
<td></td>
<td>1/4&quot; Eloc 14-9 S. Aggre-Water</td>
<td>Concrete</td>
<td>P-Asst.</td>
<td>1&quot;</td>
<td>1 1/4&quot;</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>Ungrouted CMU (ASTM C 494)</td>
<td>P-Asst.</td>
<td>1 1/4&quot;</td>
</tr>
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<td></td>
<td></td>
<td></td>
<td>(min. 3.25 in)</td>
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<td>1&quot;</td>
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<td></td>
<td></td>
<td></td>
<td>(min. 3.21 in)</td>
<td>P-Asst.</td>
<td>1&quot;</td>
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</tbody>
</table>

**NOTE:**
- MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE. METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.
- UNGRouted CMU VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.

**PRODUCT REVISED** as complying with the Florida Building Code NOA-No.: 17-0420.06

**Expiry Date 04/14/2021**

**GENERAL NOTES:**
- EXAMPLE CONFIGS.  2
- INSTALL DETAILS.  3
- D/P ANCHOR TABLES.  7
- EXAMPLE.  0
- GLAZING DETAILS.  11
- ANCHOR LOCATIONS.  11
- PANEL TYPES.  17
- EXTRUSIONS.  16
- ACCESSORIES.  19
- SCREEN DETAIL.  20
- PARTS LIST.  21

**PRODUCT**

**CODES / STANDARDS USED:**
- 2017 FLORIDA BUILDING CODE (FBC), 6TH EDITION
- 2014 FLORIDA BUILDING CODE (FBC), 6TH EDITION
- ASTM C 683-06
- ASTM C 683-09
- ANSI/AAMA 260-2015 FOR WOOD CONSTRUCTION
- ALUMINUM DESIGN MANUAL, AAMA-2015
- AIA/ASA-100-12
- AISC 360-10

**MATERIALS**

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<thead>
<tr>
<th>Material</th>
<th>Min. Fc</th>
<th>Min. Fm</th>
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<tbody>
<tr>
<td>410 Screw</td>
<td>90 ksi</td>
<td>110 ksi</td>
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<tr>
<td>410 SS Eloc Crete-Flex</td>
<td>70 ksi</td>
<td>90 ksi</td>
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<tr>
<td>410 SS Eloc Crete-Flex</td>
<td>155 ksi</td>
<td>177 ksi</td>
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<tr>
<td>6063-T5 Aluminum</td>
<td>20 ksi</td>
<td>28 ksi</td>
</tr>
<tr>
<td>Electrogalvanized Steel</td>
<td>160 ksi</td>
<td>180 ksi</td>
</tr>
<tr>
<td>Gr. 33 Stainless</td>
<td>130 ksi</td>
<td>150 ksi</td>
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<tr>
<td>Gr. 34 Stainless</td>
<td>195 ksi</td>
<td>220 ksi</td>
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**VINYL SLIDING DOOR NOA (LM)**

<table>
<thead>
<tr>
<th>Material</th>
<th>Min. Fc</th>
<th>Min. Fm</th>
</tr>
</thead>
<tbody>
<tr>
<td>410 Screw</td>
<td>90 ksi</td>
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<tr>
<td>410 SS Eloc Crete-Flex</td>
<td>70 ksi</td>
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<td>410 SS Eloc Crete-Flex</td>
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<tr>
<td>Gr. 34 Stainless</td>
<td>195 ksi</td>
<td>220 ksi</td>
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</table>

**GENERAL NOTES**

<table>
<thead>
<tr>
<th>NOTES</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOS ROSOWSKI</td>
<td>04/05/15</td>
<td>04/05/15</td>
<td>04/05/15</td>
</tr>
</tbody>
</table>
CONFIGURATIONS NOTES:

1) ALL CONFIGURATIONS SHOWN ARE ALSO AVAILABLE AS POCKET CONFIGURATIONS AT EITHER OR BOTH JAMB LOCATIONS. EXAMPLE: 4-PANEL XXXX IN POCKET (p) CONFIGURATION CAN BE pXXX0p, pXXXX OR XXXXp. XXXX IN POCKET CONFIGURATION CAN BE OXXXp.

2) 90° & 135° CORNER CONFIGURATIONS ARE A COMBINATION OF ANY 2 STRAIGHT CONFIGURATIONS.

3) POCKET WALL OR CAVITY IS NOT PART OF THIS APPROVAL AND IS TO BE DESIGNED BY OTHERS AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

4) FOR NOM. PANEL WIDTH, SEE TABLES 1 & 2.

5) MAX. ALLOWABLE FRAME SQUARE FOOTAGE = 472.656 FT²

"X" = OPERABLE PANEL
"O" = INOPERABLE PANEL
"p" = POCKET

DLO WIDTH = NOM. PANEL WIDTH - 0-9/16"
NOM. PANEL WIDTH = PANEL WIDTH + 1-1/32"
DLO HEIGHT = DOOR HEIGHT - 0-1/16"
PANEL HEIGHT = DOOR HEIGHT - 2-1/2"
CONCRETE/CMU PER ANCHOR REQUIREMENT

TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE A, SHEET 1 & NOTE 3, BELOW

ANCHOR PLATE AT EVERY ANCHOR LOCATION

EDGE DISTANCE

1X OR 2X WOOD BUCKSTRIP OR FRAMING, SEE NOTE 3, SHEET 1

TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE A, SHEET 1 & NOTE 3, BELOW

ANCHOR PLATE AT EVERY ANCHOR LOCATION

EDGE DISTANCE

NOTES
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) REFER TO ANCHOR NOTES, SHEET 1.
3) SEE SHEET 13 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 1 & 2.
4) CONTINUOUS ANCHOR PLATE, ITEM #6, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR ASTRAGAL ADD-ON.
6) SEE TABLES 1 & 2 FOR REINFORCEMENT REQUIREMENTS. ALL REINFORCEMENTS ARE APPROXIMATELY THE FULL LENGTH OF THE EXTRUSION. REFER TO TEST REPORTS FOR EXACT DIMENSIONS.
7) SEE SHEET 20 FOR SCREEN DETAILS.

DETAIL A1
THRU 1X WOOD INTO MASONRY

DETAIL B1
ASTRAL AG FACING INT.

DETAIL C1
INTERLOCK

DETAIL D1
METAL TP... SEE ANCHOR NOTE 4, SHEET 1, MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE

FRAME WIDTH

REQUIRED IF DOOR HEIGHT IS OVER 86"

DAYLIGHT OPENING WIDTH

#8 X 3/4" SMS REINFORCEMENT SCREW, 7 PER STILE, LOCATED AT CENTERLINE AND 6", 9" & 12" FROM END (FACTORY INSTALLED)

DETAIL C2
INTERLOCK

DETIAL D2
INTO MASONRY

DETAIL B2
ASTRAL AG FACING INT.

CIRCULAR (OCTOBER) 2021

VINYL SLIDING GLASS DOOR NOA (LM)

100516

INSTALLATION, HORIZONTAL X-SECTION

J. ROSOWSKI

NO CHANGES THIS SHEET.

04/05/17

SGD-5570  NTS  3 OF 21  MD-5570.0  # A

1070 TECHNOLOGY DR
N. VENICE, FL 34275
(844) 460-1000
GCF CE 043090

A. LYNN MILLER, P.E.
P.E. # 58745

ANONYL MILLER
LICENSE

7/17

PROFESSIONAL ENGINEER

FLORIDA STATE BOARD OF PROFESSIONAL ENGINEERS

EXPIRATION DATE 04/14/2021

PRODUCT REVISED
AS COMPLYING WITH THE FLORIDA BUILDING CODE
NOA-0420-06

SLIDING GLASS DOOR SYSTEM

REINFORCEMENT TYPES (SEE NOTE 6, THIS SHEET)

FOR ALL LOCKSTYLES, ASTRAGALS, FIXED STYLES AND HORIZONTAL RAILS

REINFORCEMENT ONLY

STANDARD

HD

FOR INTERLOCK

REFER TO SHEET 19 FOR ANCHOR REQUIREMENT

FIXED PANEL CLIP & ANCHORS, SEE SHEET 19

CONCRETE/CMU PER ANCHOR REQUIREMENT

HORIZONTAL SECTION (XXX SHOWN)

HORIZONTAL SECTION (XO SHOWN)

INTERIOR

EXTERIOR

EDGES DISTANCE

EDGES DISTANCE

EDGES DISTANCE

EDGES DISTANCE
NOTES
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) SEE SHEETS 14 & 15 FOR ANCHOR LOCATION & SPACING. FOR ANCHOR QUANTITIES, SEE TABLES 1 & 2.
3) CORNER ASTRAGAL MAY BE EITHER TO THE INTERIOR OR EXTERIOR, DEPENDING ON CONFIGURATION.
### TABLE 1:

**Design Pressure (DP) and Anchor Quantities Required,**  
(for all approved configurations on Sheet 2)

<table>
<thead>
<tr>
<th>Use this table for:</th>
<th>80&quot;</th>
<th>84&quot;</th>
<th>86&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class Types 1, 1A, 3 or 3A</td>
<td>A</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Astragal Reinforcement #29</td>
<td>A</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Lockset Reinforcement #20 or #26</td>
<td>C</td>
<td>C</td>
<td>C</td>
</tr>
<tr>
<td>Std. Interlock Reinforcement #27</td>
<td>B</td>
<td>B</td>
<td>B</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Anchor Type</th>
<th>Design Pressure</th>
<th>HeadSill</th>
<th>Jambs</th>
<th>P-Hook</th>
</tr>
</thead>
<tbody>
<tr>
<td>24&quot; HeadSill DLO Width</td>
<td>+60/-60 psf</td>
<td>C3+1</td>
<td>C3+1</td>
<td>C3+1</td>
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<tr>
<td>Jambs</td>
<td>5</td>
<td>5</td>
<td>5</td>
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<tr>
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<td>7</td>
<td>7</td>
<td>7</td>
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</tr>
<tr>
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<td>+60/-60 psf</td>
<td>C3+1</td>
<td>C3+1</td>
<td>C3+1</td>
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<tr>
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<td>5</td>
<td>5</td>
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<tr>
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<td>7</td>
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<td>7</td>
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</tr>
<tr>
<td>31-1/8&quot; DLO Width</td>
<td>+60/-60 psf</td>
<td>C3+1</td>
<td>C3+1</td>
<td>C3+1</td>
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<tr>
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<tr>
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<td>+60/-60 psf</td>
<td>C3+1</td>
<td>C3+1</td>
<td>C3+1</td>
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<tr>
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<td>C3+1</td>
<td>C3+1</td>
<td>C3+1</td>
</tr>
<tr>
<td>Jambs</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>P-Hook</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>7</td>
</tr>
</tbody>
</table>

**Anchorage Type per Substrate Required to Achieve the Design Pressure:** Using the Anchor Quantities listed below. See Table A, Sheet 1 for complete anchor limitations.

**The Maximum DP at these Anchor Quantities:** Additionally, the maximum positive pressure due to the sill height must also be considered. See Table B1, this Sheet.

- Total # of Anchors through the Head & Sill, (Ex: For C3+1, 3 Anchors clustered at panel meeting point & 1 Anchor required at midspan of panel)
- The # of Anchors required through the P-Hook, perpendicular to the Glass.

**TABLE B1:**

<table>
<thead>
<tr>
<th>Water-Limited</th>
<th>(+) Design Pressure</th>
</tr>
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<tr>
<td>Sill</td>
<td>Riser Height</td>
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<td>Nom. Sill</td>
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<tr>
<td>Riser</td>
<td>1-1/16&quot;</td>
</tr>
<tr>
<td>Height</td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>2-1/2&quot;</td>
</tr>
<tr>
<td>43</td>
<td>3-1/2&quot;</td>
</tr>
<tr>
<td>44</td>
<td>4-1/16&quot;</td>
</tr>
<tr>
<td>45</td>
<td>4-6/8&quot;</td>
</tr>
</tbody>
</table>

**Fig 1:**

- OH LENGTH
- DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG IS EXEMPTED FROM WATER INfiltration Resistance.

**DLO WIDTH = NOM. PANEL WIDTH - 8 9/16"**
**DLO HEIGHT = DOOR HEIGHT - 11 1/16"**
**PANEL HEIGHT = DOOR HEIGHT - 2 1/2"**

**Table Notes:**

1. If water infiltration resistance is required, the lesser values of either Table 1 and Table B1 determines the Water Limited (+) DP.
2. If water infiltration resistance is not required or overhang is per Fig 1, a sill riser is not required, if so, +DP's shown in Table 1 may be used.
3. See sill riser types on Sheet 4.
4. Sheet Applies to 2, 3, and 4 Track Configurations.
5. Refer to anchor notes, Sheet 1.
6. See Sheets 11-16 for anchor location & spacing.

**Usrd in example on sheet 9.**

**Notes:**

- Complying with the Florida Building Code
- NOA No. 17-0420.06
- Expiration Date 04/14/2021
- Miami-Dade Product Control

**Product Revised:**

- Anthony Lynn Miller, L.E.
- No. 58705
- 1070 Technology Dr. N. Venice, FL 34295
- Copyright © 2017 PCT Industries, Inc.
- All Rights Reserved
- 716-595-3000
- info@pctind.com

**Vinyl Sliding Glass Door Noa (LM):**

- 10/05/15
- No Changes This Sheet.
- 04/05/17
- SGD-5570 8 NTS 7 OF 21 8 MD-5570.0 5 4 A
### Table 2: Design Pressure (DP) and Anchor Quantities Required

![Design Pressure Table]

- **Max. Anchor Pressure:** The maximum pressure that can be applied to the anchor, ensuring it will not fail under the specified design conditions.

### Table 3: Water Pressure Table

![Water Pressure Table]

- **Max. Water Pressure:** The maximum water pressure that can be expected in the system, which is crucial for the design of the system to withstand such conditions.

---

**Design Pressure** is calculated based on the installation point of the anchors and the conditions to which the system will be subject. The anchor quantity required is determined by the design pressure and the anchor characteristics, including the anchor type, size, and location.

---

**Fig. 1:**

- **Diagram:** Illustration showing the relationship between the design pressure and the anchor system, indicating the distribution and arrangement of anchors to ensure the integrity of the system under various pressures.

---

**Anchor Group:**

- **A:** Anchors designed for lower pressure conditions.
- **B:** Anchors designed for medium pressure conditions.
- **C:** Anchors designed for higher pressure conditions.
- **D:** Anchors designed for the highest pressure conditions.

---

**Note:**

- The anchor pressure values are provided in the table above, indicating the pressure limits for each group of anchors.
- The anchor arrangement and number are calculated based on the pressure requirements and the specific design conditions.

---

**Product:**

- The product specifications are detailed in the table below, including the anchor type, size, and pressure limits.

---

**Construction:**

- The construction details are provided in the diagram, showing the anchor layout and the pressure distribution throughout the system.

---

**Revision:**

- The revision history is listed below, indicating the changes made to the design and anchor specifications over time.

---

**Engineering:**

- The engineering details are provided in the diagram, including the materials used, the manufacturing process, and the quality control measures implemented to ensure the integrity of the anchor system.

---

**Conclusion:**

- The conclusion outlines the importance of the design pressure and anchor quantities in maintaining the safety and reliability of the system under various conditions.

---

**References:**

- The references section provides additional resources and literature for further study on anchor design and pressure calculations.

---

**Appendix:**

- The appendix contains additional data, charts, and tables related to the anchor system design, providing a comprehensive overview of the system's performance under different conditions.

---

**Author:**

- The author's name is listed at the bottom of the document, indicating the person responsible for the design and development of the anchor system.

---

**Contact:**

- Contact information is provided for further inquiries and support related to the anchor system design and implementation.
Glasstype 1

- Exterior Product is "Exterior-Glazed" if 01-81 is towards the exterior.
- Interior Product is "Interior-Glazed" if 00-81 is towards the interior.

Glass Type 1A

- Exterior Product is "Exterior-Glazed" if 01-81 is towards the exterior.
- Interior Product is "Interior-Glazed" if 00-81 is towards the interior.

Glass Type 2

- Exterior Product is "Exterior-Glazed" if 01-82 is towards the exterior.
- Interior Product is "Interior-Glazed" if 00-82 is towards the interior.

Glass Type 3

- Exterior Product is "Exterior-Glazed" if 01-83 is towards the exterior.
- Interior Product is "Interior-Glazed" if 00-83 is towards the interior.

Glass Type 3A

- Exterior Product is "Exterior-Glazed" if 01-83 is towards the exterior.
- Interior Product is "Interior-Glazed" if 00-83 is towards the interior.

Glass Type 4

- Exterior Product is "Exterior-Glazed" if 01-84 is towards the exterior.
- Interior Product is "Interior-Glazed" if 00-84 is towards the interior.

Notes:

1) Backbedding surfaces shall not be painted or laminated.
2) Product may be either interior or exterior glazed, provided that the "HS" surface of a laminated glazing unit is adhered to the glazing leg.

*ANN* = Annealed
*HS* = Heat Strengthened
*T1* = Tempered
*PVF* = .000" Trosifol-PV/PVB Interlayer

Product Revisited as complying with the Florida Building Code.
NOA No.: 17-0420.06
Expiration Date: 04/14/2021

By Miami-Dade Product Control
SILL CLUSTER ANCHORS LAYOUT:

1. Track Cluster "3C" Anchor Locations
2. Track Cluster "3C" Anchor Locations
3. Track Cluster "3C" Anchor Locations
4. Track Cluster "3C" Anchor Locations

SILL "4" INTERMEDIATE ANCHORS LAYOUT:

1. Track Intermediate "4" Anchor Location
2. Track Intermediate "4" Anchor Location
3. Track Intermediate "4" Anchor Location
4. Track Intermediate "4" Anchor Location

NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
2) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL SILLS.
HEAD CLUSTER ANCHORS LAYOUT:

- Astragal or interlock centerline:
  - 4" interior
  - 3.22" exterior

- 2-track cluster "C" anchor locations

- 3-track cluster "C3" anchor locations

- 4-track cluster "C2" anchor locations

NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
2) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL HEADS.

HEAD "4" INTERMEDIATE ANCHORS LAYOUT:

- Panel centerline:
  - 4" interior
  - 3.22" exterior

- 2-track intermediate "+4" anchor locations

- 3-track intermediate "+3" anchor locations

- 4-track intermediate "+2" anchor locations

NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
2) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL HEADS.

VINYL SLIDING GLASS DOOR NOA (LM)

ANCHOR LOCATIONS B

ROSWOSKI

NO CHANGES THIS SHEET.

SGD-6570

NTS

12 OF 21

MD-5570.0

A
P-HOOK ANCHORS LAYOUT:

OPT. ANCHOR TO AID IN ALIGNMENT

OPT. ANCHOR TO AID IN ALIGNMENT

NOTES:
1) SEE TABLES 1 & 2 FOR EXACT QUANTITY OF ANCHORS REQUIRED IN THE P-HOOK.

JAMB ANCHORS LAYOUT, (PARTIAL VIEW):

2-TRACK FRAME JAMB ANCHORS

3-TRACK FRAME JAMB ANCHORS

4-TRACK FRAME JAMB ANCHORS

SILL WEEPHOLE LAYOUT (2, 3 & 4 TRACKS)

(3) WEEPHOLE PER END @ 1" X .500"

(3) TRACK WEEPHOLE EVERY 24" @ 1.125" X .190"

(1) WEEPHOLE EVERY 24" @ 1.375" X .500"

JAMB

(4) WEEPHOLE PER END @ 1" X .500"

(6) TRACK WEEPHOLE EVERY 24" @ 1.125" X .190"

(1) WEEPHOLE EVERY 24" @ 1.375" X .500"

JAMB

(5) WEEPHOLE PER END @ 1" X .500"

(10) TRACK WEEPHOLE EVERY 24" @ 1.125" X .190"

(1) WEEPHOLE EVERY 24" @ 1.375" X .500"

NOTES:
1) STANDARD ANCHOR LOCATIONS SHOWN. FOR 3 AND 4-TRACK JAMBS, ANCHORS MAY BE LOCATED IN ANY ADJACENT TRACK (SIMILAR TO THE 2-TRACK JAMB) AS REQUIRED TO MEET MIN. EDGE DISTANCE CONSTRAINTS. IN CASE OF AN ODD NUMBER OF ANCHORS, THE MAJORITY MAY BE TOWARD THE INTERIOR OR EXTERIOR.
HEAD 90° CORNER CLUSTER ANCHORS LAYOUT:

SILL 90° CORNER CLUSTER ANCHORS LAYOUT:

NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

2) DETAILS DEPICT ANCHOR QUANTITY AND SPACING, AND WOULD BE SIMILAR FOR OUTSIDE (SHOWN) AND INSIDE CORNER CONSTRUCTIONS.

3) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL HEADS AND SILLS.
NOTES:

1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

2) DETAILS DEPICT ANCHOR QUANTITY AND SPACING, AND WOULD BE SIMILAR FOR OUTSIDE (SHOWN) AND INSIDE CORNER CONFIGURATIONS.

3) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL HEADS AND SILLS.
Notes:

1) All dimensions shown are based on minimum allowed.

2) Above figures are for splices occurring at the astragal or interlock. For splices occurring inside of a pocket, see the example on sheet B.

3) Track-to-track distance is 2.375" for all heads and S.I.S.

4) Pocket wall or cavity is not part of this approval and is to be designed by others and reviewed by the authority having jurisdiction.
### PANEL'S RIGHT STILE TYPE

<table>
<thead>
<tr>
<th>PANEL TYPES</th>
<th>SINGLE INTERLOCK OUT</th>
<th>SINGLE INTERLOCK IN</th>
<th>FIXED STILE</th>
<th>LOCKSTILE W/ HANDLE</th>
<th>ASTRAL GLOVE BOX OUT</th>
<th>ASTRAL GLOVE BOX IN</th>
<th>OUTSIDE 90° ASTRAGAL RECEIVER</th>
<th>INSIDE 90° ASTRAGAL RECEIVER</th>
<th>INSIDE 135° ASTRAGAL RECEIVER</th>
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</thead>
<tbody>
<tr>
<td>INTERIOR OR EXTERIOR GLAZED</td>
<td>E F PP K L L TC TA TV TW</td>
<td>B H P A C C SC SA SV SW</td>
<td>RR R</td>
<td>D M</td>
<td>J J</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**SCREEN PANEL TYPES**

| C | DOUBLE INTERLOCK | ASTRAGAL |
| M | LOCKSTILE | DOUBLE INTERLOCK |
| J | LOCKSTILE | ASTRAGAL |
| SD | SINGLE INTERLOCK | DOUBLE INTERLOCK |
| A | DOUBLE INTERLOCK | LOCKSTILE |
| U | ASTRAGAL | LOCKSTILE |
| DS | DOUBLE INTERLOCK | SINGLE INTERLOCK |

### PANEL NOTES:

1. SEE DP/ANCHOR TABLES 1 & 2, SHEETS 7-8 FOR PANEL SIZES & DESIGN PRESSURE.

2. PANEL TYPES NOT SHOWN ARE NOT REQUIRED FOR ANY CONFIGURATIONS AND ARE NOT AVAILABLE.

3. MAXIMUM NOMINAL PANEL WIDTH FOR ALL PANEL CONFIGURATIONS IS 60".

4. PANEL TYPE MAY BE EITHER EXTERIOR (STANDARD) OR INTERIOR GLAZED, BOTH TYPES QUALIFIED BY THIS APPROVAL, SEE DETAILS SHEET 10.

---

**PRODUCT REVISED**

as complying with the Florida Building Code

NOA-No. 17-0420.06

Expiration Date 04/14/2021

By

Miami-Dade Product Control
### TABLE C:

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<td>10027</td>
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<tr>
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<tr>
<td>16</td>
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<td>19014</td>
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<td>19005</td>
<td>Reinforcement Bar Cover</td>
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<td>6063-TB Alum.</td>
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<tr>
<td>21</td>
<td>1917M</td>
<td>Top Rail, Bottom Rail and Locks, and Reinforcement</td>
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<td>Interlock - 300 Reinforcement, Std.</td>
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<td>Interlock - 400 Reinforcement, HD</td>
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<tr>
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<td>Interlock Adapter</td>
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<td>19065</td>
<td>Panel Stile, Top/Bottom Rail</td>
<td>Rigid PVC</td>
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<td>19404</td>
<td>Interior Jamb Cover</td>
<td>Rigid PVC</td>
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<td>135° Corner Astragal Passige Mount</td>
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<tr>
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<tr>
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<td>36</td>
<td>19082</td>
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### TABLE D: BOX SCREEN

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<tr>
<th>#</th>
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<tbody>
<tr>
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<td>Box Screen Top Rail</td>
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<td>101</td>
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<td>Box Screen Bottom Rail</td>
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<td>102</td>
<td>12265</td>
<td>Box Screen Side Rail</td>
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<td>103</td>
<td>64245</td>
<td>Box Screen Interlock</td>
<td>6063-TB Alum.</td>
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<td>104</td>
<td>17474A</td>
<td>Box Screen Snap-on Bug Flap</td>
<td>6063-TB Alum.</td>
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<tr>
<td>105</td>
<td>64345</td>
<td>Box Screen OIC Astragal Adapter</td>
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</tr>
<tr>
<td>106</td>
<td>17349</td>
<td>Box Screen Astragal Adapter</td>
<td>6063-TB Alum.</td>
</tr>
<tr>
<td>107</td>
<td>19039</td>
<td>Box Screen Frame Sj Add-on</td>
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</tr>
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<td>108</td>
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<td>Box Screen HeadJamb Add-on</td>
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<td>109</td>
<td>7020X</td>
<td>#140 x 21-1/2&quot; @ Top Rail</td>
<td>SS</td>
</tr>
<tr>
<td>110</td>
<td>7200X</td>
<td>#140 x 21-1/2&quot; @ Bottom Rail</td>
<td>SS</td>
</tr>
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<td>111</td>
<td>71795</td>
<td>W110, 270 x 1150 – Fin Seal</td>
<td>SS</td>
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<td>112</td>
<td>61855K</td>
<td>W110, 187 x 500 @ Bug Flap</td>
<td>SS</td>
</tr>
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<td>113</td>
<td>75RAK</td>
<td>Standard Roller</td>
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<td>HD Roller</td>
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<td>115</td>
<td>78615X</td>
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<td>Screen Keeper</td>
<td>Steel</td>
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<tr>
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<td>79051PA</td>
<td>#1 x 1&quot; Ph. H4 SMS</td>
<td>Steel</td>
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<td>19253/4</td>
<td>Screen Spline - 1.50&quot; &amp; 1.00&quot;</td>
<td>Vinyl</td>
</tr>
<tr>
<td>119</td>
<td>19162C</td>
<td>Screen Cloth</td>
<td>Fiberglass</td>
</tr>
</tbody>
</table>

### TABLE E: STANDARD SCREEN

<table>
<thead>
<tr>
<th>#</th>
<th>Part #</th>
<th>Description</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>12033</td>
<td>Screen Frame Rail</td>
<td>6063-TB Alum.</td>
</tr>
<tr>
<td>121</td>
<td>13028A</td>
<td>Screen Frame - Split Rail (Latch)</td>
<td>6063-TB Alum.</td>
</tr>
<tr>
<td>122</td>
<td>17363</td>
<td>Screen OIC Astragal Adapter</td>
<td>6063-TB Alum.</td>
</tr>
<tr>
<td>123</td>
<td>4853K</td>
<td>Screen Vinyl Astragal Adapter</td>
<td>Rigid PVC</td>
</tr>
<tr>
<td>124</td>
<td>19012B</td>
<td>Frame Sj Screen Add-on</td>
<td>6063-TB Alum.</td>
</tr>
<tr>
<td>125</td>
<td>48FHRK</td>
<td>Bug Flap, 85 +/- 5.0 cu.</td>
<td>Vinyl</td>
</tr>
<tr>
<td>126</td>
<td>71012PSAT</td>
<td>#1 x 1/2&quot; Ph. Ph EMS - Assembly</td>
<td>SS</td>
</tr>
<tr>
<td>127</td>
<td>71023</td>
<td>Corner Key Wheel Assembly (Standard)</td>
<td>SS</td>
</tr>
<tr>
<td>128</td>
<td>71202SS</td>
<td>Corner Key Wheel Assembly (HD)</td>
<td>SS</td>
</tr>
<tr>
<td>129</td>
<td>71202SS</td>
<td>Corner Key Wheel Assembly (HD)</td>
<td>SS</td>
</tr>
<tr>
<td>130</td>
<td>71053</td>
<td>Screen Locking Hardware</td>
<td>Steel</td>
</tr>
<tr>
<td>131</td>
<td>71005PSDAX</td>
<td>#10 x 3/4&quot; Ph. Ph SMS @ Screen Asst.</td>
<td>SS</td>
</tr>
<tr>
<td>132</td>
<td>71005PPMSX</td>
<td>#10 x 1/2&quot; Ph. Ph SMS @ Door Asst.</td>
<td>SS</td>
</tr>
<tr>
<td>133</td>
<td>71005PSDAX</td>
<td>#10 x 3/4&quot; Ph. Ph SMS @ Door Asst.</td>
<td>SS</td>
</tr>
<tr>
<td>134</td>
<td>71025SS</td>
<td>Screen Spline - 1150</td>
<td>Vinyl</td>
</tr>
<tr>
<td>135</td>
<td>1816C</td>
<td>Screen Cloth</td>
<td>Fiberglass</td>
</tr>
</tbody>
</table>

**NOTES:**
1. ITEMS #14-16, 48-49, 53-59, 73, 74 & 87-89 & 99 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.