Horton Automatics Division of Overhead Door
4242 Baldwin Boulevard
Corpus Christi, TX 78405

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 “310” (So-Sx-Sx-So) and (So-Sx) Aluminum Automatic Sliding Door (Steel Reinforced) w/ Full Emergency Breakout-LMI

APPROVAL DOCUMENT: Drawing No. 021913 Rev 11, titled “Series 310 Impact Slide”, sheets 1 through 7 of 7, prepared by manufacturer, dated 07/05/12 and last revised on 10/08/18, signed and sealed by John E. Scates, 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 (DP) in sheet 1. Bi-parting Sliding doors (So-Sx-Sx-So) are rated to DP= +/-85 PSF and Single Slide doors (So-Sx) are limited to DP= +/- 70 PSF. Locking options can be w/ 3-point locking (detail in sheet 5) or AR G-86 panic device w/ concealed vertical rods (details in sheet 7). See glazing details in sheet 2.
2. Not approved where water infiltration is required, unless protected by overhang complying w/FBC requirements.
4. Electrical/ Electronic functions are not part of this approval and to be reviewed by appropriate Bldg. official

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 revises #17-0828.05, consists of this page 1 and evidence pages E-1 & E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS
1. Manufacturer's die drawings and sections (Submitted under files below).
2. Drawing No. 021913 Rev 10, titled “Series 310 Impact Slide”, sheets 1 through 7 of 7, prepared by manufacturer, dated 07/05/12 and last revised on 09/11/15, signed and sealed by John E. Scates, P.E.

B. TESTS (Submitted under files # 14-0408.04/#13-0321.12)
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 (Not conducted)
   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 installation diagram of an aluminum automatic sliding glass doors So-Sx-Sx-So and So-Sx, prepared by Architectural Testing, Test Report No. B-3974-450-18, dated 02/07/13 and revised on 07/17/2013 by an addendum letter, signed and sealed by Vinu Abraham, P.E.

C. CALCULATIONS
1. Anchor verification calculations and structural analysis complying w/ FBC 2014 (5th edition), dated 09/11/15, prepared, signed and sealed by John E. Scates, P.E.
2. Glazing complies w/ ASTM-E-1300-02, -04 & -09.

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

E. MATERIAL CERTIFICATIONS
1. Notice of Acceptance No. 12-1231.08 issued to Eastman Chemical Co. (MA) former Solutia, Inc. for their “Saflex-CP Saflex HP Composite Glass ® interlayer w/ PET core”, expiring on 12/11/2018.
2. 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
2. Addendum letter dated 07-17-13, issued by Architectural Testing lab, signed and sealed by Vinu Abraham, P.E.
3. Lab compliance as part of the above referenced test report.

G. OTHER
1. This NOA revises & renews #14-0408.04, expiring 10/10/23.
2. Test proposal # 11-128-R dated January 20th, 2012, approved by RER.

2. Evidence submitted under previous approvals (#17-0828.05)

A. DRAWINGS
1. None.

B. TESTS
1. None.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-1025.11
Expiration Date: October 10, 2023
Approval Date: December 20, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under previous approvals (#17-0828.05) continue:

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. 12-1231.08 issued to Eastman Chemical Co. (MA) former Solutia, Inc. for their “Saflex-CP Saflex HP Composite Glass ® interlayer w/ PET core”, expiring on 12/11/2018.
2. 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

G. OTHER
1. This NOA revises NOA # 15-0922.12, expiring 10/10/2023.

1. New Evidence submitted

A. DRAWINGS
1. Drawing No. 021913 Rev 11, titled “Series 310 Impact Slide”, sheets 1 through 7 of 7, prepared by manufacturer, dated 07/05/12 and last revised on 10/08/18, signed and sealed by John E. Scates, P.E. (Note: This revision consists of updating setting block at glazing detail)

B. TESTS
1. None

C. CALCULATIONS
1. None

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

E. MATERIAL CERTIFICATIONS
2. Notice of Acceptance No. 17-0808.02 issued to Kuraray America, Inc. (Former E.I. DuPont DeNemours & Co., Inc. for the “Sentry Glass ® (Clear and White) Glass Interlayers”, expiring on 07/04/23.

F. STATEMENTS (submitted under #17-0828.05)

G. OTHER
1. This NOA revises NOA # 17-0828.05, expiring 10/10/2023.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-1025.11
Expiration Date: October 10, 2023
Approval Date: December 20, 2018

E 2
Locking Mechanism: Spint Locking Device Standard (see sheet 5)

Available Unit Sizes:
9'-2"W X 7'-4"H: Max size (SO-SX or SX-SX) 1655-10'-05'-2 (1655-10'-05'-10')
14'-2"W X 7'-4"H: Max size (SO-SX/SX-SX) 2243-10'-05'-10'

Exterior Elevation (S-S-X):

INTERIOR RAIL (DI)
INTERIOR RAIL (0)
STRIKE RAIL (0) (10)
INT.\n
INTERIOR RAIL (0)
INTERIOR RAIL (0)
STRIKE RAIL (0) (10)
INT.

Notes:
1. This product has been designed and tested to comply with the current Florida Building Code, including High Velocity Hurricane Zone (HVHZ).
2. Electrical/Electronic functions are not part of this approval and must be reviewed by appropriate building officials.
3. See anchor installation details concerning types, substrate, edge distance, spacing, and embedment on sheets 3 & 4.
4. 1x or 2x wood bucks by others must be secured properly to transfer loads using appropriate fasteners and quantities. Fasteners to secure wood bucks must penetrate concrete or grouted CMU jamb substrate minimum 2" at head and sill.
5. Permit holder shall verify the adequacy of the existing structure to withstand additional imposed loads.
6. 1/4" max shim allowed. Type of shim to comply with Florida Building Code and be capable of resisting frame rotation.
7. All structural extrusions are 6063-T5 Aluminum with typical thickness of 1/8", unless otherwise specified.
8. Item 45, glazing block, snap-in nylon 6-6, min. hardness Rockwell M85 (Total 4-blocks per glass panel)

Series 310 Impact Slide

14' x 7'-8" (168" X 92") (SO-SX-SX-SX) &
9' x 7'-8" (108" X 92") (SO-SX) or (S-X-SX)

3 - Point Lock Option

(See Sheet 7)

Bi Part Section Details
Dwg. No. 021913
**Connection Block with Reinforcement**

STRIKE RAIL (SX) INTERLOCK RAIL (SX) PIVOT RAIL (SO)

**Connection Block with Back Up Plate**

INTERLOCK RAIL (SO) ONLY

WEATHERSEALS:
- C715 INTERLOCK SEAL
- C300 NOSING SEAL
- C524-FL SIDE PANEL BOTTOM SEAL

SCHLEEGEL CORP. FINISEAL #7550-2011-0
SCHLEEGEL CORP. SKIRTING SEAL #104-5101
FELTON NYLON BRISTLE #490621

HARDWARE:
- O83 THRESHOLD HEADER BOLT
- C815-FL, C817-FL, C2130-FL
- C852-4 BOTTOM GUIDES
- ADAMS-RITE #4015 SIDE TOP ROLLER ASSEMBLIES

**GLAZING DETAIL**

SANTOPRENE GASKET (ITEM 32) MIN 67 SHORE A DUROMETER FROM CENTRAL PLASTICS INC.

- 9/16" thick (nominal) Laminated Glass consisting of the following components:
  - Safflex CP: Composite glass interlay w/ PET core by Eastman Chemical Co. (MA)
  - OR .090" Sentry Glass interlay by Dupont
  - 1/4" heat strengthened glass
  - Dow Corning 995 Sealant
  - Interior wet glazed with Dow Corning 995
  - Exterior side snap-in glass bead with vinyl wedge
  - Minimum glass bite 9/16" (See note 8 on pg 1 (fig 46))

MUTIN OPTIONS

(See MUL DLD on Sheet 3 & 4)
HEADER
Steel (0.125" Thick, Fy=36 KSI) - INTERCORP #4
Steel HWH Self-Drilling Screw (Grade 5), 0.625" Min. Edge Distance. (Full Thread Engagement)
Aluminum(0.125" Thick Min.-/6063-T651) - 1/4"-14
HM Screw (Grade 5), 1" Min. Edge Distance. (Full Thread Engagement)

JAMS
Steel (0.125" Thick, Fy=36 KSI) - FW TEKS SCREW
(Grade 5) #14-20 FH w/WING Self-Drilling Screw 0.625" Minimum Edge Distance
Concrete(3500 PSI) - Crete-Flex SS4 1/4" FH
Concrete Screw/Anchor, 1.75" Embed, 2.5" Min. Edge Distance
Gypsum(Solid ORAL ASTM C-50 Block) - Crete-Flex SS4 1/4" FH Concrete Screw/Anchor, 1.75" Embed, 2.5" Min. Edge Distance
Aluminum(0.125" Thick Minimum-6063-T651) - 1/4"-14 FH Sheetmetal Screw (Grade 5), 1" Min. Edge Distance. (Full Thread Engagement)
W/Min G = .55
Wood(#2 SYP) - 1/4" x 4" Long Lagbolt (Grade 5)
2.25" Minimum Penetration, 1" Minimum Edge Distance. Minimum Buck (2) 2X8

THRESHOLD
Steel (0.125" Thick, Fy=36 KSI) - FW TEKS SCREW
#14-20 FH w/WING Self-Drilling Screw (Grade 5), 0.625" Minimum Edge Distance
Concrete(3500 PSI) - Crete-Flex SS4 1/4" FH
Concrete Screw/Anchor, 1.75" Embed, 2.5" Minimum Edge Distance from substrate
Aluminum(0.125" Thick Minimum-6063-T651) - 1/4"-14 FH Sheetmetal Screw (Grade 5), 1" Minimum Edge Distance (Full Thread Engagement)

Optional muntin

Note: This point is located at the end of the side panel

Refer to Jam notes for anchor details and Taping

For 2 (2x) wood substrate jamb install as shown here

Series 310 Single Impact Slide Slide Fastener Locations

Dwg. No. 021913
<table>
<thead>
<tr>
<th>ITEM #</th>
<th>HORTON PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>C03600.005AB</td>
<td>ALUMINUM EXTRUSION: HEADER</td>
</tr>
<tr>
<td>2</td>
<td>C03601.002AB</td>
<td>ALUMINUM EXTRUSION: HEADER FACEPLATE</td>
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<td>3</td>
<td>C03602.0000</td>
<td>ALUMINUM EXTRUSION: HEADER FACEPLATE BRACKET</td>
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<tr>
<td>4</td>
<td>C00314.0000R</td>
<td>ALUMINUM EXTRUSION: INTERLOCK TOP</td>
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<tr>
<td>5</td>
<td>C00327.0000R</td>
<td>ALUMINUM EXTRUSION: INTERLOCK LOWER</td>
</tr>
<tr>
<td>6</td>
<td>C00337.0000RAB</td>
<td>ALUMINUM EXTRUSION: SX TOP RAIL</td>
</tr>
<tr>
<td>7</td>
<td>C00379.001ABC</td>
<td>ALUMINUM EXTRUSION: GLASS STOP</td>
</tr>
<tr>
<td>8</td>
<td>C00283.0000</td>
<td>ALUMINUM EXTRUSION: BOTTOM RAIL</td>
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<tr>
<td>9</td>
<td>C00343.001ABC</td>
<td>ALUMINUM EXTRUSION: HORIZONTAL RAIL (SO TOP RAIL)</td>
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<tr>
<td>10</td>
<td>C02915.001ABC</td>
<td>ALUMINUM EXTRUSION: VERTICAL RAIL (SO PIVOT)</td>
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<tr>
<td>11</td>
<td>C02866.00ABC</td>
<td>ALUMINUM EXTRUSION: THRESHOLD 7&quot;</td>
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<tr>
<td>12</td>
<td>C00351.0002</td>
<td>ALUMINUM EXTRUSION: JAMB TUBE 4&quot; X 1-3/4&quot; (WITH POCKET)</td>
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<tr>
<td>13</td>
<td>C00323.0000</td>
<td>ALUMINUM EXTRUSION: VERTICAL RAIL (INTERLOCK)</td>
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<td>14</td>
<td>C00363.0000</td>
<td>ALUMINUM EXTRUSION: VERTICAL RAIL (SX STRIKE)</td>
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<td>15</td>
<td>C02798.0001</td>
<td>ALUMINUM EXTRUSION: ADAPTOR (BRM RAIL BRUSH)</td>
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<td>16</td>
<td>C00011.0000</td>
<td>PIVOT RAIL ASSEMBLY LH</td>
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<td>17</td>
<td>C00012.0000</td>
<td>PIVOT RAIL ASSEMBLY RH</td>
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<td>18</td>
<td>C00888.005AB</td>
<td>CLIP: INTERLOCK SO-SX HD85</td>
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<td>19</td>
<td>C00524.00FL</td>
<td>WEATHERSEAL BRUSH (FELTON# 490621)</td>
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<td>20</td>
<td>C00524.0000</td>
<td>NOSING SEAL SCHLEGEL (#1104-5101)</td>
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<td>21</td>
<td>C00293.0000</td>
<td>WEATHERSEAL BRUSH SCHLEGEL (#8430-5016-7)</td>
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<td>22</td>
<td>C00449.0000</td>
<td>#10-24 X 3/4&quot; FHMS (CORNER BLOCKS)</td>
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<tr>
<td>23</td>
<td>C00417.0000</td>
<td>#14 X 1-1/2&quot; HWSMS (CORNER BLOCKS W/REIN.)</td>
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<td>24</td>
<td>C00437.0000</td>
<td>#10-24 X 1/2&quot; FHMS (INTERLOCK CLIPS)</td>
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<td>25</td>
<td>C00850.0000</td>
<td>1/4-20 X 3/4&quot; HHMB (CORNER BLOCKS W/BACKUP PLATE)</td>
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<tr>
<td>26</td>
<td>C01905.0000</td>
<td>STEEL TUBE (1-1/4&quot; X 1-1/4&quot; X 3/16&quot; X 80,50&quot; LONG) A-36</td>
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<tr>
<td>27</td>
<td>C00537.0000R</td>
<td>CORNER BLOCK (337R-TOP SX RAIL)</td>
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<td>28</td>
<td>C00536.0001</td>
<td>CORNER BLOCK (343-1- TOP SO RAIL)</td>
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<td>29</td>
<td>C00693.0000</td>
<td>CORNER BLOCK (6&quot; BTM RAIL)</td>
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<td>DRIVE WHEEL ASSEMBLY</td>
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<td>C03681.0001</td>
<td>IDLER WHEEL ASSEMBLY</td>
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<td>32</td>
<td>C00341.0001</td>
<td>GLAZING BEAD W/ VINYL WEDGE</td>
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<td>33</td>
<td>C00358.0000R</td>
<td>ALUMINUM EXTRUSION: ASTRAGAL</td>
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<td>C00664.001AB</td>
<td>#8 X 3/4&quot; FHMS</td>
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<td>C02361.0000</td>
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<td>C00715.0000</td>
<td>SEAL; 3 FIN SMOKE RATED ICU</td>
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<td>37</td>
<td>C00289.0000</td>
<td>TRACK CAP</td>
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<td>38</td>
<td>C00538.0000R</td>
<td>BACKUP PLATE</td>
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<td>39</td>
<td>C00852.0004L/R</td>
<td>BOTTOM GUIDE DOOR MOUNTED (LH OR RH)</td>
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<tr>
<td>40</td>
<td>C00454.0000AB</td>
<td>LOCK, MAX SECURITY AR MS 1850S W/ADAMS RITE 4015 HEADER/THRESHOLD BOLT</td>
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<tr>
<th>ITEM #</th>
<th>HORTON PART NUMBER</th>
<th>DESCRIPTION</th>
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<tr>
<td>41</td>
<td>C00455.000AB</td>
<td>CYL. ASSEMBLY</td>
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<td>42</td>
<td>C00463.000AB</td>
<td>THUMBTURN AR 4068</td>
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<td>C00883.0001</td>
<td>ADAPTOR ARM (3-POINT LOCK OPTION)</td>
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<td>ROD &amp; BOLT ASSEMBLY (3-POINT LOCK OPTION)</td>
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<td>C01485.0001</td>
<td>MIN HARDNESS ROCKWELL M85</td>
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<td>C00337.0000AB</td>
<td>EXTRUSION RAIL (MUNTION OPTION)</td>
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<td>TORSION BAR ASSEMBLY</td>
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<td>SPRING SX CLOSER OSX ASSEMBLY</td>
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<td>SPRING SX CLOSER SXX ASSEMBLY</td>
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<td>ASSEMBLY, TOPARM-SO CLOSER</td>
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<td>C00353.0000</td>
<td>COVER RECESS JAMB MILL</td>
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<td>53</td>
<td>C02850.0000</td>
<td>EXTRUSION; SNAP IN PLASTIC (FOR C2886 THRESHOLD)</td>
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**3-Point Lock Option**

**Series 310 Impact**

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<th>DESCRIPTION</th>
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<td>4</td>
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</table>
ALL EXTRUSIONS ARE 6063-T5 UNLESS OTHERWISE NOTED & t min=1/8"