NOTICE OF ACCEPTANCE (NOA)

POT 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 "SGD-770" Aluminum Sliding Glass Door w/ '90' & 135' corners - L.M.I.

APPROVAL DOCUMENT: Drawing No. PGT0130, titled "Series 770 Alum. SGD - LM Impact", sheets 1 through 22 of 22, dated 10/10/14, with revision C dated 04/05/17, prepared by manufacturer, signed and sealed by Anthony 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, 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 on 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# 16-0629.06 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. 17-0420.12
Expiration Date: February 17, 2020
Approval Date: September 28, 2017
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS
1. Manufacturer's die drawings and sections.
   (Submitted under NOA No. 14-0123.10)
2. Drawing No. PGT0130, titled "Series 770 Alum. SGD – LM Impact", sheets 1 through 22 of 22, dated 10/10/14, with revision C dated 04/05/17, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS
1. Reference 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 Aluminum Sliding Glass Doors (w/ PS, Super, Cardinal & Durascal Spacers), prepared by Fenestration Testing Laboratory, Inc., Test Reports No(s) FTL-8717, FTL-8970 and FTL-8968, dated 02/15/16, 06/17/16 and 06/20/16, all signed & sealed by Idalnis Ortega, P.E.
   (Submitted under NOA No. 16-0629.06)
2. 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, and 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-7554, dated 11/01/13, signed and sealed by Marlin D. Brinson, P.E.
   (Submitted under NOA No. 14-0123.10)
3. Test reports on: 1) Air Infiltration Test, per TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per TAS 202-94
   4) Forced Entry Test per FBC 2411.3.2.1 and TAS202-94.
   5) Large Missile Impact Test, per TAS 201-94
   6) Cyclic Wind Pressure Loading, per TAS 203-94
   along with marked-up drawings and installation diagram of aluminum Sliding Glass Doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No FTL-5980, FTL-5993, FTL-6036, FTL-6001, FTL-6014, FTL-6015, FTL-6017, FTL-6023, FTL-6024, FTL-6025, FTL-6028, FTL-6031, FTL-6033 and FTL-6036 dated 08/10/09, all signed and sealed by Julio Gonzales, P.E.
   Note: The test reports No. FTL 5980, FTL 6001 and FTL 6015 have been revised and reissued on 12/29/09, signed and sealed by Julio Gonzales, P.E.
   (Submitted under NOA No. 09-0826.10)

Jorge M. Plascencia, P.E.
Product Control Unit Supervisor
NOA No. 17-6420.12
Expiration Date: February 17, 2020
Approval Date: September 28, 2017
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)
(Submitted under NOA No. 15-0430.08)

C. CALCULATIONS
2. Glazing complies with ASTM E1300-09

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 “TruSilo® Ultraclear, Clear and Color PVB Glass Interlayers” dated 01/19/17, expiring on 07/08/19.
2. Notice of Acceptance No. 14-0916.11 issued to Kuraray America, Inc. for their “SentryGlas® (Clear and White) Glass Interlayers” dated 06/25/15, expiring on 07/04/18.

F. STATEMENTS
2. Statement letter of no financial interest, dated 04/18/17, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
3. Test proposal No. 16-0152 dated 03/09/16 approved by RER.
4. Lab compliance as part of the above referenced Test Report No(s) FTL-8717, FTL-8970 and FTL-8968.

G. OTHERS
1. Notice of Acceptance No. 16-0629.06, issued to PGT Industries, Inc. for their Series “SGD-770” Aluminum Sliding Glass Doors w/90° & 135° corners - L.M.I. approved on 08/04/16 and expiring on 02/17/20.

Jorge M. Plascencia, P.E.
Product Control Unit Supervisor
NOA No. 17-0420.12
Expiration Date: February 17, 2020
Approval Date: September 28, 2017

E - 2
TABLE B, SEE DETAILS ON SHEETS 4 & 5

<table>
<thead>
<tr>
<th>Glass Type</th>
<th>Description (Listed from Exterior to Interior)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q3</td>
<td>1/16&quot; Laminated (2) 25&quot; x 16&quot; x 0.5&quot; IG Glass with .006&quot; PVB Interlayer</td>
</tr>
<tr>
<td>Q4</td>
<td>1/16&quot; Laminated (2) 25&quot; x 16&quot; x 0.060&quot; PVF Interlayer</td>
</tr>
<tr>
<td>Q5</td>
<td>1/16&quot; Laminated (2) 25&quot; x 16&quot; x 0.060&quot; SG Interlayer</td>
</tr>
<tr>
<td>Q6</td>
<td>1/16&quot; Laminated (2) 25&quot; x 16&quot; x 0.060&quot; SG Interlayer</td>
</tr>
<tr>
<td>Q7</td>
<td>1/16&quot; Laminated (2) 25&quot; x 16&quot; x 0.060&quot; ANH Glass with .006&quot; SG Interlayer</td>
</tr>
<tr>
<td>Q8</td>
<td>1/16&quot; Laminated (2) 25&quot; x 16&quot; x 0.060&quot; ANH Glass with .006&quot; SG Interlayer</td>
</tr>
</tbody>
</table>

**ANH = Annealed**
**SG = Heat Strengthened/****PVB BY KURAYAM AMERICA, INC.**
**IG = IG*IG**

**CODES & STANDARDS USED:**
- 2017 FLORIDA BUILDING CODE (FBC), 6TH EDITION
- 2016 FLORIDA BUILDING CODE (FBC), 7TH EDITION
- ASME A535-09
- ANSI/AFPA MDC-2015 FOR WOOD CONSTRUCTION
- ALUMINUM DESIGN MANUAL, AIA-2015
- AGS 510-12
- ASNC 360-10

**GENERAL NOTES:**
1. GLAZING TYPE OPTIONS: SEE TABLE B, THIS SHEET & GLAZING DETAILS ON SHEETS 4 & 5.
2. DESIGN PRESSURES:
   - A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E1100.
   - B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E1100.
   - C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD
3. ANCHORAGE: THE 33-1/2% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE. FOR ANCHORAGE DETAILS SEE SHEETS 6-14.
4. INSTALLATION SCREWS, FRAME SPACES, FRAME AND PANEL CORNERS TO BE SEALED WITH NARROW JOINT SEALANT.
5. REFERENCE: EBC ULTRACON, CRETIFLEX AND AGGREGATOR NOAKS ANSIA/AFPA NDS FOR WOOD CONSTRUCTION AND ADN, ALUMINUM DESIGN MANUAL.
6. THE PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY DETAIL (HIGH WIND ZONE IV & V)
7. DOOR SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE, AS APPLICABLE.

**TABLE A: Anchor Group Type**

<table>
<thead>
<tr>
<th>Anchor Type</th>
<th>Frame Member</th>
<th>Min. Edge Distance</th>
<th>Min. O.C. Distance</th>
<th>Min. Embedment or Metal Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Southern Pine (SG = 0.55)</td>
<td>9&quot;</td>
<td>7&quot;</td>
<td>1-1/2&quot;</td>
<td></td>
</tr>
<tr>
<td>6003-T5 Aluminum</td>
<td>3/8&quot;</td>
<td>5/8&quot;</td>
<td>0.050&quot;</td>
<td></td>
</tr>
<tr>
<td>AN6 Steel</td>
<td>3/8&quot;</td>
<td>5/8&quot;</td>
<td>0.050&quot;</td>
<td></td>
</tr>
<tr>
<td>Or, Glass Stab</td>
<td>3/8&quot;</td>
<td>3/8&quot;</td>
<td>0.025&quot; (25 ga)</td>
<td></td>
</tr>
</tbody>
</table>

| Granite (min. 6.25 ksi) | 1" | 1-1/2" |
| Fill/Block (315 ksi) | 2" | 2-1/2" |
| Fill/Block (515 ksi) | 2" | 2-1/2" |
| Southern Pine (SG = 0.55) | 7/8" | 7/8" | 1-1/2" |
| All | 3/8" | 3/8" | 0.050" |
| Or, Glass Stab | 3/8" | 3/8" | 0.025" (25 ga) |

1. WHERE SUBSTRATE CONDITIONS REQUIRE ANCHORAGE FROM MORE THAN ONE OF THE ANCHOR GROUPS ABOVE, CHOOSE THE ANCHOR GROUP OF THE LOWEST LETTER FOR ALL TABLES IN THIS APPROVAL.
2. ALL ANCHOR HEAD TYPES ARE APPLICABLE.
3. FOR STEEL STUDS, MIN. FU = 46 KSI, MIN. FY = 33 KSI.
4. FUSIBLE ROCK VALVES SHALL BE USED IN HOLLOW BLOCK APPLICATIONS.
5. ANCHORS MUST BE OF SUFFICIENT LENGTH SO THAT A MINIMUM OF 3 THREADS EXTEND BEYOND METAL SUBSTRATE.

**ANCHOR NOTES:**
1. FOR CONCRETE/CMU SUBSTRATE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED ANCHORS. SEE TABLE A ON THIS SHEET FOR EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS.
2. FOR OTHER SUBSTRATE APPLICATIONS SEE TABLE A, THIS SHEET.
3. WOOD BUCKS DEPicted AS 1X ARE LESS THAN 1-1/2" THICK, PROPERLY SECURED, 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SOLID CONCRETE, WOOD BUCKS DEPicted AS 2X ARE 1-1/2" THICK OR GREATER, 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE SUBSTRATE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD & TO BE REVIRED BY THE BUILDING OFFICIAL.
4. METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.
5. IF PILLAR IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, MAX. 1/4" THICK 30 PSI MIN. (DONE BY OTHERS) MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SIU, THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER SHEAR LOAD TO SUBSTRATE. IF SUBSTRATE IS WOOD, SOLID PLY WOOD OR MASONITE IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE, OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

**PRODUCT REVISED as complying with the Florida Building Code NOA-17-0420.12 Expiration Date 02/17/2020**

By Miami-Dade Product Control

**GENERAL NOTES AND MAP:**

<table>
<thead>
<tr>
<th>SERIES 770 ALUM. SGD - LM IMPACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>595-770</td>
</tr>
</tbody>
</table>

**CERT. OF AUTH. NO 9285**

**UPDATION TO FBC 2017, REVISED TABLES 1, 2, 3 & A**
EXAMPLE CONFIGURATIONS

1-PANEL CONFIGURATIONS

MAX. UNIT WIDTH
NOM. PANEL WIDTH PER TABLES 1-3
MAX. UNIT HEIGHT PER TABLES 1-3

2-PANEL CONFIGURATIONS

MAX. UNIT WIDTH
NOM. PANEL WIDTH PER TABLES 1-3
MAX. UNIT HEIGHT PER TABLES 1-3

3-PANEL CONFIGURATIONS

MAX. UNIT WIDTH
NOM. PANEL WIDTH PER TABLES 1-3
MAX. UNIT HEIGHT PER TABLES 1-3

4-PANEL CONFIGURATIONS

MAX. UNIT WIDTH
NOM. PANEL WIDTH PER TABLES 1-3
MAX. UNIT HEIGHT PER TABLES 1-3

5-PANEL CONFIGURATIONS

MAX. UNIT WIDTH
NOM. PANEL WIDTH PER TABLES 1-3
MAX. UNIT HEIGHT PER TABLES 1-3

CONFIGURATIONS NOTES:
1) ALL CONFIGURATIONS SHOWN ARE ALSO AVAILABLE AS POCKET CONFIGURATIONS AT EITHER OR BOTH JAMB LOCATIONS USING DETAIL "JW", "JS", "K" OR "K" INSTALLATION. EXAMPLE: 4-PANEL XXXX IN POCKET (J) CONFIGURATION CAN BE POXXXp, pXXXp OR XXXxp. OXXX IN POCKET CONFIGURATION CAN BE OXXXp.
2) 90° & 135° CORNER CONFIGURATIONS CAN BE A COMBINATION OF ANY 2 STRAIGHT CONFIGURATIONS.
3) FOR NOM. PANEL WIDTH, SEE TABLES 1-3.

"P" = POCKET
"W" = WOOD OR METAL INSTALLATION
"C" = CONCRETE INSTALLATION
"D" = DLO INSTALLATION
"C" = OPERABLE PANEL
"D" = INOPERABLE PANEL
"W" = DOOR UNIT HEIGHT
"D" = DOOR UNIT HEIGHT - 10.125"

DLO HIGHT = NOM. PANEL WIDTH - 7"
DLO HEIGHT = DOOR UNIT HEIGHT - 10.125" PANEL HEIGHT = DOOR UNIT HEIGHT - 1.866"

CORNER, TYP. (OUTSIDE CORNER SHOWN, INSIDE CORNER SIMILAR)
EXAMPLE CONFIGURATIONS

MAX. TESTED UNIT WIDTH = 355-7/16" @ 96" HEIGHT
300-1/4" @ 120" HEIGHT

1) ALL CONFIGURATIONS SHOWN ARE ALSO AVAILABLE AS POCKET CONFIGURATIONS AT EITHER OR BOTH JAMS LOCATIONS USING DETAIL "JW", "JC", "KW" OR "KC" INSTALLATION. EXAMPLE: 4-PANEL XXXX IN POCKET (p) CONFIGURATION CAN BE OXXXXP, pXXXXO OR XXXXP. XXXP IN POCKET CONFIGURATION CAN BE OXXXX.

2) 90° & 136° CORNER CONFIGURATIONS CAN BE A COMBINATION OF ANY 2 STRAIGHT CONFIGURATIONS.

3) FOR NOM. PANEL WIDTH, SEE TABLES 1-3.

"X" = OPERABLE PANEL,
"O" = INOPERABLE PANEL,
"P" = POCKET

DETAIL LETTER
"W" = WOOD OR METAL INSTALLATION
"C" = CONCRETE INSTALLATION

DLO WIDTH = NOM. PANEL WIDTH - 7"
DLO HEIGHT = DOOR UNIT HEIGHT - 10.125"

POCKET

MAX. UNIT WIDTH

NOM. PANEL WIDTH PER TABLES 1-3

MAX. UNIT HEIGHT, 96" OR 120"

MAX. UNIT HEIGHT PER TABLES 1-3

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 17-0420.12
Expiry Date 02/17/2020
By
Miami-Dade Product Control

VERIFICATION NUMBER
PG10130

CERT. OF AUTH. 852926
A. LYNN MILLER, P.E.

200 TECHNOLOGY DRIVE
N. VENICE, FL 34293
(941) 480-6900

14-770 ALUM. SGD - LM IMPACT

REFERENCES
SERIES 770 ALUM. SGD - LM IMPACT

NO CHANGES THIS SHEET.

DATE 3/17/14
CHECKED BY: C

PAGE 1 OF 1
GLAZING DETAILS (G6, G6A, G7, G7A, G8 & G8A)

3/16" HS GLASS
3/16" HS GLASS
3/8" AIR SPACE
3/16" T GLASS
1" NOM.
7/16" NOM.
3/16" ANN GLASS
3/16" ANN GLASS
3/8" AIR SPACE
3/16" T GLASS
1" NOM.
3/4" NOM.
GLASS BITE
3/4" NOM.
GLASS BITE
3/4" NOM.
GLASS BITE

1" LAMINATED I.G. GLASS, TYPE G6
7/16" LAMINATED GLASS, TYPE G7
1" LAMINATED I.G. GLASS, TYPE G8

3/16" ANN GLASS
3/16" ANN GLASS
3/8" AIR SPACE
3/16" T GLASS
1" NOM.
9/16" NOM.
1/4" ANN GLASS
1/4" ANN GLASS
5/16" AIR SPACE
1/4" T GLASS
1" NOM.
3/4" NOM.
GLASS BITE
3/4" NOM.
GLASS BITE
3/4" NOM.
GLASS BITE

1" LAMINATED I.G. GLASS, TYPE G6A
9/16" LAMINATED GLASS, TYPE G7A
1" LAMINATED I.G. GLASS, TYPE G8A

SEE SHEET 15 FOR SPACER DETAILS.
## TABLE 1:

### Design Pressure (DP) and Anchor Quantities Required,
(for all approved configurations on Sheets 2 & 3)

<table>
<thead>
<tr>
<th>Door Unit Height</th>
<th>84&quot;</th>
<th>90&quot;</th>
<th>96&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>69-1/8&quot; DLO</td>
<td>C44</td>
<td>C41</td>
<td>C41</td>
</tr>
<tr>
<td>73-1/8&quot; DLO</td>
<td>C44</td>
<td>C41</td>
<td>C41</td>
</tr>
<tr>
<td>79-1/8&quot; DLO</td>
<td>C44</td>
<td>C41</td>
<td>C41</td>
</tr>
<tr>
<td>85-1/8&quot; DLO</td>
<td>C44</td>
<td>C41</td>
<td>C41</td>
</tr>
</tbody>
</table>

### Anchor Group

<table>
<thead>
<tr>
<th>Anchor Group</th>
<th>Anchor Group</th>
<th>Anchor Group</th>
<th>Anchor Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>E</td>
<td>F</td>
<td>G</td>
<td>H</td>
</tr>
</tbody>
</table>

### Notes:

1. **Positive Pressures in Table 1 are based on the use of the 3-1/4" Sill.**
2. **When using the 2-1/2" Sill, positive water pressure is 40.67 PSF MAX. When using the 3-1/4" Sill, positive water pressure is 60.0 PSF MAX. When using the 4" Sill, positive water pressure is 60.0 PSF MAX (negatives pressures unchanged). See Table 1A.**
3. **4", 3-1/4" and 2-1/2" Sill Heights are tested for water infiltration whereas the 1-1/2" Sill is not and must only be used where water resistance is not required. Max. Positive Design Pressures shown in Table 1 may be used when the Door is protected by an overhang complying with the Current Florida Building Code (see Adjacent Diagram). This condition is not rated for water infiltration.**
4. **See Sheet 10-14 for anchorage spacing, edge distance and equipment information.**
5. **Door size to comply with current FBC Egress requirements when required.**
6. **Jamb Anchors are specified as the total quantity, divide by 2 for pairs to be installed.**

### Table 1A:

<table>
<thead>
<tr>
<th>Sill Height to Max. (+) DP (Water Infiltration Rating)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sill Riser Height (Flat or Box, see Sheet 17)</td>
</tr>
<tr>
<td>+/- Design Pressure, psf</td>
</tr>
<tr>
<td>Flush - 1-1/2&quot;</td>
</tr>
<tr>
<td>see note 3</td>
</tr>
<tr>
<td>Low - 2-1/2&quot;</td>
</tr>
<tr>
<td>+ 40.67</td>
</tr>
<tr>
<td>Medium - 3-1/4&quot;</td>
</tr>
<tr>
<td>+ 60.0</td>
</tr>
<tr>
<td>High - 4&quot;</td>
</tr>
<tr>
<td>+ 60.0</td>
</tr>
</tbody>
</table>

**SEE NOTES 1-3**

---

### PRODUCT REVISED

as complying with the Florida Building Code

NOA-No. 17-0420.12

Expiration Date 02/17/2020

By

Miami-Dade Product Control

**No. 58705**

STATE OF FLORIDA

PROFESSIONAL ENGINEERING

**ANTHONY J. MILLER, P.E.
**

**FLORIDA OFFICE OF COMPLIANCE**

**CERT. No. AUI# 02201010**

**NO. 8733**

**APPROVED PERMIT**

**SHARELESS PEDIMENT, LM**

**THE SERIES 770 ALUM. SGD - LM IMPACT**

### Dimensions

- **DP AND ANCHORAGE**
  - **SERIES 770 ALUM. SGD - LM IMPACT**
  - **SGD-770**
  - **NTS 6 x 22**
  - **PGT0130**
  - **No. C**
### Table 2:

<table>
<thead>
<tr>
<th>Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheets 2 &amp; 3)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Maximum DP for all sizes: +40 / 60</strong></td>
</tr>
</tbody>
</table>

For corner astragal anchoring on 80° or 135° corner units, see Sheet 11.  
May be tabled by "Table 2a".

<table>
<thead>
<tr>
<th>Width</th>
<th>24&quot;</th>
<th>30&quot;</th>
<th>36&quot;</th>
<th>42&quot;</th>
<th>48&quot;</th>
<th>54&quot;</th>
<th>60&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DP 80° DLO</strong></td>
<td>100</td>
<td>90</td>
<td>80</td>
<td>70</td>
<td>60</td>
<td>50</td>
<td>40</td>
</tr>
<tr>
<td><strong>DP 75° DLO</strong></td>
<td>95</td>
<td>85</td>
<td>75</td>
<td>65</td>
<td>55</td>
<td>45</td>
<td>35</td>
</tr>
<tr>
<td><strong>DP 70° DLO</strong></td>
<td>90</td>
<td>80</td>
<td>70</td>
<td>60</td>
<td>50</td>
<td>40</td>
<td>30</td>
</tr>
<tr>
<td><strong>DP 60° DLO</strong></td>
<td>85</td>
<td>75</td>
<td>65</td>
<td>55</td>
<td>45</td>
<td>35</td>
<td>25</td>
</tr>
<tr>
<td><strong>DP 50° DLO</strong></td>
<td>80</td>
<td>70</td>
<td>60</td>
<td>50</td>
<td>40</td>
<td>30</td>
<td>20</td>
</tr>
<tr>
<td><strong>DP 30° DLO</strong></td>
<td>75</td>
<td>65</td>
<td>55</td>
<td>45</td>
<td>35</td>
<td>25</td>
<td>15</td>
</tr>
</tbody>
</table>

**NOTES:**
1. POSITIVE PRESSURES IN TABLE 2 ARE BASED ON THE USE OF THE 3-1/4" SILL.
2. WHEN USING THE 2-1/2" SILL, POSITIVE WATER DP IS 46.67 PSF MAX. WHEN USING THE 3-1/4" SILL, POSITIVE WATER DP IS 60.00 PSF MAX. WHEN USING THE 4" SILL, POSITIVE WATER DP IS 60.00 PSF MAX (NEGATIVE PRES., UNCHANGED). SEE TABLE 2A.
3. 4", 3-1/4" AND 2-1/2" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION Whereas the 1-1/2" SILL IS NOT AND MUST ONLY BE USED WHERE WATER RESISTANCE IS NOT REQUIRED. MAX. POSITIVE DESIGN PRESSURES SHOWN IN TABLE 2 MAY BE USED WHEN THE DOOR IS PROTECTED BY AN OVERHANG COMPLYING WITH THE CURRENT CBC (SEE ADJACENT DIAGRAM); THIS CONDITION IS NOT RATED FOR WATER INFILTRATION.
4. SEE SHEETS 10"-14" FOR ANCHORAGE SPACING, EDGE DISTANCE AND EMBLEMATIC INFORMATION.
5. DOOR SIZE TO COMPLY WITH Current CBC EGRESS REQUIREMENTS WHEN REQUIRED.
6. JAMB ANCHORS ARE SPECIFIED AS THE TOTAL QUANTITY, DIVIDE BY 2 FOR PAIRS TO BE INSTALLED.

**THE FOLLOWING STILE & ASTRAGAL TYPES SHALL BE USED FOR TABLE 2, SEE SHEETS 21 & 22 FOR PILOT DIMENSIONS AND SHEETS 18 & 19 FOR ASSEMBLY DETAILS.**

### Diagram

**DP AND ANCHORAGE**

**THE SERIES 770 ALUM. SGD - LM IMPACT**

<table>
<thead>
<tr>
<th>Part #61 (x2)</th>
<th>Part #61</th>
<th>Part #61</th>
<th>Part #61 (Stile)</th>
<th>Part #61 (Astral)</th>
<th>Part #61</th>
<th>Part #61 (Stile)</th>
<th>Part #119</th>
<th>Part #120 (Brackets)</th>
<th>Part #61 (Brackets)</th>
</tr>
</thead>
</table>

**Normal Panel Width**

**Example on Using Table, See Sheet 6.**

**NOT AVAILABLE IN THESE SIZES**

**Table 2a:**

<table>
<thead>
<tr>
<th>Silh Height to Max. (+) DP (Water Infiltration Rating)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silh Height (Flat or Box, see Sheet 17)</td>
</tr>
</tbody>
</table>

**DLO Width =**

NOM. PANEL WIDTH - 7" |

**DLO Height =**

DOOR UNIT HEIGHT - 10.125" |

**Panel Height =**

DOOR UNIT HEIGHT - 1.668" |

**PRODUCT REVISED as complying with the Florida Building Code**

NOA-No. 17-0420.12 |

Expiration Date 02/17/2020 |

By Miami-Dade Product Control
### TABLE 3:

**Design Pressure (DP) and Anchor Quantities Required, for all approved configurations on Sheets 2 & 3**

<table>
<thead>
<tr>
<th>Door Unit Height</th>
<th>92°/108° DLO</th>
<th>95°/105° DLO</th>
<th>98°/102° DLO</th>
<th>97°/108° DLO</th>
<th>91°/108° DLO</th>
<th>90°/108° DLO</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Anchor Group</strong></td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td><strong>Design Pressure</strong></td>
<td>+6.0 p.s.f.</td>
<td>+6.0 p.s.f.</td>
<td>+6.0 p.s.f.</td>
<td>+6.0 p.s.f.</td>
<td>+6.0 p.s.f.</td>
<td>+6.0 p.s.f.</td>
</tr>
<tr>
<td><strong>Head/Slab</strong></td>
<td>C4 + C1</td>
<td>C4 + C1</td>
<td>C4 + C1</td>
<td>C4 + C1</td>
<td>C4 + C1</td>
<td>C4 + C1</td>
</tr>
<tr>
<td><strong>Kicker</strong></td>
<td>C4 + C1</td>
<td>C4 + C1</td>
<td>C4 + C1</td>
<td>C4 + C1</td>
<td>C4 + C1</td>
<td>C4 + C1</td>
</tr>
<tr>
<td><strong>Anchor</strong></td>
<td>C4 + C1</td>
<td>C4 + C1</td>
<td>C4 + C1</td>
<td>C4 + C1</td>
<td>C4 + C1</td>
<td>C4 + C1</td>
</tr>
<tr>
<td><strong>Anchor</strong></td>
<td>C4 + C1</td>
<td>C4 + C1</td>
<td>C4 + C1</td>
<td>C4 + C1</td>
<td>C4 + C1</td>
<td>C4 + C1</td>
</tr>
<tr>
<td><strong>Anchor</strong></td>
<td>C4 + C1</td>
<td>C4 + C1</td>
<td>C4 + C1</td>
<td>C4 + C1</td>
<td>C4 + C1</td>
<td>C4 + C1</td>
</tr>
</tbody>
</table>

**NOTE A:** +40.0 p.s.f. FOR GLASS TYPES 4, 6A, 6A, 7A, 8 & 8A.

**EXAMPLE ON SHEET 2**

### TABLE 3A:

**Sill Height to Max. (+) DP**

<table>
<thead>
<tr>
<th>Sill Spec Height</th>
<th>(+) Design Pressure, psf</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flat or Box, see Sheet 16</td>
<td>40.0</td>
</tr>
<tr>
<td>Done - 1/2&quot;</td>
<td>35.0</td>
</tr>
<tr>
<td>Medium - 3/4&quot;</td>
<td>30.0</td>
</tr>
<tr>
<td>High - 4&quot;</td>
<td>25.0</td>
</tr>
</tbody>
</table>

**NOTE:**

1. **POSITIVE PRESSURES IN TABLE 3 ARE BASED ON THE USE OF THE 4" SILL.**
2. **WHEN USING THE 2-1/2" SILL, POSITIVE WATER DP IS 40.07 PSF MAX. WHEN USING THE 3-1/4" SILL, POSITIVE WATER DP IS 60.0 PSF MAX. WHEN USING THE 4" SILL, POSITIVE WATER DP IS 90.0 PSF MAX (NEGATIVE PRESSURES UNCHANGED), SEE TABLE 3A.**
3. **3-1/4" AND 2-1/2" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS THE 1-1/2" SILL IS NOT AND MUST ONLY BE USED WHERE WATER RESISTANCE IS NOT REQUIRED. MAX. POSITIVE DESIGN PRESSURES SHOWN IN TABLE 3A MAY BE USED WHEN THE DOOR IS PROTECTED BY AN OVERHANG COMPLYING WITH THE CURRENT FLORIDA BUILDING CODE (SEE ADJUNCT DIAGRAM). THIS CONDITION IS NOT TESTED FOR WATER INFILTRATION.**
4. **SEE SHEETS 10-14 FOR ANCHORAGE SPACING, EDGE DISTANCE AND EMBEDMENT INSTRUCTIONS.**
5. **DOOR SIZE TO COMPLY WITH CURRENT FBC EGRESS REQUIREMENTS WHEN REQUIRED.**
6. **JAMB ANCHORS ARE SPECIFIED AS THE TOTAL QUANTITY, DIVIDED BY 2 FOR PAIRS TO BE INSTALLED.**

**THE FOLLOWING STYLE & ASTRAGAL TYPES SHALL BE USED FOR TABLE 3, SEE SHEETS 21 & 22 FOR PART DIMENSIONS AND SHEETS 18 & 19 FOR ASSEMBLY DETAILS.**

<table>
<thead>
<tr>
<th>Intershell</th>
<th>P-hook</th>
<th>Lockstick @ Jamb</th>
<th>Straight Astragal Assembly</th>
<th>Lockstick @ Straight Astragal Assembly</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy-duty Slides</td>
<td>Heavy-duty Slides</td>
<td>Heavy-duty Slides</td>
<td>Heavy-duty Slides</td>
<td>Heavy-duty Slides</td>
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<tr>
<td>Part #61 (x2)</td>
<td>Part #61</td>
<td>Part #61 (Stile)</td>
<td>Part #61 (Stile)</td>
<td>Part #61 (Stile)</td>
</tr>
</tbody>
</table>

**PRODUCT REVEISED as complying with the Florida Building Code NOA-No. 17-0420.12**

Expiration Date 02/17/2020

By Miami-Dade Product Control

ANTHONY LYNCH MILLER
PROFESSIONAL ENGINEER
LICENSE No. 5050

A. LYNCH MILLER, P.E.
P.E. 547602

1758 TECHNOLOGY DRIVE
LA VENICE, FL 34240
(941) 485-1650

CERT. OF AUTH. KS5206
P.O. BOX 5000
FAIRFIELD, CA 95628

DP AND ANCHORAGE

SERIES 770 ALUM. SGD - LM IMPACT
NOTES:
1. ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
2. DETAILS DEPICT ANCHOR QUANTITY AND SPACING, AND WOULD BE IDENTICAL FOR EXTERIOR OR INTERIOR CORNER CONFIGURATIONS.
CONFIG. EXAMPLES

HEADER DETAIL 'A' SHEET 16; INSTALLATION DETAILS 'Aa' & 'Ab', SHEETS 12 & 13

NOTES:
1) SEE SHEET 17 FOR INDIVIDUAL PANEL CONFIGURATIONS AS APPLICABLE. SEE DIPANOR TABLES, SHEETS 6-8 FOR MAX.
   PANEL HEIGHT AND WIDTH. SEE SHEETS 16 & 15 FOR SECTION
   DETAILS AND SHEETS 12-14 FOR INSTALLATION DETAILS.
2) LOCK ITEMS T5 & T10-110 AT EACH LOCKSTILE, LOCKING INTO
   KEEPER (ITEM 103) AT FRAME JAMB OR ASTRAGAL.
3) PLEASE SEE APPLICABLE ASTRAGAL & INTERLOCK
   COMBINATIONS PER DIPANOR TABLES.

SILL DETAIL 'D', SHEET 18;
INSTALLATION DETAILS 'Dv' & 'Dc', SHEETS 12 & 13

EXAMPLE: 90° INSIDE CORNER, 4 PANELS - XX/XX

PART 4 DETAIL

FRAME CORNER DETAIL

SILICONE
BY OTHERS

POLYISOBUTYLYNE
WITH DESICCANT

PHB SMS #10 X 1-1/2"

PHB SMS #3 X 1"

STRUCTURAL
Silicone
5/16" Nom.
INT. GLASS
EXT. GLASS

KODISPACE 4SG TPS

SUPER SPACER® NXT™

DURASEAL® SPACER

XL EDGE™ SPACER

PRODUCT REVISED
as complying with the Florida Building Code
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17-0420.12
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ANCHORAGE DETAILS / EXAMPLE ELEVATION

SERIES 770 ALUM. SGD - LM IMPACT

ANCHORAGE DETAILS / EXAMPLE ELEVATION

124 (1) Kromerling 4SG TPS Spacer System

125 (1) Quanex Super Spacer mXT with Hot Melt Buluyl

126 (1) Quanex Duraseal Spacer

127 (1) Cardinal XL Edge Spacer

REFERENCE TEST REPORTS: FTI-5177, 8995 & 8970

See this Sheet for Materials
### Panel's Right Stile Type

| Panel Types | Single Interlock Out | Single Interlock In | Fixed Style | Lockstile W/ Handle | Astragal Box Out | Astragal Box In | Astragal Box W/ Handle | Astragal Box W/ Handle | Int Corner 90 Lockstile W/ Handle | Ext Corner 90 Receiver W/ Handle | Int Corner 90 Receiver W/ Handle | Ext Corner 90 Receiver W/ Handle | Int Corner 90 Receiver W/ Handle | Ext Corner 90 Receiver W/ Handle |
|-------------|----------------------|---------------------|-------------|---------------------|-----------------|-----------------|---------------------|---------------------|-------------------------------|---------------------------------|-------------------------------|---------------------------------|-------------------------------|---------------------------------|-------------------------------|
| F           | P                    | K                   | L           | TR                  | TQ               | TC               | TA                  | TV                  | TW                            |                                 |                               |                                 |                               |                                 |
| B           | E                    | P                  | A           | C                   | C                | IC               | SQ                  | SC                  | SA                            | SV                             | SW                            | FD                             | FC                             | FW                              |
| RR          | R                    | S                  | S           | J                   | J                |                  |                     |                     |                               |                                 |                               |                                 |                               |                                 |
| LR          |                      |                    |             |                     |                  |                  |                     |                     |                               |                                 |                               |                                 |                               |                                 |
| RT          | Cl                   | QT                 | QS          | CT                  | CS               | AT              | AS                  | DF                  |                              |                                 |                               |                                 |                               |                                 |
| VT          | VS                   | WF                 |             |                     |                  |                  |                     |                     |                               |                                 |                               |                                 |                               |                                 |
| CF          |                      |                    |             |                     |                  |                  |                     |                     |                               |                                 |                               |                                 |                               |                                 |

### Left Panel Stile

- **Interior**
- **Exterior**

### Right Panel Stile

- **Interior**
- **Exterior**

### Sill Risers Options

- **1/2"**
  - Flush Low, 2-1/2"
  - Flush Medium, 3-1/4"
  - Flush High, 4" (1"

- **2"**
  - Medium, 3-1/4"
  - Medium, 3-1/4" (3-1/4"

### Panel Notes
1. See DP Tables 1-3, Sheets 6-8 for panel sizes & design pressure.
2. Panel Types not shown or crossed off are not required for any configurations and are not available.
3. 90° Astragal to use heavy-duty stiles (#51) and either exterior (#118) or interior (#120) corner astragal.
4. 135° Astragals to use heavy-duty stiles (#51) and corner addition (#53).

**Product Revised**
- As complying with the Florida Building Code
- NOA: No. 17-0420.12
- Expiration Date: 02/17/2020
- By Miami-Dade Product Control

**NOT VALID FOR WATER INFILTRATION RESISTANCE REQUIREMENTS, SEE SHEETS 6-8**
ASSEMBLY DETAILS

(SEE SHEETS 12-14 FOR INSTALLATION DETAILS)

* ITEM #61 (HEAVY-DUTY STILES) SHOWN, ITEM #60
(STANDARD STILE) ALSO APPLICABLE, SEE TABLES
1-3, SHEETS 6-8 FOR DP (PSF) ASSOCIATED WITH
STILES.

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 17-0420.12
Expiration Date 02/17/2020
By
Miami-Dade Product Control

HORIZONTAL SECTION DETAILS, CORNERS

The
SERIES 770 ALUM. SGD - LM IMPACT

SDD-770
NTS 19 x 22
PGT0130

A. LYNN MILLER, P.E.
P.E. 50706
<table>
<thead>
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<th>Item</th>
<th>PGT Dwg. #</th>
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<th>Description</th>
</tr>
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<td>1</td>
<td>17326</td>
<td>015760</td>
<td>2-TRACK HEAD</td>
</tr>
<tr>
<td>2</td>
<td>17326</td>
<td>015793</td>
<td>3-TRACK HEAD WITH SCREEN RAIL</td>
</tr>
<tr>
<td>3</td>
<td>17326</td>
<td>015786</td>
<td>3-TRACK HEAD</td>
</tr>
<tr>
<td>4</td>
<td>17319</td>
<td>015712</td>
<td>4-TRACK HEAD</td>
</tr>
<tr>
<td>5</td>
<td>17314</td>
<td>015714</td>
<td>FRAME SCREW COVER</td>
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<td>6</td>
<td>17317</td>
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<td>FRAME HEAD JAMB ADD-ON</td>
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<td>7</td>
<td>17304</td>
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<td>2-TRACK SILL</td>
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<td>8</td>
<td>17301</td>
<td>015731</td>
<td>2-TRACK SILL WITH SCREEN RAIL</td>
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<tr>
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<td>17307</td>
<td>015737</td>
<td>3-TRACK SILL</td>
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<tr>
<td>10</td>
<td>17310</td>
<td>015750</td>
<td>4-TRACK SILL</td>
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<td>11</td>
<td>17313</td>
<td>015713</td>
<td>FRAME SILL, TRACK INSERT</td>
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<td>17315</td>
<td>015715</td>
<td>FRAME SILL SCREEN ADD-ON (SEE NOTE 3)</td>
</tr>
<tr>
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<td>015716</td>
<td>FRAME SILL SCREEN END ADD-ON (SEE NOTE 3)</td>
</tr>
<tr>
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<td>2-TRACK JAMB</td>
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<td>17</td>
<td>17311</td>
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<td>4-TRACK JAMB</td>
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<td>SILL RISER - FLAT, FLUSH, 1-1/2&quot;</td>
</tr>
<tr>
<td>19</td>
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<tr>
<td>26</td>
<td>17333</td>
<td>015733</td>
<td>POCKET P &amp; HOOK</td>
</tr>
<tr>
<td>27</td>
<td>7679</td>
<td>6705</td>
<td>SILL RISER - NR Finish W/SP For P &amp; HOOK</td>
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<td>17324</td>
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<td>32</td>
<td>4310</td>
<td>012556</td>
<td>SCREEN SIDE RAIL - LOGO STYLE</td>
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<td>33</td>
<td>4310</td>
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<td>SCREEN LOCKSET</td>
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<tr>
<td>35</td>
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<td>012512</td>
<td>SCREEN INTERLOCK ADAPTOR</td>
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<td>012540</td>
<td>SCREEN DOUBLE INTERLOCK</td>
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<td>37</td>
<td>4310</td>
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<td>SCREEN BOTTOM RAIL</td>
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<td>41</td>
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<td>012540</td>
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<tr>
<td>46</td>
<td>1725</td>
<td>017250</td>
<td>1/2&quot; X 4&quot; X 11/16&quot; SET. BLOCK, NEOPRENE 86 +5</td>
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<td>1/2&quot; X 4&quot; X 11/16&quot; SET. BLOCK, NEOPRENE 86 -15</td>
</tr>
</tbody>
</table>

**NOTES:**
1) ALL ALUMINUM = 6003-T6
2) ITEMS # 23-39, 56-59, 66, 78, 84-99, 121 & 122 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.
3) USE OF #12 OR #13 REQUIRES MIN. #10 SMS OR 3/16" MASONRY ANCHORS @ 24" MAX. O.C.