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 “SGD-780” Aluminum Sliding Glass Door w/90° & 135° corner (Reinf/Non-Reinf) – L.M.I.

APPROVAL DOCUMENT: Drawing No. MD-780.0 Rev B titled “Aluminum Sliding Glass Door (LMY)”, sheets 1 through 18 of 18, dated 10/05/15 and last revised on 07/17/17, prepared by PGT Industries, 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

Limitations:
1. Max Panels configuration is allowed per tables 1 thru 3, not to exceed 462.11 ft². The inside/outside 90° & 135° corner units are limited to straight panel each corner side per tables 1 thru 3.
2. See sheets 7 & 8 for Design Pressure (DP), glass type, sill type for positive DP limit, applicable reinforcement and anchorage quantity requirements. See sheet 11 for glass options. See sheets 12 thru 15 for anchors lay out at tracks and corners. See Pocket anchor details in sheet 6.
3. Pockets wall, cavity are not part of this approval. Exterior/Interior Pocket wall & applicable Egress requirement to be reviewed by Building 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 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 and renews NOA #16-0629.10 and 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.

NOA No. 17-0420.04
Expiration Date: August 02, 2022
Approval Date: July 27, 2017
Page 1
PGT Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS
1. Manufacturer's die drawings and sections (Submitted under files # listed below)
2. Drawing No. MD-780.0 Rev B titled “Aluminum Sliding Glass Door (IM)”, sheets 1 through 18 of 18, dated 10/05/15 and last revised on 07/17/17, prepared by PGT Industries, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS
1. Test reports on: 1) Uniform Static Air Pressure Test, Loading 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 SGD (w TPS, Super, Cardinal & Duraseal spacers), prepared by Fenestration Testing Laboratory, Inc., Test Reports No(s) FTL–8717, FTL–8970 and FTL–8968, dated 02/15/16, 06/07/16 and 06/20/16, all signed and sealed by Idalmis Ortega, P. E.

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, TAS 202-94
Along with marked–up drawings and installation diagram of Aluminum SGD w/135° interior/Exterior corner & interior pocket mount, prepared by Fenestration Testing Laboratory, Inc., Test Reports No(s) FTL–8322 and FTL–8374, dated 08/06/15, both signed and sealed by Idalmis Ortega, P. E. (Addendum letter dated Jan 18, 2016, issued by Fenestration Testing Lab)

C. CALCULATIONS
1. Anchor verification calculations and structural analysis dated 04/08/17 and last revised on 07/17/17, complying with FBC-2017 (6th Edition), prepared by PGT, signed and sealed by Lynn Miller, P.E.
2. Anchor verification calculations and structural analysis dated 01/20/16, complying with FBC-2014 (5th Edition), prepared by PGT, signed and sealed by Lynn Miller, P.E. (submitted under file #15-0903.09)
2. Glazing complies w/ ASTM E-1300-02, 04 & -09.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-0420.04
Expiration Date: August 02, 2022
Approval Date: July 27, 2017

E - 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

E. MATERIAL CERTIFICATIONS
1. Notice of Acceptance No. 14-0916.11 issued to Kuraray America, Inc. (Former E.I. DuPont DeNemours & Co., Inc.) for the “Sentry Glass ® (Clear and White) Glass Interlayers”, expiring on 07/04/18.
2. Notice of Acceptance No. 16-1117.01 issued to Kuraray America, Inc. (Former E.I. DuPont DeNemours & Co., Inc.) for the “Trofisil Ultra clear & color PVB Interlayers (former Butacite)”, expiring on 07/08/19.

F. STATEMENTS
2. Statement letter of conformance to FBC 2014(5th edition) and letter of no financial interest, prepared by PGT, dated 08/28/15, signed and sealed by Lynn Miller, P.E. (submitted under file #15-0903.09)
3. Spacer reference e-mail by PGT dated Jan 13, 2016, signed by Lynn Miller, P.E.
4. Lab compliance as part of the above referenced test report.

G. OTHER
1. This NOA revises & renews NOA #16-0629.10, expiring 08/02/22.
2. Test proposal # 07-2583, approved by BCCO, #14-1739 & 17-0387 approved by RER.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-0420.04
Expiration Date: August 02, 2022
Approval Date: July 27, 2017
## TABLE A:

<table>
<thead>
<tr>
<th>Anchor Group</th>
<th>Anchor Type</th>
<th>Frame Member</th>
<th>Substrate</th>
<th>Min. Edge Distance</th>
<th>Min. O.C. Distance</th>
<th>Min. Embedment or Metal Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>#12 410 SS SMS (min. of 3 threads beyond metal substrate)</td>
<td>All</td>
<td>Southern Pine (SG = 0.55)</td>
<td>9/16&quot;</td>
<td>7/8&quot;</td>
<td>1-3/8&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>6063 T6 Aluminum</td>
<td>3/8&quot;</td>
<td>9/16&quot;</td>
<td>0.305&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>A36 Steel</td>
<td>3/8&quot;</td>
<td>9/16&quot;</td>
<td>0.305&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Gr. 33 Steel Stud</td>
<td>3/8&quot;</td>
<td>9/16&quot;</td>
<td>0.455&quot; (18 Ga)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Concrete (min. 2.22 ksi)</td>
<td>1-1/2&quot;</td>
<td>1-3/8&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>F_p = 57 ksi, F_p = 96 ksi</td>
<td>Jambs / P-hoek</td>
<td>Filled Block (ASTM C60)</td>
<td>2&quot;</td>
<td>2&quot;</td>
</tr>
</tbody>
</table>

## TABLE B:

### DESCRIPTION (Listed from Exterior to Interior):

<table>
<thead>
<tr>
<th>Glass Type</th>
<th>Description</th>
<th>Table #</th>
<th>Sheet #</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/16&quot; Laminated: I.G. / 7/16&quot; T Exterior Cap + 7/16&quot; Air Space + 7/16&quot; Laminated consisting of (1) Ite of 3/16&quot; Glue Chip Glass and (1) Ite of 3/16&quot; HS Glass with .090&quot; PVB Interlayer</td>
<td>7/16&quot;</td>
<td>2</td>
<td>7</td>
</tr>
<tr>
<td>1-1/16&quot; Laminated: I.G. / 7/16&quot; T Exterior Cap + 7/16&quot; Air Space + 7/16&quot; Laminated consisting of (1) Ite of 3/16&quot; Glue Chip Glass and (1) Ite of 3/16&quot; HS Glass with .090&quot; PVB Interlayer</td>
<td>7/16&quot;</td>
<td>2</td>
<td>7</td>
</tr>
<tr>
<td>1-1/8&quot; Laminated: I.G. / 7/16&quot; T Exterior Cap + 7/16&quot; Air Space + 7/16&quot; Laminated consisting of (1) Ite of 3/16&quot; Glue Chip Glass and (1) Ite of 3/16&quot; HS Glass with .090&quot; PVB Interlayer</td>
<td>7/16&quot;</td>
<td>2</td>
<td>7</td>
</tr>
<tr>
<td>1-3/8&quot; Laminated: I.G. / 3/8&quot; T Exterior Cap + 3/8&quot; Air Space + 7/16&quot; Laminated consisting of (1) Ite of 3/16&quot; Glue Chip Glass and (1) Ite of 3/16&quot; HS Glass with .090&quot; PVB Interlayer</td>
<td>7/16&quot;</td>
<td>2</td>
<td>7</td>
</tr>
<tr>
<td>7/16&quot; Laminated: (2) Ite of 3/16&quot; HS Glass with .090&quot; SG Interlayer</td>
<td>7/16&quot;</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>9/16&quot; Laminated: (2) Ite of 1/4&quot; HS Glass with .090&quot; SG Interlayer</td>
<td>7/16&quot;</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>1-1/8&quot; Laminated: I.G. / 7/16&quot; T Exterior Cap + 7/16&quot; Air Space + 7/16&quot; Laminated consisting of (1) Ite of 3/16&quot; Glue Chip Glass and (1) Ite of 3/16&quot; HS Glass with .090&quot; SG Interlayer</td>
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<td>1</td>
<td>7</td>
</tr>
<tr>
<td>1-1/8&quot; Laminated: I.G. / 7/16&quot; T Exterior Cap + 7/16&quot; Air Space + 7/16&quot; Laminated consisting of (1) Ite of 3/16&quot; Glue Chip Glass and (1) Ite of 3/16&quot; HS Glass with .090&quot; SG Interlayer</td>
<td>7/16&quot;</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td>7/16&quot; Laminated: (2) Ite of 3/16&quot; HS Glass with .090&quot; SG Interlayer</td>
<td>7/16&quot;</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>9/16&quot; Laminated: (2) Ite of 1/4&quot; HS Glass with .090&quot; SG Interlayer</td>
<td>7/16&quot;</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>1-1/8&quot; Laminated: I.G. / 7/16&quot; T Exterior Cap + 7/16&quot; Air Space + 7/16&quot; Laminated consisting of (1) Ite of 3/16&quot; Glue Chip Glass and (1) Ite of 3/16&quot; HS Glass with .090&quot; SG Interlayer</td>
<td>7/16&quot;</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td>1-1/8&quot; Laminated: I.G. / 7/16&quot; T Exterior Cap + 7/16&quot; Air Space + 7/16&quot; Laminated consisting of (2) Ite of 3/16&quot; HS Glass with .090&quot; SG Interlayer</td>
<td>7/16&quot;</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td>1-1/8&quot; Laminated: I.G. / 7/16&quot; T Exterior Cap + 7/16&quot; Air Space + 7/16&quot; Laminated consisting of (2) Ite of 3/16&quot; HS Glass with .090&quot; SG Interlayer</td>
<td>7/16&quot;</td>
<td>3</td>
<td>8</td>
</tr>
</tbody>
</table>

### 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 thickness requirements.

2. For other substrate applications see Table A on this sheet.

3. Wood bucks depicted as 1x are less than 1-1/2" thick. Properly secured, 1x wood bucks are optional if the unit is installed directly to solid concrete or CMU. 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 structure. Buck design and installation is the responsibility of the engineer or architect of record & to be reviewed 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 sill is tight to substrate, grout or other material is not required. If used, non-Shrink, non-metallurgical grout, max. 1/4" thick & 3400 psi min. (done by others) must fully support the entire length of the sill that is not tight to the substrate. Transfer shear load to substrate. If substrate is wood, 306 felt paper or mastic is required between the grout and wood substrate, or as approved by the authority having jurisdiction.

### General Notes:

1. Example configurations.
2. Install details.
3. Design pressure rating.
4. Example configurations.
5. Grouting details.
6. Anchor locations.
7. Panel types.
8. Extrusions.
9. Parts list.

### Impact Rating:

- Rated for large & small missile impact resistance.

### Design Pressure Rating:

See tables 1-3 & C1-C2 on sheets 7 & 8.
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 pXXXp, pXXXP OR XXXp. XXX IN POCKET CONFIGURATION CAN BE XXXXp.

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 1-3.

5) MAX. ALLOWABLE FRAME SQUARE FOOTAGE = 462.11 FT²

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

DLO WIDTH = NOM. PANEL WIDTH - 7.875"
DLO HEIGHT (STD.BOT. RAIL. #22) = DOOR UNIT HEIGHT - 13.47"
DLO HEIGHT (TALL BOT. RAIL. #23) = DOOR UNIT HEIGHT - 17.29"
PANEL HEIGHT = DOOR UNIT HEIGHT - 2.25"
NOTES:
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS. SEE SHEET 12 FOR ANCHOR LOCATIONS & SPACING FOR EACH TRACK CONFIGURATION.
2) REFER TO ANCHOR NOTES, SHEET 1.
3) FOR ANCHOR QUANTITIES, SEE TABLES 1-3.
4) ALL REINFORCEMENTS ARE APPROXIMATELY THE FULL LENGTH OF THE EXTRUSION. REFER TO TEST REPORTS FOR EXACT DIMENSIONS.
5) FOR DAYLIGHT OPENING (DLO) FORMULAS, SEE SHEET 2.
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 1-3.
3) CORNER ASTRAGAL MAY BE EITHER TO THE INTERIOR OR EXTERIOR, DEPENDING ON CONFIGURATION.
OPTIONAL NON-STRUCTURAL ANCHORS FOR INTERIOR POCKET JAMB

INTERIOR POCKETS MUST INCLUDE A NON-STRUCTURAL, FRAME JAMB TO PREVENT WATER INFILTRATION.

POCKET BY OTHERS, SEE NOTE 6 BELOW.

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

METAL TYP., SEE ANCHOR NOTE 4, SHEET 1, ANCHOR LENGTH TO BE A MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.

DETAIL 12
INTO MASONRY

CONCRETE/CMU PER ANCHOR REQUIREMENT

EMBEDMENT

EDGE DISTANCE

EMBEDMENT

EDGE DISTANCE

EMBEDMENT

EDGE DISTANCE

EMBEDMENT

EDGE DISTANCE

1/4" MAX.

1/4" MAX.

1/4" MAX.

SEE NOTE 4, BELOW

SEE NOTE 4, BELOW

SEE NOTE 4, BELOW

DETAIL 13
INTO METAL

DETAIL 14
INTO 2X WOOD

DETAIL 11
INTO MASONRY

INTERIOR POCKET

EXTERIOR POCKET

EXTERIOR POCKET

NOTES

1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) REFER TO ANCHOR NOTES, SHEET 1.
3) SEE SHEET 15 FOR ANCHOR LOCATION & SPACING.
4) #10 X 3/4" SMS @ MAX. 5-1/2" FROM ENDS & 12" MAX. O.C.
5) INTERIOR OR EXTERIOR POCKETS APPLICABLE FOR ALL INSTALLATION METHODS.
6) POCKET WALL OR CAVITY IS NOT PART OF THIS APPROVAL AND IS TO BE DESIGNED BY OTHERS AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION.
TABLE 1:

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

<table>
<thead>
<tr>
<th>Door Unit Height</th>
<th>Anchor Group</th>
<th>Anchor Group</th>
<th>Anchor Group</th>
<th>Anchor Group</th>
<th>Anchor Group</th>
<th>Anchor Group</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>36°</td>
<td>28-1/8&quot; DLO</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
</tr>
<tr>
<td></td>
<td>42°</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
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<td>48°</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
</tr>
</tbody>
</table>

TABLE 2:

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

<table>
<thead>
<tr>
<th>Door Unit Height</th>
<th>Anchor Group</th>
<th>Anchor Group</th>
<th>Anchor Group</th>
<th>Anchor Group</th>
<th>Anchor Group</th>
<th>Anchor Group</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>36°</td>
<td>28-1/8&quot; DLO</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
</tr>
<tr>
<td></td>
<td>42°</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
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<tr>
<td></td>
<td>48°</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
<td>+60 / -60 psf</td>
</tr>
</tbody>
</table>

TABLE C1:

Water-Limited (+) Design Limited

<table>
<thead>
<tr>
<th>Sill Riser</th>
<th>Total Sill Height</th>
<th>Max (+) DP Allowed</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>1-1/8&quot;</td>
<td>80.0 psf</td>
</tr>
<tr>
<td>14</td>
<td>2-3/4&quot;</td>
<td>80.0 psf</td>
</tr>
<tr>
<td>16</td>
<td>5-1/4&quot;</td>
<td>80.0 psf</td>
</tr>
</tbody>
</table>

FIG 1:

OH LENGTH

DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT IS EXEMPTED FROM WATER INFILTRATION RESISTANCE.
### Table 3: Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheet 2)

For corner anchorage on 80° & 135° corner units, see sheets 14 & 15

| Reinforcement (part # 20) is required in the Exterior Interlock | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z
| 22-1/4° DLO | 30° | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4
| 36° | 28-1/4° DLO | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4
| 42° | 34-1/4° DLO | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4
| 48° | 40-1/4° DLO | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4
| 54° | 46-1/4° DLO | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4
| 60° | 52-1/4° DLO | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4

**See Formulas Below**

**Table Notes:**
1) If water infiltration resistance is required, the lesser value of Table 3 and Table C2 determines the water limited (+) DP.
2) The 1-1/8" sill riser, #12, may only be used where water infiltration resistance is not required or overhang is per Fig 1. If so, (+)DP's shown in Table 3 may be used.
3) See Sill Riser Types on Sheet 4.
4) Details apply to 2, 3 and 4 track configurations.
5) Refer to anchor notes, Sheet 1.
6) See sheets 12-15 for anchor locations & spacing.

---

**Table C2: Water Limited (+) Design Pressure**

<table>
<thead>
<tr>
<th>Sill Riser</th>
<th>Total Sill Height</th>
<th>Max. (+) DP Allowed</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>1-5/8&quot; See Note 2</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>2-3/4&quot;</td>
<td>+10.0 psf</td>
</tr>
<tr>
<td>13</td>
<td>6&quot;</td>
<td>+17.3 psf</td>
</tr>
<tr>
<td>15</td>
<td>1/2&quot;</td>
<td>+30.0 psf</td>
</tr>
<tr>
<td>16</td>
<td>5/16&quot;</td>
<td>+105.0 psf</td>
</tr>
</tbody>
</table>

**See Formulas Below**

**Usage in Example 1, Sheet 9**

---

**Fig 1:**
- Door Assembly installed where the overhang (OH) length is equal to or greater than the overhang height is exempted from water infiltration resistance.
- DO NOT USE FOR WATER INLETING WITH THE DP/HALING.
EXAMPLE 1:
3-Panel, 3 Track, Straight Configuration - PXXX, Interior Mount Pocket,
48" x 80" Nom. Panels, laminated, IG Glazing,
Anchor Group B in Wood Substrate,
Project Design Pressure Required: +98.2/-108.6 PSF

USER INSTRUCTIONS:
1) Knowing the product's requirements, scan through Tables 1-3 for a design pressure that meets or exceeds the requirement of +98.2/-108.6 at a Nom. Panel size of 48" x 80". From Table 3, Sheet 8, the Design Pressure is +105/-115 which exceeds the project design pressure requirements.

For wood installation using any anchor in group B (see Table A), Table 3 shows anchor requirements of:

<table>
<thead>
<tr>
<th>Head/Sill</th>
<th>Jamb</th>
<th>P-Hook</th>
</tr>
</thead>
<tbody>
<tr>
<td>C6+3</td>
<td>10</td>
<td>4+4</td>
</tr>
</tbody>
</table>

2) Anchor location details (as shown on this sheet) can be found on:
Head/Sill, sheet 13 for the "C6" cluster anchors at interlock, sheet 12 for the intermediate +3" anchors located at the centerline of all 3 panels.
Jamb: 5 pairs of anchors = 10 total anchors. Refer to sheet 12 for general layout.
P-Hook: 4 anchors perpendicular to glass and 4 anchors parallel to glass. Refer to sheet 15 for general layout.

3) Installation details into wood can be found on:
Head/Sill & Jamb, sheets 3 & 4
P-Hook, sheet 6

For product references, also see:
A) Sheet 2 for allowable configurations and exact locations of cross-section drawings.
B) Sheet 11 for specific glazing types.
C) Sheet 16 for allowable panel types and call names.
D) Sheets 4 & 17 for extrusion cross-section drawings.
E) Sheet 18 for a bill of materials.

END PANEL ANCHOR EXCEPTION, (+11" Anchor Only):
Distance to next cluster TO BE 24" O.C. OR LESS
Centerline of End Panel

ANCHORS AT THE MIDPOINT OF END PANELS ARE ONLY REQUIRED IF THE O.C. DISTANCE TO THE NEXT ANCHOR CLUSTER IS OVER 24", OTHERWISE ANCHORS ARE NOT REQUIRED AT THE MIDSPAN AS PER THE FIGURE ABOVE.

ALUMINUM SLIDING GLASS DOOR NOA (LM)
10/05/15
STRAIGHT DOOR EXAMPLE: J ROSOWSKI
NO CHANGES THIS SHEET.
04/05/17
SGD-780 NTS 9 OF 18 MD-780.0 05 B
1070 TECHNOLOGY DR.
VENICE, FL 34293
(941) 480-1600
CERT. OF AUTH. 729296
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EXAMPLE 2:
5-PANEL, 2 TRACK, 90° OUTSIDE CORNER - PXIXXO,
EXTERIOR MOUNT POCKET
54" X 84" NOM. PANELS, LAMINATED GLAZING
ANCHOR GROUP C IN CONCRETE SUBSTRATE
PROJECT DESIGN PRESSURE REQUIRED: +68.4/-77.1 PSF

FOR STABILITY, EXTRA ANCHORS MAY BE ADDED IN THE POCKET
POCKET BY OTHERS, SEE NOTE 6, SHEET 5

24" MAX. O.C.
24" MAX. O.C.
11" MAX
14-5/16" MAX.
14-5/16" MAX.
4 ANCHORS PERPENDICULAR TO THE GLASS
4 ANCHORS PARALLEL TO THE GLASS

NO FRAME JAMB REQUIRED @ EXTERIOR POCKETS
SEE POCKET JAMB INSTALLATION ON SHEET 6

6" MAX. TO OPENING EDGE OF POCKET

CENTERLINE OF PANEL 1

CENTERLINE OF INTERLOCK

CENTERLINE OF PANEL 2

CENTERLINE OF PANEL 3

CENTERLINE OF INTERLOCK

CENTERLINE OF PANEL 4

CENTERLINE OF ASTRAGAL

CENTERLINE OF PANEL 5

CENTERLINE OF END PANEL

6" MAX.

FOR FIXED PANEL, REFER TO "O" PANEL BRACKET DETAILS, SHEET 3

HEAD/SILL ANCHORAGE DETAILS
90° OUTSIDE CORNER - PXIXXO - 2 TRACK

USER INSTRUCTIONS:
1) KNOWING THE PRODUCT REQUIREMENTS, SCAN THROUGH TABLES 1-3 FOR A DESIGN PRESSURE THAT MEETS OR EXCEEDS THE REQUIREMENT OF +68.4/-77.1 AT A NOM. PANEL SIZE OF 54" X 84", FROM TABLE 1, SHEET 7. THE DESIGN PRESSURE IS +80-80 WHICH EXCEEDS THE PROJECT DESIGN PRESSURE REQUIREMENTS.

FOR CONCRETE INSTALLATION USING ANY ANCHOR IN GROUP C (SEE TABLE A), TABLE 1 SHOWS ANCHOR REQUIREMENTS OF:

| Head/Sill | 4+2 |
| Jamb | 8 |
| P-hook | 4+4 |

2) ANCHOR LOCATION DETAILS, (AS SHOWN ON THIS SHEET) CAN BE FOUND ON:
HEAD/SILL: SHEET 13 FOR THE "C4" CLUSTER ANCHORS LOCATED AT THE ASTRAGAL AND INTERLOCKS, SHEET 12 FOR THE INTERMEDIATE "K2 ANCHORS, HEAD/SILL & CORNER, SHEET 14 FOR THE "C4" CLUSTER ANCHORS @ THE 90° CORNER, JAMB: 4 PAIRS OF ANCHORS = 8 TOTAL ANCHORS REFER TO SHEET 12 FOR GENERAL LAYOUT, P-HOOK: 4 ANCHORS PERPENDICULAR TO GLASS AND 4 ANCHORS PARALLEL TO GLASS. REFER TO SHEET 15 FOR GENERAL LAYOUT.

3) INSTALLATION DETAILS INTO CONCRETE CAN BE FOUND ON:
HEAD/SILL & JAMB: SHEETS 3 & 4
P-HOOK: SHEET 6

FOR PRODUCT REFERENCES, ALSO SEE:
A) SHEET 2 FOR ALLOWABLE CONFIGURATIONS AND EXACT LOCATIONS OF CROSS-SECTION DRAWINGS.
B) SHEET 11 FOR SPECIFIC GLAZING TYPE.
C) SHEET 16 FOR ALLOWABLE PANEL TYPES AND CALL NAMES.
D) SHEETS 4 & 17 FOR EXTRUSION CROSS-SECTION DRAWINGS.
E) SHEET 18 FOR A BILL OF MATERIALS.

END PANEL ANCHOR EXCEPTION, (+1) ANCHORAGE ONLY

ANCHORS AT THE MIDPOINT OF END PANELS ARE ONLY REQUIRED IF THE O.C. DISTANCE TO THE NEXT ANCHOR CLUSTER IS OVER 24", OTHERWISE ANCHORS ARE NOT REQUIRED AT THE MIDSPAN AS PER THE FIGURE ABOVE:

ALUMINUM SLIDING GLASS DOOR NOA (LM) 10/05/15
CORNER DOOR EXAMPLE B R. ROSOWSKI
NO CHANGES THIS SHEET 04/05/17
SGD-780 NTS 10 OF 18 MD-780.0 B
1075 TECHNOLOGY DR N. VENICE, FL 34275 (941) 480-1600
CERT. OF AUTH. #23926
COPYRIGHT © 2017 PGT INDUSTRIES, INC. ALL RIGHTS RESERVED
JAMB ANCHOR LAYOUT FOR ALL DOORS:

2.53' 6" DIAG.

24-1/2" MAX.
O.C.

7-11/16" MAX.

2-TRACK FRAME JAMB ANCHOR PAIR

2.53' 6" DIAG.

24-1/2" MAX.
O.C.

7-11/16" MAX.

3-TRACK FRAME JAMB ANCHOR PAIR

NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED, UNLESS OTHERWISE NOTED.
2) FOR 3-TRACK JAMS, ANCHORS MAY BE INSTALLED EITHER IN THE EXT. OR INT. TRACK.
3) MIN. OF 8 ANCHORS IN JAMB (4 PAIRS).

HEAD/SILL "4+" INTERMEDIATE ANCHORS LAYOUT FOR ALL DOORS:

NOTE:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
2) SILL SHOWN, HEAD SIMILAR.

2. TRACK INTERMEDIATE
"4+" ANCHOR LOCATION
2. TRACK INTERMEDIATE
"2+" ANCHOR LOCATION
3. TRACK INTERMEDIATE
"3+" ANCHOR LOCATION
4. TRACK INTERMEDIATE
"4+" ANCHOR LOCATION

5.06" 2.53'

ALT. USE WHERE "2+" ANCHOR IS REQUIRED

2.53" 6" DIAG.

24-1/2" MAX.
O.C.

7-11/16" MAX.

3-TRACK FRAME JAMB ANCHOR PAIR

P-hook 4+4

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VENICE, FL 34275
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HEAD/SILL CLUSTER ANCHORS LAYOUT FOR ALL DOORS:

NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
2) SILT SHOWN, HEAD SIMILAR.
3) IF A SPLICING IS NOT SHOWN AT A GIVEN CLUSTER QUANTITY, USE THE NEXT HIGHER CLUSTER QUANTITY.
HEAD/SILL 90° CORNER CLUSTER ANCHORS LAYOUT:

90° CORNER, 2-TRACK (USE WHERE 4 CLUSTER ANCHORS ARE REQUIRED, "C")

90° CORNER, 2-TRACK (USE WHERE 8 CLUSTER ANCHORS ARE REQUIRED, "C")

90° CORNER, 2-TRACK (USE WHERE 12 CLUSTER ANCHORS ARE REQUIRED, "C")

90° CORNER, 3-TRACK (USE WHERE 4 OR 6 CLUSTER ANCHORS ARE REQUIRED, "C")

90° CORNER, 3-TRACK (USE WHERE 8 CLUSTER ANCHORS ARE REQUIRED, "C")

90° CORNER, 3-TRACK (USE WHERE 10 CLUSTER ANCHORS ARE REQUIRED, "C")

90° CORNER, 4-TRACK (USE WHERE 4 OR 6 CLUSTER ANCHORS ARE REQUIRED, "C")

90° CORNER, 4-TRACK (USE WHERE 8 CLUSTER ANCHORS ARE REQUIRED, "C")

90° CORNER, 4-TRACK (USE WHERE 10 CLUSTER ANCHORS ARE REQUIRED, "C")

NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
2) DETAILS DEPICT ANCHOR QUANTITY AND SPACING, AND WOULD BE SIMILAR FOR INSIDE AND OUTSIDE CORNER CONFIGURATIONS.
3) SILL SHOWN, HEAD SIMILAR.
P-HOOK ANCHORS LAYOUT FOR ALL DOORS:

11" MAX.
14-5/16" MAX.
24-1/2" MAX.

HEAD/SILL 135° CORNER CLUSTER ANCHORS LAYOUT:

135° CORNER, 3-TRACK (USE WHERE 4 OR 6 CLUSTER ANCHORS ARE REQUIRED, *C15")
2.53" 3.31" EXTERIOR
4.17"

135° CORNER, 3-TRACK (USE WHERE 8 CLUSTER ANCHORS ARE REQUIRED, *C15")
2.53" 3.31" EXTERIOR
4.17"

135° CORNER, 2-TRACK (USE WHERE 10 CLUSTER ANCHORS ARE REQUIRED, *C15")
2.53" 3.31" EXTERIOR
4.17"

NOTES:
1) SEE TABLES 1-3 FOR EXACT QUANTITY OF ANCHORS REQUIRED IN THE P-HOOK.

FIGURES PERTAIN TO THE FOLLOWING 135° CORNER ANCHOR LOCATIONS:

NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
2) DETAILS DEPICT ANCHOR QUANTITY AND SPACING, AND WOULD BE SIMILAR FOR INSIDE AND OUTSIDE CORNER CONFIGURATIONS.
3) SILL SHOWN, HEAD SIMILAR.

ALUMINUM SLIDING GLASS DOOR NOA (LM)
ANCHOR LAYOUT J ROSOWSKI
NO CHANGES THIS SHEET.

SGD-780 NTS 15 OF 18 MD-780.0
1070 TECHNOLOGY DR
N. VENICE, FL 34275
(941)-480-1600
CERT. OF AUTH. #2026
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NOTES: 1) SEE SHEET 4 FOR SILL RISERS. ALL DIMENSIONS IN INCHES.
### Table D. Continued:

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<tr>
<th>#</th>
<th>Part #</th>
<th>Description</th>
<th>Material</th>
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<td>43</td>
<td>1695</td>
<td>1-1/2&quot; X 1&quot; X 3/4&quot; Fin Seal Dust Plug</td>
<td>6063 T6 Al</td>
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<tr>
<td>44</td>
<td>6TP246</td>
<td>Vinyl Bulb Weatherstrip @ Interlock</td>
<td>Flex PVC</td>
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<td>45</td>
<td>6TP247</td>
<td>Vinyl Bulb Weatherstrip @ P-hook</td>
<td>Flex PVC</td>
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<td>1644</td>
<td>.187&quot; X .270&quot; Weatherstrip</td>
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<td>8175</td>
<td>Corner Astragal Seal</td>
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<td>48</td>
<td>1270</td>
<td>1/2&quot; X 1-1/8&quot; Open Cell Foam Pad, 3+ Panels</td>
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<td>49</td>
<td>8197</td>
<td>5/16&quot; X 2&quot; Lagbolt</td>
<td>SS</td>
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<tr>
<td>50</td>
<td>8153</td>
<td>Tandem St. Stl. Roller Assembly</td>
<td>SS</td>
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<tr>
<td>51</td>
<td>8153</td>
<td>Tandem Nylon Roller Assembly</td>
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<tr>
<td>52</td>
<td>8052</td>
<td>Roller Adj. Hole Plug</td>
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<td>53</td>
<td>8022</td>
<td>Interior Bead</td>
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<td>56</td>
<td>8146</td>
<td>1-1/16&quot; OG Bead</td>
<td>6063 T5 Al</td>
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<td>8148</td>
<td>9/16&quot; Square Bead</td>
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<td>59</td>
<td>8149</td>
<td>1-1/8&quot; Square Bead</td>
<td>6063 T5 Al</td>
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<tr>
<td>60</td>
<td>6TP247</td>
<td>Vinyl Glazing Bulb</td>
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<td>61</td>
<td>1643</td>
<td>Foam-filled Glazing Bulb (7/16&quot; glazing only)</td>
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<td>62</td>
<td>890</td>
<td>Dow 890, 895 or Interglass Glazing Silicon</td>
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<tr>
<td>63</td>
<td>1725</td>
<td>Setting Block, 1/2&quot; X 4&quot; X 11/16&quot;</td>
<td>EPDM</td>
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<tr>
<td>64</td>
<td>1726</td>
<td>Setting Block, 1&quot; X 4&quot; X 1/16&quot; (IG)</td>
<td>EPDM</td>
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<tr>
<td>65</td>
<td>1726</td>
<td>Super Spacer NTX with Hot Melt Butyl</td>
<td>Composite</td>
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<tr>
<td>66</td>
<td>1726</td>
<td>Duraseal</td>
<td>Composite</td>
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<td>67</td>
<td>1726</td>
<td>Cardinal XL Edge Spacer</td>
<td>Composite</td>
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<td>710X4PPSDAX</td>
<td>#10 X 3/4&quot; Ph. SMS @ P-hook</td>
<td>SS</td>
</tr>
<tr>
<td>69</td>
<td>710X4PPS</td>
<td>#6 X 5/8&quot; Ph. SMS @ Single Interlock</td>
<td>SS</td>
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<td>70</td>
<td>710X4PPS</td>
<td>#6 X 3/4&quot; Ph. SMS @ Double Interlock</td>
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<tr>
<td>71</td>
<td>710X15PPX</td>
<td>#10 X 1-1/2&quot; Ph. SMS @ Astragal</td>
<td>SS</td>
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<td>72</td>
<td>1155</td>
<td>#8 X 1&quot; Ph. Quad. SMS @ Main frame</td>
<td>SS</td>
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<tr>
<td>73</td>
<td>72087K</td>
<td>Jamb Bumper</td>
<td>SS</td>
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<tr>
<td>74</td>
<td>78X8PPAX</td>
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<td>75</td>
<td>4365</td>
<td>4 Hole Bumper Stop</td>
<td>SS</td>
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<td>76</td>
<td>78X8PPAX</td>
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<td>77</td>
<td>8193</td>
<td>&quot;O&quot; Panel Bracket - 12&quot; long</td>
<td>SS</td>
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<td>78</td>
<td>8193</td>
<td>&quot;O&quot; Panel Bracket - 12&quot; long</td>
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<td>79</td>
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<td>&quot;O&quot; Panel Bracket - 12&quot; long</td>
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<td>80</td>
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<td>SS</td>
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</table>

**NOTES:**
1. Items #47, 56-59, 75-79 & 92-109 are not used and are not part of this approval.

**PRODUCT REVIEW**

- Approval Date: October 5, 2015
- Review Date: October 5, 2015
- **CERTIFIED OF AUTH.: #R096**

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**ALUMINUM SLIDING GLASS DOOR ANA (LM)**

<table>
<thead>
<tr>
<th>PARTS LIST</th>
<th>J ROSOWSKI</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
</tr>
<tr>
<td>04/05/17</td>
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<tr>
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<td>NTS</td>
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