



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

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-680" Aluminum Sliding Glass Doors w / wo Reinforcements – Non-Impact

**APPROVAL DOCUMENT:** Drawing No. **8100-12 Rev C**, titled "Alum Sliding Glass Doors-Non-Impact", sheets 1 through 20 of 20, prepared by manufacturer, dated 08-22-07 and last revised on 06/08/16, signed and sealed by 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:** None: Approved Hurricane Protection devices, complying w/ FBC, as applicable are required.

### Limitations:

1. Max eight (8) Panels configuration is allowed per tables 1 thru 4. The inside/outside corner units are limited to (4) panels each side (total 8-panels) per tables 1 thru 4.
2. See sheets 3, 4, 5, & 6 for Design Pressure (DP), glass type, sill type for positive DP limit, applicable reinforcement sheet 13 (tables 2 thru 4 ) and anchorage requirements. See sheet 8 for anchor clusters at tracks and 90° corners. See Pocket anchor details in sheet 10. See glass options and spacers in sheet 2.
3. Pockets are under separate approval. Pocket & Egress applicable 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 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 NOA #15-0609.11 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

MIAMI-DADE COUNTY  
APPROVED

NOA No. 16-0629.05  
Expiration Date: March 18, 2019  
Approval Date: July 28, 2016

Page 1

7/21/16

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections (submitted under files below).
2. Drawing No. **8100-12 Rev C**, titled "Alum Sliding Glass Doors-Non-Impact", sheets 1 through 20 of 20, prepared by manufacturer, dated 08-22-07 and last revised on 06/08/16, signed and sealed by Lynn Miller, P.E.

**B. TESTS**

1. REF 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/ 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 & 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 (see sheet 3)
  - 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, prepared by Architectural Testing, Inc., Test Report No. **ATI-8124.01-401-18**, dated 11/13/2008, signed and sealed by Joseph A. Reed, P.E.

Along with marked-up drawings and installation diagram of Aluminum SGD, prepared by Fenestration Testing Laboratory, Inc., Test Reports No(s) **FTL-5618**, dated 06/21/2008 and **FTL-5619**, both signed and sealed by Carlos S. Rionda, P. E. (submitted under files # **15-0609.11, #14-0123.09 / #11-1018.13 / # 08-1202.12**)

**C. CALCULATIONS (submitted under file #15-0106.07)**

1. Anchor verification calculations and structural analysis dated 05/29/15, complying with FBC-214 (5<sup>th</sup> Edition), prepared by PGT, signed and sealed by Lynn Miller, P.E.
2. Glazing complies with ASTM E-1300-02 & -04.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS (submitted under file #15-0106.07)**

1. Statement letter of conformance to FBC 2014(5<sup>th</sup> edition) and letter of no financial interest, prepared by PGT, dated 05/29/15, signed and sealed by Lynn Miller, P.E.
2. Letter of lab compliance, part of the above test reports.

**G. OTHER**

1. This NOA revises NOA # **15-0106.07**, expiring 03/18/2019.
2. Test proposal # 16-0152 dated 03/09/16 approved by RER and Test proposals No(s) **07-3108 and 07-2583** approved by BCCO.
3. AAMA's Technical Paper for SGD & Bi-fold doors referenced to FBC 2014 (5<sup>th</sup> edition).

  
Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No. 16-0629.05  
Expiration Date: March 18, 2019  
Approval Date: July 28, 2016

GENERAL NOTES: NON-IMPACT SLIDING GLASS DOOR

1. GLAZING TYPE OPTIONS: 74. 3/16" TEMPERED GLASS  
75. 1/4" TEMPERED GLASS  
76. 3/16" I.G. TEMPERED GLASS (7/8" NOM., 3/16" TEMPERED + 1/2" AIR SPACE + 3/16" TEMPERED)  
77. 1/4" I.G. TEMPERED GLASS (7/8" NOM., 1/4" TEMPERED + 3/8" AIR SPACE + 1/4" TEMPERED)
2. DESIGN PRESSURES: SEE TABLES 1 THROUGH 4 ON SHEETS 3 THROUGH 6  
A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300.  
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300.
3. ANCHORAGE: THE 33 1/3% 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 FLORIDA BUILDING CODE. FOR ANCHORAGE DETAILS SEE SHEETS 3 THROUGH 9.
4. MIAMI-DADE COUNTY APPROVED SHUTTERS ARE REQUIRED IN MIAMI-DADE COUNTY AND WHERE IMPACT RESISTANCE IS REQUIRED
5. INSTALLATION SCREWS, FRAME AND PANEL CORNERS SEALED WITH NARROW JOINT SEALANT.
6. REFERENCES: TEST REPORTS FTL-5618, ATI-81241.01-401-18, FTL-5619  
ELCO TEXTRON NOA'S, ANSI/AF&PA NDS FOR WOOD CONSTRUCTION AND ADM, ALUMINUM DESIGN MANUAL
7. THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
8. DOOR SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER FLORIDA BUILDING CODE, AS APPLICABLE.
9. CONFIGURATIONS: STRAIGHT DOORS - MAXIMUM 4 TRACKS BY 10 FT. (120") HIGH WITH A MAXIMUM OF EIGHT 5 FT. NOMINAL WIDE DOOR PANELS.  
INSIDE OR OUTSIDE CORNER DOORS - MAXIMUM OF 4 TRACKS BY 10 FT. (120") HIGH WITH A MAXIMUM OF FOUR 4 FT. PANELS EACH SIDE OF CORNER.  
SEE EXAMPLE CONFIGURATIONS BELOW AND PANEL CONFIGURATIONS SHEET 9.

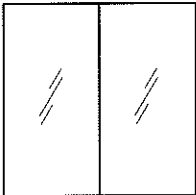
- STANDARDS USED:
- 2014 FLORIDA BUILDING CODE (FBC), 5TH EDITION
  - ASTM E1300-09
  - ANSI/AF&PA NDS-2012 FOR WOOD CONSTRUCTION
  - ALUMINUM DESIGN MANUAL, ADM-2010

NOA DRAWING INDEX

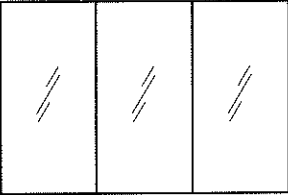
|                       | SHEET |
|-----------------------|-------|
| GENERAL NOTES.....    | 1     |
| GLAZING DETAILS.....  | 2     |
| ANCHORAGE.....        | 3-10  |
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| HORIZ. SECTIONS.....  | 14-16 |
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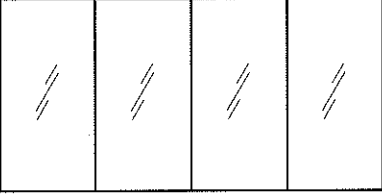
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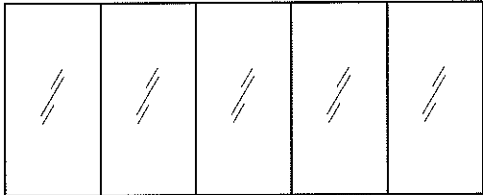
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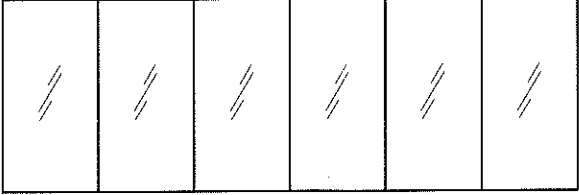
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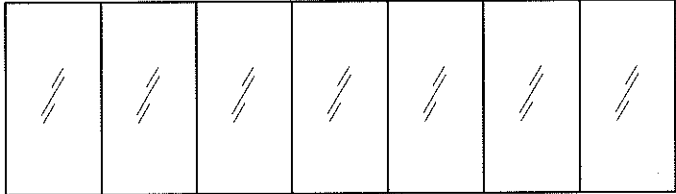
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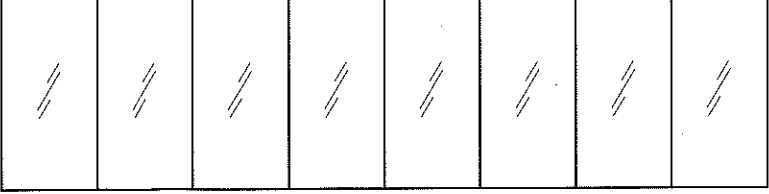
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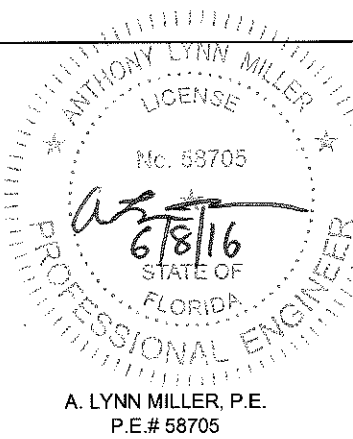


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PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 16-0629-05  
Expiration Date MAR 12, 2019  
By: [Signature]  
Miami Door Product Control



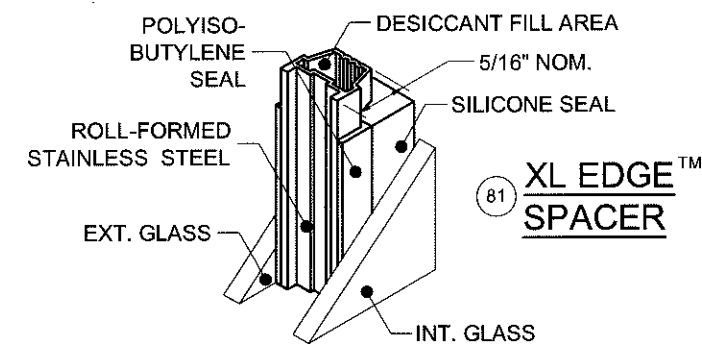
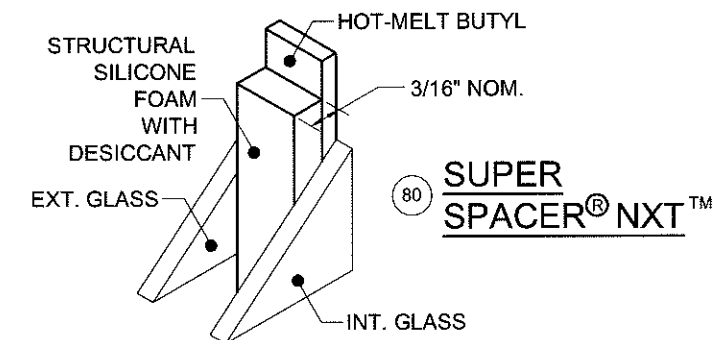
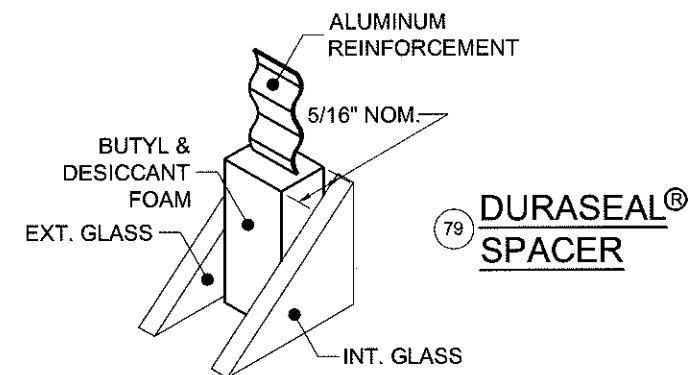
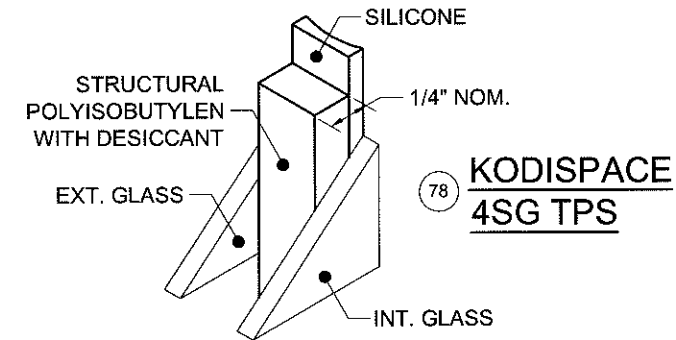
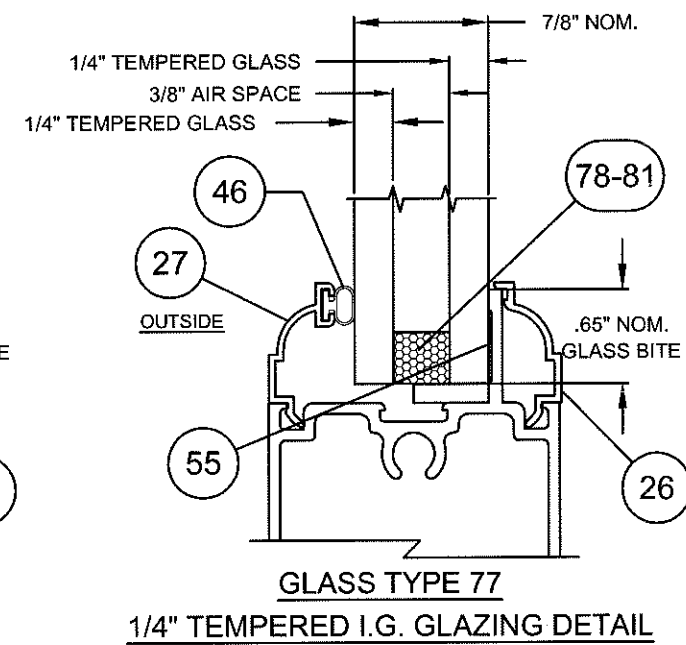
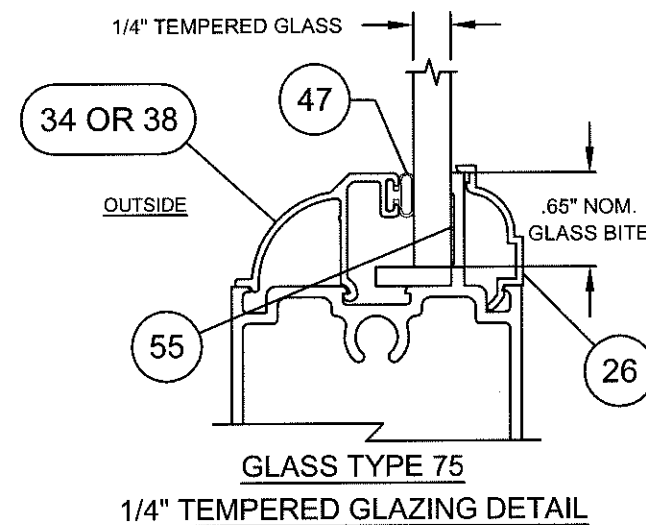
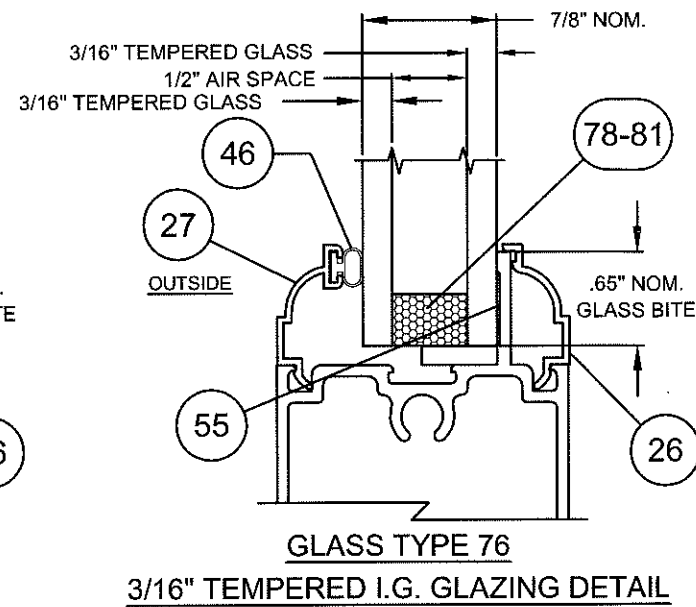
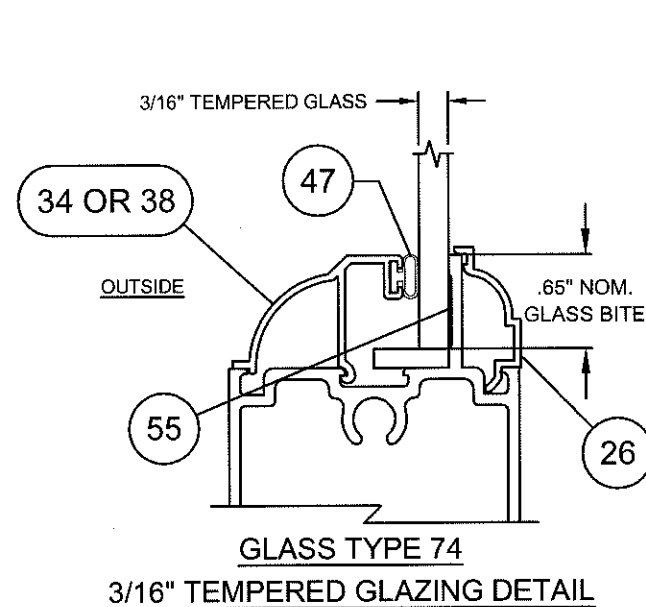
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| JR          | 05/05/16 | C           | ADDED SPACERS TO SHEET 2. |
| Revised By: | Date:    | Revisions:  |                           |
| Revised By: | Date:    | Revisions:  |                           |
| Drawn By:   | Date:    | Checked By: | Date:                     |
| F.K.        | 8/22/07  | J.J.        | XX/XX/07                  |

1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275  
  
P.O. BOX 1529  
NOKOMIS, FL 34274



|               |                                      |         |             |      |
|---------------|--------------------------------------|---------|-------------|------|
| Description:  | GENERAL NOTES AND INDEX              |         |             |      |
| Title:        | ALUM. SLIDING GLASS DOOR, NON-IMPACT |         |             |      |
| Series/Model: | Scale:                               | Sheet:  | Drawing No. | Rev. |
| SGD680        | NTS                                  | 1 of 20 | 8100-12     | C    |

A. LYNN MILLER, P.E.  
P.E.# 58705



| Part # | Description                                 | Material                     |
|--------|---------------------------------------------|------------------------------|
| 78     | Kommerling 4SG TPS Spacer System            | See this Sheet for Materials |
| 79     | Quanex Super Spacer nXT with Hot Melt Butyl |                              |
| 80     | Quanex Duraseal Spacer                      |                              |
| 81     | Cardinal XL Edge Spacer                     |                              |

REFERENCE TEST REPORTS: FTL-8717, 8968 & 8970

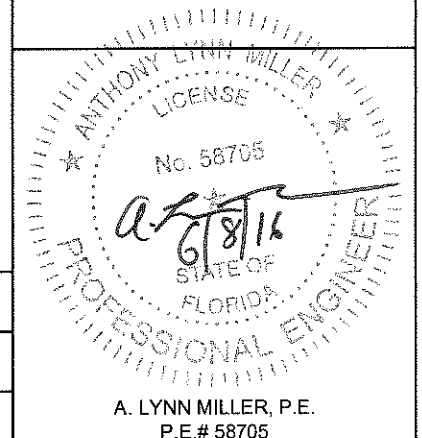
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| Revised By: JR | Date: 05/05/16 | Revisions: C     | ADDED SPACERS. |
| Revised By:    | Date:          | Revisions:       |                |
| Revised By:    | Date:          | Revisions:       |                |
| Drawn By: F.K. | Date: 8/22/07  | Checked By: J.J. | Date: XX/XX/07 |

1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274

**PGI**  
Visibly Better

|                                             |           |                |                     |        |
|---------------------------------------------|-----------|----------------|---------------------|--------|
| Description: GLAZING DETAILS                |           |                |                     |        |
| Title: ALUM. SLIDING GLASS DOOR, NON-IMPACT |           |                |                     |        |
| Series/Model: SGD680                        | Scale: 1x | Sheet: 2 of 20 | Drawing No. 8100-12 | Rev: C |

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 16-0629-05  
Expiration Date 3/18/19  
By: [Signature]  
Manufacturer/Product Control



DESIGN PRESSURE AND ANCHORAGE - NO REINFORCEMENT

5 1/4" SILL (SEE NOTES BELOW FOR OTHER SILLS)

3/16" Tempered, 1/4" Tempered, 3/16" Tempered I.G., 1/4" Tempered I.G.

GLASS TYPES: 37, 38, 39, 40

>HEAD & SILL (H&S) INTERLOCK & STRAIGHT & CORNER ASTRAGAL CLUSTER PLUS ANCHOR QTY. PER PANEL

>JAMB ANCHOR QTY. >P-HOOK ANCHOR QTY. (SEE DETAIL SHT. 9)

|                  |            | DOOR HEIGHT |         |           |             |         |           |             |         |           |               |         |           |
|------------------|------------|-------------|---------|-----------|-------------|---------|-----------|-------------|---------|-----------|---------------|---------|-----------|
|                  |            | 80" (68)    |         |           | 84" (70)    |         |           | 90" (76)    |         |           | 96" (80)      |         |           |
| NOM. PANEL WIDTH | FRAME SIDE | 1, CONC     | 2, CONC | 2,3, WOOD | 1, CONC     | 2, CONC | 2,3, WOOD | 1, CONC     | 2, CONC | 2,3, WOOD | 1, CONC       | 2, CONC | 2,3, WOOD |
| DESIGN PRESS.    |            | +120/-200   |         |           | +120/-200   |         |           | +120/-200   |         |           | +120/-197.1   |         |           |
| 24" (20)         | H&S        | C3+1        | C3+1    | C5+2      | C3+1        | C3+1    | C6+2      | C3+1        | C3+1    | C6+2      | C3+1          | C3+1    | C7+2      |
|                  | JAMB       | 12          | 12      | 10        | 13          | 13      | 10        | 14          | 14      | 11        | 15            | 15      | 12        |
|                  | P-HOOK     | 4           | 4       | 7         | 4           | 4       | 7         | 5           | 5       | 7         | 5             | 5       | 8         |
| DESIGN PRESS.    |            | +120/-200   |         |           | +120/-192   |         |           | +120/-176.6 |         |           | +120/-163.6   |         |           |
| 30" (26)         | H&S        | C4+1        | C4+1    | C7+2      | C4+1        | C4+1    | C7+2      | C4+1        | C4+1    | C7+2      | C4+1          | C4+1    | C7+2      |
|                  | JAMB       | 15          | 15      | 12        | 16          | 16      | 12        | 16          | 16      | 12        | 16            | 16      | 12        |
|                  | P-HOOK     | 5           | 5       | 8         | 5           | 5       | 8         | 5           | 5       | 8         | 5             | 5       | 8         |
| DESIGN PRESS.    |            | +120/-168   |         |           | +120/-160.2 |         |           | +120/-151.1 |         |           | +120/-141.5   |         |           |
| 36" (30)         | H&S        | C4+1        | C4+1    | C7+2      | C4+1        | C4+1    | C7+2      | C4+1        | C4+1    | C7+2      | C4+1          | C4+1    | C7+2      |
|                  | JAMB       | 15          | 15      | 12        | 16          | 16      | 12        | 16          | 16      | 12        | 16            | 16      | 12        |
|                  | P-HOOK     | 5           | 5       | 8         | 5           | 5       | 8         | 5           | 5       | 8         | 5             | 5       | 8         |
| DESIGN PRESS.    |            | +120/-150.2 |         |           | +120/-148.9 |         |           | +120/-132.8 |         |           | +115.2/-120.6 |         |           |
| 42" (36)         | H&S        | C3+2        | C3+2    | C6+3      | C3+2        | C3+2    | C7+3      | C3+2        | C3+2    | C6+3      | C4+1          | C4+1    | C7+2      |
|                  | JAMB       | 16          | 16      | 12        | 17          | 17      | 13        | 16          | 16      | 13        | 16            | 16      | 12        |
|                  | P-HOOK     | 5           | 5       | 8         | 5           | 5       | 9         | 5           | 5       | 8         | 5             | 5       | 8         |
| DESIGN PRESS.    |            | +105/-115   |         |           | +105/-115   |         |           | +105/-115   |         |           | +105/-115     |         |           |
| 48" (40)         | H&S        | C2+2        | C2+2    | C5+3      | C3+2        | C3+2    | C6+3      | C3+2        | C3+2    | C6+3      | C3+2          | C3+2    | C7+3      |
|                  | JAMB       | 14          | 14      | 11        | 15          | 15      | 12        | 16          | 16      | 12        | 17            | 17      | 13        |
|                  | P-HOOK     | 5           | 5       | 7         | 5           | 5       | 8         | 5           | 5       | 8         | 5             | 5       | 9         |

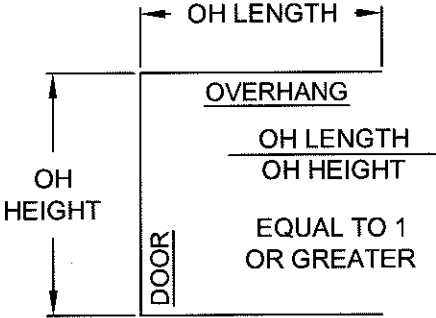
TABLE 1A.  
SILL HT. VS POS. DP

| SILL HEIGHT | POS. DESIGN PRESSURE |
|-------------|----------------------|
| 1 5/8"      | N/A                  |
| 2 3/4"      | +50.0 PSF            |
| 3 1/2"      | +73.3 PSF            |
| 4 1/2"      | +100.0 PSF           |
| 5 1/4"      | +120.0 PSF           |

SEE NOTES 1-3

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 16-0629-05  
Expiration Date MAR 18, 2019  
By Isheng I. Chavira  
PGT Product Control

- NOTES:
1. POSITIVE PRESSURES IN TABLES ARE BASED ON THE USE OF THE 5 1/4" SILL.
  2. WHEN USING THE 2 3/4" SILL, POSITIVE DP IS 50.0 PSF MAX., WITH THE 3 1/2" SILL, POSITIVE DP IS 73.3 PSF MAX AND WITH THE 4 1/2" SILL, POSITIVE DP IS 100.0 PSF MAX (NEGATIVE PRESSURES UNCHANGED). SEE TABLE 1A.
  3. 2 3/4", 3 1/2", 4 1/2" AND 5 1/4" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS THE 1 5/8" SILL IS NOT AND MUST ONLY BE USED WHERE WATER RESISTANCE IS NOT REQUIRED. POSITIVE DESIGN PRESSURES SHOWN IN TABLE 1 MAY BE USED WHEN THE DOOR IS PROTECTED BY AN OVERHANG COMPLYING WITH THE FLORIDA BUILDING CODE (SEE ADJACENT DIAGRAM); THIS CONDITION IS NOT RATED FOR WATER INFILTRATION.
  4. ANCHOR TYPES: 1. 1/4" ELCO ULTRACON (FORMERLY TAPCON) 2. 1/4" ELCO SS4 CRETE-FLEX 3. #12 STEEL SCREW (G5)
  5. SEE SHEETS 7 THROUGH 10 FOR ANCHORAGE SPACING AND EMBEDMENT INFORMATION.



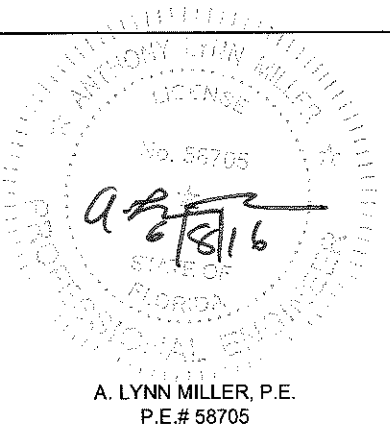
SEE NOTE 3

|           |         |             |       |
|-----------|---------|-------------|-------|
| Revsd By: | Date:   | Revisions:  |       |
| Revsd By: | Date:   | Revisions:  |       |
| Revsd By: | Date:   | Revisions:  |       |
| Drawn By: | Date:   | Checked By: | Date: |
| F.K.      | 8/22/07 |             |       |

1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275  
  
P.O. BOX 1529  
NOKOMIS, FL 34274



|                                                |               |                   |                         |
|------------------------------------------------|---------------|-------------------|-------------------------|
| Description:<br>DP AND ANCHORAGE TABLE 1       |               |                   |                         |
| Title:<br>ALUM. SLIDING GLASS DOOR, NON-IMPACT |               |                   |                         |
| Series/Model:<br>SGD680                        | Scale:<br>NTS | Sheet:<br>3 of 20 | Drawing No.:<br>8100-12 |
|                                                |               |                   | Rev.:<br>C              |



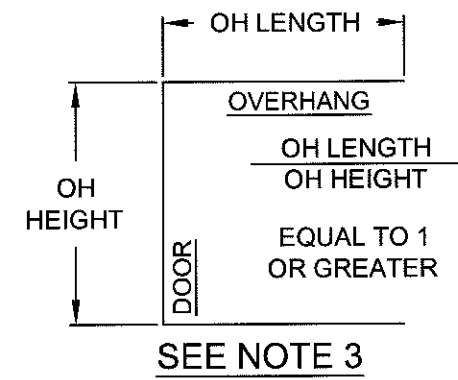
A. LYNN MILLER, P.E.  
P.E.# 58705

DESIGN PRESSURE AND ANCHORAGE - FULL REINFORCEMENT - 5 1/4" SILL (SEE NOTES BELOW FOR OTHER SILLS) TABLE 2.

3/16" Tempered >HEAD & SILL (H&S) INTERLOCK & STRAIGHT & CORNER ASTRAGAL CLUSTER PLUS ANCHOR QTY. PER PANEL  
GLASS TYPE: 37 >JAMB ANCHOR QTY. >P-HOOK ANCHOR QTY. (SEE DETAIL SHT. 9)

|                  |            | DOOR HEIGHT |         |           |             |         |           |             |         |           |               |         |           |                                                                                                                                                    |         |           |               |         |           |             |         |           |             |         |           |
|------------------|------------|-------------|---------|-----------|-------------|---------|-----------|-------------|---------|-----------|---------------|---------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|---------------|---------|-----------|-------------|---------|-----------|-------------|---------|-----------|
|                  |            | 80" (68)    |         |           | 84" (70)    |         |           | 90" (76)    |         |           | 96" (80)      |         |           | 102" (86)                                                                                                                                          |         |           | 108" (90)     |         |           | 114" (96)   |         |           | 120" (100)  |         |           |
| NOM. PANEL WIDTH | FRAME SIDE | 1, CONC     | 2, CONC | 2,3, WOOD | 1, CONC     | 2, CONC | 2,3, WOOD | 1, CONC     | 2, CONC | 2,3, WOOD | 1, CONC       | 2, CONC | 2,3, WOOD | 1, CONC                                                                                                                                            | 2, CONC | 2,3, WOOD | 1, CONC       | 2, CONC | 2,3, WOOD | 1, CONC     | 2, CONC | 2,3, WOOD | 1, CONC     | 2, CONC | 2,3, WOOD |
| DESIGN PRESS.    |            | +120/-200   |         |           | +120/-200   |         |           | +120/-200   |         |           | +120/-200     |         |           | +120/-200                                                                                                                                          |         |           | +120/-200     |         |           | +120/-200   |         |           | +120/-200   |         |           |
| 24" (20)         | H&S        | C4+1        | C4+1    | C5+2      | C4+1        | C4+1    | C6+2      | C4+1        | C4+1    | C6+2      | C4+1          | C4+1    | C7+2      | C4+1                                                                                                                                               | C4+1    | C7+2      | C4+1          | C4+1    | C8+2      | C4+1        | C4+1    | C8+2      | C5+1        | C5+1    | C9+2      |
|                  | JAMB       | 12          | 12      | 10        | 13          | 13      | 10        | 14          | 14      | 11        | 15            | 15      | 12        | 16                                                                                                                                                 | 16      | 13        | 17            | 17      | 13        | 18          | 18      | 14        | 19          | 19      | 15        |
|                  | P-HOOK     | 4           | 4       | 7         | 4           | 4       | 7         | 5           | 5       | 7         | 5             | 5       | 8         | 5                                                                                                                                                  | 5       | 8         | 5             | 5       | 9         | 6           | 6       | 9         | 6           | 6       | 10        |
| DESIGN PRESS.    |            | +120/-200   |         |           | +120/-200   |         |           | +120/-200   |         |           | +120/-187.4   |         |           | +120/-187.4                                                                                                                                        |         |           | +120/-187.4   |         |           | +120/-178.4 |         |           | +120/-168.2 |         |           |
| 30" (26)         | H&S        | C4+1        | C4+1    | C7+2      | C4+1        | C4+1    | C7+2      | C4+1        | C4+1    | C8+2      | C4+1          | C4+1    | C8+2      | C5+1                                                                                                                                               | C5+1    | C9+2      | C5+1          | C5+1    | C9+2      | C5+1        | C5+1    | C9+2      | C5+1        | C5+1    | C9+2      |
|                  | JAMB       | 15          | 15      | 12        | 16          | 16      | 12        | 17          | 17      | 13        | 17            | 17      | 13        | 19                                                                                                                                                 | 19      | 14        | 20            | 20      | 15        | 20          | 20      | 15        | 20          | 20      | 15        |
|                  | P-HOOK     | 5           | 5       | 8         | 5           | 5       | 8         | 5           | 5       | 9         | 5             | 5       | 9         | 6                                                                                                                                                  | 6       | 9         | 6             | 6       | 10        | 6           | 6       | 10        | 6           | 6       | 10        |
| DESIGN PRESS.    |            | +120/-168   |         |           | +120/-160.2 |         |           | +120/-151.1 |         |           | +120/-143.3   |         |           | +120/-135.2                                                                                                                                        |         |           | +120/-129.8   |         |           | +120/-126   |         |           | +120/-122.9 |         |           |
| 36" (30)         | H&S        | C4+1        | C4+1    | C7+2      | C4+1        | C4+1    | C7+2      | C4+1        | C4+1    | C7+2      | C4+1          | C4+1    | C7+2      | C4+1                                                                                                                                               | C4+1    | C7+2      | C4+1          | C4+1    | C7+2      | C4+1        | C4+1    | C8+2      | C4+1        | C4+1    | C8+2      |
|                  | JAMB       | 15          | 15      | 12        | 16          | 16      | 12        | 16          | 16      | 12        | 16            | 16      | 13        | 16                                                                                                                                                 | 16      | 13        | 17            | 17      | 13        | 17          | 17      | 13        | 18          | 18      | 14        |
|                  | P-HOOK     | 5           | 5       | 8         | 5           | 5       | 8         | 5           | 5       | 8         | 5             | 5       | 8         | 5                                                                                                                                                  | 5       | 8         | 5             | 5       | 9         | 6           | 6       | 9         | 6           | 6       | 9         |
| DESIGN PRESS.    |            | +120/-159.3 |         |           | +120/-148.9 |         |           | +120/-132.8 |         |           | +120/-120.6   |         |           | +110.1/-110.1                                                                                                                                      |         |           | +102.7/-102.7 |         |           | +97.9/-97.9 |         |           | +93.4/-93.4 |         |           |
| 42" (36)         | H&S        | C4+2        | C4+2    | C7+3      | C4+2        | C4+2    | C7+3      | C4+2        | C4+2    | C6+3      | C4+1          | C4+1    | C7+2      | C4+1                                                                                                                                               | C4+1    | C7+2      | C4+1          | C4+1    | C7+2      | C4+1        | C4+1    | C7+2      | C4+1        | C4+1    | C7+2      |
|                  | JAMB       | 17          | 17      | 13        | 17          | 17      | 13        | 16          | 16      | 13        | 16            | 16      | 12        | 16                                                                                                                                                 | 16      | 12        | 16            | 16      | 12        | 16          | 16      | 12        | 16          | 16      | 12        |
|                  | P-HOOK     | 5           | 5       | 9         | 5           | 5       | 9         | 5           | 5       | 8         | 5             | 5       | 8         | 5                                                                                                                                                  | 5       | 8         | 5             | 5       | 8         | 6           | 6       | 8         | 6           | 6       | 8         |
| DESIGN PRESS.    |            | +120/-156.7 |         |           | +120/-147.5 |         |           | +120/-131.9 |         |           | +118.9/-118.9 |         |           | +105/-107.4                                                                                                                                        |         |           | +98.5/-98.5   |         |           | +90.5/-90.5 |         |           | +83.1/-83.1 |         |           |
| 48" (40)         | H&S        | C4+2        | C4+2    | C7+4      | C4+2        | C4+2    | C8+3      | C4+2        | C4+2    | C8+3      | C4+2          | C4+2    | C7+3      | C4+2                                                                                                                                               | C4+2    | C7+3      | C4+1          | C4+1    | C8+2      | C4+1        | C4+1    | C7+2      | C4+1        | C4+1    | C7+2      |
|                  | JAMB       | 19          | 19      | 14        | 19          | 19      | 14        | 18          | 18      | 14        | 18            | 18      | 14        | 17                                                                                                                                                 | 17      | 13        | 17            | 17      | 13        | 17          | 17      | 13        | 16          | 16      | 13        |
|                  | P-HOOK     | 6           | 6       | 9         | 6           | 6       | 9         | 6           | 6       | 9         | 6             | 6       | 9         | 5                                                                                                                                                  | 5       | 9         | 5             | 5       | 9         | 6           | 6       | 9         | 6           | 6       | 8         |
| DESIGN PRESS.    |            | +120/-142   |         |           | +120/-142   |         |           | +120/-128.9 |         |           | +111.6/-118.9 |         |           | SEE EXAMPLE OX-XO CORNER ANCHORAGE PLAN AND<br>OXX STRAIGHT DOOR ANCHORAGE PLAN ON SHEET 7<br><br>PANELS OVER 48" WIDE NOT AVAILABLE OVER 96" HIGH |         |           |               |         |           |             |         |           |             |         |           |
| 54" (46)         | H&S        | C4+2        | C4+2    | C7+4      | C4+2        | C4+2    | C8+4      | C4+2        | C4+2    | C8+4      | C4+2          | C4+2    | C7+4      |                                                                                                                                                    |         |           |               |         |           |             |         |           |             |         |           |
|                  | JAMB       | 19          | 19      | 15        | 20          | 20      | 15        | 20          | 20      | 15        | 20            | 20      | 15        |                                                                                                                                                    |         |           |               |         |           |             |         |           |             |         |           |
|                  | P-HOOK     | 6           | 6       | 10        | 6           | 6       | 10        | 6           | 6       | 10        | 6             | 6       | 10        |                                                                                                                                                    |         |           |               |         |           |             |         |           |             |         |           |
| DESIGN PRESS.    |            | +105/-115   |         |           | +105/-115   |         |           | +105/-115   |         |           | +105/-113.8   |         |           |                                                                                                                                                    |         |           |               |         |           |             |         |           |             |         |           |
| 60" (50)         | H&S        | C4+2        | C4+2    | C6+4      | C4+2        | C4+2    | C7+4      | C4+2        | C4+2    | C8+4      | C4+2          | C4+2    | C8+4      |                                                                                                                                                    |         |           |               |         |           |             |         |           |             |         |           |
|                  | JAMB       | 17          | 17      | 13        | 18          | 18      | 14        | 20          | 20      | 15        | 21            | 21      | 16        |                                                                                                                                                    |         |           |               |         |           |             |         |           |             |         |           |
|                  | P-HOOK     | 5           | 5       | 9         | 6           | 6       | 9         | 6           | 6       | 10        | 6             | 6       | 11        |                                                                                                                                                    |         |           |               |         |           |             |         |           |             |         |           |

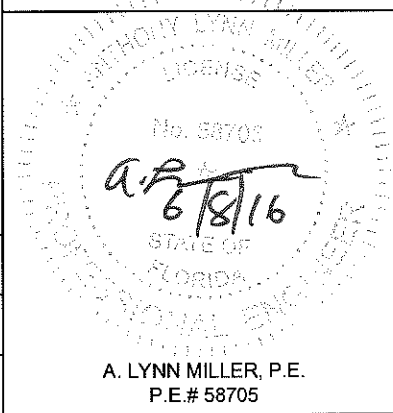
- NOTES:
1. POSITIVE PRESSURES IN TABLES ARE BASED ON THE USE OF THE 5 1/4" SILL.
  2. WHEN USING THE 2 3/4" SILL, POSITIVE DP IS 50.0 PSF MAX., WITH THE 3 1/2" SILL, POSITIVE DP IS 73.3 PSF MAX AND WITH THE 4 1/2" SILL, POSITIVE DP IS 100.0 PSF MAX (NEGATIVE PRESSURES UNCHANGED). SEE TABLE 2A.
  3. 2 3/4", 3 1/2", 4 1/2" AND 5 1/4" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS THE 1 5/8" SILL IS NOT AND MUST ONLY BE USED WHERE WATER RESISTANCE IS NOT REQUIRED. POSITIVE DESIGN PRESSURES SHOWN IN TABLE 2 MAY BE USED WHEN THE DOOR IS PROTECTED BY AN OVERHANG COMPLYING WITH THE FLORIDA BUILDING CODE (SEE ADJACENT DIAGRAM); THIS CONDITION IS NOT RATED FOR WATER INFILTRATION.
  4. ANCHOR TYPES: 1. 1/4" ELCO ULTRACON (FORMERLY TAPCON) 2. 1/4" ELCO SS4 CRETE-FLEX 3. #12 STEEL SCREW (G5)
  5. SEE SHEETS 7 THROUGH 10 FOR ANCHORAGE SPACING AND EMBEDMENT INFORMATION.



|           |       |             |       |                                                                                      |                                                                                                         |                                                       |        |         |             |      |  |  |
|-----------|-------|-------------|-------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------|--------|---------|-------------|------|--|--|
| Revsd By: | Date: | Revisions:  |       | 1070 TECHNOLOGY DRIVE<br>NOKOMIS, FL 34275<br><br>P.O. BOX 1529<br>NOKOMIS, FL 34274 | <br>Visibly Better | Description:<br><b>DP AND ANCHORAGE TABLE 2</b>       |        |         |             |      |  |  |
| Revsd By: | Date: | Revisions:  |       |                                                                                      |                                                                                                         | Title:<br><b>ALUM. SLIDING GLASS DOOR, NON-IMPACT</b> |        |         |             |      |  |  |
| Revsd By: | Date: | Revisions:  |       |                                                                                      |                                                                                                         | Series/Model:                                         | Scale: | Sheet:  | Drawing No. | Rev: |  |  |
| Drawn By: | Date: | Checked By: | Date: |                                                                                      |                                                                                                         | SGD680                                                | NTS    | 4 of 20 | 8100-12     | C    |  |  |

| TABLE 2A.<br>SILL HT. VS POS. DP |                      |
|----------------------------------|----------------------|
| SILL HEIGHT                      | POS. DESIGN PRESSURE |
| 1 5/8"                           | N/A                  |
| 2 3/4"                           | +50.0 PSF            |
| 3 1/2"                           | +73.3 PSF            |
| 4 1/2"                           | +100.0 PSF           |
| 5 1/4"                           | +120.0 PSF           |
| SEE NOTES 1-3                    |                      |

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 16-0629-05  
Expiration Date 3/18/19  
*(Signature)*  
Product Control



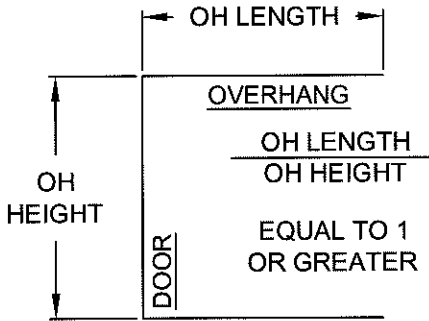
DESIGN PRESSURE AND ANCHORAGE - FULL REINFORCEMENT - 5 1/4" SILL (SEE NOTES BELOW FOR OTHER SILLS) TABLE 3.

1/4" Tempered >HEAD & SILL (H&S) INTERLOCK & STRAIGHT & CORNER ASTRAGAL CLUSTER PLUS ANCHOR QTY. PER PANEL  
GLASS TYPE: 38 >JAMB ANCHOR QTY. >P-HOOK ANCHOR QTY. (SEE DETAIL SHT. 9)

|                  |            | DOOR HEIGHT |         |           |             |         |           |             |         |           |               |         |           |                                                  |         |           |             |         |           |             |         |           |               |         |           |
|------------------|------------|-------------|---------|-----------|-------------|---------|-----------|-------------|---------|-----------|---------------|---------|-----------|--------------------------------------------------|---------|-----------|-------------|---------|-----------|-------------|---------|-----------|---------------|---------|-----------|
|                  |            | 80" (68)    |         |           | 84" (70)    |         |           | 90" (76)    |         |           | 96" (80)      |         |           | 102" (86)                                        |         |           | 108" (90)   |         |           | 114" (96)   |         |           | 120" (100)    |         |           |
| NOM. PANEL WIDTH | FRAME SIDE | 1, CONC     | 2, CONC | 2,3, WOOD | 1, CONC     | 2, CONC | 2,3, WOOD | 1, CONC     | 2, CONC | 2,3, WOOD | 1, CONC       | 2, CONC | 2,3, WOOD | 1, CONC                                          | 2, CONC | 2,3, WOOD | 1, CONC     | 2, CONC | 2,3, WOOD | 1, CONC     | 2, CONC | 2,3, WOOD | 1, CONC       | 2, CONC | 2,3, WOOD |
| DESIGN PRESS.    |            | +120/-200   |         |           | +120/-200   |         |           | +120/-200   |         |           | +120/-200     |         |           | +120/-200                                        |         |           | +120/-200   |         |           | +120/-200   |         |           | +120/-200     |         |           |
| 24" (20)         | H&S        | C4+1        | C4+1    | C5+2      | C4+1        | C4+1    | C6+2      | C4+1        | C4+1    | C6+2      | C4+1          | C4+1    | C7+2      | C4+1                                             | C4+1    | C7+2      | C4+1        | C4+1    | C8+2      | C4+1        | C4+1    | C8+2      | C5+1          | C5+1    | C9+2      |
|                  | JAMB       | 12          | 12      | 10        | 13          | 13      | 10        | 14          | 14      | 11        | 15            | 15      | 12        | 16                                               | 16      | 13        | 17          | 17      | 13        | 18          | 18      | 14        | 19            | 19      | 15        |
|                  | P-HOOK     | 4           | 4       | 7         | 4           | 4       | 7         | 5           | 5       | 7         | 5             | 5       | 8         | 5                                                | 5       | 8         | 5           | 5       | 9         | 6           | 6       | 9         | 6             | 6       | 10        |
| DESIGN PRESS.    |            | +120/-200   |         |           | +120/-200   |         |           | +120/-200   |         |           | +120/-187.4   |         |           | +120/-187.4                                      |         |           | +120/-187.4 |         |           | +120/-178.4 |         |           | +120/-168.2   |         |           |
| 30" (26)         | H&S        | C4+1        | C4+1    | C7+2      | C4+1        | C4+1    | C7+2      | C4+1        | C4+1    | C8+2      | C4+1          | C4+1    | C8+2      | C5+1                                             | C5+1    | C9+2      | C5+1        | C5+1    | C9+2      | C5+1        | C5+1    | C9+2      | C5+1          | C5+1    | C9+2      |
|                  | JAMB       | 15          | 15      | 12        | 16          | 16      | 12        | 17          | 17      | 13        | 17            | 17      | 13        | 19                                               | 19      | 14        | 20          | 20      | 15        | 20          | 20      | 15        | 20            | 20      | 15        |
|                  | P-HOOK     | 5           | 5       | 8         | 5           | 5       | 8         | 5           | 5       | 9         | 5             | 5       | 9         | 6                                                | 6       | 9         | 6           | 6       | 10        | 6           | 6       | 10        | 6             | 6       | 10        |
| DESIGN PRESS.    |            | +120/-200   |         |           | +120/-191.7 |         |           | +120/-175.7 |         |           | +120/-162.2   |         |           | +120/-162.2                                      |         |           | +120/-162.2 |         |           | +120/-153.3 |         |           | +120/-144.3   |         |           |
| 36" (30)         | H&S        | C5+1        | C5+1    | C9+2      | C5+1        | C5+1    | C9+2      | C4+1        | C4+1    | C9+2      | C4+1          | C4+1    | C8+2      | C5+1                                             | C5+1    | C9+2      | C5+1        | C5+1    | C10+2     | C5+1        | C5+1    | C10+2     | C5+1          | C5+1    | C10+2     |
|                  | JAMB       | 18          | 18      | 14        | 19          | 19      | 14        | 18          | 18      | 14        | 18            | 18      | 15        | 19                                               | 19      | 15        | 21          | 21      | 16        | 21          | 21      | 16        | 21            | 21      | 16        |
|                  | P-HOOK     | 6           | 6       | 9         | 6           | 6       | 9         | 6           | 6       | 9         | 6             | 6       | 9         | 6                                                | 6       | 10        | 6           | 6       | 10        | 6           | 6       | 10        | 6             | 6       | 10        |
| DESIGN PRESS.    |            | +120/-183.8 |         |           | +120/-172.1 |         |           | +120/-157.1 |         |           | +120/-144.6   |         |           | +120/-144.6                                      |         |           | +120/-141.6 |         |           | +120/-135.6 |         |           | +116.4/-127.4 |         |           |
| 42" (36)         | H&S        | C4+2        | C4+2    | C8+3      | C4+2        | C4+2    | C8+3      | C4+2        | C4+2    | C8+3      | C5+1          | C5+1    | C9+2      | C5+1                                             | C5+1    | C9+2      | C5+1        | C5+1    | C10+2     | C5+1        | C5+1    | C10+2     | C5+1          | C5+1    | C10+2     |
|                  | JAMB       | 19          | 19      | 15        | 19          | 19      | 15        | 19          | 19      | 16        | 19            | 19      | 14        | 20                                               | 20      | 15        | 21          | 21      | 16        | 21          | 21      | 16        | 21            | 21      | 16        |
|                  | P-HOOK     | 6           | 6       | 10        | 6           | 6       | 10        | 6           | 6       | 10        | 6             | 6       | 10        | 6                                                | 6       | 10        | 6           | 6       | 11        | 6           | 6       | 11        | 6             | 6       | 11        |
| DESIGN PRESS.    |            | +120/-169.4 |         |           | +120/-158.1 |         |           | +120/-143.8 |         |           | +120/-131.8   |         |           | +105/-115                                        |         |           | +105/-115   |         |           | +105/-113.5 |         |           | +105/-107.1   |         |           |
| 48" (40)         | H&S        | C4+2        | C4+2    | C8+4      | C4+2        | C4+2    | C9+3      | C5+2        | C5+2    | C8+3      | C4+2          | C4+2    | C8+3      | C4+2                                             | C4+2    | C7+3      | C5+1        | C5+1    | C9+2      | C5+1        | C5+1    | C9+2      | C5+1          | C5+1    | C9+2      |
|                  | JAMB       | 20          | 20      | 15        | 20          | 20      | 15        | 20          | 20      | 15        | 20            | 20      | 15        | 18                                               | 18      | 14        | 20          | 20      | 15        | 20          | 20      | 16        | 21            | 21      | 16        |
|                  | P-HOOK     | 6           | 6       | 10        | 6           | 6       | 10        | 6           | 6       | 10        | 6             | 6       | 10        | 6                                                | 6       | 9         | 6           | 6       | 10        | 6           | 6       | 10        | 6             | 6       | 10        |
| DESIGN PRESS.    |            | +120/-142   |         |           | +120/-142   |         |           | +120/-133.9 |         |           | +111.6/-122.2 |         |           | PANELS OVER 48" WIDE NOT AVAILABLE OVER 96" HIGH |         |           |             |         |           |             |         |           |               |         |           |
| 54" (46)         | H&S        | C4+2        | C4+2    | C7+4      | C4+2        | C4+2    | C8+4      | C4+2        | C4+2    | C8+4      | C4+2          | C4+2    | C8+4      |                                                  |         |           |             |         |           |             |         |           |               |         |           |
|                  | JAMB       | 19          | 19      | 15        | 20          | 20      | 15        | 21          | 21      | 16        | 20            | 20      | 16        |                                                  |         |           |             |         |           |             |         |           |               |         |           |
|                  | P-HOOK     | 6           | 6       | 10        | 6           | 6       | 10        | 6           | 6       | 10        | 6             | 6       | 10        |                                                  |         |           |             |         |           |             |         |           |               |         |           |
| DESIGN PRESS.    |            | +105/-115   |         |           | +105/-115   |         |           | +105/-115   |         |           | +105/-115     |         |           |                                                  |         |           |             |         |           |             |         |           |               |         |           |
| 60" (50)         | H&S        | C4+2        | C4+2    | C6+4      | C4+2        | C4+2    | C7+4      | C4+2        | C4+2    | C8+4      | C4+2          | C4+2    | C8+4      |                                                  |         |           |             |         |           |             |         |           |               |         |           |
|                  | JAMB       | 17          | 17      | 13        | 18          | 18      | 14        | 20          | 20      | 15        | 21            | 21      | 16        |                                                  |         |           |             |         |           |             |         |           |               |         |           |
|                  | P-HOOK     | 5           | 5       | 9         | 6           | 6       | 9         | 6           | 6       | 10        | 6             | 6       | 11        |                                                  |         |           |             |         |           |             |         |           |               |         |           |

NOTES:

1. POSITIVE PRESSURES IN TABLES ARE BASED ON THE USE OF THE 5 1/4" SILL.
2. WHEN USING THE 2 3/4" SILL, POSITIVE DP IS 50.0 PSF MAX., WITH THE 3 1/2" SILL, POSITIVE DP IS 73.3 PSF MAX AND WITH THE 4 1/2" SILL, POSITIVE DP IS 100.0 PSF MAX (NEGATIVE PRESSURES UNCHANGED). SEE TABLE 3A.
3. 2 3/4", 3 1/2", 4 1/2" AND 5 1/4" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS THE 1 5/8" SILL IS NOT AND MUST ONLY BE USED WHERE WATER RESISTANCE IS NOT REQUIRED. POSITIVE DESIGN PRESSURES SHOWN IN TABLE 3 MAY BE USED WHEN THE DOOR IS PROTECTED BY AN OVERHANG COMPLYING WITH THE FLORIDA BUILDING CODE (SEE ADJACENT DIAGRAM); THIS CONDITION IS NOT RATED FOR WATER INFILTRATION.
4. ANCHOR TYPES: 1. 1/4" ELCO ULTRACON (FORMERLY TAPCON) 2. 1/4" ELCO SS4 CRETE-FLEX 3. #12 STEEL SCREW (G5)
5. SEE SHEETS 7 THROUGH 10 FOR ANCHORAGE SPACING AND EMBEDMENT INFORMATION.



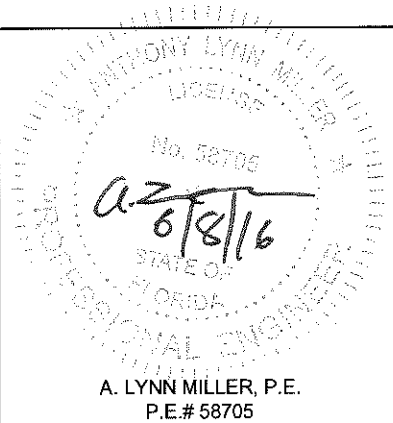
SEE NOTE 3

TABLE 3A.  
SILL HT. VS POS. DP

| SILL HEIGHT | POS. DESIGN PRESSURE |
|-------------|----------------------|
| 1 5/8"      | N/A                  |
| 2 3/4"      | +50.0 PSF            |
| 3 1/2"      | +73.3 PSF            |
| 4 1/2"      | +100.0 PSF           |
| 5 1/4"      | +120.0 PSF           |

SEE NOTES 1-3

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 16-0629-05  
Expiration Date 3/18/19  
*Anthony Lynn Miller*  
Product Control



|             |         |             |       |
|-------------|---------|-------------|-------|
| Revised By: | Date:   | Revisions:  |       |
| Revised By: | Date:   | Revisions:  |       |
| Revised By: | Date:   | Revisions:  |       |
| Drawn By:   | Date:   | Checked By: | Date: |
| F.K.        | 8/22/07 |             |       |

1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275  
  
P.O. BOX 1529  
NOKOMIS, FL 34274



|                                                |               |                   |                        |
|------------------------------------------------|---------------|-------------------|------------------------|
| Description:<br>DP AND ANCHORAGE TABLE 3       |               |                   |                        |
| Title:<br>ALUM. SLIDING GLASS DOOR, NON-IMPACT |               |                   |                        |
| Series/Model:<br>SGD680                        | Scale:<br>NTS | Sheet:<br>5 of 20 | Drawing No.<br>8100-12 |
|                                                |               |                   | Rev:<br>C              |

A. LYNN MILLER, P.E.  
P.E.# 58705



**DESIGN PRESSURE AND ANCHORAGE - FULL REINFORCEMENT - 5 1/4" SILL (SEE NOTES BELOW FOR OTHER SILLS)**

**TABLE 4.**

3/16" Tempered I.G. & 1/4" Tempered I.G.

>HEAD & SILL (H&S) INTERLOCK & STRAIGHT & CORNER ASTRAGAL CLUSTER PLUS ANCHOR QTY. PER PANEL

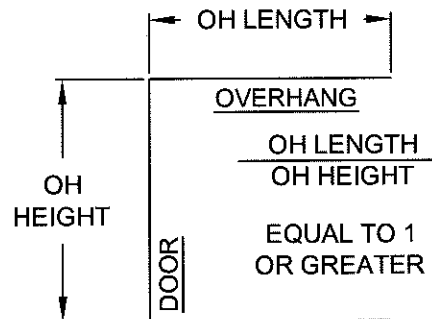
GLASS TYPES: 39, 40

>JAMB ANCHOR QTY. >P-HOOK ANCHOR QTY. (SEE DETAIL SHT. 9)

|                  |            | DOOR HEIGHT |         |           |             |         |           |             |         |           |               |         |           |                                                  |         |           |             |         |           |             |         |           |               |         |           |
|------------------|------------|-------------|---------|-----------|-------------|---------|-----------|-------------|---------|-----------|---------------|---------|-----------|--------------------------------------------------|---------|-----------|-------------|---------|-----------|-------------|---------|-----------|---------------|---------|-----------|
|                  |            | 80" (68)    |         |           | 84" (70)    |         |           | 90" (76)    |         |           | 96" (80)      |         |           | 102" (86)                                        |         |           | 108" (90)   |         |           | 114" (96)   |         |           | 120" (100)    |         |           |
| NOM. PANEL WIDTH | FRAME SIDE | 1, CONC     | 2, CONC | 2,3, WOOD | 1, CONC     | 2, CONC | 2,3, WOOD | 1, CONC     | 2, CONC | 2,3, WOOD | 1, CONC       | 2, CONC | 2,3, WOOD | 1, CONC                                          | 2, CONC | 2,3, WOOD | 1, CONC     | 2, CONC | 2,3, WOOD | 1, CONC     | 2, CONC | 2,3, WOOD | 1, CONC       | 2, CONC | 2,3, WOOD |
| DESIGN PRESS.    |            | +120/-200   |         |           | +120/-200   |         |           | +120/-200   |         |           | +120/-200     |         |           | +120/-200                                        |         |           | +120/-200   |         |           | +120/-200   |         |           | +120/-200     |         |           |
| 24" (20)         | H&S        | C4+1        | C4+1    | C5+2      | C4+1        | C4+1    | C6+2      | C4+1        | C4+1    | C6+2      | C4+1          | C4+1    | C7+2      | C4+1                                             | C4+1    | C7+2      | C4+1        | C4+1    | C8+2      | C4+1        | C4+1    | C8+2      | C5+1          | C5+1    | C9+2      |
|                  | JAMB       | 12          | 12      | 10        | 13          | 13      | 10        | 14          | 14      | 11        | 15            | 15      | 12        | 16                                               | 16      | 13        | 17          | 17      | 13        | 18          | 18      | 14        | 19            | 19      | 15        |
|                  | P-HOOK     | 4           | 4       | 7         | 4           | 4       | 7         | 5           | 5       | 7         | 5             | 5       | 8         | 5                                                | 5       | 8         | 5           | 5       | 9         | 6           | 6       | 9         | 6             | 6       | 10        |
| DESIGN PRESS.    |            | +120/-200   |         |           | +120/-200   |         |           | +120/-200   |         |           | +120/-187.4   |         |           | +120/-187.4                                      |         |           | +120/-187.4 |         |           | +120/-178.4 |         |           | +120/-168.2   |         |           |
| 30" (26)         | H&S        | C4+1        | C4+1    | C7+2      | C4+1        | C4+1    | C7+2      | C4+1        | C4+1    | C8+2      | C4+1          | C4+1    | C8+2      | C5+1                                             | C5+1    | C9+2      | C5+1        | C5+1    | C9+2      | C5+1        | C5+1    | C9+2      | C5+1          | C5+1    | C9+2      |
|                  | JAMB       | 15          | 15      | 12        | 16          | 16      | 12        | 17          | 17      | 13        | 17            | 17      | 13        | 19                                               | 19      | 14        | 20          | 20      | 15        | 20          | 20      | 15        | 20            | 20      | 15        |
|                  | P-HOOK     | 5           | 5       | 8         | 5           | 5       | 8         | 5           | 5       | 9         | 5             | 5       | 9         | 6                                                | 6       | 9         | 6           | 6       | 10        | 6           | 6       | 10        | 6             | 6       | 10        |
| DESIGN PRESS.    |            | +120/-200   |         |           | +120/-191.7 |         |           | +120/-175.7 |         |           | +120/-162.2   |         |           | +120/-162.2                                      |         |           | +120/-162.2 |         |           | +120/-153.3 |         |           | +120/-144.3   |         |           |
| 36" (30)         | H&S        | C4+2        | C4+2    | C8+3      | C4+2        | C4+2    | C8+3      | C4+1        | C4+1    | C8+3      | C4+1          | C4+1    | C8+2      | C5+1                                             | C5+1    | C9+2      | C5+1        | C5+1    | C10+2     | C5+1        | C5+1    | C10+2     | C5+1          | C5+1    | C10+2     |
|                  | JAMB       | 18          | 18      | 14        | 18          | 18      | 14        | 19          | 19      | 14        | 18            | 18      | 14        | 19                                               | 19      | 15        | 21          | 21      | 16        | 21          | 21      | 16        | 21            | 21      | 16        |
|                  | P-HOOK     | 6           | 6       | 9         | 6           | 6       | 9         | 6           | 6       | 9         | 6             | 6       | 10        | 6                                                | 6       | 10        | 6           | 6       | 10        | 6           | 6       | 10        | 6             | 6       | 10        |
| DESIGN PRESS.    |            | +120/-183.8 |         |           | +120/-172.1 |         |           | +120/-157.1 |         |           | +120/-144.6   |         |           | +120/-144.6                                      |         |           | +120/-144.6 |         |           | +120/-135.7 |         |           | +116.4/-127.4 |         |           |
| 42" (36)         | H&S        | C4+2        | C4+2    | C8+3      | C4+2        | C4+2    | C8+3      | C4+2        | C4+2    | C8+3      | C4+2          | C4+2    | C8+3      | C4+2                                             | C4+2    | C8+3      | C4+2        | C4+2    | C9+3      | C4+2        | C4+2    | C9+3      | C5+1          | C5+1    | C10+2     |
|                  | JAMB       | 19          | 19      | 15        | 19          | 19      | 15        | 19          | 19      | 15        | 20            | 20      | 14        | 20                                               | 20      | 15        | 21          | 21      | 16        | 21          | 21      | 16        | 21            | 21      | 16        |
|                  | P-HOOK     | 6           | 6       | 10        | 6           | 6       | 10        | 6           | 6       | 10        | 6             | 6       | 10        | 6                                                | 6       | 10        | 6           | 6       | 11        | 6           | 6       | 11        | 6             | 6       | 11        |
| DESIGN PRESS.    |            | +120/-169.4 |         |           | +120/-158.1 |         |           | +120/-143.8 |         |           | +120/-131.8   |         |           | +105/-115                                        |         |           | +105/-115   |         |           | +105/-115   |         |           | +105/-115     |         |           |
| 48" (40)         | H&S        | C4+2        | C4+2    | C8+4      | C4+2        | C4+2    | C8+4      | C4+2        | C4+2    | C9+3      | C4+2          | C4+2    | C8+3      | C4+2                                             | C4+2    | C7+3      | C4+2        | C4+2    | C8+3      | C4+2        | C4+2    | C9+3      | C4+2          | C4+2    | C9+3      |
|                  | JAMB       | 20          | 20      | 15        | 20          | 20      | 15        | 20          | 20      | 15        | 20            | 20      | 15        | 18                                               | 18      | 14        | 20          | 20      | 15        | 21          | 21      | 16        | 22            | 22      | 17        |
|                  | P-HOOK     | 6           | 6       | 10        | 6           | 6       | 10        | 6           | 6       | 10        | 6             | 6       | 10        | 6                                                | 6       | 9         | 6           | 6       | 10        | 6           | 6       | 10        | 7             | 7       | 11        |
| DESIGN PRESS.    |            | +120/-142   |         |           | +120/-142   |         |           | +120/-133.9 |         |           | +111.6/-122.2 |         |           | PANELS OVER 48" WIDE NOT AVAILABLE OVER 96" HIGH |         |           |             |         |           |             |         |           |               |         |           |
| 54" (46)         | H&S        | C4+2        | C4+2    | C7+4      | C4+2        | C4+2    | C8+4      | C4+2        | C4+2    | C8+4      | C4+2          | C4+2    | C8+4      |                                                  |         |           |             |         |           |             |         |           |               |         |           |
|                  | JAMB       | 19          | 19      | 15        | 20          | 20      | 15        | 21          | 21      | 16        | 20            | 20      | 16        |                                                  |         |           |             |         |           |             |         |           |               |         |           |
|                  | P-HOOK     | 6           | 6       | 10        | 6           | 6       | 10        | 6           | 6       | 10        | 6             | 6       | 10        |                                                  |         |           |             |         |           |             |         |           |               |         |           |
| DESIGN PRESS.    |            | +105/-115   |         |           | +105/-115   |         |           | +105/-115   |         |           | +105/-115     |         |           |                                                  |         |           |             |         |           |             |         |           |               |         |           |
| 60" (50)         | H&S        | C4+2        | C4+2    | C6+4      | C4+2        | C4+2    | C7+4      | C4+2        | C4+2    | C8+4      | C4+2          | C4+2    | C8+4      |                                                  |         |           |             |         |           |             |         |           |               |         |           |
|                  | JAMB       | 17          | 17      | 13        | 18          | 18      | 14        | 20          | 20      | 15        | 21            | 21      | 16        |                                                  |         |           |             |         |           |             |         |           |               |         |           |
|                  | P-HOOK     | 5           | 5       | 9         | 6           | 6       | 9         | 6           | 6       | 10        | 6             | 6       | 11        |                                                  |         |           |             |         |           |             |         |           |               |         |           |

**NOTES:**

1. POSITIVE PRESSURES IN TABLES ARE BASED ON THE USE OF THE 5 1/4" SILL.
2. WHEN USING THE 2 3/4" SILL, POSITIVE DP IS 50.0 PSF MAX., WITH THE 3 1/2" SILL, POSITIVE DP IS 73.3 PSF MAX AND WITH THE 4 1/2" SILL, POSITIVE DP IS 100.0 PSF MAX (NEGATIVE PRESSURES UNCHANGED). SEE TABLE 4A.
3. 2 3/4", 3 1/2", 4 1/2" AND 5 1/4" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS THE 1 5/8" SILL IS NOT AND MUST ONLY BE USED WHERE WATER RESISTANCE IS NOT REQUIRED. POSITIVE DESIGN PRESSURES SHOWN IN TABLE 4 MAY BE USED WHEN THE DOOR IS PROTECTED BY AN OVERHANG COMPLYING WITH THE FLORIDA BUILDING CODE (SEE ADJACENT DIAGRAM); THIS CONDITION IS NOT RATED FOR WATER INFILTRATION.
4. ANCHOR TYPES: 1. 1/4" ELCO ULTRACON (FORMERLY TAPCON) 2. 1/4" ELCO SS4 CRETE-FLEX 3. #12 STEEL SCREW (G5)
5. SEE SHEETS 7 THROUGH 10 FOR ANCHORAGE SPACING AND EMBEDMENT INFORMATION.



SEE NOTE 3

**TABLE 4A.  
SILL HT. VS POS. DP**

| SILL HEIGHT   | POS. DESIGN PRESSURE |
|---------------|----------------------|
| 1 5/8"        | N/A                  |
| 2 3/4"        | +50.0 PSF            |
| 3 1/2"        | +73.3 PSF            |
| 4 1/2"        | +100.0 PSF           |
| 5 1/4"        | +120.0 PSF           |
| SEE NOTES 1-3 |                      |

PRODUCT REVISED  
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Acceptance No. 16-0629-05  
Expiration Date 3/18/19  
By: [Signature]  
Mr. [Name] Product Control

|             |         |             |       |
|-------------|---------|-------------|-------|
| Revised By: | Date:   | Revisions:  |       |
| Revised By: | Date:   | Revisions:  |       |
| Revised By: | Date:   | Revisions:  |       |
| Drawn By:   | Date:   | Checked By: | Date: |
| F.K.        | 8/22/07 |             |       |

1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274



|                                                       |               |                   |                        |
|-------------------------------------------------------|---------------|-------------------|------------------------|
| Description:<br><b>DP AND ANCHORAGE, TABLE 4</b>      |               |                   |                        |
| Title:<br><b>ALUM. SLIDING GLASS DOOR, NON-IMPACT</b> |               |                   |                        |
| Series/Model:<br>SGD680                               | Scale:<br>NTS | Sheet:<br>6 of 20 | Drawing No.<br>8100-12 |
|                                                       |               |                   | Rev:<br>C              |

A. LYNN MILLER, P.E.  
P.E.# 58705

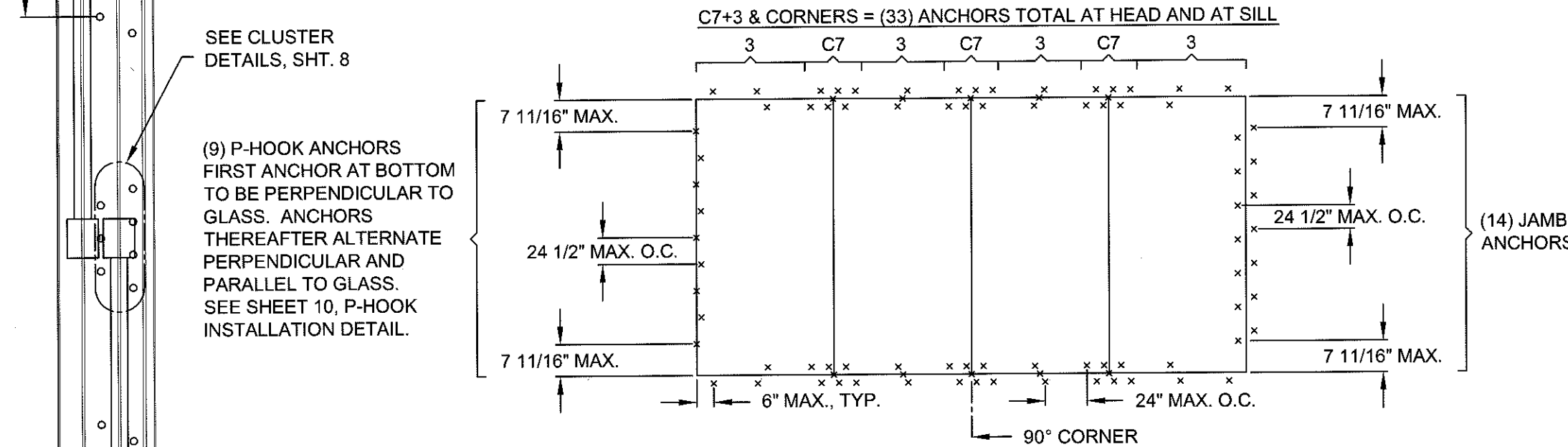
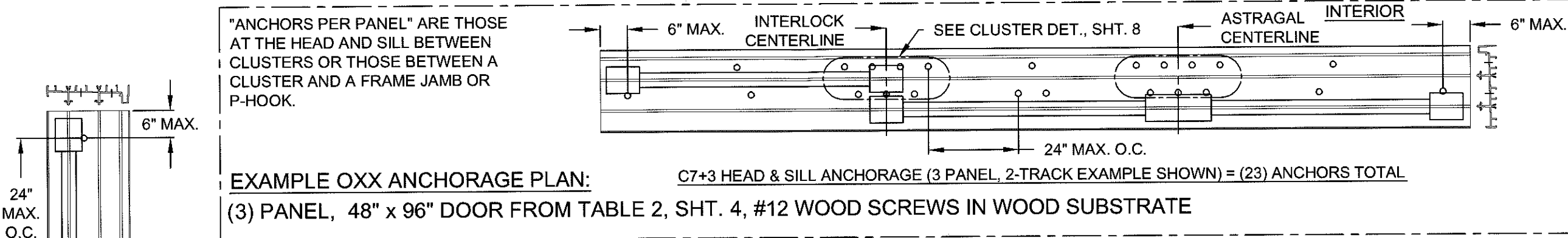


**HVHZ ANCHORAGE REQUIREMENTS NOTES:**

1. APPROVED ANCHOR TYPES: 1) 1/4" ELCO ULTRACON (FORMERLY TAPCON) 2) 1/4" ELCO SS4 CRETE-FLEX 3) #12 STEEL SCREW (G5)  
2. ANCHOR LOCATION SPACING FOR ANCHOR QUANTITIES SPECIFIED IN TABLES 1-4, SHTS. 3-6:

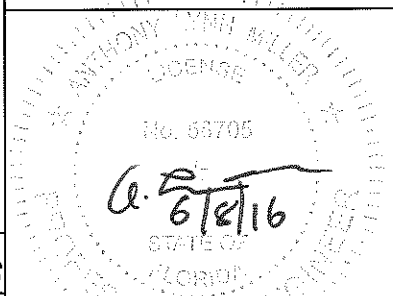
HEAD & SILL..... 6" MAX. FROM FRAME CORNERS. USE SPECIFIED CLUSTER FROM APPROPRIATE TABLES, SHTS. 3-6 AT EACH INTERLOCK AND STRAIGHT AND CORNER ASTRAGAL LOCATION, PLUS SPECIFIED QUANTITY OF ADDITIONAL ANCHORS PER PANEL (THE 6" FROM CORNER ANCHORS CAN BE INCLUDED). ADDITIONAL ANCHORS 24" MAX. ON CENTER. SEE EXAMPLE ANCHORAGE PLANS BELOW AND EXAMPLE CLUSTERS ON SHT. 8.

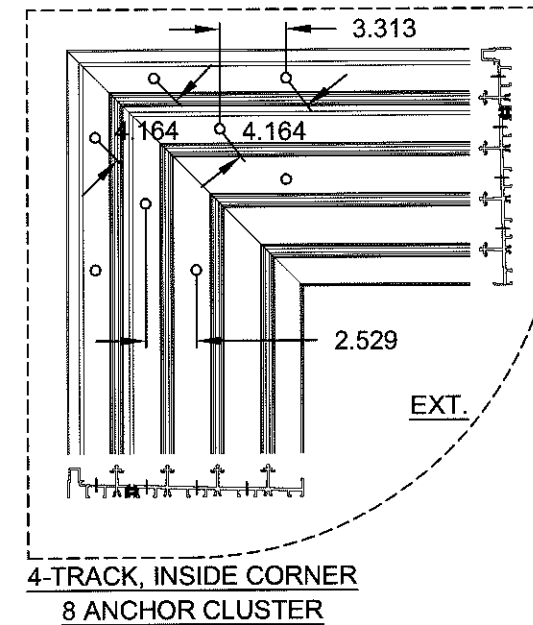
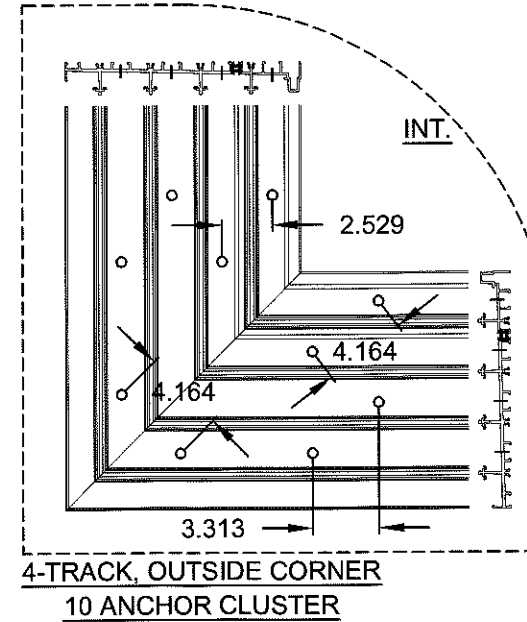
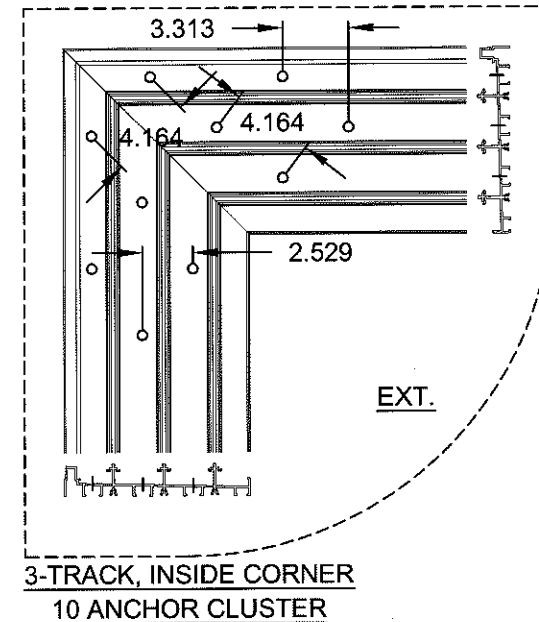
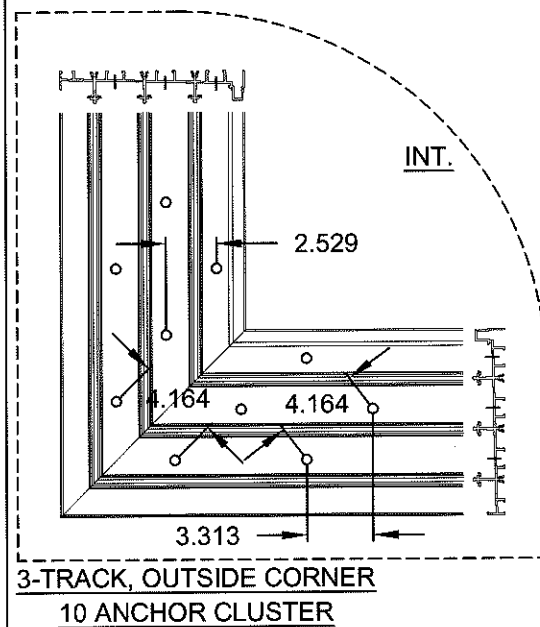
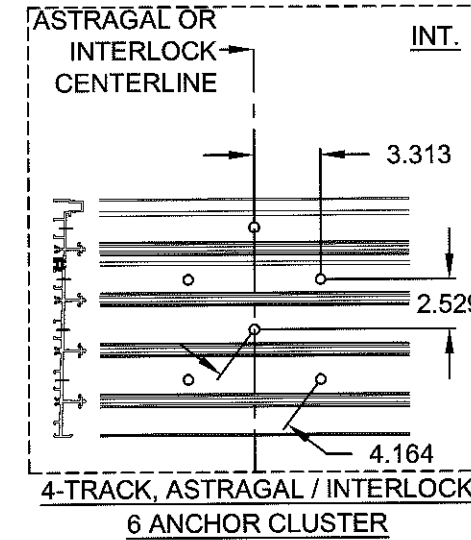
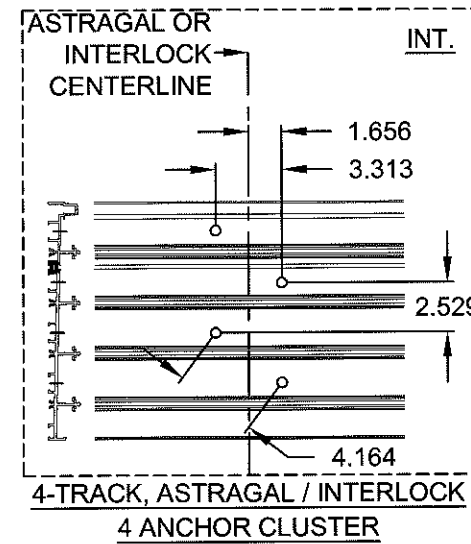
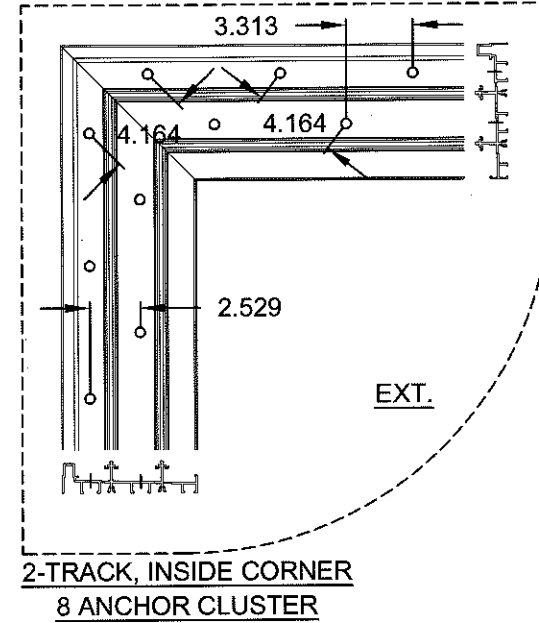
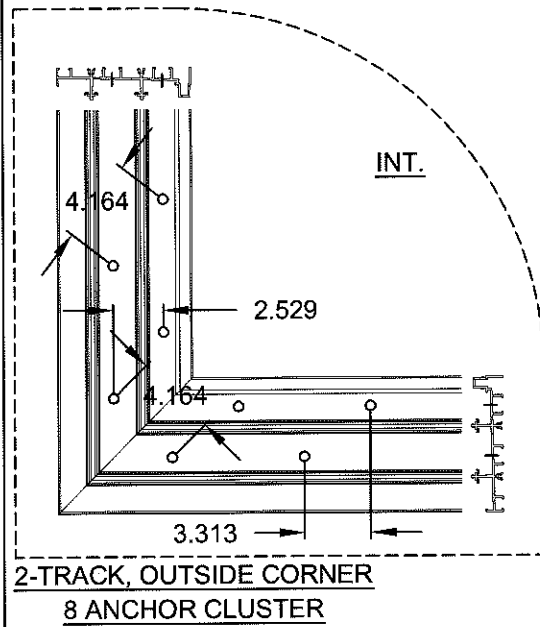
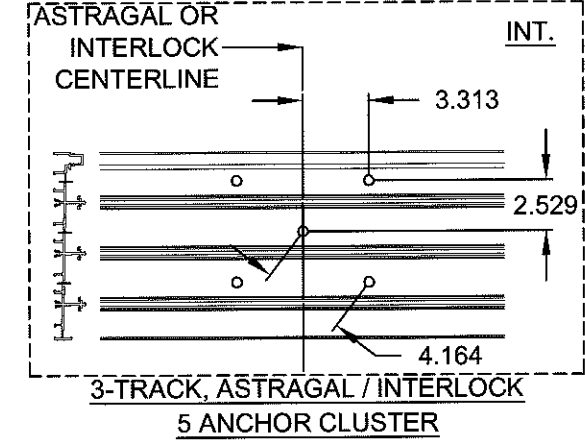
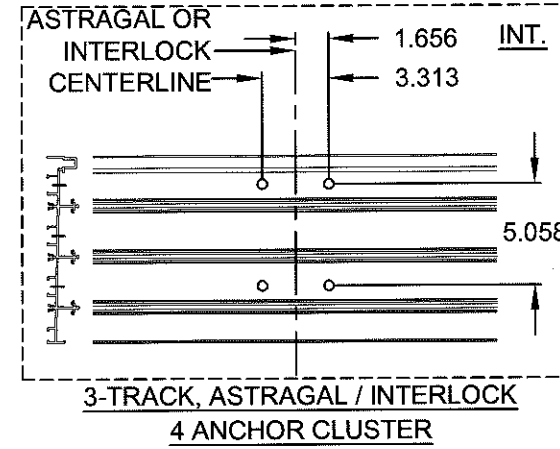
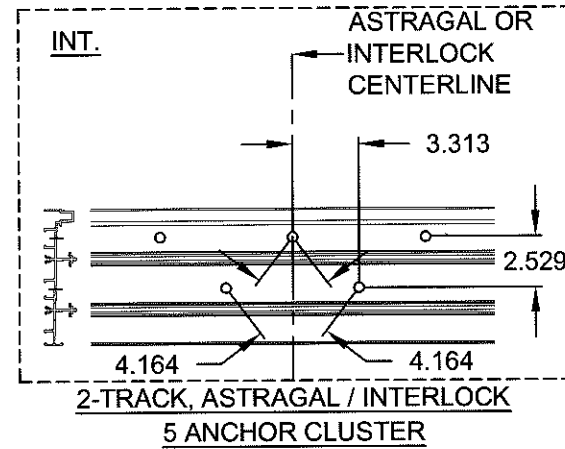
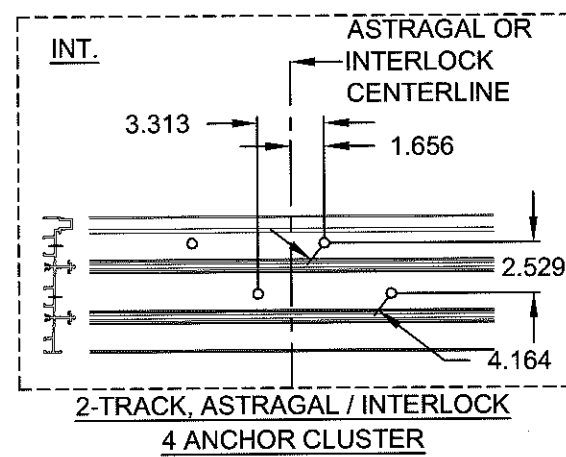
JAMBS & P-HOOKS... 7 11/16" MAX. FROM BOTTOM AND 24 1/2" MAX. O.C. UTILIZING ANCHOR QUANTITIES FROM APPROPRIATE TABLES, SHTS. 3-6. SEE P-HOOK ANCHOR DETAILS ON SHEET 10.



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Expiration Date 3/18/19  
*Shang J. Chang*  
Manager Product Control

|                   |                  |                     |                                                                                      |  |                                                                                                                |                                                                 |                         |               |                   |                        |
|-------------------|------------------|---------------------|--------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------|---------------|-------------------|------------------------|
| Revsd By:         | Date:            | Revisions:          | 1070 TECHNOLOGY DRIVE<br>NOKOMIS, FL 34275<br><br>P.O. BOX 1529<br>NOKOMIS, FL 34274 |  | <br><i>Visibly Better</i> | Description:<br><b>ANCHORAGE SPACING &amp; EXAMPLE CLUSTERS</b> |                         |               |                   |                        |
| Revsd By:         | Date:            | Revisions:          |                                                                                      |  |                                                                                                                | Title:<br><b>ALUM. SLIDING GLASS DOOR, NON-IMPACT</b>           |                         |               |                   |                        |
| Revsd By:         | Date:            | Revisions:          |                                                                                      |  |                                                                                                                |                                                                 |                         |               |                   |                        |
| Drawn By:<br>F.K. | Date:<br>8/22/07 | Checked By:<br>J.J. | Date:<br>XX/XX/07                                                                    |  |                                                                                                                |                                                                 | Series/Model:<br>SGD680 | Scale:<br>NTS | Sheet:<br>7 of 20 | Drawing No.<br>8100-12 |





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Acceptance No. 16-0629.05  
Expiration Date 3/18/19  
By: Ishag J. Chahal  
PGT Product Control

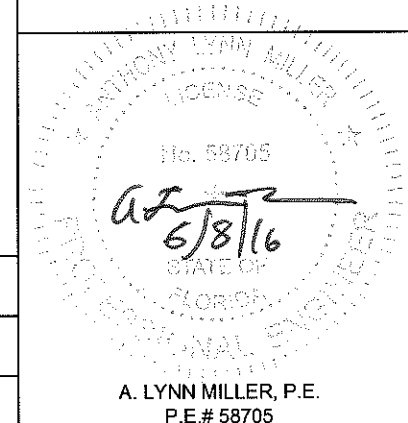
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| Revised By: | Date:   | Revisions:  |
| Revised By: | Date:   | Revisions:  |
| Revised By: | Date:   | Revisions:  |
| Drawn By:   | Date:   | Checked By: |
| F.K.        | 8/22/07 | J.J.        |

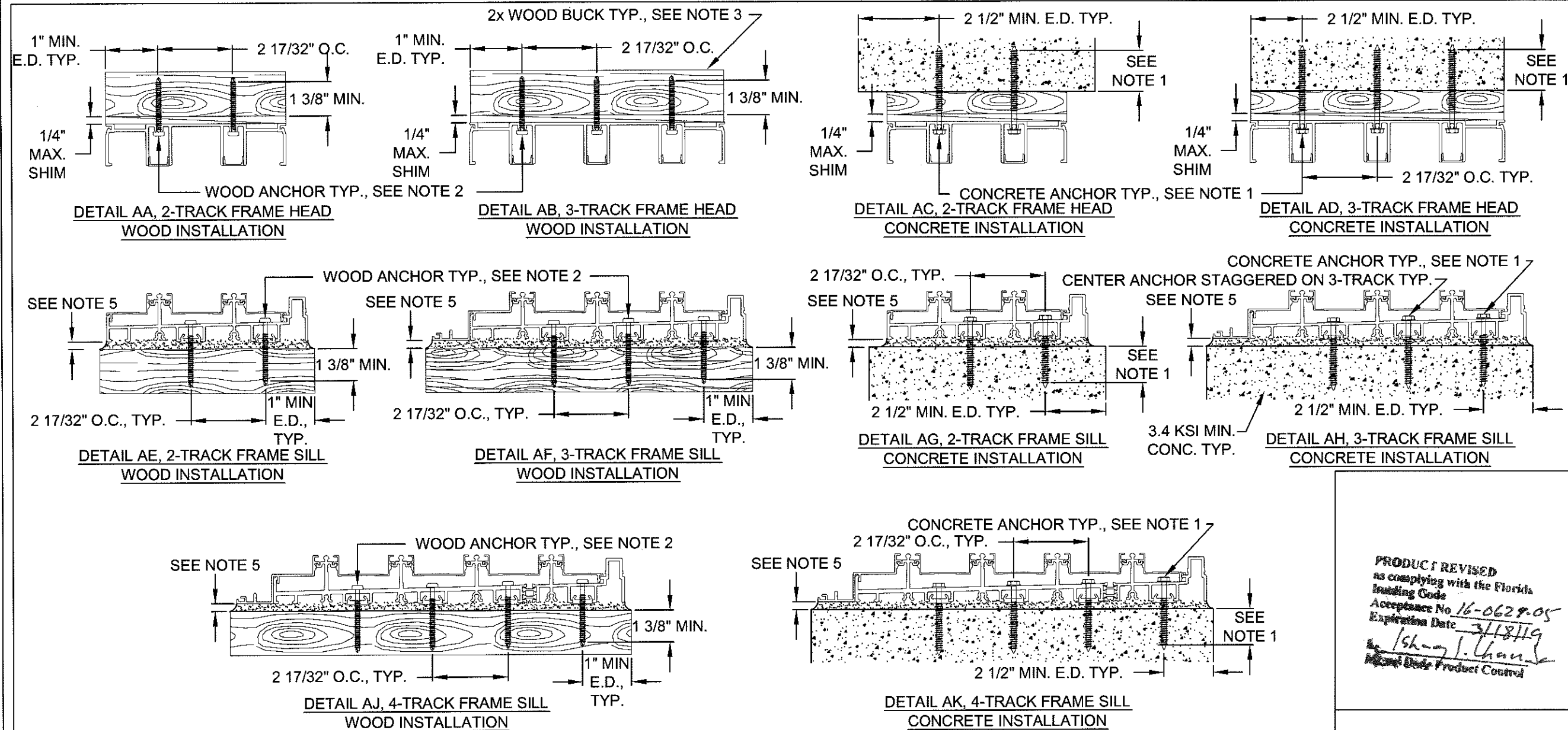
1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275

P.O. BOX 1529  
NOKOMIS, FL 34274

**PGT**  
Visibly Better

|                                                       |               |                   |                        |           |
|-------------------------------------------------------|---------------|-------------------|------------------------|-----------|
| Description:<br><b>ANCHORAGE, EXAMPLE CLUSTERS</b>    |               |                   |                        |           |
| Title:<br><b>ALUM. SLIDING GLASS DOOR, NON-IMPACT</b> |               |                   |                        |           |
| Series/Model:<br>SGD680                               | Scale:<br>NTS | Sheet:<br>8 of 20 | Drawing No.<br>8100-12 | Rev:<br>C |





**NOTES PERTAINING TO ANCHORAGE DETAILS ON SHTS. 7-8:**

1. FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED ELCO 1/4" ULTRACON (FORMERLY TAPCON) - MIN. 1 3/8" EMBED. OR 1/4" ELCO SS4 CRETE-FLEX - 1 3/4" MIN. EMBED.
2. FOR WOOD APPLICATIONS USE #12 STEEL SCREWS (G5). 1/4" ELCO SS4 CRETE-FLEX MAY BE USED INSTEAD OF #12 SCREWS.
3. WOOD BUCKS DEPICTED AS 1x ARE LESS THAN 1 1/2" THICK. 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. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ).
4. FOR ATTACHMENT TO ALUMINUM: THE ALUMINUM SHALL BE A MINIMUM STRENGTH OF 6063-T5 AND A MINIMUM OF 1/8" THICK. THE ALUMINUM STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE DOOR FRAME SIMILAR TO THAT SHOWN IN THE DETAILS USING 2x WOOD BUCKS. THE ANCHORS SHALL BE #12 SHEET METAL SCREWS WITH FULL THREAD ENGAGEMENT INTO THE ALUMINUM. IF THESE CRITERIA ARE MET, THE FULL DESIGN PRESSURES USING ANCHORAGE REQUIREMENTS SHOWN IN TABLES 1-4, SHTS. 3-6 FOR ANCHOR TYPE 3 ARE ACCEPTABLE.
5. IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, 3400 PSI MIN., (DONE BY OTHERS) MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER SHEAR LOAD TO SUBSTRATE. IF SUBSTRATE IS WOOD, 30# FELT PAPER OR MASTIC IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE, OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ).

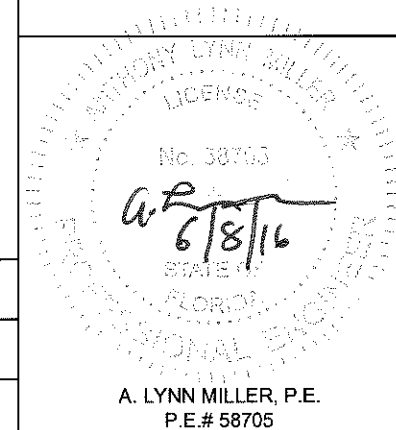
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| Drawn By:   | Date:   | Checked By: | Date:    |
| F.K.        | 8/22/07 | J.J.        | XX/XX/07 |

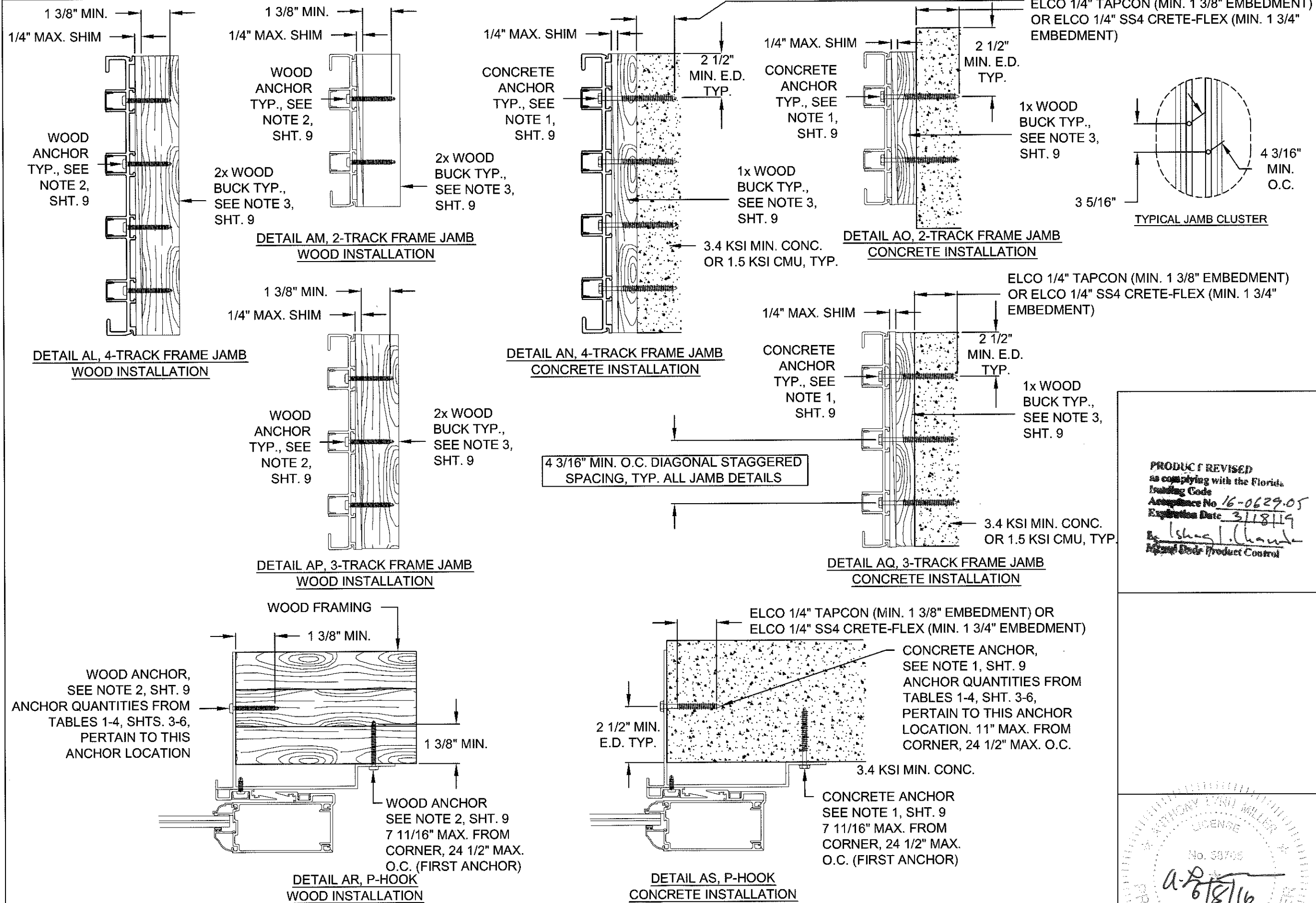
1070 TECHNOLOGY DRIVE  
 NOKOMIS, FL 34275  
 P.O. BOX 1529  
 NOKOMIS, FL 34274

**PGT**  
 Visibly Better

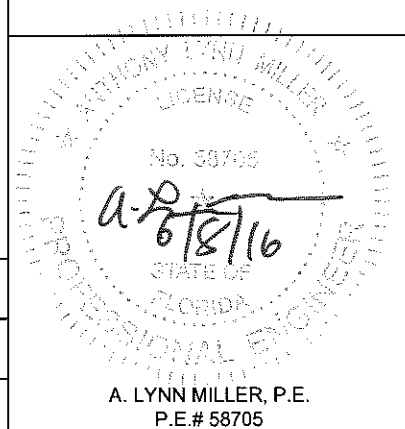
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| Title:<br><b>ALUM. SLIDING GLASS DOOR, NON-IMPACT</b> |               |                   |                        |           |
| Series/Model:<br>SGD680                               | Scale:<br>NTS | Sheet:<br>9 of 20 | Drawing No.<br>8100-12 | Rev:<br>C |

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 as complying with the Florida  
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 A. Lynn Miller  
 Miami Dade Product Control





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Acceptance No. 16-0629.05  
Expiration Date 3/18/19  
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Product Control



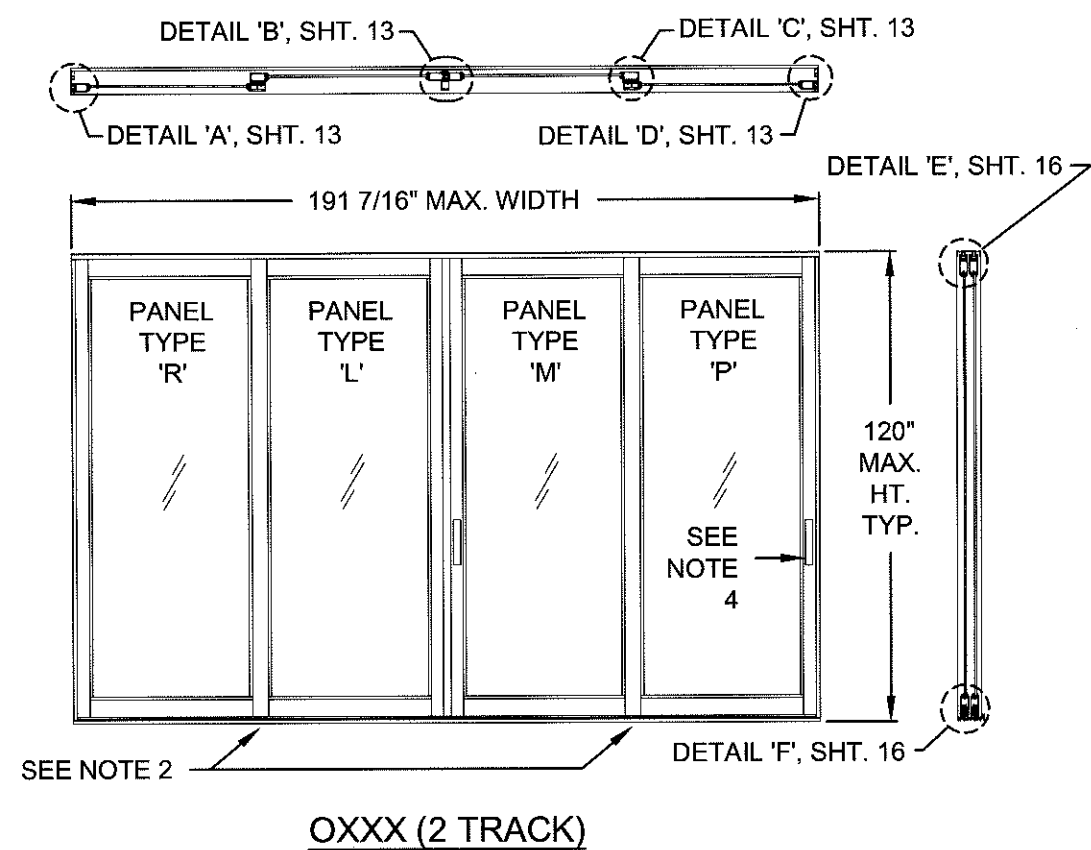
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| Revsd By: | Date:   | Revisions:  |          |
| Drawn By: | Date:   | Checked By: | Date:    |
| F.K.      | 8/22/07 | J.J.        | XX/XX/07 |

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P.O. BOX 1529  
NOKOMIS, FL 34274

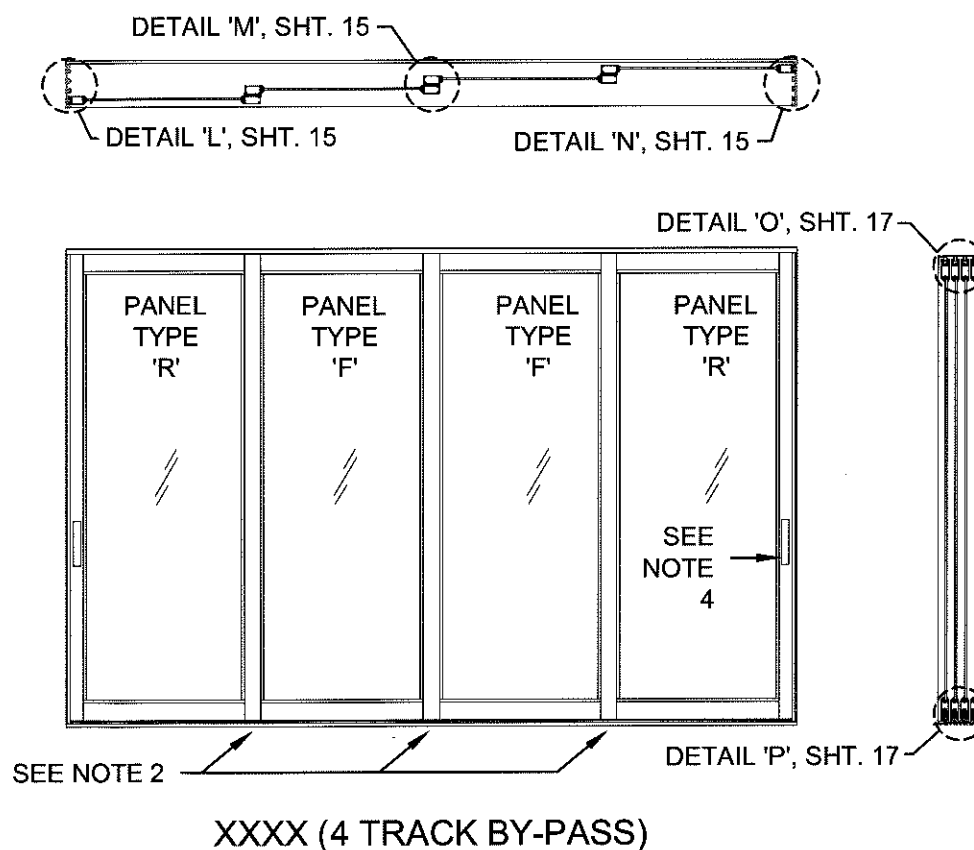
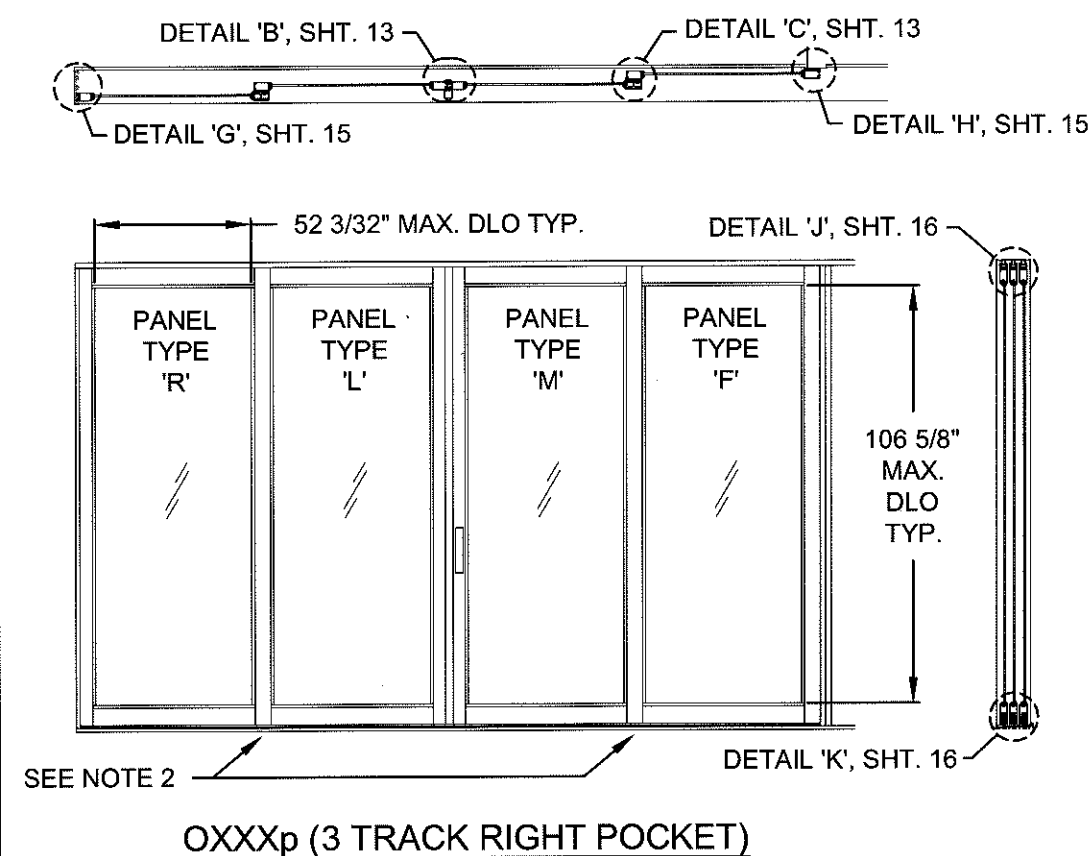
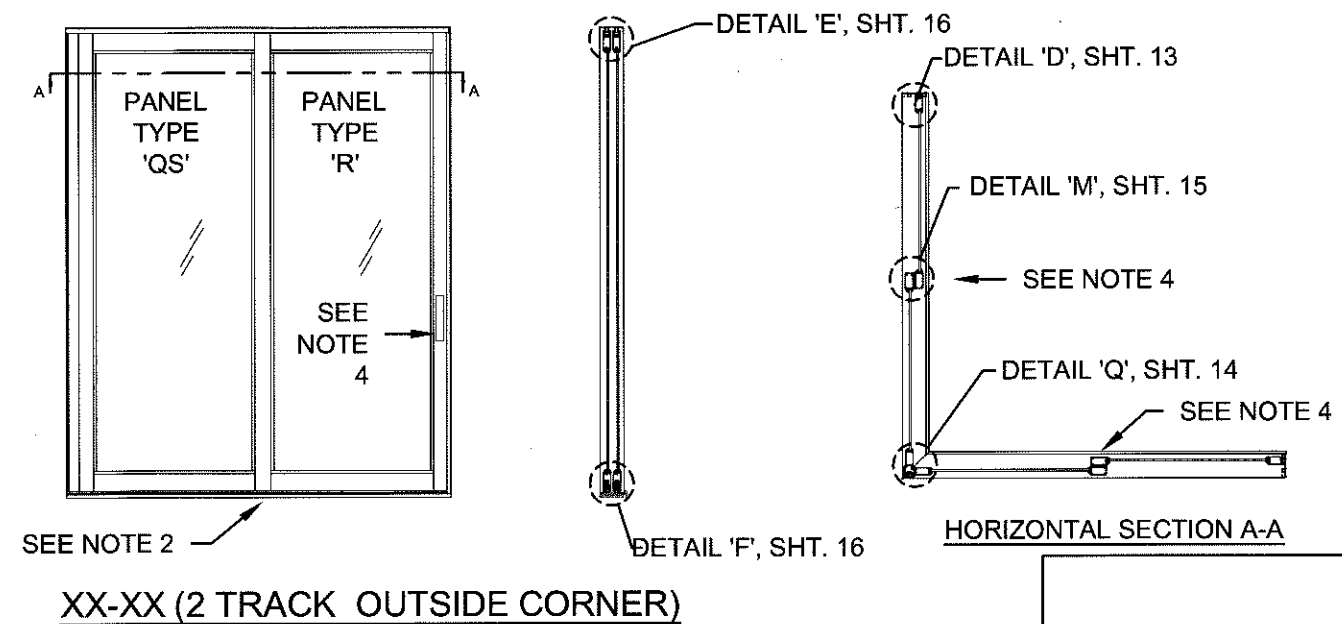


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| Description:  | ANCHORAGE DETAILS                    |        |     |          |
| Title:        | ALUM. SLIDING GLASS DOOR, NON-IMPACT |        |     |          |
| Series/Model: | SGD680                               | Scale: | NTS | Sheet:   |
|               |                                      |        |     | 10 of 20 |
| Drawing No.   | 8100-12                              | Rev:   | C   |          |



**NOTES:**

1. SEE SHEET 12 FOR INDIVIDUAL PANEL CONFIGURATIONS. MAX. NOMINAL PANEL WIDTH = 60".
2. SEE SHEETS 13 THROUGH 17 FOR SECTION DETAILS.
3. SEE SHEETS 3 THROUGH 10 FOR ANCHORAGE DETAILS.
4. REINFORCEMENT LOCATIONS: REINFORCEMENTS ARE REQUIRED IN THE EXTERIOR INTERLOCKS OF DOORS. SEE SECTION DETAIL C, SHEET 13
5. DLO WIDTH = NOM. PANEL WIDTH - 7 29/32" DLO HEIGHT = DOOR HEIGHT - 3 3/8"



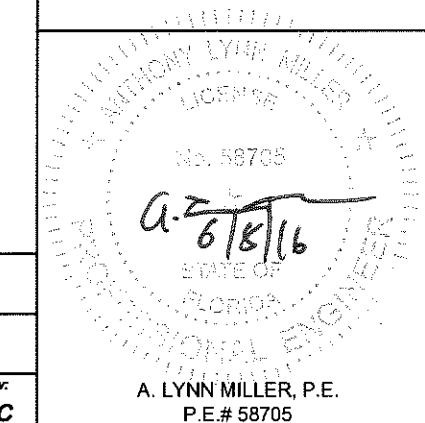
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Manager Product Control

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| Drawn By:   | Date:   | Checked By: | Date:    |
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NOKOMIS, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274

**PGT**  
Visibly Better

|                                                          |        |          |             |      |
|----------------------------------------------------------|--------|----------|-------------|------|
| Description:<br><b>EXAMPLE ELEVATIONS/CONFIGURATIONS</b> |        |          |             |      |
| Title:<br><b>ALUM. SLIDING GLASS DOOR, NON-IMPACT</b>    |        |          |             |      |
| Series/Model:                                            | Scale: | Sheet:   | Drawing No. | Rev. |
| SGD680                                                   | NTS    | 11 of 20 | 8100-12     | C    |

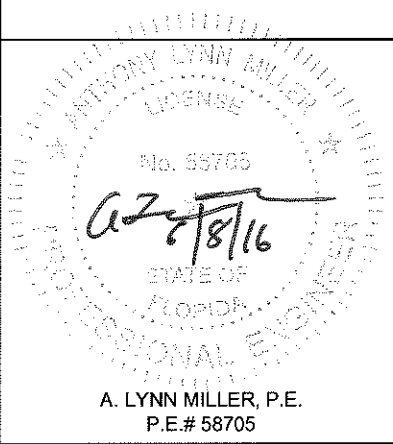


| PANEL LETTER           |                  |  | PANEL LETTER          |                   |  |
|------------------------|------------------|--|-----------------------|-------------------|--|
| <b>P</b>               | SINGLE INTERLOCK |  | <b>GR</b>             | DOUBLE INTERLOCK  |  |
| <b>R</b>               | FIXED LOCKSTILE  |  | <b>U</b><br>(BOX OUT) | ASTRAGAL OUT      |  |
| <b>T</b><br>(BOX OUT)  | ASTRAGAL OUT     |  | <b>U</b><br>(BOX IN)  | ASTRAGAL IN       |  |
| <b>T</b><br>(BOX IN)   | ASTRAGAL IN      |  | <b>A</b>              | SINGLE INTERLOCK  |  |
| <b>S</b><br>(BOX OUT)  | FIXED LOCKSTILE  |  | <b>D</b>              | LOCKSTILE         |  |
| <b>S</b><br>(BOX IN)   | FIXED LOCKSTILE  |  | <b>G</b>              | LOCKSTILE         |  |
| <b>Y</b>               | FIXED LOCKSTILE  |  | <b>J</b><br>(BOX OUT) | LOCKSTILE         |  |
| <b>YR</b>              | DOUBLE INTERLOCK |  | <b>J</b><br>(BOX IN)  | LOCKSTILE         |  |
| <b>W</b><br>(BOX IN)   | DOUBLE INTERLOCK |  | <b>M</b>              | LOCKSTILE         |  |
| <b>WR</b><br>(BOX OUT) | ASTRAGAL OUT     |  | <b>CS</b>             | ASTRAGAL RECEIVER |  |
| <b>L</b><br>(BOX OUT)  | SINGLE INTERLOCK |  | <b>SC</b>             | SINGLE INTERLOCK  |  |
| <b>LR</b><br>(BOX OUT) | ASTRAGAL OUT     |  | <b>QS</b>             | CORNER LOCKSTILE  |  |
| <b>N</b><br>(BOX IN)   | ASTRAGAL IN      |  | <b>SQ</b>             | SINGLE INTERLOCK  |  |
| <b>C</b><br>(BOX IN)   | SINGLE INTERLOCK |  | <b>AS</b>             | ASTRAGAL RECEIVER |  |
| <b>B</b>               | SINGLE INTERLOCK |  | <b>SA</b>             | SINGLE INTERLOCK  |  |
| <b>F</b>               | SINGLE INTERLOCK |  | <b>CI</b>             | CORNER LOCKSTILE  |  |
| <b>E</b>               | SINGLE INTERLOCK |  | <b>IC</b>             | SINGLE INTERLOCK  |  |
| <b>I</b>               | DOUBLE INTERLOCK |  | <b>CF</b>             | ASTRAGAL RECEIVER |  |
| <b>K</b>               | SINGLE INTERLOCK |  | <b>FC</b>             | FIXED LOCKSTILE   |  |

NOTE:  
1. MAXIMUM NOMINAL  
PANEL WIDTH FOR ALL  
PANEL CONFIGURATIONS  
EQUALS 60"

↑ INTERIOR  
(ALL PANEL TYPES)  
↓ EXTERIOR

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Miami Door Product Control



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| F.K.      | 8/22/07 | J.J.        | XX/XX/07 |

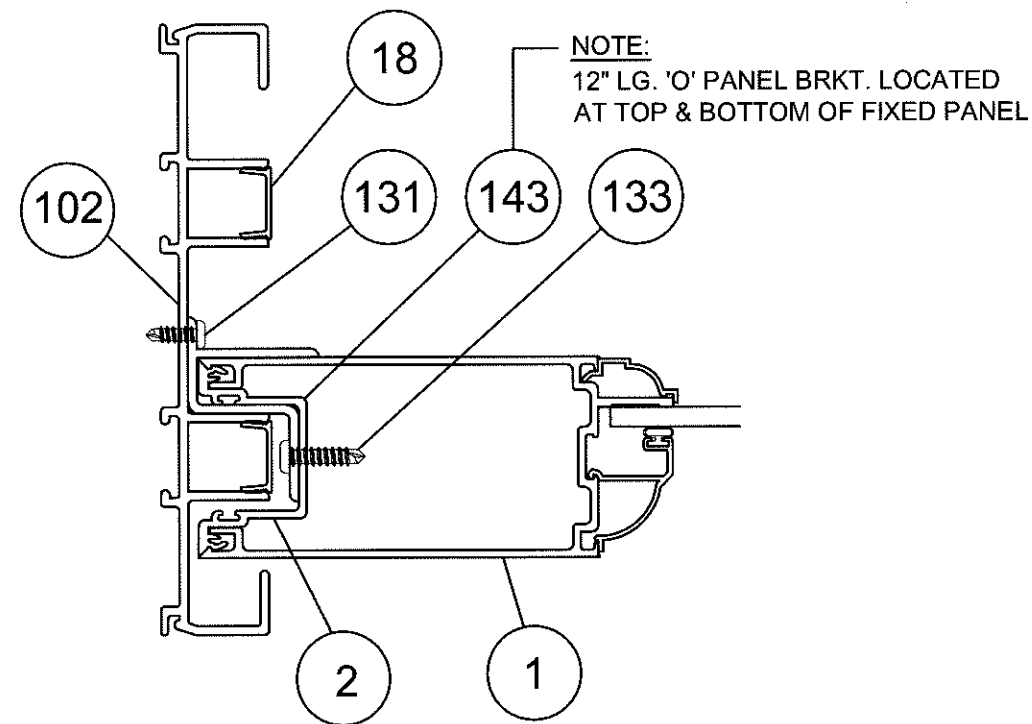
1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275  
  
P.O. BOX 1529  
NOKOMIS, FL 34274



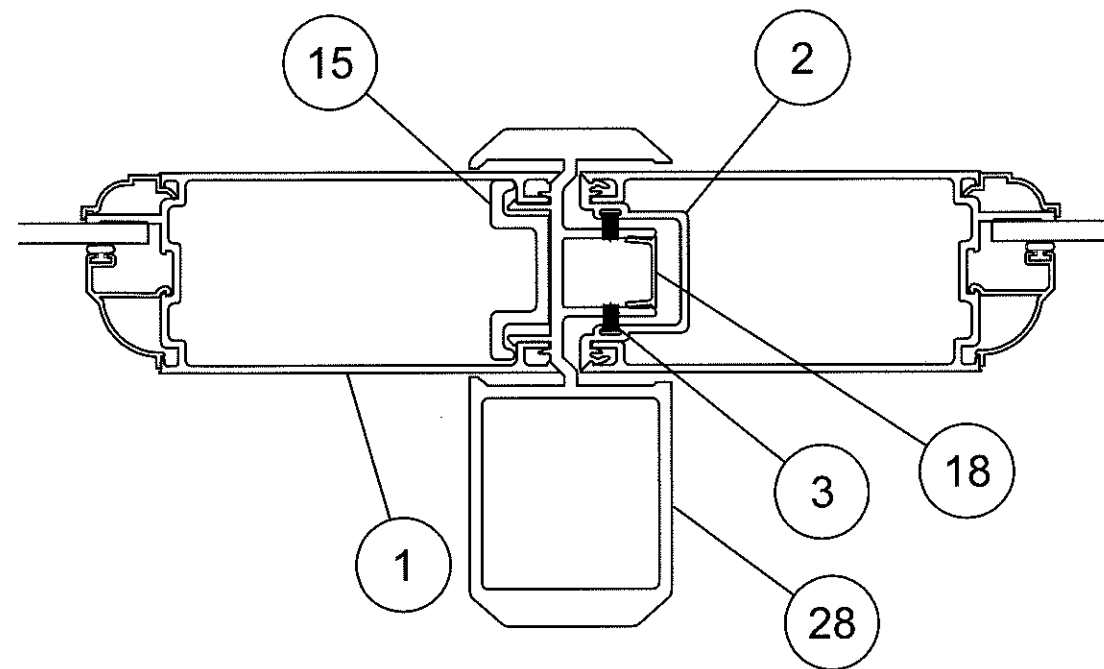
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| Description:<br><b>PANEL TYPES</b>                    |                |                    |                        |
| Title:<br><b>ALUM. SLIDING GLASS DOOR, NON-IMPACT</b> |                |                    |                        |
| Series/Model:<br>SGD680                               | Scale:<br>FULL | Sheet:<br>12 of 20 | Drawing No.<br>8100-12 |
|                                                       |                |                    | Rev:<br>C              |

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P.E.# 58705

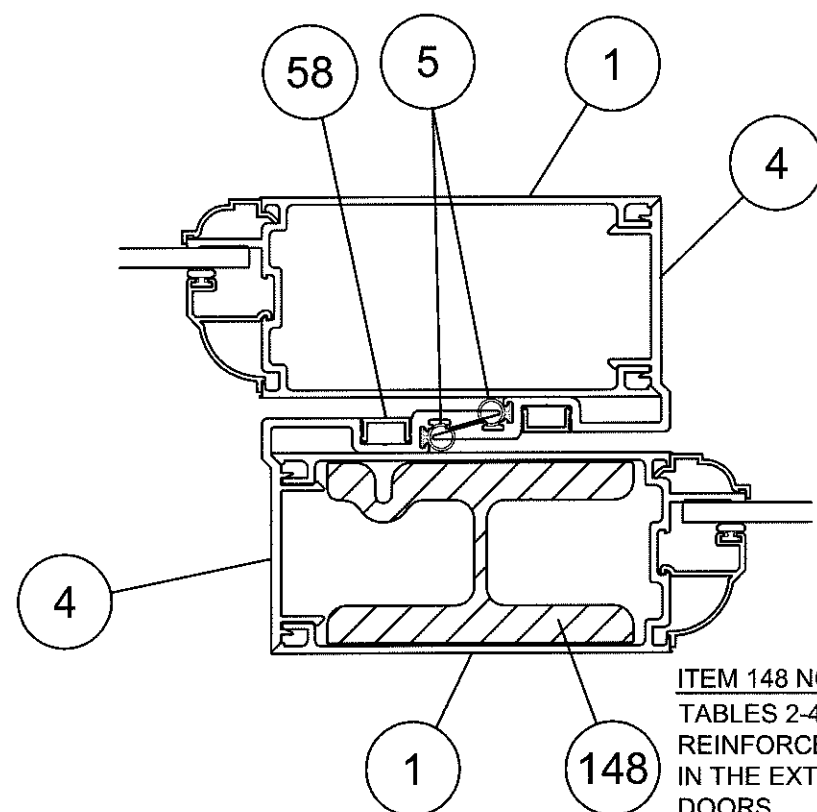
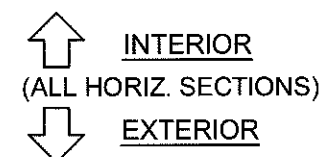




DETAIL 'A'

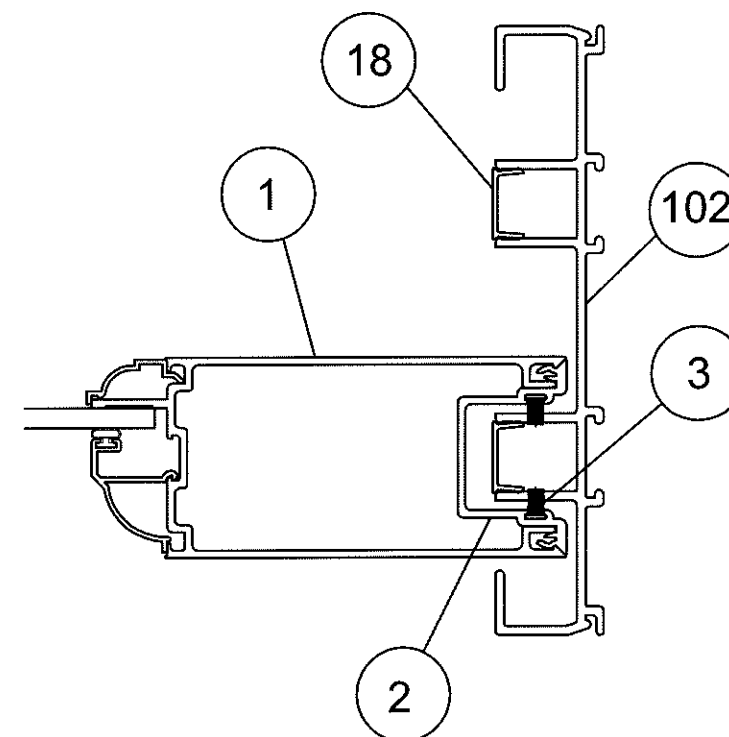


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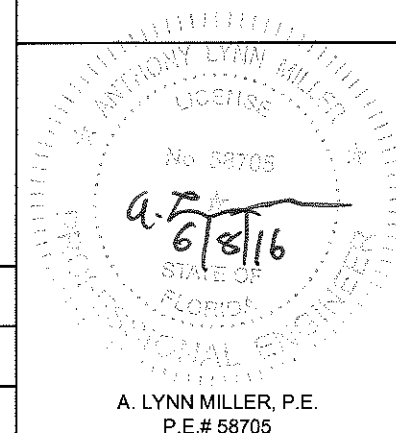
DETAIL 'C' (REINFORCED)

ITEM 148 NOTE:  
TABLES 2-4, SHTS. 4-6  
REINFORCEMENT REQUIRED ONLY  
IN THE EXTERIOR INTERLOCK OF  
DOORS.



DETAIL 'D'

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Product Control



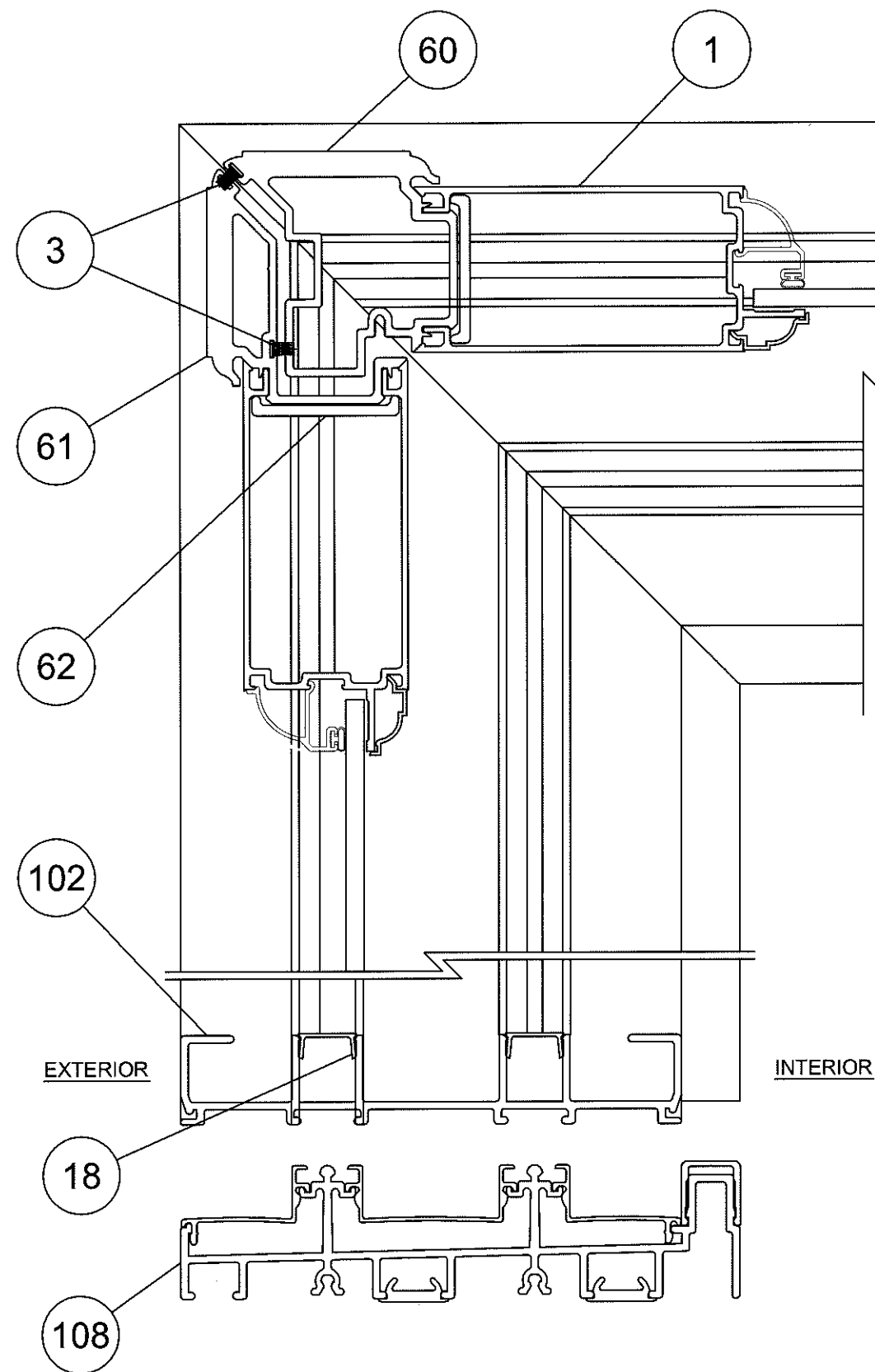
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| Revised By: | Date:   | Revisions:  |         |
| Drawn By:   | Date:   | Checked By: | Date:   |
| F.K.        | 8/22/07 | J.J.        | XXXX/07 |

1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275  
  
P.O. BOX 1529  
NOKOMIS, FL 34274

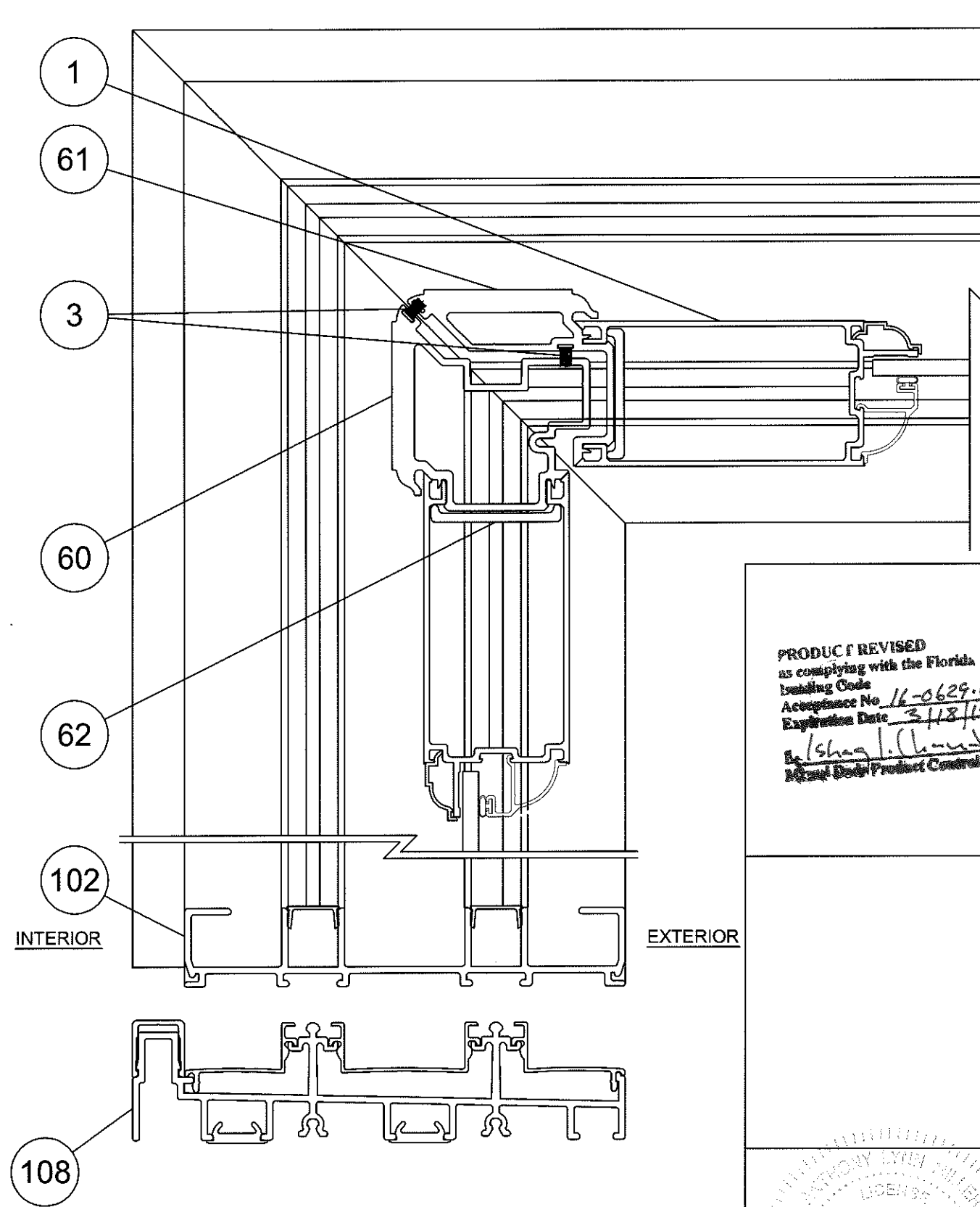


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|-------------------------------------------------------|----------------|--------------------|------------------------|-----------|
| Description:<br><b>HORIZONTAL SECTION DETAILS</b>     |                |                    |                        |           |
| Title:<br><b>ALUM. SLIDING GLASS DOOR, NON-IMPACT</b> |                |                    |                        |           |
| Series/Model:<br>SGD680                               | Scale:<br>1/2x | Sheet:<br>13 of 20 | Drawing No.<br>8100-12 | Rev.<br>C |



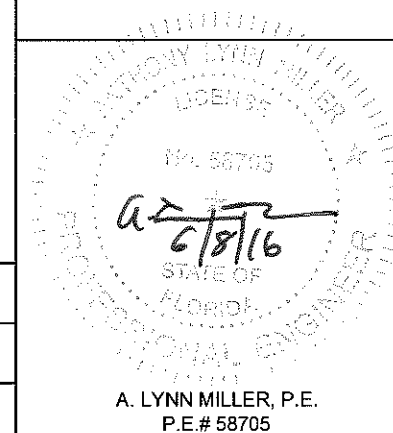


**DETAIL 'Q'**  
(OUTSIDE CORNER, 2-TRACK SHOWN)



**DETAIL 'R'**  
(INSIDE CORNER, 2 TRACK SHOWN)

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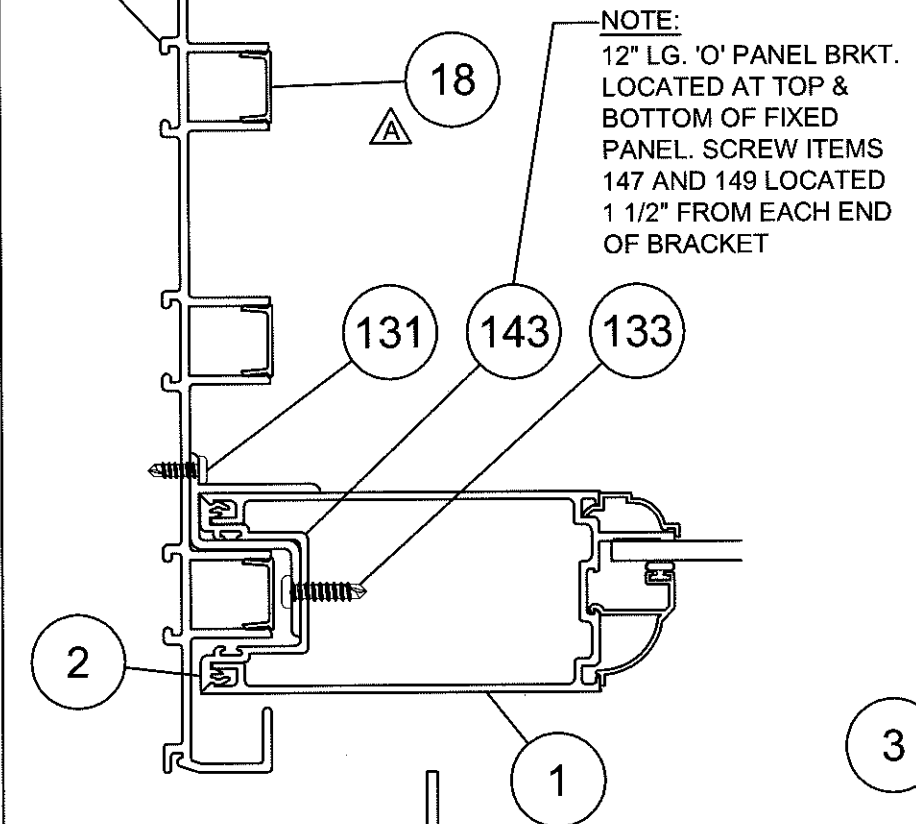
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| Revised By: | Date:   | Revisions:  |       |
| Revised By: | Date:   | Revisions:  |       |
| Drawn By:   | Date:   | Checked By: | Date: |
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1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274

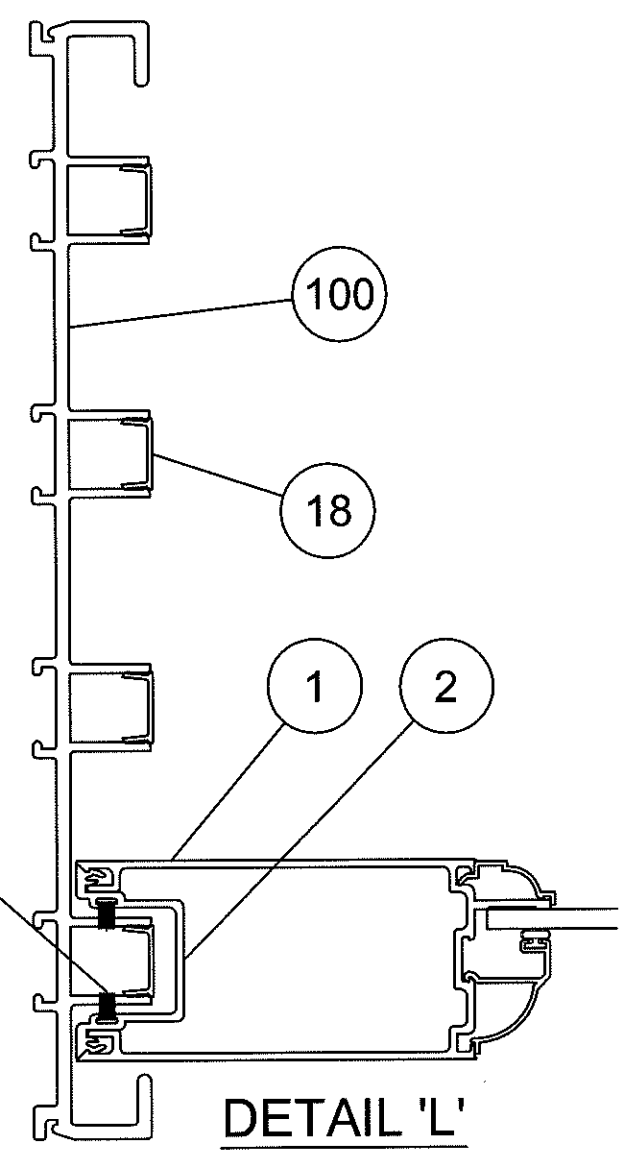


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| Description:  | HORIZONTAL SECTION DETAILS, CORNERS  |        |      |          |
| Title:        | ALUM. SLIDING GLASS DOOR, NON-IMPACT |        |      |          |
| Series/Model: | SGD680                               | Scale: | 1/2x | Sheet:   |
|               |                                      |        |      | 14 of 20 |
| Drawing No.   | 8100-12                              | Rev:   | C    |          |

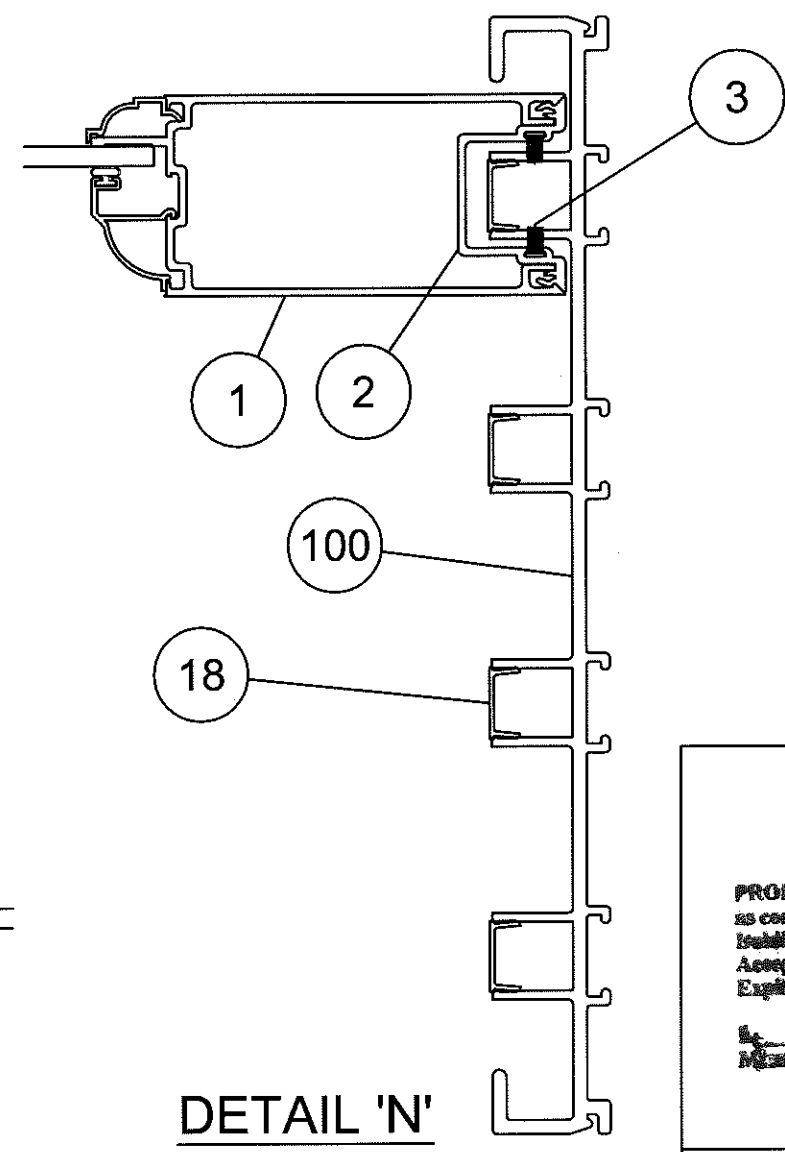
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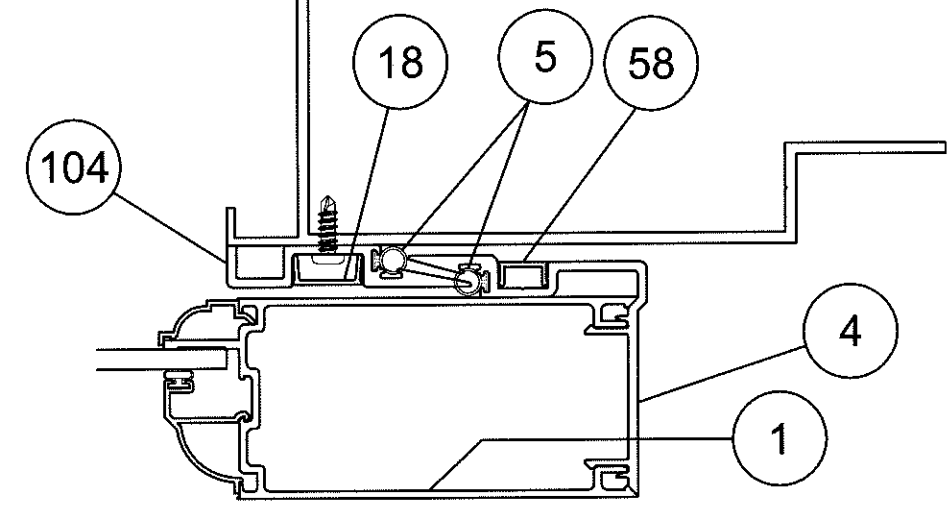
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(ALL HORIZ. SECTIONS)  
↓ EXTERIOR



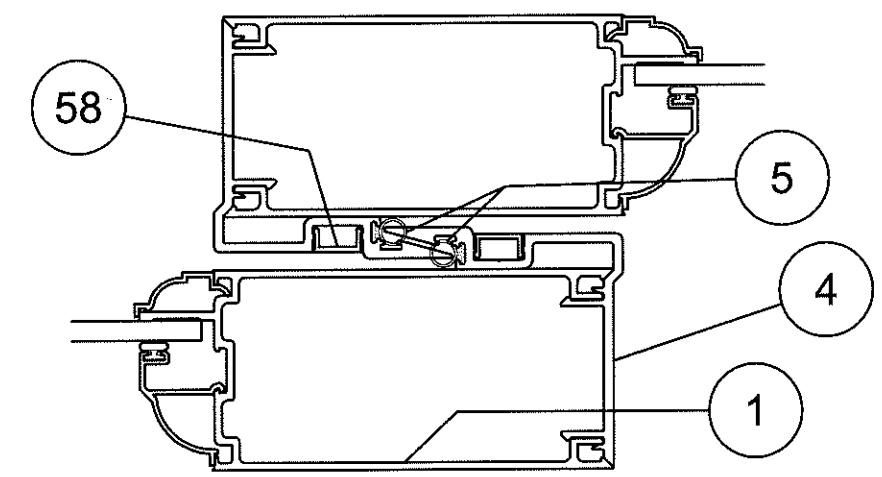
DETAIL 'L'



DETAIL 'N'

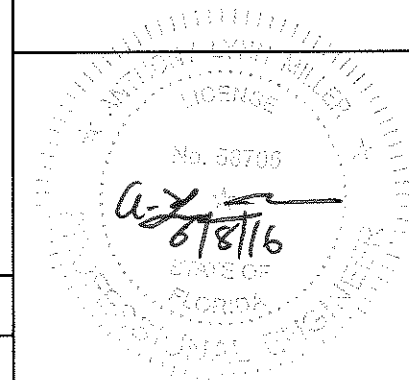


DETAIL 'H'



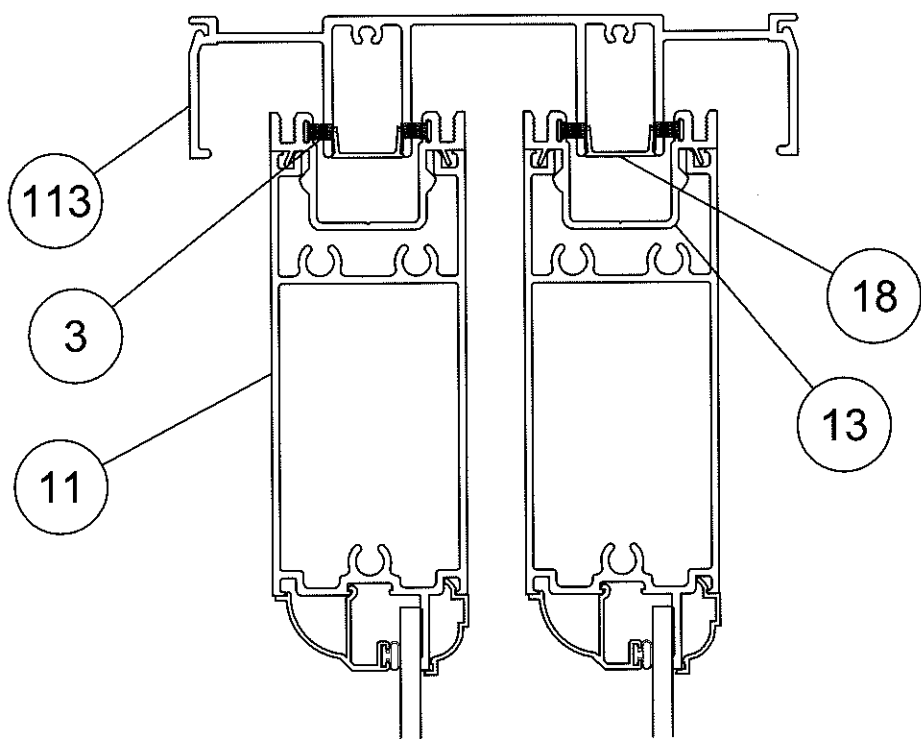
DETAIL 'M' (NOT REINFORCED)

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Product Control

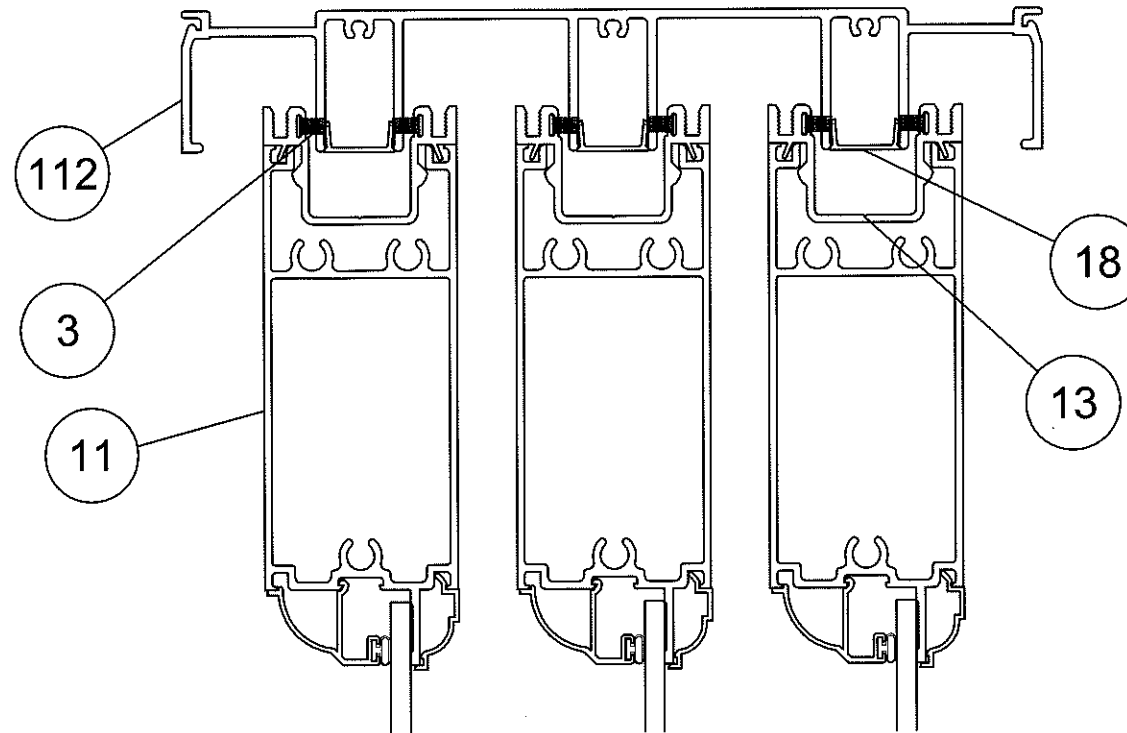


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P.E.# 58705

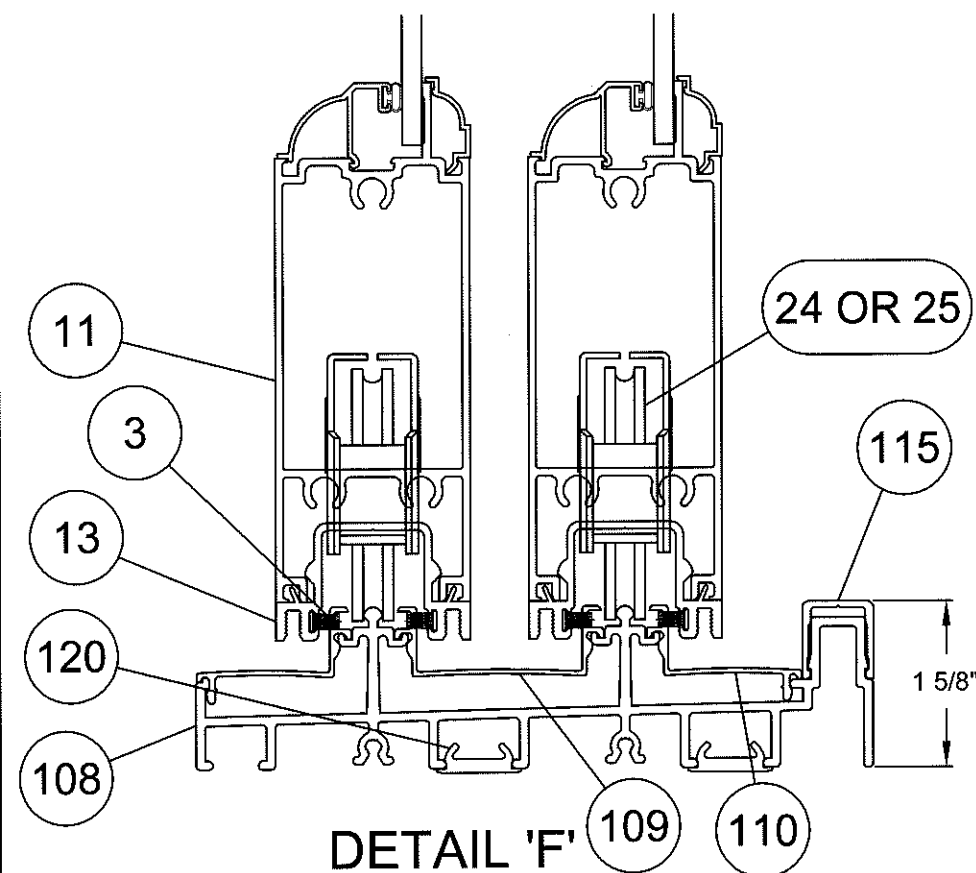
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| Revised By:       | Date:            | Revisions:          | 1070 TECHNOLOGY DRIVE<br>NOKOMIS, FL 34275<br><br>P.O. BOX 1529<br>NOKOMIS, FL 34274 |  | Description:<br>HORIZONTAL SECTION DETAILS     |        |          |             |      |
| Revised By:       | Date:            | Revisions:          |                                                                                      |                                                                                       | Title:<br>ALUM. SLIDING GLASS DOOR, NON-IMPACT |        |          |             |      |
| Revised By:       | Date:            | Revisions:          |                                                                                      |                                                                                       | Series/Model:                                  | Scale: | Sheet:   | Drawing No. | Rev: |
| Drawn By:<br>F.K. | Date:<br>8/22/07 | Checked By:<br>J.J. | Date:<br>XX/XX/07                                                                    |                                                                                       | SGD680                                         | 1/2x   | 15 of 20 | 8100-12     | C    |



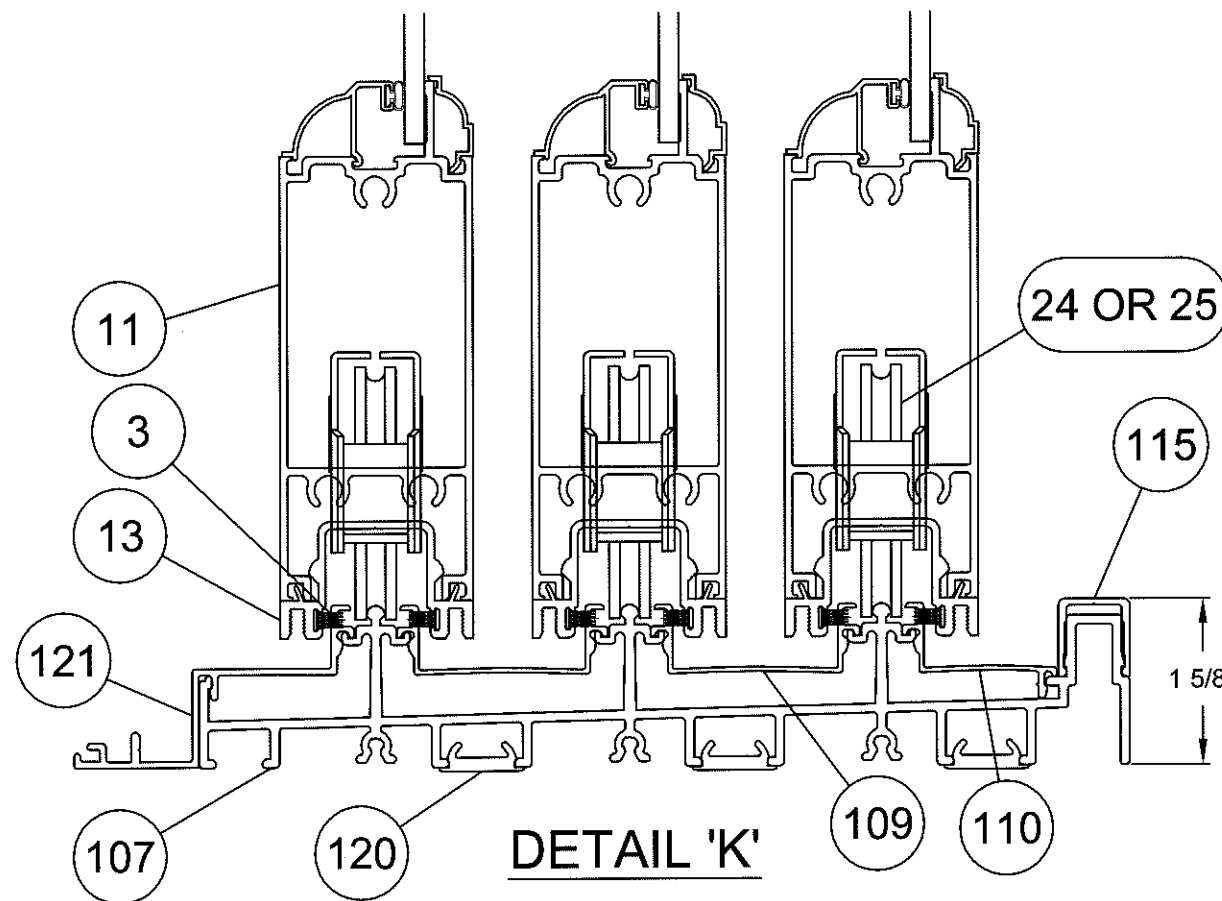
DETAIL 'E'



DETAIL 'J'



DETAIL 'F'



DETAIL 'K'

← EXTERIOR INTERIOR →  
(ALL VERT. SECTIONS)

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Expiration Date 3/18/19  
By: [Signature]  
NOKOMIS Product Control

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| Revised By: | Date:   | Revisions:  |          |
| Revised By: | Date:   | Revisions:  |          |
| Drawn By:   | Date:   | Checked By: | Date:    |
| F.K.        | 8/22/07 | J.J.        | XX/XX/07 |

1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274

**PGT**  
Visibly Better

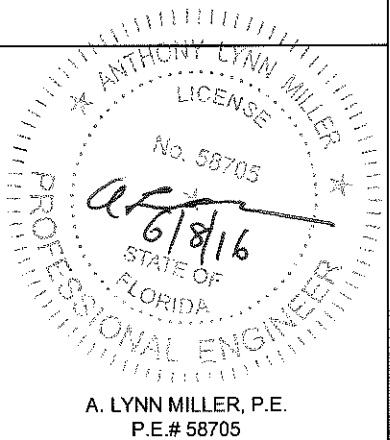
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| Description:<br><b>VERTICAL SECTION DETAILS</b>       |                |                    |                        |           |
| Title:<br><b>ALUM. SLIDING GLASS DOOR, NON-IMPACT</b> |                |                    |                        |           |
| Series/Model:<br>SGD680                               | Scale:<br>1/2x | Sheet:<br>16 of 20 | Drawing No.<br>8100-12 | Rev:<br>C |

STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
LICENSE  
No. 58705  
A. LYNN MILLER, P.E.  
P.E.# 58705

| SGD680 PANEL PARTS      |                                                            |              |                                                |
|-------------------------|------------------------------------------------------------|--------------|------------------------------------------------|
| ITEM                    | DWG #                                                      | PGT #        | DESCRIPTION                                    |
| 1                       | 8012                                                       | 68012 B/W    | PANEL STILE                                    |
| 2                       | 8104                                                       | 68104 B/W    | STILE ADAPTER (FIXED AND LOCKING)              |
| 3                       | 1644                                                       | 61644G       | WEATHERSTRIP, .270 X .187 WSTP 4PLY GREY       |
| 4                       | 8102                                                       | 68102C B/W   | INTERLOCK ADAPTER (LEFT AND RIGHT)             |
| 5                       | 7070                                                       | 67070K       | NEOPRENE BULB WEATHERSTRIP                     |
| 11                      | 8014-1                                                     | 68014A B/W   | TOP RAIL / SMALL BOTTOM RAIL                   |
| 12                      | 8013-2                                                     | 68013A B/W   | TALL BOTTOM RAIL                               |
| 13                      | 8103B                                                      | 68103B B/W   | SNAP RAIL ADAPTER                              |
| 15                      | 8105                                                       | 68105 B/W    | BACKER PLATE                                   |
| 18                      | 8136                                                       | 68136 B/W    | SCREW COVER                                    |
| 19                      |                                                            | 7516X2LBOLT  | 5/16" X 2" LAGBOLT, (STAINLESS)                |
| 19A                     | 8197                                                       | 48197N       | LAGBOLT WASHER, NYLON                          |
| 20                      |                                                            | 78X34PPTX410 | #8X 3/4" PHIL PAN TEK SCREW 410 SS             |
| 21                      | 1695                                                       | 71695K       | 1 1/2"W X 1"L X 3/4"H FIN SEAL DUST PLUGS      |
| 22                      |                                                            | 710X115PPX   | SCREW #10X 1 1/2" PHIL PAN SMS                 |
| 24                      | 8153N                                                      | 78153N       | TANDEM NYLON ROLLER ASSEMBLY                   |
| 25                      | 8153X                                                      | 78153X       | TANDEM STAINLESS STEEL ROLLER ASSEMBLY         |
| 26                      | 8022                                                       | 68022 (B/W)  | INTERIOR BEAD                                  |
| 27                      | 8024A                                                      | 68024A (B/W) | 7/8" NON IMPACT IG BEAD (OGEE STYLE)           |
| 28                      | 8107B                                                      | 68107B B/W   | ASTRAGAL                                       |
| 34                      | 8144                                                       | 68144 (B/W)  | 1/4"& 3/16" OGEE BEAD                          |
| 36                      | 8025                                                       | 68025 (B/W)  | 3/16" OGEE BEAD                                |
| 38                      | 8147                                                       | 68147 (B/W)  | 1/4" SQUARE BEAD HORIZONTAL                    |
| 46                      | 1224                                                       | 6TP247 (K)   | VINYL GLAZING BULB                             |
| 47                      | 1643                                                       | 61643K       | FOAM FILLED NEOPRENE GLAZING BULB              |
| 49                      | 8048                                                       | 78048K       | SETTING BLOCKS 1/2" X 4" X 1/8", MONO          |
| 50                      | 8047                                                       | 78047K       | SETTING BLOCKS 1" X 4" X 1/8", IG              |
| 51                      | 8185                                                       | 78185X       | GEMINI LOCK W/ LONG TRIM PLATE                 |
| 52                      | 8184                                                       | 78184X       | GEMINI LOCK W/ POCKET TRIM PLATE               |
| 53                      |                                                            | 71032X1FPFX  | 10-32 X 1" LG FLATHEAD SS SCREW W/TYPE "F" TIP |
| 54                      |                                                            | 7103239      | 10-32 STEEL ZINC U-NUT                         |
| 55                      |                                                            |              | DOW 899, 995 OR INSTANTGLAZE GLAZING SILICONE  |
| 58                      | 8156                                                       | 68156 B/W    | INTERLOCK TRIM COVER                           |
| 59                      | 8175                                                       | 48175 W/B    | CORNER ASTRAGAL SEALS                          |
| 60                      | 8111                                                       | 68111 B/W    | CORNER RECEIVER ASTRAGAL                       |
| 61                      | 8110                                                       | 68110 B/W    | CORNER LOCK ASTRAGAL                           |
| 62                      | 8112                                                       | 68112        | CORNER BACKER PLATE                            |
| 74                      | 3/16" TEMPERED GLASS                                       |              |                                                |
| 75                      | 1/4" TEMPERED GLASS                                        |              |                                                |
| 76                      | GLASS, 7/8" OVERALL STACK, 3/16" TEMPERED - 3/16" TEMPERED |              |                                                |
| 77                      | GLASS, 7/8" OVERALL STACK, 1/4" TEMPERED - 1/4" TEMPERED   |              |                                                |
| SGD680 DOOR FRAME PARTS |                                                            |              |                                                |
| ITEM                    | DWG #                                                      | PGT #        | DESCRIPTION                                    |
| 100                     | 8132                                                       | 68132W,B     | 4 TRACK JAMB                                   |
| 101                     | 8133                                                       | 68133W,B     | 3 TRACK JAMB                                   |
| 102                     | 8134                                                       | 68134W,B     | 2 TRACK JAMB                                   |
| 103                     | 8135                                                       | 68135W,B     | 2 TRACK JAMB W/ SCREEN TRACK                   |
| 104                     | 8108                                                       | 68108 B/W    | P-HOOK                                         |
| 105                     | 8109                                                       | 68109 B/W    | P-HOOK MOUNT                                   |
| 106                     | 8120                                                       | 68120A       | 4T SILL ASSEMBLY                               |
| 107                     | 8116                                                       | 68116A       | 3T SILL                                        |
| 108                     | 8118                                                       | 68118A       | 2T SILL                                        |

| SGD680 DOOR FRAME PARTS CONTINUED |       |              |                                                |
|-----------------------------------|-------|--------------|------------------------------------------------|
| ITEM                              | DWG # | PGT #        | DESCRIPTION                                    |
| 109                               | 8115  | 68115A       | MID SILL COVER                                 |
| 110                               | 8117  | 68117A       | INT-EXT SILL COVER                             |
| 111                               | 8121A | 68121A W/B   | 4T SINGLE HEAD                                 |
| 112                               | 8124A | 68124A W/B   | 3T SINGLE HEAD                                 |
| 113                               | 8127A | 68127A W/B   | 2T SINGLE HEAD                                 |
| 114                               | 8128A | 68128A W/B   | 2T W/ SCR N SINGLE HEAD                        |
| 115                               | 8140  | 68140A       | SILL RISER, 1 5/8"                             |
| 116                               | 8139  | 68139A       | SILL RISER, 2 3/4"                             |
| 117                               | 8138  | 68138A       | SILL RISER, 3 1/2"                             |
| 118                               | 8137  | 68137A       | SILL RISER, 4 1/2"                             |
| 119                               | 8182  | 68182A       | SILL RISER, 5 1/4"                             |
| 120                               | 8183  | 68183        | SILL MOUNTING STRIP                            |
| 121                               | 8119  | 68119A       | EXT SILL COVER WSCRN                           |
| SGD680 MISC. & KIT PARTS          |       |              |                                                |
| ITEM                              | DWG # | PGT #        | DESCRIPTION                                    |
| 125                               |       | 781PQA       | FRAME SCREW #8 X 1 TYPE A TWINFAST THREAD      |
| 126                               | 1270  | 7PAD118      | PAD, OPEN-CELL FOAM ADHESIVE (1/2 X 1 1/8)     |
| 127                               | 1179  | 710X34PPSDAX | #10X 3/4" TEK TIP PHIL PAN SCREW               |
|                                   | 653   | 7SDKEEP      | SCREEN LOCK KEEPER                             |
| 128                               | 727   | 41818K       | SCREEN KEEPER SPACER SET                       |
| 129                               | 947   | 41722W,K,S   | ROLLER ADJUSTMENT HOLE PLUG                    |
| 130                               | N/A   | 72087K       | BLACK BUMPER (FRAME JAMB)                      |
| 131                               | N/A   | 76X38PPAX    | #6 X 3/8" PHILLIPS PAN HEAD 18-8 SS            |
| 132                               |       | 44432 W,B    | COME A LONG                                    |
| 133                               | 1155  | 781PQX       | 8 X 1" LONG COMBO SQ/PHIL SCREW 18-8 STST      |
| 134                               | 1696  | 71696G       | 1 5/8" W X 3/4" L X 7/8" H FIN SEAL DUST PLUGS |
| 141                               | 4385  | 71164W,K,S   | 4 HOLE BUMPER STOP                             |
| 142                               |       | 78X38PPTX    | #8 X 3/8" PAN PHILLIPS TEK SCREW               |
| 143                               | 8188  | 68188        | "O" PANEL BRACKET --12" LONG                   |
| 148                               | 8192  | 68192 M      | INTERLOCK REINFORCEMENT                        |
| 150                               | 8157  | 78157K       | HANDLE KIT IN-ACTIVE BLACK                     |
| 151                               | 8158  | 78158W       | HANDLE KIT IN-ACTIVE SATIN WHITE               |
| 152                               | 8159  | 78159SN      | HANDLE KIT IN-ACTIVE SATIN NICKEL PVD          |
| 153                               | 8177  | 78177B       | HANDLE KIT IN-ACTIVE BRASS PVD                 |
| 154                               | 8160  | 78160K       | HANDLE KIT ACTIVE NON-KEYED BLACK              |
| 155                               | 8161  | 78161W       | HANDLE KIT ACTIVE NON-KEYED SATIN WHITE        |
| 156                               | 8162  | 78162SN      | HANDLE KIT ACTIVE NON-KEYED SATIN NICKEL PVD   |
| 157                               | 8178  | 78178B       | HANDLE KIT ACTIVE NON-KEYED BRASS PVD          |
| 158                               | 8163  | 78163K       | HANDLE KIT ACTIVE KEYED BLACK                  |
| 159                               | 8164  | 78164W       | HANDLE KIT ACTIVE KEYED SATIN WHITE            |
| 160                               | 8165  | 78165SN      | HANDLE KIT ACTIVE KEYED SATIN NICKEL PVD       |
| 161                               | 8179  | 78179B       | HANDLE KIT ACTIVE KEYED BRASS PVD              |
| 162                               | 8166  | 78166WR      | SECONDARY ACTUATOR KIT R.H. BLACK              |
| 163                               | 8167  | 78167WR      | SECONDARY ACTUATOR KIT R.H. SATIN WHITE        |
| 164                               | 8168  | 78168SNR     | SECONDARY ACTUATOR KIT R.H. SATIN NICKEL PVD   |
| 165                               | 8180  | 78180B       | SECONDARY ACTUATOR KIT R.H. BRASS PVD          |
| 166                               | 8169  | 78169KL      | SECONDARY ACTUATOR KIT L.H. BLACK              |
| 167                               | 8170  | 78170WL      | SECONDARY ACTUATOR KIT L.H. SATIN WHITE        |
| 168                               | 8171  | 78171SNL     | SECONDARY ACTUATOR KIT L.H. SATIN NICKEL PVD   |
| 169                               | 8181  | 78181B       | SECONDARY ACTUATOR KIT L.H. BRASS PVD          |
| 170                               | 8186  | 78186X       | 1" KEEPER                                      |
| 171                               | 8187  | 78187X       | 3/4" KEEPER                                    |

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 16-0629.05  
Expiration Date 3/18/19  
*A. Lynn Miller*  
Professional Engineer

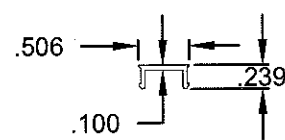


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| Revsd By: | Date:   | Revisions:  |          |
| Revsd By: | Date:   | Revisions:  |          |
| Revsd By: | Date:   | Revisions:  |          |
| Drawn By: | Date:   | Checked By: | Date:    |
| F.K.      | 8/22/07 | J.J.        | XX/XX/07 |

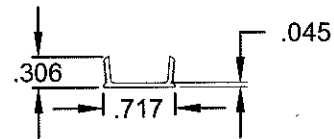
1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274



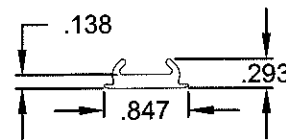
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| Title:<br><b>ALUM. SLIDING GLASS DOOR, NON-IMPACT</b> |                |                    |                        |
| Series/Model:<br>SGD680                               | Scale:<br>1/4x | Sheet:<br>18 of 20 | Drawing No.<br>8100-12 |
| Rev:<br>C                                             |                |                    |                        |



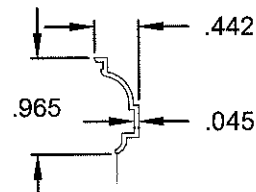
INTERLOCK TRIM COVER  
(58) MAT'L: 6063-T6  
DWG NO. 8156



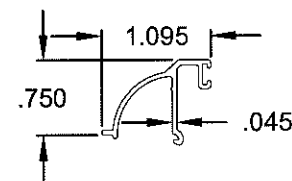
FRAME SCREW COVER  
(18) MAT'L: 6063-T6  
DWG NO. 8136



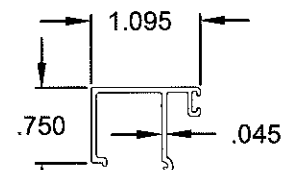
SILL MOUNTING STRIP  
(120) MAT'L: 6063-T6  
DWG NO. 8183



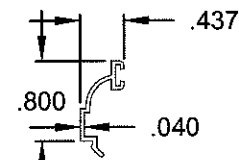
INTERIOR BEAD  
(26) MAT'L: 6063-T5  
DWG NO. 8022



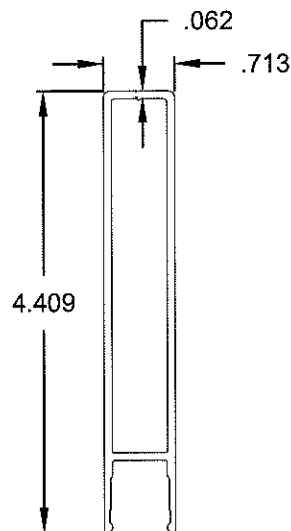
1/4" IG OG BEAD  
(34) MAT'L: 6063-T6  
DWG NO. 8144



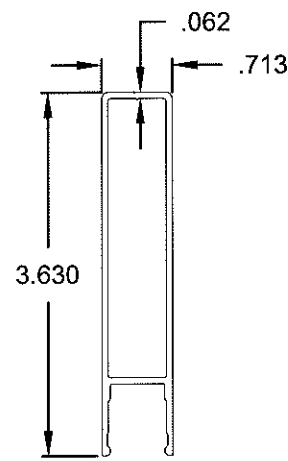
1/4" SQ BEAD  
(38) MAT'L: 6063-T6  
DWG NO. 8147



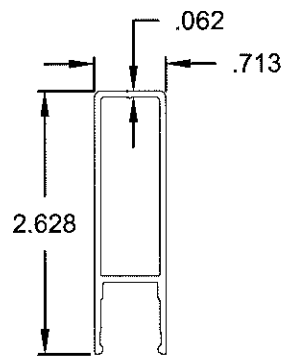
7/8" IG BEAD  
(27) MAT'L: 6063-T5  
DWG NO. 8024A



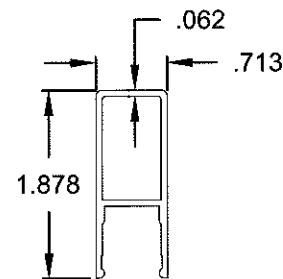
SILL RISER - 5 1/4"  
(119) MAT'L: 6063-T6  
DWG NO. 8182



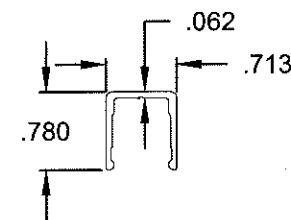
SILL RISER - 4 1/2"  
(118) MAT'L: 6063-T6  
DWG NO. 8137



SILL RISER - 3 1/2"  
(117) MAT'L: 6063-T6  
DWG NO. 8138



SILL RISER - 2 3/4"  
(116) MAT'L: 6063-T6  
DWG NO. 8138



SILL RISER - 1 5/8"  
(115) MAT'L: 6063-T6  
DWG NO. 8140

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 16-0629-05  
Expiration Date 3/18/19  
A. Lynn Miller  
Miami Door Product Control

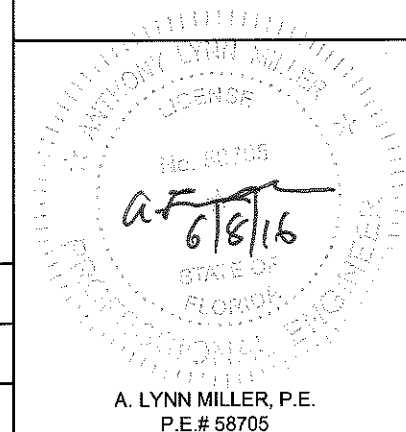
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| Revised By: | Date:   | Revisions:  |          |
| Revised By: | Date:   | Revisions:  |          |
| Revised By: | Date:   | Revisions:  |          |
| Drawn By:   | Date:   | Checked By: | Date:    |
| F.K.        | 8/22/07 | J.J.        | XX/XX/07 |

1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275

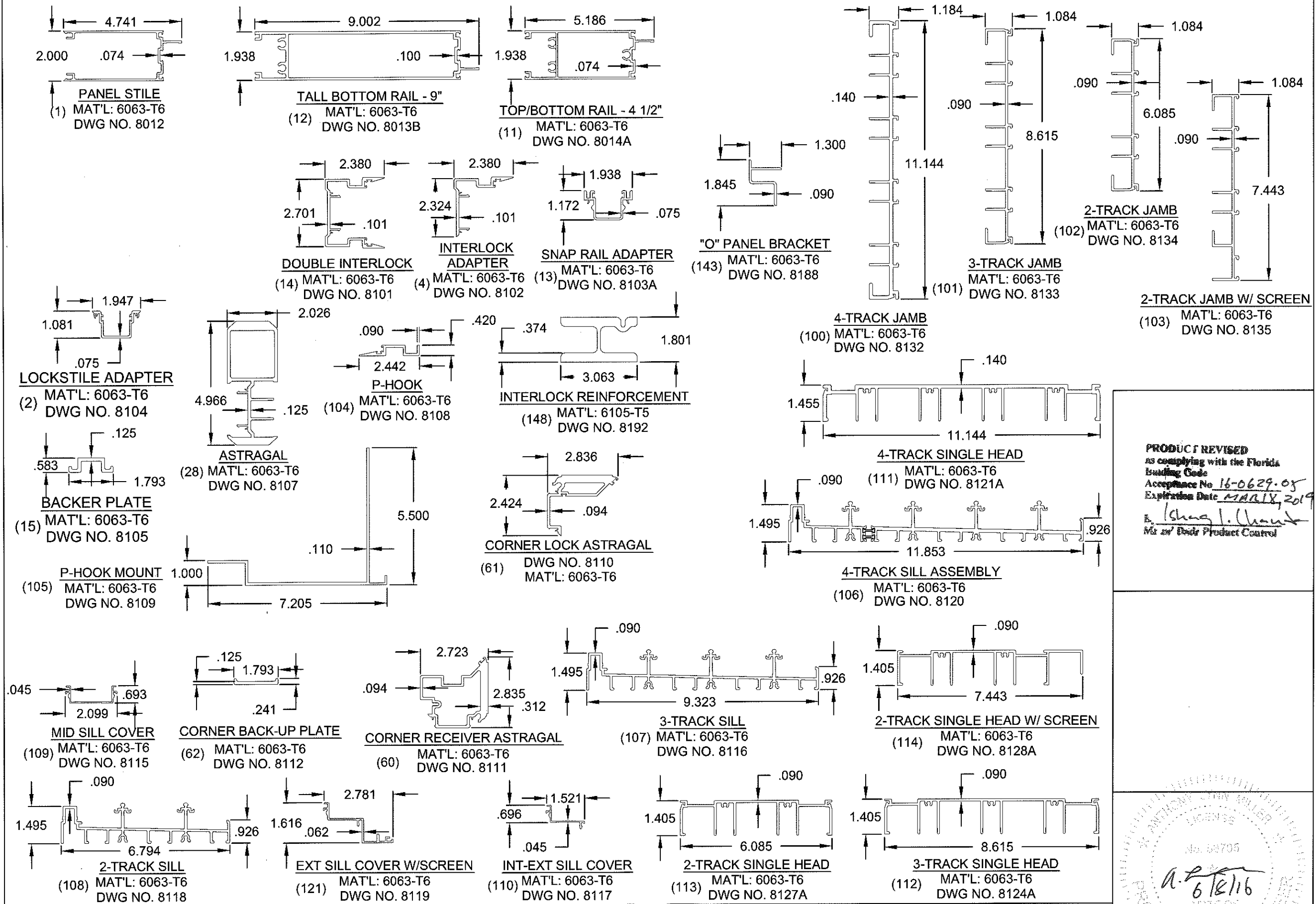
P.O. BOX 1529  
NOKOMIS, FL 34274

**PGT**  
Visibly Better

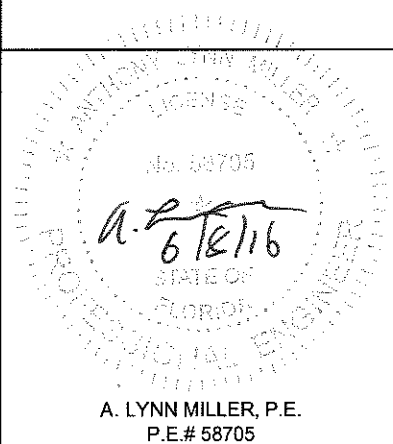
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|-------------------------------------------------------|----------------|--------------------|------------------------|-----------|
| Description:<br><b>EXTRUSIONS</b>                     |                |                    |                        |           |
| Title:<br><b>ALUM. SLIDING GLASS DOOR, NON-IMPACT</b> |                |                    |                        |           |
| Series/Model:<br>SGD680                               | Scale:<br>1/4x | Sheet:<br>19 of 20 | Drawing No.<br>8100-12 | Rev:<br>C |



A. LYNN MILLER, P.E.  
P.E.# 58705



**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 16-0629-03  
 Expiration Date MARCH 2019  
*E. Chang, L. Chang*  
 Mgr. of Prod. Control



|             |         |             |
|-------------|---------|-------------|
| Revised By: | Date:   | Revisions:  |
| Revised By: | Date:   | Revisions:  |
| Revised By: | Date:   | Revisions:  |
| Drawn By:   | Date:   | Checked By: |
| F.K.        | 8/22/07 | J.J.        |

1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275

P.O. BOX 1529  
NOKOMIS, FL 34274



Visibly Better

Description:  
**EXTRUSIONS**

Title:  
**ALUM. SLIDING GLASS DOOR, NON-IMPACT**

|                         |                |                    |                         |           |
|-------------------------|----------------|--------------------|-------------------------|-----------|
| Series/Model:<br>SGD680 | Scale:<br>1/4x | Sheet:<br>20 of 20 | Drawing No.:<br>8100-12 | Rev:<br>C |
|-------------------------|----------------|--------------------|-------------------------|-----------|