



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

MIAMI-DADE COUNTY, FLORIDA  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599

**NOTICE OF ACCEPTANCE (NOA)**

[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 “670HP” Aluminum Sliding Glass Doors w / Reinforcements**

**APPROVAL DOCUMENT:** Drawing No.PGT0003 Rev G, titled “Series 670 H.P. Aluminum SGD-NI”, sheets 1 through 10 of 10, prepared by manufacturer, dated 08/05/07 and last revised on 04/22/20, 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. See **table 1**, sheet **4** of this approved drawing set for applicable SGD unit sizes, design pressures, reinforcements, glass types, sill riser for positive DP limit and anchors requirements.
2. Applicable, egress operable doors must comply with min clear width & height requirements per FBC.

**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 # 19-1126.02** and consists of this page 1 and evidence pages E-1, E-2, E-3 & E-4, as well as approval document mentioned above.

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



*Ishaq I. Chanda*

NOA No. 20-0429.08  
Expiration Date: March 24, 2025  
Approval Date: October 08, 2020

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. Evidence submitted under previous approvals**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections (See test report below).
2. Drawing No. **PGT0003 Rev E**, titled "Series 670 H.P. Aluminum SGD-NI", sheets 1 through 10 of 10, prepared by manufacturer, dated 08/05/07 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 report on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94.  
4) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94

Along with marked-up drawings and installation diagram of Aluminum Sliding Glass Doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No **FTL-5987 and FTL-5995**, dated 08/10/09, both signed & sealed by Julio Gonzales, P.E.(submitted under **#11-1018.18/# 09-0826.14**).

3. REF test report **FTL 7825** for Alum XOX SGD per TAS 201, 202 & 203-94 (submitted under **#15-0106.07**).

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

1. Anchor verification calculations and structural analysis, complying with FBC 5<sup>th</sup> Addition (2014), prepared by manufacturer, dated 03/05/15, signed and sealed by Lynn Miller, P.E
2. Glazing complies with ASTM E-1300-02, -04 & -09.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None

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

1. Statement letter of conformance to and complying with FBC 5<sup>th</sup> Edition (2014), issued by manufacturer, dated 12/31/14, 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 # **15-0106.07**, expiring March 24, 2020.
2. Test proposal # 16-0152 dated 03/09/16 approved by RER.
3. AAMA's Technical Paper for SGD & Bi-fold doors referenced to FBC 2014 (5<sup>th</sup> edition).
4. Test proposal dated 6/4/13 & 08/12/13 approved by Jaime Gascon, P.F
5. Test proposals No(s) **09-0177, 0177-A, B & C** approved by BCCO. *Ishaq I. Chanda*

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**Ishaq I. Chanda, P. E.**  
**Product Control Unit Supervisor**  
**NOA No. 20-0429.08**  
**Expiration Date: March 24, 2025**  
**Approval Date: October 08, 2020**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. Evidence submitted under previous submittal**

**A. DRAWINGS**

1. Drawing No. **PGT0003 Rev F**, titled “Series 670 H.P. Aluminum SGD-NI”, sheets 1 through 10 of 10, prepared by manufacturer, dated 08/05/07 and last revised on 086/108/17, 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/ Fixed glass clips), prepared by Fenestration Testing Laboratory, Inc., Test Reports No(s) **FTL-7468**, dated 08/23/13, signed & sealed by Jorge A. Naya, Jr, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC 2014(5<sup>th</sup> Edition) and FBC 2017(6<sup>th</sup> Edition), prepared by manufacturer, dated 04/08/7 and last revised on 08/10/17, signed and sealed by Lynn Miller, P. E.
2. Glazing complies with ASTM E-1300-02, -04 & -09.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2014 (5<sup>th</sup> Edition) & FBC 2017 (6<sup>th</sup> Edition), issued by manufacturer, dated 08/10/17, signed and sealed by Lynn Miller, P. E.

**G. OTHER**

1. This NOA revises # **16-0629.04**, expiring March 24, 2020.

**3. Evidence submitted under previous approval.**

**A. DRAWINGS**

2. Drawing No. **PGT0003 Rev F**, titled “Series 670 H.P. Aluminum SGD-NI”, sheets 1 through 10 of 10, prepared by manufacturer, dated 08/05/07 and last revised on 086/108/17, 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/ Fixed glass clips), prepared by Fenestration Testing Laboratory, Inc., Test Reports No(s) **FTL-7468**, dated 08/23/13, signed & sealed by Jorge A. Naya, Jr, P.E.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P. E.**  
**Product Control Unit Supervisor**  
**NOA No. 20-0429.08**  
**Expiration Date: March 24, 2025**  
**Approval Date: October 08, 2020**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

- C. CALCULATIONS** (submitted under file #17-0420.10)
1. None.
  2. Glazing complies with ASTM E-1300-02, -04 & -09
- D. QUALITY ASSURANCE**
1. Miami Dade Department of Regulatory and Economic Resources (RER).
- E. MATERIAL CERTIFICATIONS**
1. None.
- F. STATEMENTS**
1. Statement letter of conformance to FBC 2014 (5<sup>th</sup> Edition) & FBC 2017 (6<sup>th</sup> Edition), issued by manufacturer, dated 08/10/17, signed and sealed by Lynn Miller, P. E.
- G. OTHER**
1. This NOA **renews # 17-0420.10**, expiring March 24, 2025.
- 4. New Evidence submitted**
- A. DRAWINGS**
1. Drawing No. **PGT0003 Rev G**, titled “Series 670 H.P. Aluminum SGD-NI”, sheets 1 through 10 of 10, prepared by manufacturer, dated 08/05/07 and last revised on 04/22/20, signed and sealed by Lynn Miller, P.E.
- B. TESTS**
1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
- along with marked-up drawings and installation diagram of all PGT Industries, Inc. representative units listed below and tested to qualify **Dowsil 791** and **Dowsil 983** silicones, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.:
- FTL-7897**, PGT PW5520 PVC Fixed Window (unit 6 in proposal), dated 09/03/14  
**FTL-20-2107.1**, PGT SGD780 Aluminum Sliding Glass Door (unit 7 in proposal) **FTL-20-2107.2**, PGT CA740 Alum. Outswing Casement Window (unit 8 in proposal) **FTL-20-2107.3**, PGT PW7620A Aluminum Fixed Window (unit 9 in proposal) and **FTL-20-2107.4**, PGT PW7620A Aluminum Fixed Window (unit 10 in proposal) dated 07/13/20, all signed and sealed by Idalmis Ortega, P.E.
- C. CALCULATIONS**
1. Anchor verification calculations and structural analysis, complying with **FBC 7<sup>th</sup> Edition (2020)**, dated 04/22/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
  2. Glazing complies with **ASTM E1300-04, -09, -12 and -16**.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P. E.**  
**Product Control Unit Supervisor**  
**NOA No. 20-0429.08**  
**Expiration Date: March 24, 2025**  
**Approval Date: October 08, 2020**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letters of conformance to FBC 2020(7<sup>th</sup> Edition), dated 04/18/20, prepared, signed & sealed by Lynn Miller, P. E.

**G. OTHER**

1. This NOA revises NOA #19-1126.02 and updates to FBC 2020 (7<sup>th</sup> Edition), expiring 03/24/25.
2. RER Test proposals #19-1155 dated 01/10/20 approved by Ishaq I. Chanda, P.E, expiring 04/14/21 expiring 04/07/25.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P. E.**  
**Product Control Unit Supervisor**  
**NOA No. 20-0429.08**  
**Expiration Date: March 24, 2025**  
**Approval Date: October 08, 2020**



# GENERAL NOTES: SERIES 670 H.P. NON-IMPACT SLIDING GLASS DOOR

|                              |   |
|------------------------------|---|
| DESIGN PRESSURE RATING       | IMPACT RATING                           |
| SEE TABLES 1 & 1A ON SHEET 4 | NOT RATED FOR MISSILE IMPACT RESISTANCE |

- GLAZING TYPE OPTIONS: (GLASS RECIPES ARE FROM EXTERIOR TO INTERIOR)
  - G1 - (1) LITE OF 3/16" TEMPERED GLASS.
  - G1A - (1) LITE OF 1/4" TEMPERED GLASS.
  - G2 - 1" I.G.: (1) LITE OF 3/16" TEMPERED GLASS + 5/8" AIR SPACE + (1) LITE OF 3/16" TEMPERED GLASS.
  - G2A - 1" I.G.: (1) LITE OF 1/4" TEMPERED GLASS + 1/2" AIR SPACE + (1) LITE OF 1/4" TEMPERED GLASS.
- DESIGN PRESSURES: 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.  
 C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.
- 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 6 & 7.
- SHUTTERS ARE REQUIRED PER FBC REQUIREMENTS, AS APPLICABLE.
- INSTALLATION SCREWS, FRAME AND PANEL CORNERS TO BE SEALED WITH NARROW JOINT SEALANT. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.
- REFERENCES: TEST REPORTS FTL-5987, FTL-5995 AND FTL-7825; DEWALT ULTRACON+ NOA; ELCO ULTRACON NOA; DEWALT/ELCO CRETEFLEX NOA AND AGGREGATOR NOA; ANSI/AF&PA NDS FOR WOOD CONSTRUCTION AND ADM, ALUMINUM DESIGN MANUAL.
- THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DOOR SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER FLORIDA BUILDING CODE, AS APPLICABLE.

**CODES / STANDARDS USED:**

- 2020 FLORIDA BUILDING CODE (FBC), 7TH EDITION
- 2017 FLORIDA BUILDING CODE (FBC), 6TH EDITION
- ASTM E1300-09
- ANSI/AF&PA NDS-2018 FOR WOOD CONSTRUCTION
- ALUMINUM DESIGN MANUAL, ADM-2015
- AISI S100-16
- AISC 360-16

**9. CONFIGURATIONS:**

STRAIGHT DOORS - MAXIMUM 2 TRACKS BY 9 FT. (108") HIGH WITH A MAXIMUM OF FOUR 4 FT. NOMINAL WIDE DOOR PANELS. SEE EXAMPLE ELEVATION AND PANEL CONFIGURATIONS ON SHEET 7.

D.L.O. WIDTH = NOMINAL PANEL WIDTH - 7"  
 D.L.O. HEIGHT = NOMINAL PANEL HEIGHT - 8.25"

NOTES PERTAINING TO ANCHORAGE DETAILS ON SHEET 5-6:

- FOR CONCRETE/CMU SUBSTRATE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED ANCHORS. SEE TABLE A ON THIS SHEET FOR EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS.
- FOR OTHER SUBSTRATE APPLICATIONS SEE TABLE ON THIS SHEET.
- 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. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
- METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.
- IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, MAX. 1/4" THICK & 3400 PSI MIN., (DONE BY OTHERS) MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE, 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.

TABLE A:

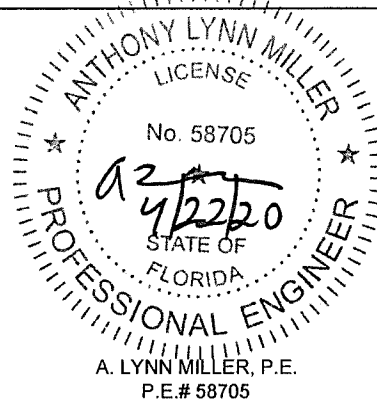
| Anchor Group               | Anchor Type   | Frame Member               | Substrate                 | Min. Edge Distance       | Min. O.C. Distance | Min. Embedment or Metal Thickness |
|----------------------------|---|----------------------------|---------------------------|--------------------------|--------------------|-----------------------------------|
| A                          | #12 18-8 or 410 SS SMS (min. of 3 threads beyond metal substrate) | All                        | Southern Pine (SG = 0.55) | 9/16"                    | 7/8"               | 1-3/8"                            |
|                            |   |                            | 6063-T5 Aluminum          | 3/8"                     | 9/16"              | 0.071" (20 Ga)                    |
|                            |   |                            | A36 Steel                 | 3/8"                     | 9/16"              | 0.050"                            |
|                            |   |                            | Gr. 33 Steel Stud         | 3/8"                     | 9/16"              | 0.045" (18 Ga)                    |
|                            | 1/4" Elco Aggre-Gator   | All                        | Concrete (min. 2.22 ksi)  | 1-1/2"                   | 3"                 | 1-3/8"                            |
|                            |   | Jamb                       | Filled Block (ASTM C90)   | 2"                       | 3"                 | 2"                                |
| Jamb                       |   | Hollow Block (ASTM C90)    | 2"                        | 3"                       | 1-1/4"             |                                   |
| B                          | #12 Steel SMS (Gr. 5) (min. of 3 threads beyond metal substrate)  | All                        | Southern Pine (SG = 0.55) | 9/16"                    | 7/8"               | 1-3/8"                            |
|                            |   |                            | 6063-T5 Aluminum          | 3/8"                     | 9/16"              | 0.071" (20 Ga)                    |
|                            |   |                            | A36 Steel                 | 3/8"                     | 9/16"              | 0.050"                            |
|                            |   |                            | Gr. 33 Steel Stud         | 3/8"                     | 9/16"              | 0.045" (18 Ga)                    |
|                            | 1/4" Elco UltraCon  | All                        | Concrete (min. 2.85 ksi)  | 1"                       | 4"                 | 1-3/8"                            |
|                            |   | Jamb                       | Hollow Block (ASTM C90)   | 1"                       | 6"                 | 1-1/4"                            |
| 1/4" DeWalt UltraCon® +    |   | Head / Sill                | Concrete (min. 3 ksi)     | 1-5/16"                  | 4"                 | 1-3/8"                            |
|                            |   | Jamb                       | Concrete (min. 3 ksi)     | 1"                       | 4"                 | 1-3/8"                            |
| C                          | 1/4" Elco UltraCon  | Jamb                       | Hollow Block (ASTM C90)   | 1"                       | 3"                 | 1-1/4"                            |
|                            |   | All                        | Southern Pine (SG = 0.55) | 1"                       | 1"                 | 1-3/8"                            |
|                            |   | 1/4" 410 SS Elco CreteFlex | All                       | Concrete (min. 2.85 ksi) | 2-1/2"             | 4"                                |
|                            | Jamb  |                            | Filled Block (ASTM C90)   | 2-1/2"                   | 4"                 | 1-3/4"                            |
|                            | Jamb  |                            | Hollow Block (ASTM C90)   | 2-1/2"                   | 6"                 | 1-1/4"                            |
|                            | D   | 1/4" Elco UltraCon         | Head / Sill               | Concrete (min. 3.35 ksi) | 1"                 | 4"                                |
| Jamb                       |   |                            | Concrete (min. 3.35 ksi)  | 1"                       | 6"                 | 1-3/4"                            |
| 1/4" 410 SS Elco CreteFlex |   | Jamb                       | Hollow Block (ASTM C90)   | 2-1/2"                   | 6"                 | 1-1/4"                            |
|                            |   | All                        | Southern Pine (SG = 0.55) | 1"                       | 1"                 | 1-3/8"                            |

- WHERE SUBSTRATE CONDITIONS REQUIRE ANCHORAGE FROM MORE THAN ONE OF THE ANCHOR GROUPS ABOVE, CHOOSE THE ANCHOR GROUP OF THE LOWEST LETTER FOR ALL TABLES IN THIS APPROVAL.
- ALL ANCHOR HEAD TYPES ARE APPLICABLE.
- FOR THE MINIMUM STRENGTHS OF ANCHORS AND SUBSTRATES, SEE TABLE 3, SHEET 9.
- HOLLOW BLOCK VALUES MAY ALSO BE USED IN FILLED BLOCK APPLICATIONS.
- ANCHORS MUST BE OF SUFFICIENT LENGTH SO THAT A MINIMUM OF 3 THREADS EXTEND BEYOND METAL SUBSTRATE.

SHEET

GENERAL NOTES..... 1  
 ELEVATIONS.....2  
 GLAZING DETAILS..... 3  
 ANCHORAGE.....4-6  
 DESIGN PRESSURES..... 4  
 ELEVATIONS..... 7  
 CONFIGURATIONS..... 7  
 VERT. SECTIONS..... 8  
 HORIZ. SECTIONS..... 8  
 PARTS LIST..... 9  
 EXTRUSIONS..... 10

**PRODUCT REVISED**  
 as complying with the Florida Building Code  
**NOA-No. 20-0429.08**  
**Expiration Date: 03/24/2025**  
 By: Ismael C. Chanda  
**Miami-Dade Product Control**

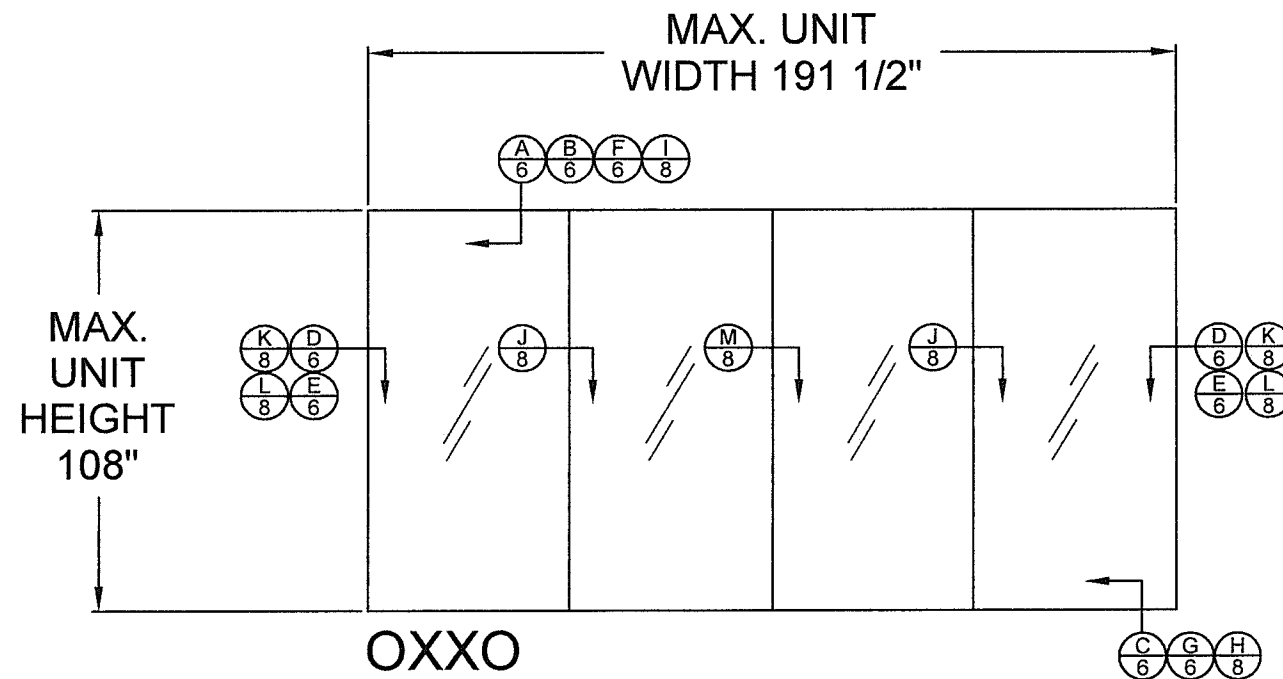
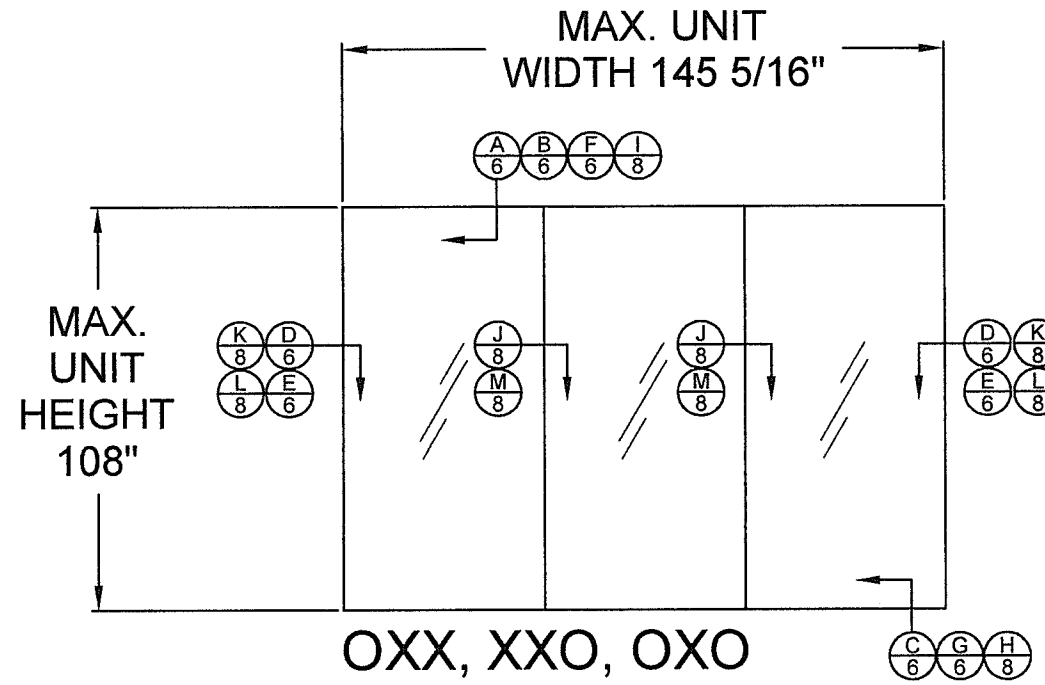
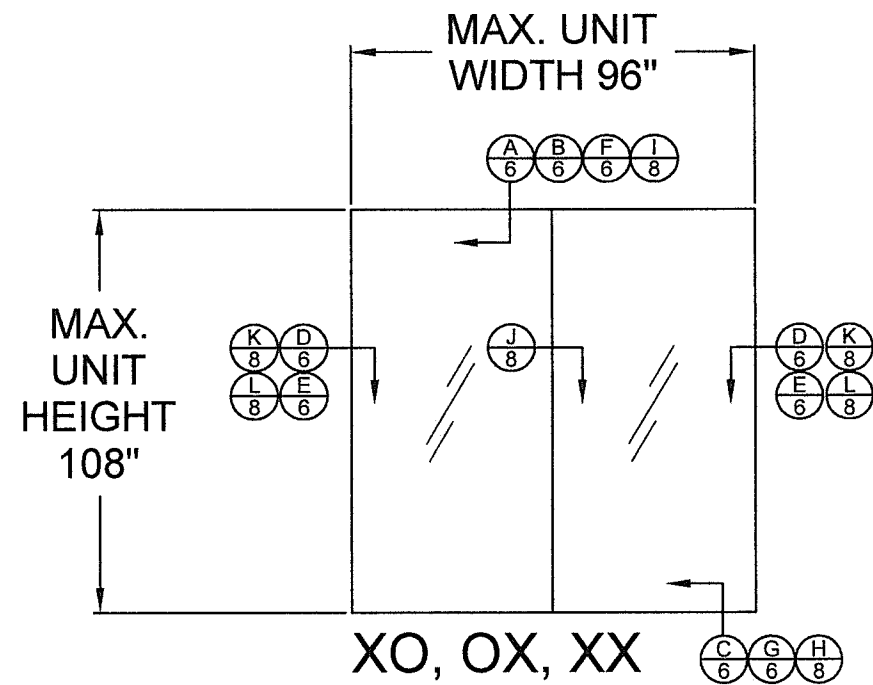


|                |                |                 |   |
|----------------|----------------|-----------------|---|
| Revised By: JR | Date: 03/21/20 | Revisions: G    | UPDATED TO FBC 2020, ANCHOR TYPE TABLE. |
| Drawn By: SMC  | Date: 08/05/07 | Checked By: RJA | Date:                                   |

1070 TECHNOLOGY DRIVE  
 N. VENICE, FL 34275  
 (941) 480-1600  
 REGISTRATION #29296

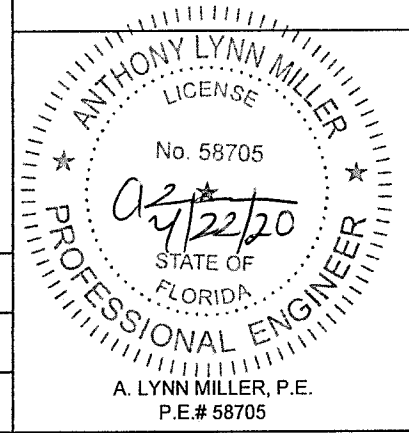


|  |                   |                       |                            |
|--|-------------------|-----------------------|----------------------------|
| Description: <b>GENERAL NOTES AND MAP</b>            |                   |                       |                            |
| Title: <b>SERIES 670 H.P. ALUM. SGD - NON-IMPACT</b> |                   |                       |                            |
| Series/Model: <b>SGD670 H.P.</b>                     | Scale: <b>NTS</b> | Sheet: <b>1 of 10</b> | Drawing No. <b>PGT0003</b> |
|  |                   |                       | Rev: <b>G</b>              |



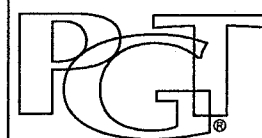
**APPROVED CONFIGURATIONS**

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 NOA-No. **20-0429.08**  
 Expiration Date: **03/24/2025**  
 By: Isaac I. Chan  
 Miami-Dade Product Control

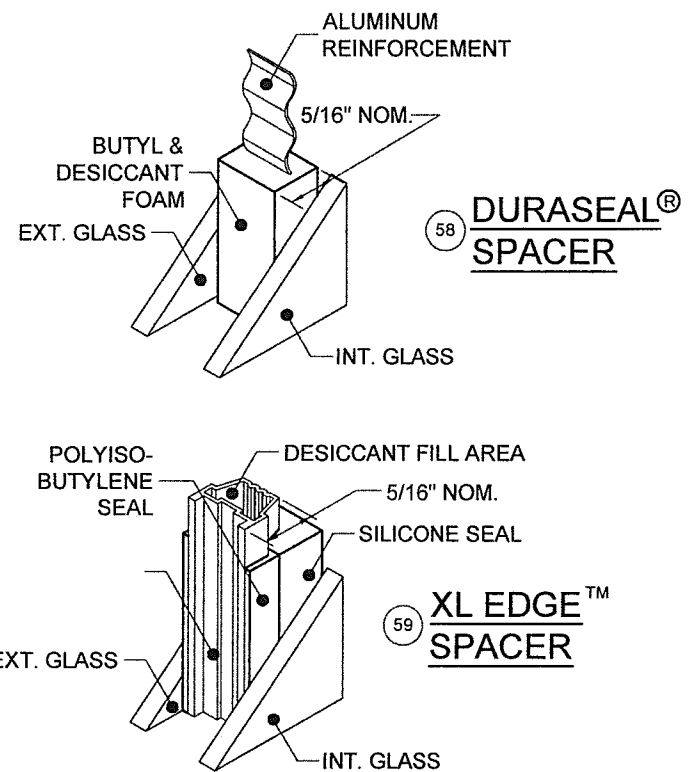
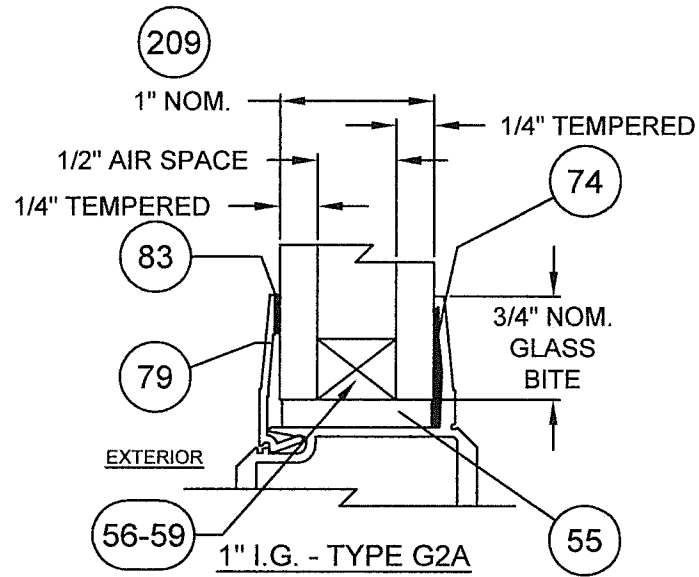
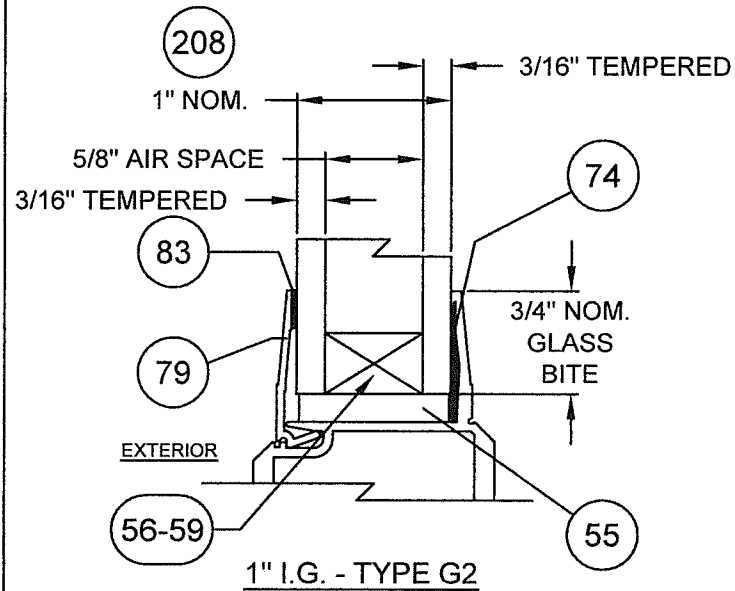
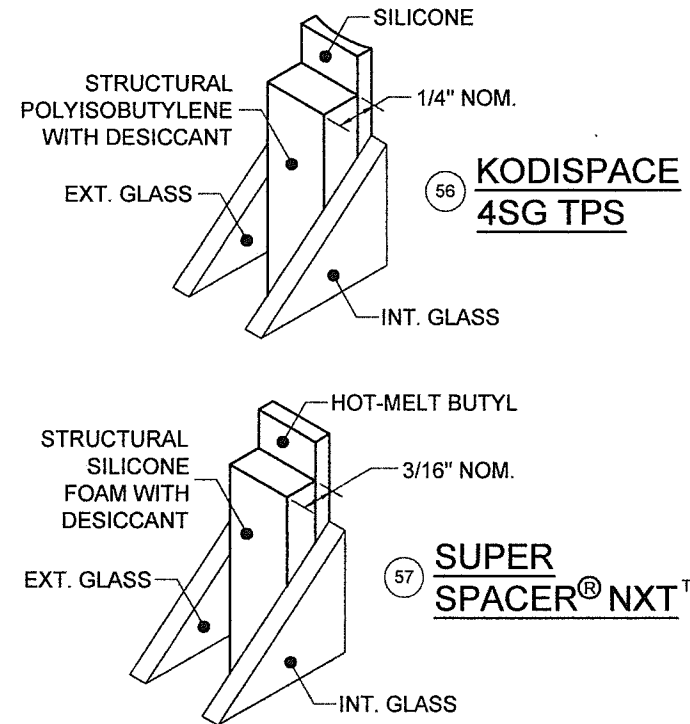
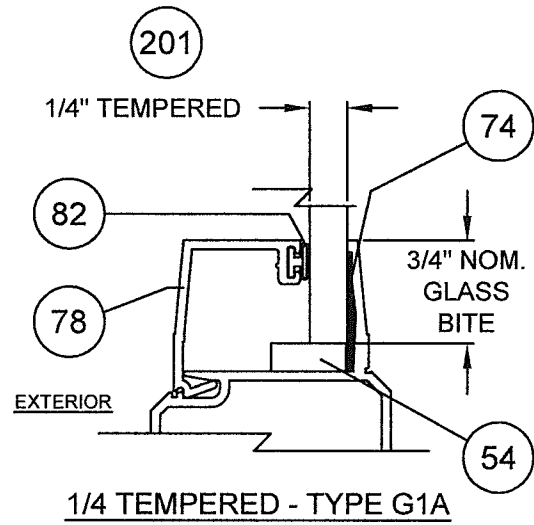
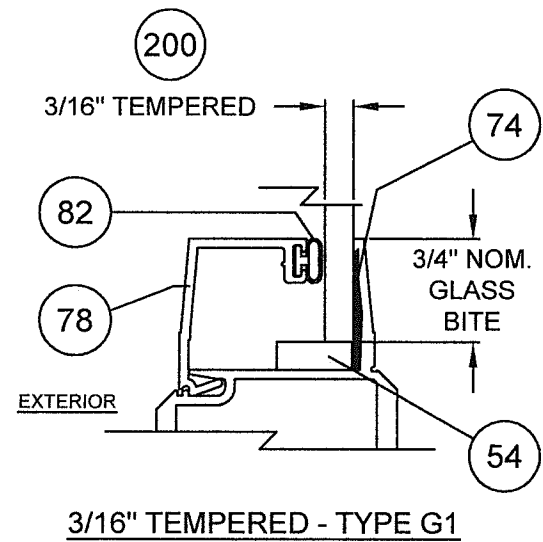


|             |          |             |                        |
|-------------|----------|-------------|------------------------|
| Revised By: | Date:    | Revisions:  |                        |
| JR          | 03/21/20 | G           | NO CHANGES THIS SHEET. |
| Drawn By:   | Date:    | Checked By: | Date:                  |
| SMC         | 08/05/09 | RJA         |                        |

1070 TECHNOLOGY DRIVE  
 N. VENICE, FL 34275  
 (941) 480-1600  
 REGISTRATION #29296



|   |        |         |              |
|---|--------|---------|--------------|
| Description:                                  |        |         |              |
| <b>ELEVATIONS</b>                             |        |         |              |
| Title:  |        |         |              |
| <b>SERIES 670 H.P. ALUM. SGD - NON-IMPACT</b> |        |         |              |
| Series/Model:                                 | Scale: | Sheet:  | Drawing No.: |
| SGD670 H.P.                                   | NTS    | 2 of 10 | PGT0003      |
| Rev:  |        |         |              |
| G   |        |         |              |



| Part # | Description                                 | Material                     |
|--------|---|------------------------------|
| 56     | Kommerling 4SG TPS Spacer System            | See this Sheet for Materials |
| 57     | Quanex Super Spacer nXT with Hot Melt Butyl |                              |
| 58     | Quanex Duraseal Spacer                      |                              |
| 59     | Cardinal XL Edge Spacer                     |                              |

REFERENCE TEST REPORTS: FTL-8717, 8968 & 8970

**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. **20-0429.08**  
Expiration Date: **03/24/2025**  
By: Ishay I. Chank  
Miami-Dade Product Control

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
02/22/20  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
P.E.# 58705

|               |                |                 |                        |
|---------------|----------------|-----------------|------------------------|
| Revsd By: JR  | Date: 03/21/20 | Revisions: G    | NO CHANGES THIS SHEET. |
| Drawn By: SMC | Date: 08/05/09 | Checked By: RJA | Date:                  |

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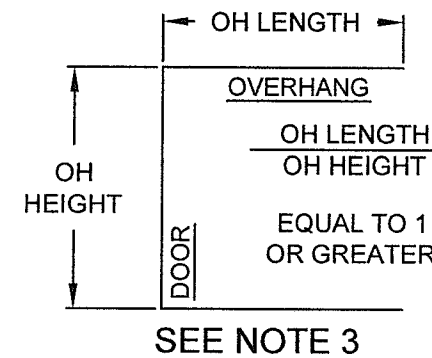
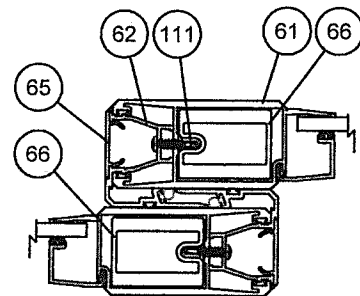
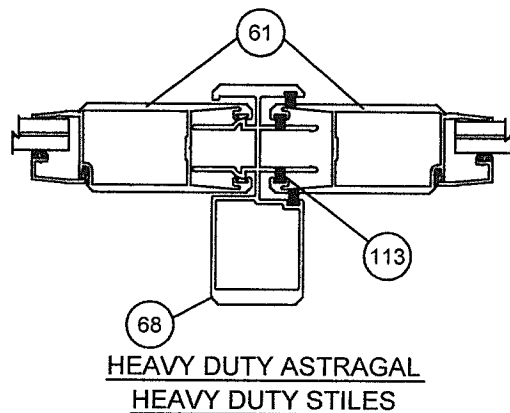
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|---|---------------|-------------------|-------------------------|
| Description:<br><b>GLAZING DETAILS</b>                  |               |                   |                         |
| Title:<br><b>SERIES 670 H.P. ALUM. SGD - NON-IMPACT</b> |               |                   |                         |
| Series/Model:<br>SGD670 H.P.                            | Scale:<br>NTS | Sheet:<br>3 of 10 | Drawing No.:<br>PGT0003 |
|   |               |                   | Rev:<br>G               |



TABLE 1:

| Table applies to all Glass Types, unless noted otherwise, and the Stile/Astragal types shown on this sheet. Positive (+) DP may be limited by Table 1A. |         | Design Pressure (DP) and Anchor Quantities Required<br>(For all approved Configurations, Sheet 2 and Glass Types, Sheet 3) |                 |          |      |              |          |          |      |              |          |            |      |              |          |            |      |              |  |            |      |              |  |  |      |      |      |
|---|---------|--|-----------------|----------|------|--------------|----------|----------|------|--------------|----------|------------|------|--------------|----------|------------|------|--------------|--|------------|------|--------------|--|--|------|------|------|
|   |         | Door Unit Height   |                 |          |      |              |          |          |      |              |          |            |      |              |          |            |      |              |  |            |      |              |  |  |      |      |      |
|   |         | 80"  |                 |          |      | 84"          |          |          |      | 90"          |          |            |      | 96"          |          |            |      | 102"         |  |            |      | 108"         |  |  |      |      |      |
|   |         | 69-7/8" DLO  |                 |          |      | 73-7/8" DLO  |          |          |      | 79-7/8" DLO  |          |            |      | 87-7/8" DLO  |          |            |      | 91-7/8" DLO  |  |            |      | 97-7/8" DLO  |  |  |      |      |      |
| Nominal Panel Width (in)  |         | Anchor Group   |                 |          |      | Anchor Group |          |          |      | Anchor Group |          |            |      | Anchor Group |          |            |      | Anchor Group |  |            |      | Anchor Group |  |  |      |      |      |
|   |         | A  | B               | C        | D    | A            | B        | C        | D    | A            | B        | C          | D    | A            | B        | C          | D    | A            | B  | C          | D    | A            | B  | C  | D    |      |      |
| 24"   | 17" DLO | Design Pressure  | +90/-209        |          |      |              | +90/-209 |          |      |              | +90/-209 |            |      |              | +90/-209 |            |      |              | +90/-205.3   |            |      |              | +90/-192.5   |  |      |      |      |
|   |         | Head/Sill  | C6+2            | C6+2     | C6+2 | C6+2         | C6+2     | C6+2     | C6+2 | C6+2         | C7+2     | C7+2       | C7+2 | C7+2         | C7+2     | C7+2       | C7+2 | C7+2         | C8+2   | C8+2       | C7+2 | C7+2         | C8+2   | C8+2   | C7+2 | C7+2 |      |
|   |         | Jamb   | 14              | 12       | 10   | 8            | 16       | 12       | 10   | 8            | 18       | 14         | 10   | 10           | 18       | 14         | 12   | 10           | 20   | 16         | 12   | 10           | 20   | 16   | 12   | 10   |      |
|   | 30"     | 23" DLO  | Design Pressure | +90/-209 |      |              |          | +90/-209 |      |              |          | +90/-197.1 |      |              |          | +90/-182.5 |      |              |  | +90/-169.9 |      |              |  | +90/-159   |      |      |      |
|   |         |  | Head/Sill       | C7+2     | C7+2 | C7+2         | C7+2     | C8+2     | C8+2 | C7+2         | C7+2     | C8+2       | C8+2 | C7+2         | C7+2     | C8+2       | C8+2 | C7+2         | C7+2   | C8+2       | C8+2 | C7+2         | C7+2   | C8+2   | C8+2 | C7+2 | C7+2 |
|   |         |  | Jamb            | 18       | 14   | 12           | 10       | 18       | 16   | 12           | 10       | 20         | 16   | 12           | 10       | 20         | 16   | 12           | 10   | 20         | 16   | 12           | 10   | 20   | 16   | 12   | 10   |
|   | 36"     | 29" DLO  | Design Pressure | +90/-171 |      |              |          | +90/-164 |      |              |          | +90/-157   |      |              |          | +90/-151   |      |              |  | +90/-146   |      |              |  | +90/-136.9   |      |      |      |
|   |         |  | Head/Sill       | C7+2     | C7+2 | C6+2         | C6+2     | C7+2     | C7+2 | C7+2         | C7+2     | C7+2       | C7+2 | C7+2         | C7+2     | C8+2       | C8+2 | C7+2         | C7+2   | C8+2       | C8+2 | C7+2         | C7+2   | C8+2   | C8+2 | C7+2 | C7+2 |
|   |         |  | Jamb            | 16       | 14   | 10           | 8        | 16       | 14   | 10           | 8        | 18         | 14   | 12           | 10       | 18         | 14   | 12           | 10   | 20         | 16   | 12           | 10   | 20   | 16   | 12   | 10   |
|   | 42"     | 35" DLO  | Design Pressure | +90/-153 |      |              |          | +90/-142 |      |              |          | +90/-128   |      |              |          | +90/-118   |      |              |  | +90/-110   |      |              |  | +90/-104, Glass Type G1<br>+90/-121.4, Glass Type G1A, G2, G2A |      |      |      |
|   |         |  | Head/Sill       | C7+3     | C7+3 | C6+3         | C6+3     | C7+3     | C7+3 | C6+2         | C6+2     | C7+2       | C7+2 | C6+2         | C6+2     | C7+2       | C7+2 | C6+2         | C6+2   | C7+2       | C7+2 | C6+2         | C6+2   | C8+2   | C8+2 | C7+2 | C7+2 |
|   |         |  | Jamb            | 16       | 14   | 10           | 8        | 16       | 14   | 10           | 8        | 16         | 14   | 10           | 10       | 16         | 14   | 10           | 10   | 16         | 14   | 10           | 10   | 20   | 16   | 12   | 10   |
| 48"   | 41" DLO | Design Pressure  | +90/-151        |          |      |              | +90/-140 |          |      |              | +90/-124 |            |      |              | +90/-113 |            |      |              | +90/-103, Glass Type G1<br>+90/-118.5, Glass Type G1A, G2, G2A |            |      |              | +90/-104, Glass Type G1<br>+90/-110, Glass Type G1A, G2, G2A |  |      |      |      |
|   |         | Head/Sill  | C7+3            | C7+3     | C7+3 | C7+3         | C7+3     | C7+3     | C7+3 | C7+3         | C7+3     | C7+3       | C7+3 | C7+3         | C7+3     | C7+3       | C7+3 | C7+3         | C8+3   | C8+3       | C7+3 | C7+3         | C8+3   | C8+3   | C7+2 | C7+2 |      |
|   |         | Jamb   | 18              | 14       | 12   | 10           | 18       | 14       | 10   | 10           | 18       | 14         | 10   | 10           | 16       | 14         | 10   | 10           | 20   | 16         | 12   | 10           | 20   | 16   | 12   | 10   |      |

EXAMPLE ON SHEET 5



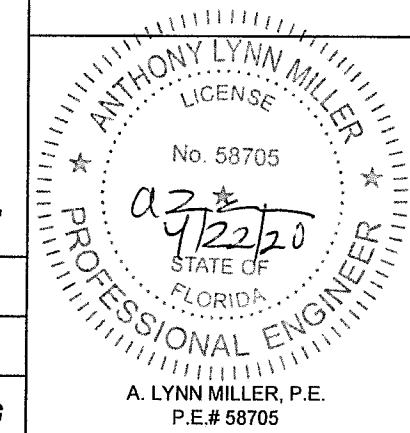
| SILL RISE HEIGHT | (+) DESIGN LOAD |
|------------------|-----------------|
| FLUSH 1-1/2"     | N/A             |
| LOW 2-1/2"       | + 46.67 PSF     |
| MED 3-1/4"       | + 60.0 PSF      |
| HIGH 4"          | + 90.0 PSF      |

SEE NOTES 1-3

1. POSITIVE PRESSURES IN TABLE ARE BASED ON THE USE OF THE 4" SILL.
2. WHEN USING THE 2 1/2" SILL, POSITIVE DP IS 46.67 PSF MAX. AND WITH THE 3 1/4" SILL, POSITIVE PRESSURES IS 60.0 PSF MAX. (NEGATIVE PRESSURES UNCHANGED). SEE TABLE 1A ON THIS SHEET.
3. 2 1/2", 3 1/4" AND 4" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS THE 1 1/2" SILL IS NOT AND MUST ONLY BE USED WHERE WATER RESISTANCE IS NOT REQUIRED. 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. SEE SHEETS 6 & 7 FOR ANCHORAGE SPACING AND EMBEDMENT INFORMATION.
5. DOOR SIZE TO COMPLY WITH FBC EGRESS REQUIREMENTS.

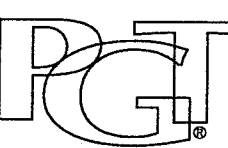
DLO WIDTH = NOM. PANEL WIDTH - 7"  
DLO HEIGHT = NOM. PANEL HEIGHT - 8.25"

**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. **20-0429.08**  
Expiration Date: **03/24/2025**  
By: Isaac I. Chan  
Miami-Dade Product Control



|                |                |              |                        |
|----------------|----------------|--------------|------------------------|
| Revised By: JR | Date: 03/21/20 | Revisions: G | NO CHANGES THIS SHEET. |
| Drawn By: SMC  | Date: 8/5/09   | Checked By:  | Date:                  |

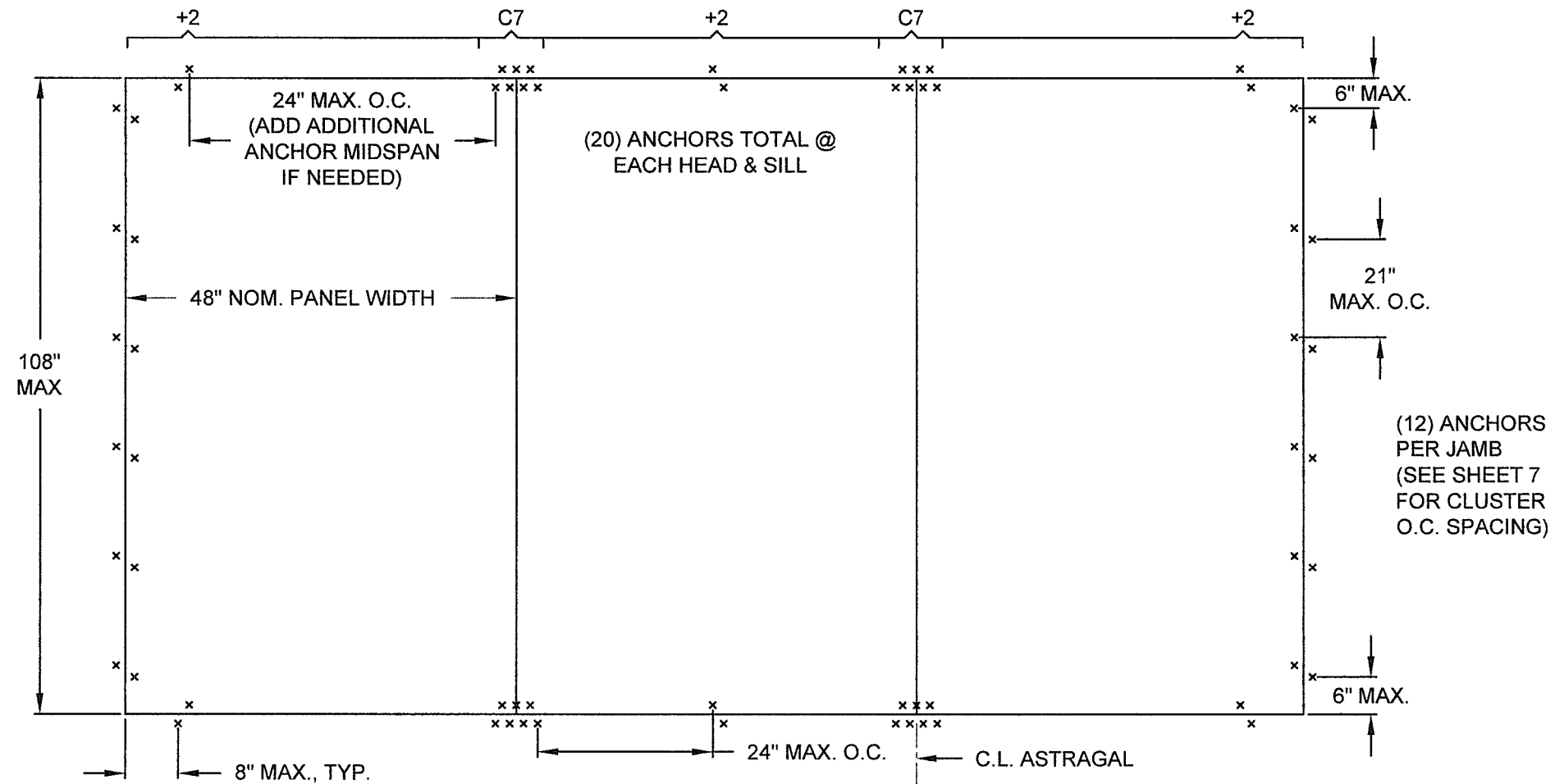
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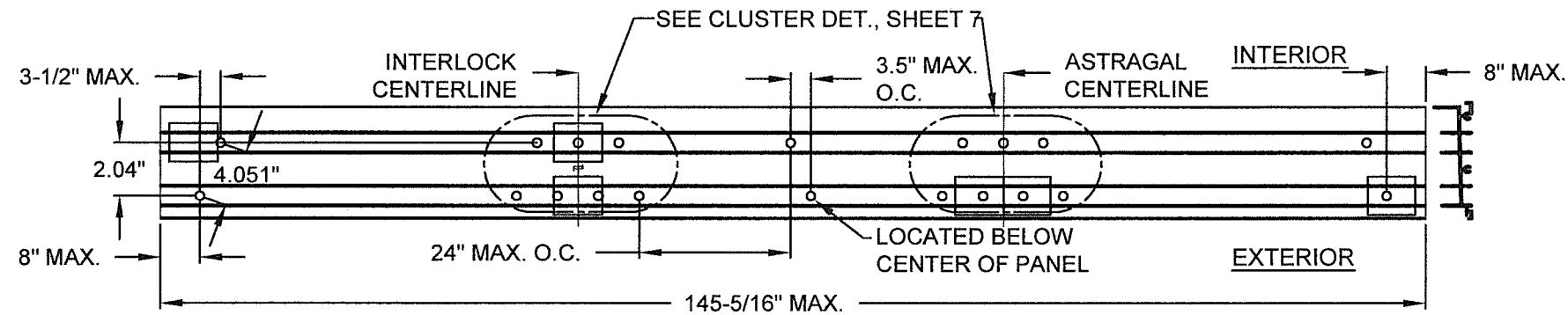
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|---|---------------|-------------------|------------------------|
| Description:<br><b>DP AND ANCHORAGE CHART</b>           |               |                   |                        |
| Title:<br><b>SERIES 670 H.P. ALUM. SGD - NON-IMPACT</b> |               |                   |                        |
| Series/Model:<br>SGD670 H.P.                            | Scale:<br>NTS | Sheet:<br>4 of 10 | Drawing No.<br>PGT0003 |
| Rev:  |               |                   | G                      |

**EXAMPLE OXX ANCHORAGE PLAN:**

(3) PANEL, 48" x 108" DOOR FROM TABLE ON SHEET 4, ANCHOR TYPES C IN CONCRETE SUBSTRATE



"ANCHORS PER PANEL" ARE THOSE AT THE HEAD AND SILL BETWEEN CLUSTERS OR THOSE BETWEEN A CLUSTER AND A FRAME JAMB.



**ANCHORAGE REQUIREMENTS NOTES:**

1. APPROVED ANCHOR TYPES: SEE TABLE A, SHEET 1.
2. ANCHOR LOCATION SPACING FOR ANCHOR QUANTITIES SPECIFIED IN TABLE 1 ON SHEET 4:

HEAD & SILL..... 8" MAX. FROM FRAME CORNERS. USE SPECIFIED CLUSTER FROM TABLE ON SHEET 4 AT EACH INTERLOCK AND ASTRAGAL LOCATION, PLUS SPECIFIED QUANTITY OF ADDITIONAL INTERMEDIATE ANCHORS PER PANEL (THE 8" FROM CORNER ANCHORS CAN BE INCLUDED). ADDITIONAL ANCHORS 24" MAX. ON CENTER. SEE EXAMPLE ANCHORAGE PLANS ABOVE AND EXAMPLE CLUSTERS AT ASTRAGAL / INTERLOCKS ON SHEET 7.

JAMBS..... 6" MAX. FROM BOTTOM AND 21" MAX. O.C. UTILIZING JAMB ANCHOR QUANTITIES FROM TABLE ON SHEET 4.

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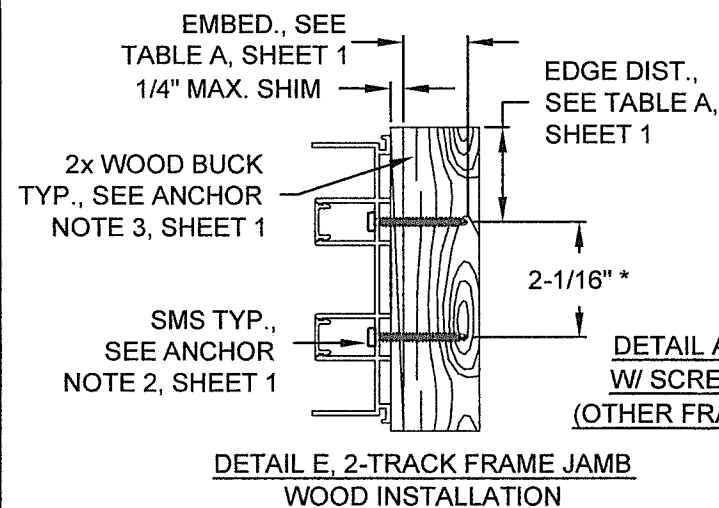
Description: **ANCHORAGE SPACING & EXAMPLE PLANS**  
Title: **SERIES 670 H.P. ALUM. SGD - NON-IMPACT**  
Series/Model: **SGD670 H.P.** Scale: **NTS** Sheet: **5 of 10** Drawing No.: **PGT003** Rev: **G**

**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. **20-0429.08**  
Expiration Date: **03/24/2025**  
By: *Isaac I. Chank*  
Miami-Dade Product Control

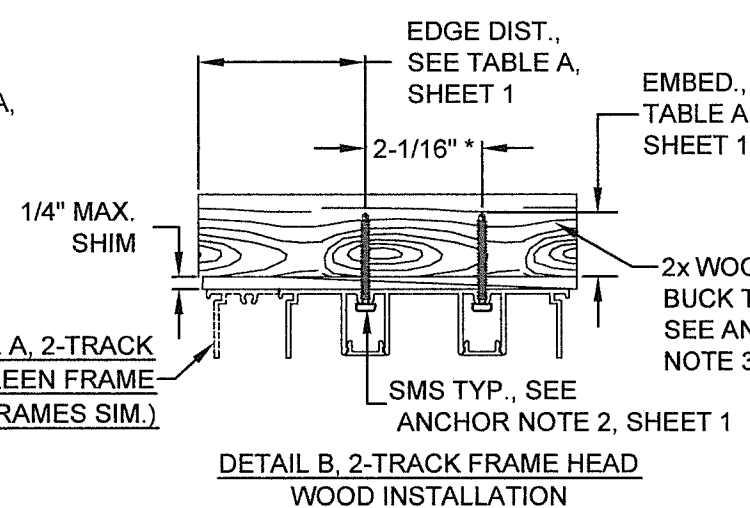
A. LYNN MILLER, P.E.  
P.E.# 58705

|                |                |                 |                        |
|----------------|----------------|-----------------|------------------------|
| Revised By: JR | Date: 03/21/20 | Revisions: G    | NO CHANGES THIS SHEET. |
| Drawn By: SMC  | Date: 08/05/09 | Checked By: RJA | Date:                  |

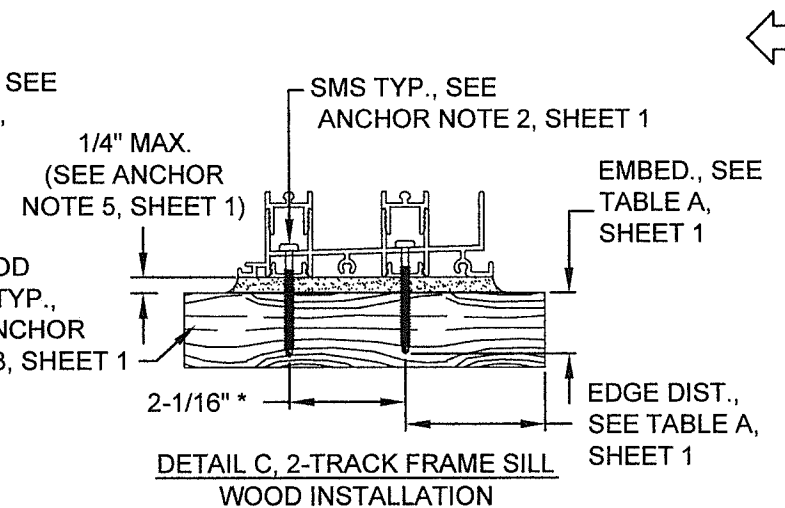
← EXTERIOR INTERIOR →  
(ALL VERT. SECTIONS)



**DETAIL E, 2-TRACK FRAME JAMB  
WOOD INSTALLATION**

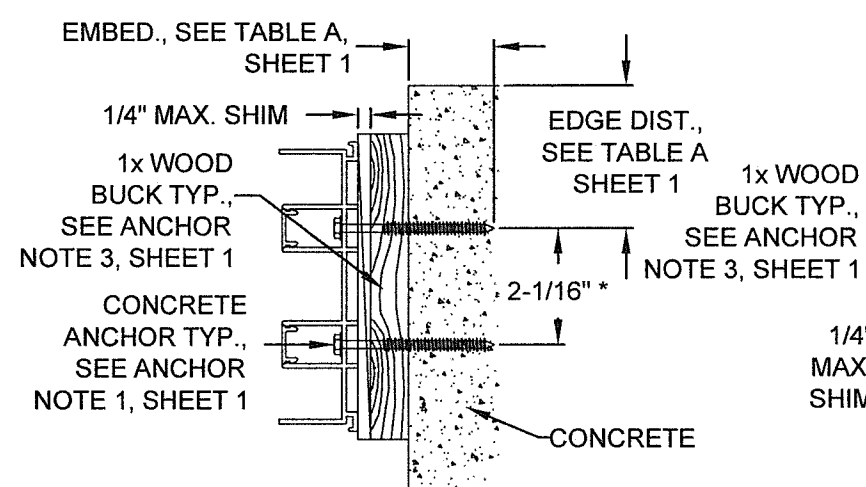


**DETAIL B, 2-TRACK FRAME HEAD  
WOOD INSTALLATION**

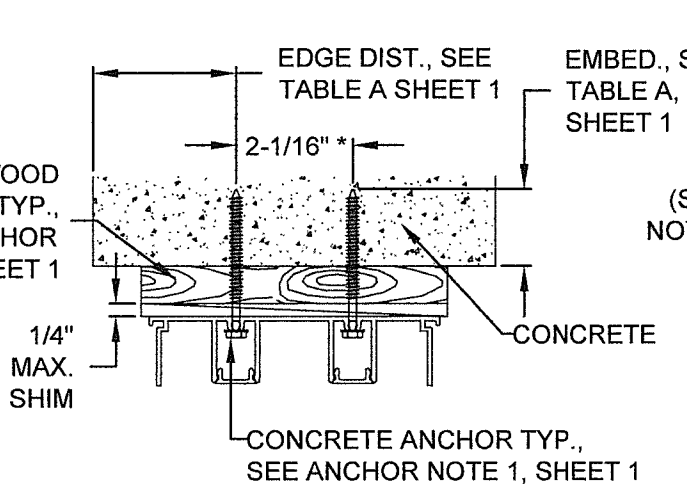


**DETAIL C, 2-TRACK FRAME SILL  
WOOD INSTALLATION**

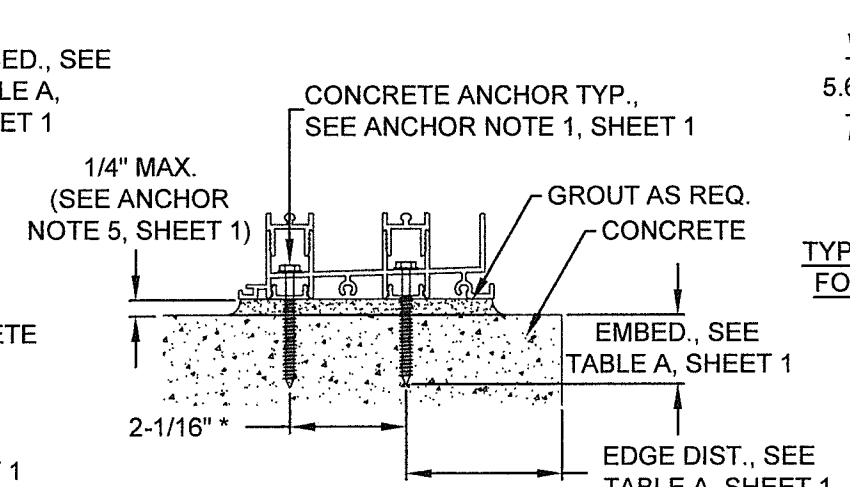
**NOTES:**  
1. ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.  
2. METAL SUBSTRATES SIMILAR TO WOOD SUBSTRATES AS SHOWN.  
\* DIAGONAL, O.C. DIMENSION IS 4.051" IN THE HEAD & SILL, 6" IN THE JAMB.



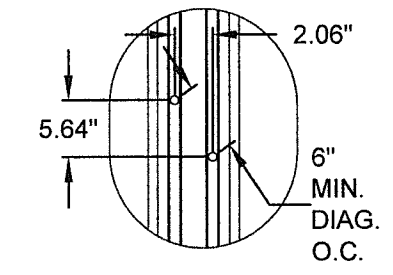
**DETAIL D, 2-TRACK FRAME JAMB  
CONCRETE INSTALLATION**



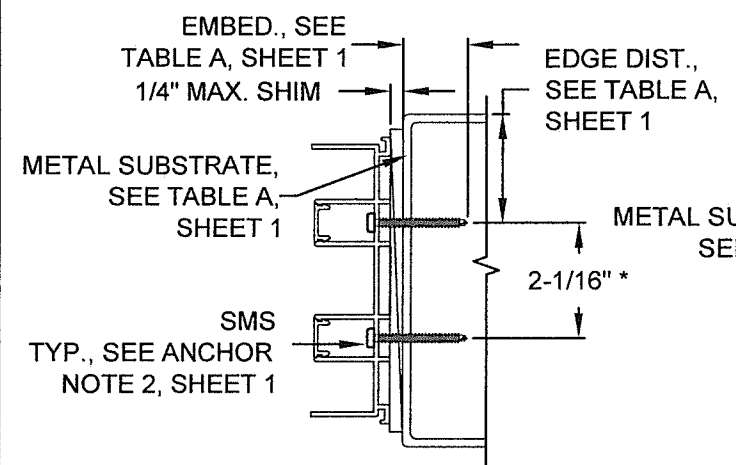
**DETAIL F, 2-TRACK FRAME HEAD  
CONCRETE INSTALLATION**



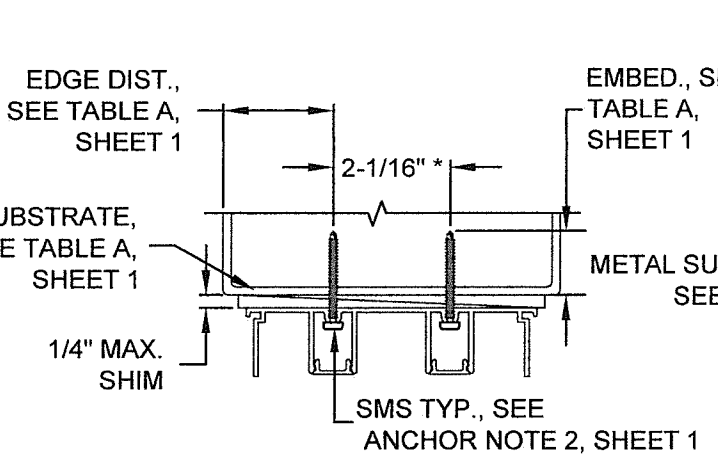
**DETAIL G, 2-TRACK FRAME SILL  
CONCRETE INSTALLATION**



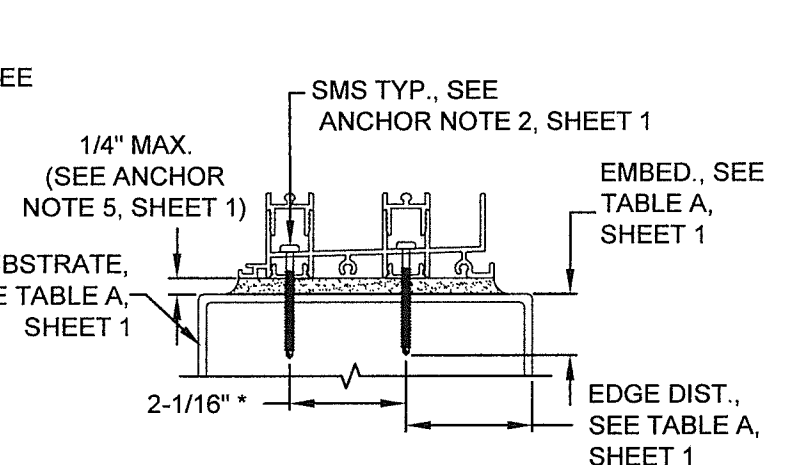
**TYPICAL JAMB ANCHOR PAIR  
FOR DETAILS "D" & "E", SEE  
ELEVATION FOR O.C.  
SPACING, SHEET 5.**



**DETAIL E, 2-TRACK FRAME JAMB  
WOOD INSTALLATION**



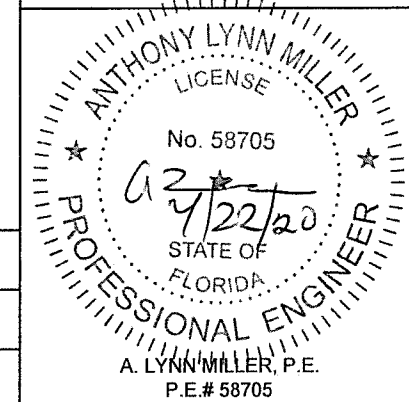
**DETAIL B, 2-TRACK FRAME HEAD  
WOOD INSTALLATION**



**DETAIL C, 2-TRACK FRAME SILL  
WOOD INSTALLATION**

ANCHORS MUST BE OF SUFFICIENT LENGTH SO THAT A MINIMUM OF 3 THREADS EXTEND BEYOND METAL SUBSTRATE.

**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. **20-0429.08**  
Expiration Date: **03/24/2025**  
By: Isaac I. Chanda  
Miami-Dade Product Control



|                |                |                 |                        |
|----------------|----------------|-----------------|------------------------|
| Revised By: JR | Date: 03/21/20 | Revisions: G    | NO CHANGES THIS SHEET. |
| Drawn By: SMC  | Date: 08/05/09 | Checked By: RJA | Date:                  |

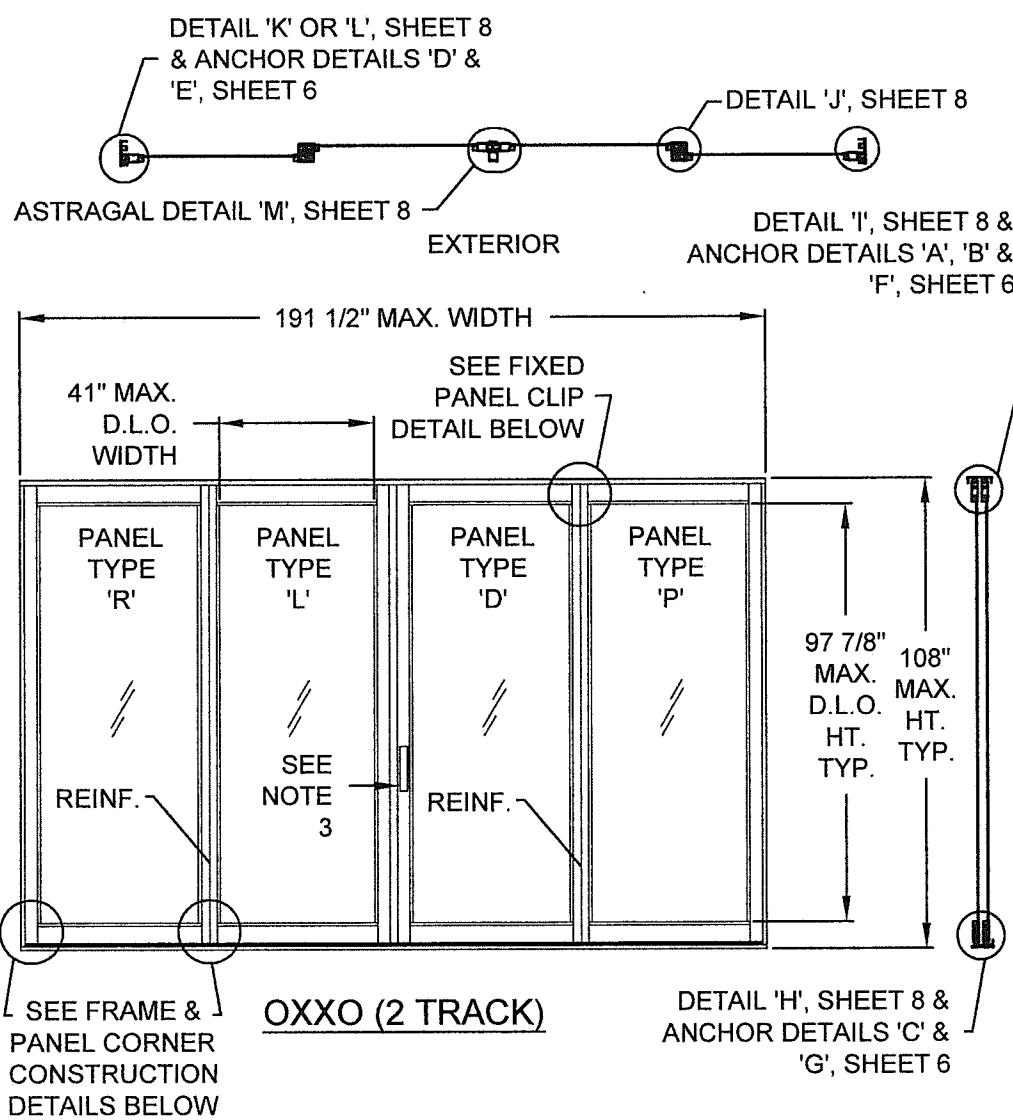
1070 TECHNOLOGY DRIVE  
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REGISTRATION #29296



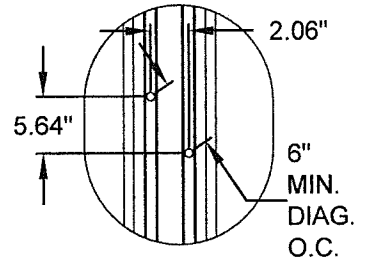
|  |            |                |                     |
|--|------------|----------------|---------------------|
| Description: <b>ANCHORAGE</b>                        |            |                |                     |
| Title: <b>SERIES 670 H.P. ALUM. SGD - NON-IMPACT</b> |            |                |                     |
| Series/Model: SGD670 H.P.                            | Scale: NTS | Sheet: 6 of 10 | Drawing No. PGT0003 |
|  |            |                | Rev: G              |



|                        |                  |  |                  |
|------------------------|------------------|--|------------------|
| <b>K</b>               | SINGLE INTERLOCK |  | LOCKSTILE        |
| <b>A</b>               | SINGLE INTERLOCK |  | LOCKSTILE        |
| <b>D</b>               | LOCKSTILE        |  | SINGLE INTERLOCK |
| <b>M</b>               | LOCKSTILE        |  | SINGLE INTERLOCK |
| <b>L</b><br>(BOX OUT)  | SINGLE INTERLOCK |  | ASTRAGAL OUT     |
| <b>LR</b><br>(BOX OUT) | ASTRAGAL OUT     |  | SINGLE INTERLOCK |
| <b>N</b><br>(BOX OUT)  | ASTRAGAL IN      |  | SINGLE INTERLOCK |
| <b>C</b><br>(BOX IN)   | SINGLE INTERLOCK |  | ASTRAGAL IN      |
| <b>P</b>               | SINGLE INTERLOCK |  | FIXED LOCKSTILE  |
| <b>R</b>               | FIXED LOCKSTILE  |  | SINGLE INTERLOCK |
| <b>T</b><br>(BOX OUT)  | ASTRAGAL OUT     |  | FIXED LOCKSTILE  |
| <b>T</b><br>(BOX IN)   | ASTRAGAL IN      |  | FIXED LOCKSTILE  |
| <b>S</b><br>(BOX OUT)  | FIXED LOCKSTILE  |  | ASTRAGAL OUT     |
| <b>S</b><br>(BOX IN)   | FIXED LOCKSTILE  |  | ASTRAGAL IN      |



- NOTES:**
- SEE THIS SHEET FOR INDIVIDUAL PANEL CONFIGURATIONS. MAX. NOMINAL PANEL WIDTH = 48". SEE SHEET 8 FOR SECTION DETAILS AND SHEETS 4-6 FOR ANCHORAGE DETAILS.
  - DLO WIDTH = 41" MAX. DLO HEIGHT = 97 7/8" MAX.
  - (1) LOCK (ITEMS 75 & 107-110) AT EACH LOCKSTILE, LOCKING INTO KEEPER (ITEM 103) AT FRAME JAMB OR ASTRAGAL.
  - MAXIMUM NOMINAL PANEL WIDTH FOR ALL PANEL CONFIGURATIONS EQUALS 48".

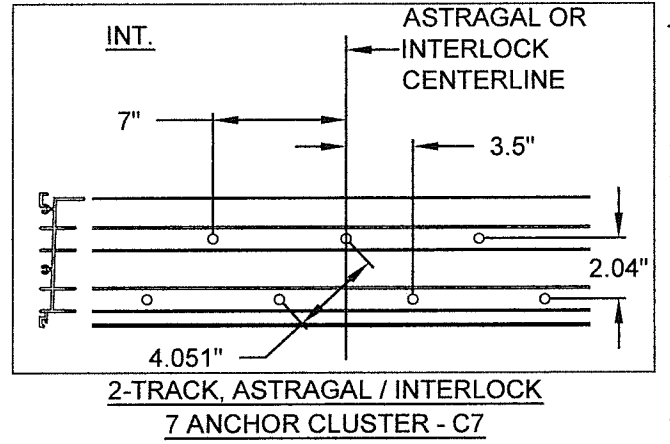
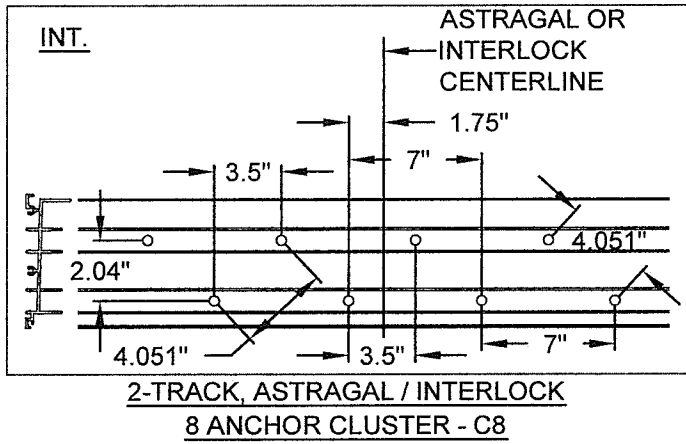
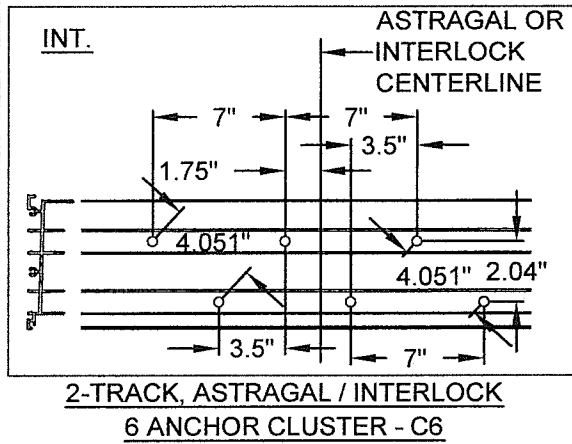


TYPICAL JAMB ANCHOR PAIR FOR DETAILS "D" & "E", SEE ELEVATION FOR O.C. SPACING, SHEET 5

NOTE: REINFORCEMENT REQUIRED AT ALL INTERLOCKS.

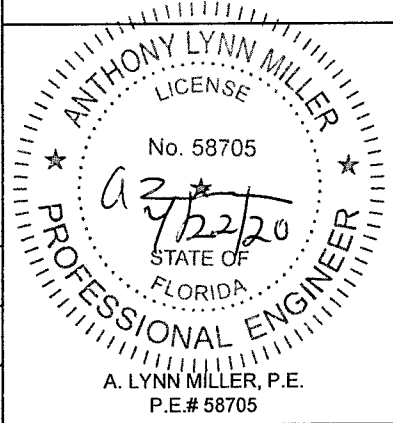
↑ INTERIOR (ALL PANEL TYPES)

↓ EXTERIOR



- NOTES:**
- ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
  - METAL SUBSTRATES SIMILAR TO WOOD SUBSTRATES AS SHOWN.
  - \* DIAGONAL, O.C. DIMENSION IS 4.051" IN THE HEAD & SILL, 6" IN THE JAMB.

**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. **20-0429.08**  
Expiration Date: **03/24/2025**  
By: Shay L. Chan  
Miami-Dade Product Control

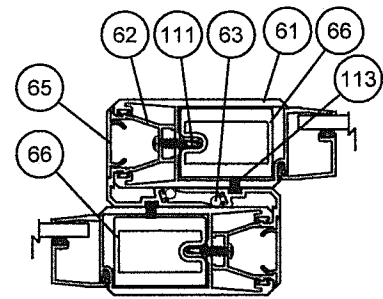


|                |                |                 |                        |
|----------------|----------------|-----------------|------------------------|
| Revised By: JR | Date: 03/21/20 | Revisions: G    | NO CHANGES THIS SHEET. |
| Drawn By: SMC  | Date: 08/05/09 | Checked By: RJA |                        |

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941) 480-1600  
REGISTRATION #29296

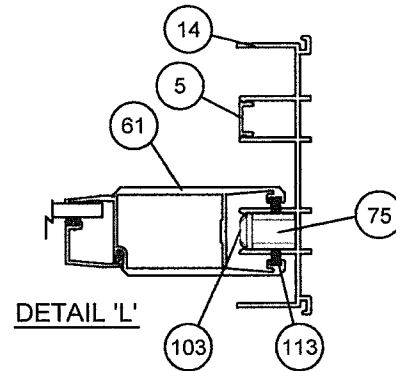


|  |            |                |                     |
|--|------------|----------------|---------------------|
| Description: <b>PANEL TYPES / EXAMPLE ELEVATIONS</b> |            |                |                     |
| Title: <b>SERIES 670 H.P. ALUM. SGD - NON-IMPACT</b> |            |                |                     |
| Series/Model: SGD670 H.P.                            | Scale: NTS | Sheet: 7 of 10 | Drawing No. PGT0003 |
|  |            |                | Rev: G              |

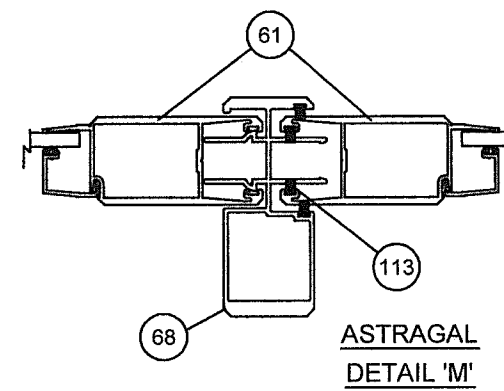


**ALL REINFORCED INTERLOCK**  
**DETAIL 'J'**

↑ INTERIOR  
(ALL HORIZ. SECTIONS)  
↓ EXTERIOR

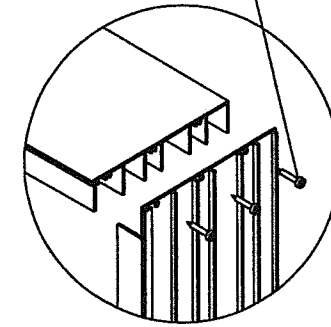


**DETAIL 'L'**

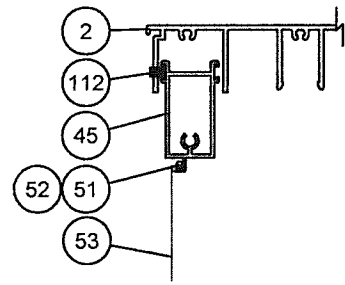


**ASTRAGAL**  
**DETAIL 'M'**

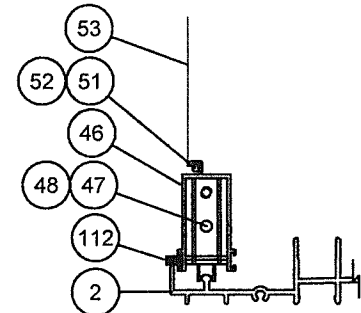
#8 X 1.00"  
PH SMS (OPTIONAL)



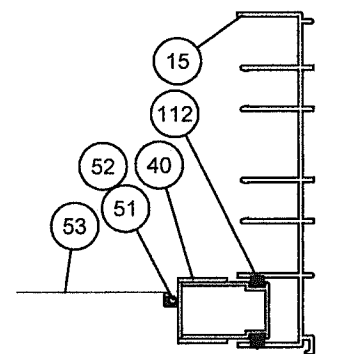
**FRAME CORNER**  
**DETAIL**



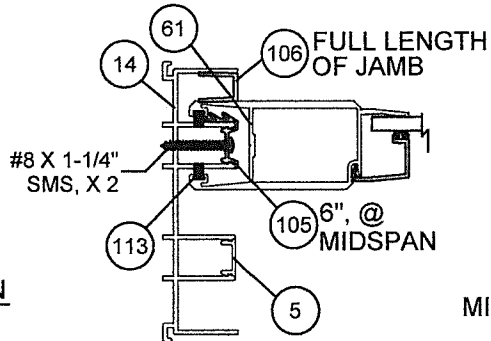
**DETAIL 'N' SCREEN**  
**AT HEAD**



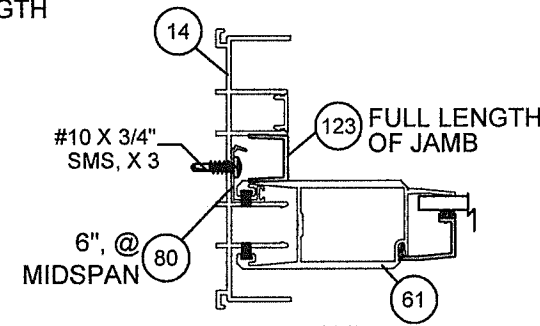
**DETAIL 'O' SCREEN**  
**AT SILL**



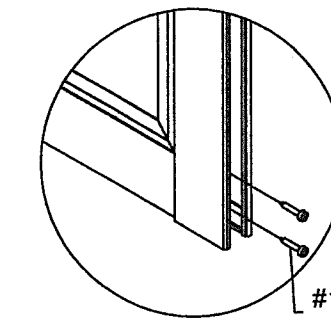
**DETAIL 'P' SCREEN**  
**AT JAMB**



**STANDARD CLIP**  
**W/ RETAINER #106**  
**DETAIL 'K' (FIXED PANEL)**



**OPTIONAL CLIP**  
**W/ RETAINER #123**



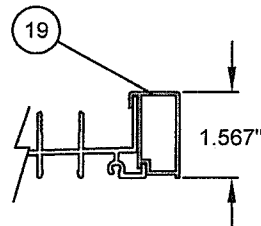
**PANEL CORNER**  
**DETAIL**

#10 X 1.50"  
PH SMS

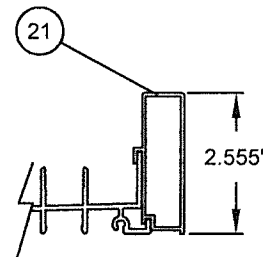
**SILL RISERS OPTIONS**

(SEE D.P. LIMIT TABLE 1A, SHEET 4)

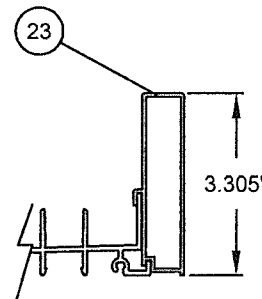
← EXTERIOR INTERIOR →  
(ALL VERT. SECTIONS)



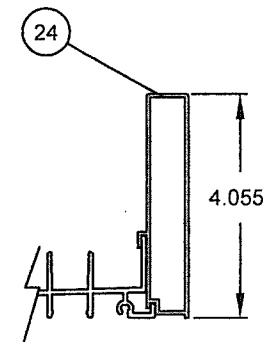
**FLUSH BOX SILL RISER**



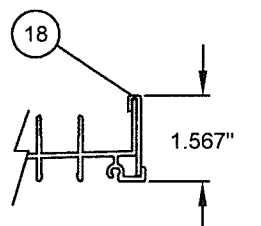
**LOW BOX SILL RISER**



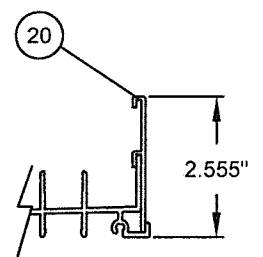
**MEDIUM BOX SILL RISER**



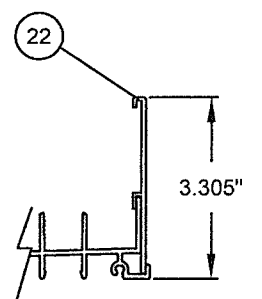
**HIGH BOX SILL RISER**



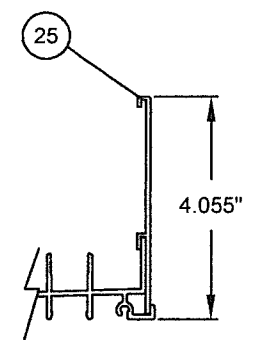
**FLUSH FLAT SILL RISER**



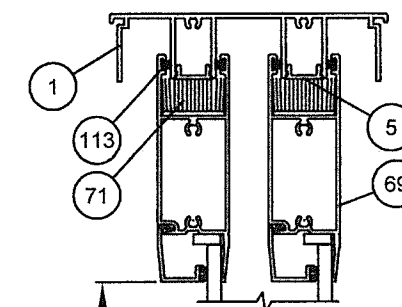
**LOW FLAT SILL RISER**



**MEDIUM FLAT SILL RISER**

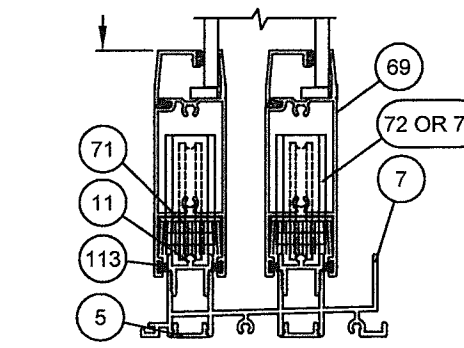


**HIGH FLAT SILL RISER**



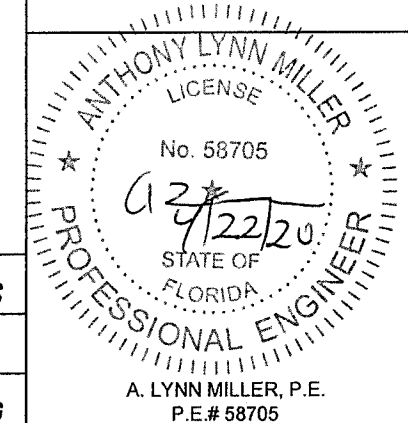
**DETAIL 'I'**

97 7/8"  
MAX.  
DLO  
TYP.



**DETAIL 'H'**

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0429.08**  
Expiration Date: **03/24/2025**  
By: Isaac I. Chanda  
Miami-Dade Product Control



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

|                   |                   |                      |                        |
|-------------------|-------------------|----------------------|------------------------|
| Revised By:<br>JR | Date:<br>03/21/20 | Revisions:<br>G      | NO CHANGES THIS SHEET. |
| Drawn By:<br>SMC  | Date:<br>08/05/09 | Checked By:<br>Date: |                        |

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941) 480-1600  
REGISTRATION #29296



|  |               |                   |                        |
|--|---------------|-------------------|------------------------|
| Description:<br><b>VERTICAL &amp; HORIZONTAL SECTION DETAILS</b> |               |                   |                        |
| Title:<br><b>SERIES 670 H.P. ALUM. SGD - NON-IMPACT</b>          |               |                   |                        |
| Series/Model:<br>SGD670 H.P.                                     | Scale:<br>NTS | Sheet:<br>8 of 10 | Drawing No.<br>PGT0003 |
|  |               |                   | Rev:<br>G              |



TABLE 2:

| ITEM | PGT Dwg. # | PGT. # | Description                   |
|------|------------|--------|-------------------------------|
| 1    | 17306      | 617306 | 2-TRACK HEAD                  |
| 2    | 17303      | 617303 | 2-TRACK HEAD WITH SCREEN RAIL |
| 5    | 17314      | 617314 | FRAME SCREW COVER             |
| 6    | 17317      | 617317 | FRAME HEAD/JAMB ADD-ON        |
| 7    | 17304      | 617304 | 2-TRACK SILL                  |
| 8    | 17301      | 617301 | 2-TRACK SILL WITH SCREEN RAIL |
| 11   | 17313      | 617313 | FRAME SILL TRACK INSERT       |
| 12   | 17315      | 617315 | FRAME SILL SCREEN ADD-ON      |
| 14   | 17305      | 617305 | 2-TRACK JAMB                  |
| 15   | 17302      | 617302 | 2-TRACK JAMB WITH SCREEN RAIL |
| 18   | 17322      | 617322 | SILL RISER - 0                |
| 19   | 17319      | 617319 | SILL RISER - 0 HOLLOW         |
| 20   | 17321      | 617321 | SILL RISER - LOW FLAT         |
| 21   | 17318      | 617318 | SILL RISER - LOW HOLLOW       |
| 22   | 17355      | 617355 | SILL RISER - MED FLAT         |
| 23   | 17354      | 617354 | SILL RISER - MED HOLLOW       |
| 24   | 17320      | 617320 | SILL RISER - HIGH HOLLOW      |
| 25   | 17323      | 617323 | SILL RISER - HIGH FLAT        |

|    |       |           |                                 |
|----|-------|-----------|---------------------------------|
| 40 | 4319  | 612258    | SCREEN SIDE RAIL - LOCKSTILE    |
| 41 |       | 7LOCKWGSK | SCREEN LOCKSET                  |
| 42 |       | 41818     | SCREEN KEEPER SPACER SET        |
| 43 | 8152  | 68152     | SCREEN INTERLOCK ADAPTER        |
| 44 | 4428  | 64428     | SCREEN DOUBLE INTERLOCK         |
| 45 | 4317  | 612256    | SCREEN TOP RAIL                 |
| 46 | 4318  | 612257    | SCREEN BOTTOM RAIL              |
| 47 | 668   | 7SRAZ     | STANDARD ROLLER                 |
| 48 | 668   | 7SRAX     | STANDARD ROLLER - ST. STL.      |
| 49 | 4344  | 64344     | SCREEN ASTRAGAL                 |
| 50 | 17349 | 617349    | OXO SCREEN ASTRAGAL ADAPTER     |
| 51 | 1692  | 61692     | SCREEN SPLINE - .165            |
| 52 | 1694  | 61694     | SCREEN SPLINE - .150            |
| 53 |       | 61816C20  | SCREEN CLOTH                    |
| 54 | 1725  |           | 1/2" x 4" x 1/16" SITTING BLOCK |
| 55 | 1726  |           | 1" X 4" X 1/16" SITTING BLOCK   |

|     |  |       |                             |
|-----|--|-------|-----------------------------|
| 200 |  | GLASS | 3/16 TEMPERED               |
| 201 |  | GLASS | 1/4 TEMPERED                |
| 208 |  | GLASS | IG 3/16-3/16 FULLY TEMPERED |
| 209 |  | GLASS | IG 1/4-1/4 FULLY TEMPERED   |

TABLE 3:

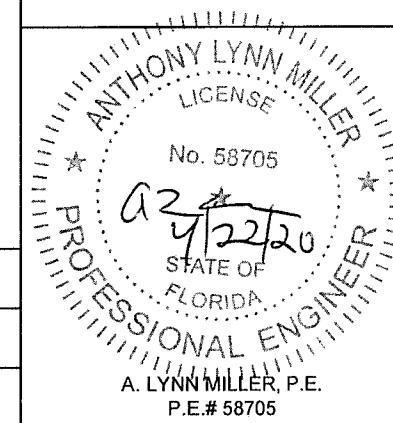
| Material                           | Min. F <sub>y</sub> | Min. F <sub>u</sub> |
|------------------------------------|---------------------|---------------------|
| #12 Steel Screw                    | 92 ksi              | 120 ksi             |
| #12 18-8 Screw                     | 60 ksi              | 95 ksi              |
| #12 410 Screw                      | 90 ksi              | 110 ksi             |
| 1/4" DeWalt/Elco Aggre-Gator®      | 57 ksi              | 96 ksi              |
| 1/4" Elco UltraCon®                | 155 ksi             | 177 ksi             |
| 1/4" DeWalt UltraCon+®             | 148 ksi             | 164 ksi             |
| 1/4" 410 SS DeWalt/Elco CreteFlex® | 127.4 ksi           | 189.7 ksi           |
| 6063-T5 Aluminum                   | 16 ksi              | 22 ksi              |
| A36 Steel                          | 36 ksi              | 58 ksi              |
| Gr. 33 Steel Stud                  | 33 ksi              | 45 ksi              |

NOTES:

- 1) ALL ALUMINUM = 6063-T6
- 2) ITEMS # 3, 4, 9, 10, 13, 16, 17, 26-39, 56-60, 67, 81, 84-99 & 118-199 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.

| ITEM | PGT Dwg. # | PGT. #       | Description                                       |
|------|------------|--------------|---|
| 61   | 17326      | 617326       | PANEL STILE (HEAVY DUTY)                          |
| 62   | 17327      | 617327       | INTERLOCK ADAPTOR                                 |
| 63   | 1225       | 6TP248       | VINYL BULB WSTP. - THIN (INSIDE INTERLOCK)        |
| 64   | 1729       | 71729        | SILL END WEATHERSTRIP PAD                         |
| 65   | 17328      | 617328       | INTERLOCK SCREW COVER                             |
| 66   | 17346      | 617346       | INTERLOCK ALUM REINF. (PANEL - 9")                |
| 68   | 17339      | 617339       | HEAVY DUTY ASTRAGAL                               |
| 69   | 17324      | 617324       | TOP & BOTTOM RAIL                                 |
| 70   | 17350      | 417350       | WEATHERSTRIP EXTENSION (INJECTION MOLDED)         |
| 71   | 1695       | 71695        | 1 1/2" X 1" X 3/4" HIGH FIN SEAL DUST PLUGS       |
| 72   | 8153       | 78153X       | TANDEM ST. STL. ROLLER ASSY.                      |
| 73   | 8153       | 78153N       | TANDEM NYLON ROLLER ASSY.                         |
| 74   |            | SILICONE     | DOW 791, 899, 983, 995 OR GE 7700                 |
| 75   | 8185       | 78185X       | GEMINI MORTICE 3-PLY LOCK W/LONG TRIM PLATE       |
| 76   |            | 71032X1FPPFX | #10-32 X 1" FL. SS SCREW W/ TYPE "F" TIP          |
| 77   |            | 7103239      | 10-32 STEEL ZINC U-NUT                            |
| 78   | 17358      | 617358       | 3/16 & 1/4 OGEE BEAD HORIZONTAL                   |
| 79   | 17357      | 617357       | 1" IG BEAD HORIZONTAL                             |
| 80   | 17359      | 617359       | 7/16" BEAD / FIXED PANEL CLIP                     |
| 82   | 1224       | 6TP247K      | VINYL BULB WEATHERSTRIP                           |
| 83   |            | IGTAPE       | 1/2"X 1/16" SINGLE SIDE ADHESIVE TAPE FOR IG BEAD |
| 100  | 8052       | 48052        | ROLLER ADJ. HOLE PLUG                             |
| 101  |            | 72087        | JAMB BUMPER                                       |
| 102  | 1696       | 71696        | DUST PLUG   |
| 103  | 8186       | 78186X       | 1" KEEPER   |
| 104  | 653        | 7SDKEEP      | SCREEN LOCK KEEPER                                |
| 105  | 17344      | 617344       | FIXED PANEL CLIP - 6" LONG                        |
| 106  | 17352      | 617352       | EXTERIOR FIXED PANEL RETAINER                     |
| 107  | 1739       | 71739        | HANDLE KIT - INTERIOR RAISED WITH THUMB TURN      |
| 108  | 1740       | 71740        | HANDLE KIT - RAISED EXTERIOR HANDLE               |
| 109  | 1731       | 78162SN      | HANDLE KIT - RECESSED INTERIOR WITH THUMB TURN    |
| 110  | 1732       | 78178        | HANDLE KIT - RECESSED EXTERIOR PULL               |
| 111  |            | 710X34PPSDAX | #10 X 3/4" PH. PN. TEK - S.S.                     |
| 112  | 1235       | 67S16        | WSTP, .270 X .170 - FIN SEAL                      |
| 113  | 1712       | 64066        | .187 X .230 FINSEAL                               |
| 114  |            | 710X115PPX   | #10X 1 1/2"                                       |
| 115  |            | 710XPPT      | #10X 1"   |
| 116  |            | 720X1X       | #14-20 X 1" ST. STL.                              |
| 117  |            | 720X112X     | #14-20 X 1.5" ST. STL.                            |

**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. **20-0429.08**  
Expiration Date: **03/24/2025**  
By: Ismael I. Chanda  
Miami-Dade Product Control

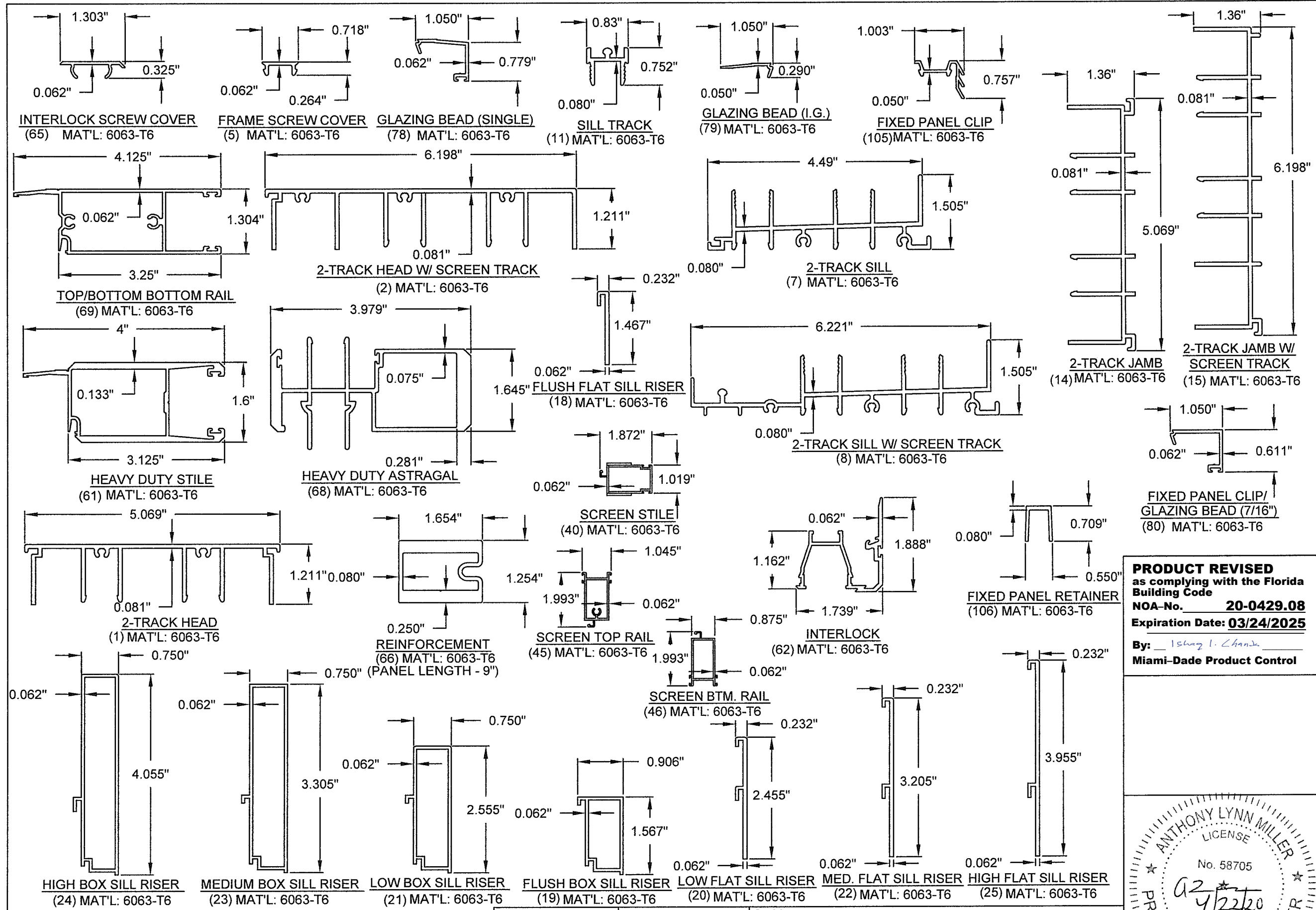


|                |                |                 |  |
|----------------|----------------|-----------------|--|
| Revised By: JR | Date: 03/21/20 | Revisions: G    | ADDED BACKBEDDING & MATERIAL PROP. TABLE |
| Drawn By: SMC  | Date: 08/05/09 | Checked By: RJA |  |

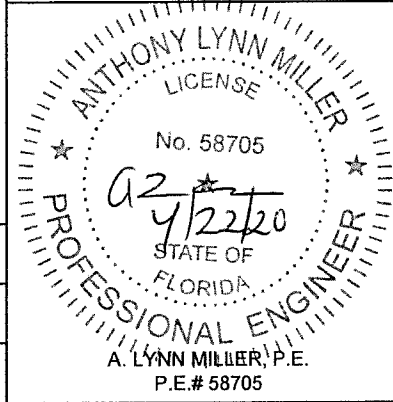
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941) 480-1600  
REGISTRATION #29296



|  |            |                |                     |
|--|------------|----------------|---------------------|
| Description: <b>PARTS LIST</b>                       |            |                |                     |
| Title: <b>SERIES 670 H.P. ALUM. SGD - NON-IMPACT</b> |            |                |                     |
| Series/Model: SGD670 H.P.                            | Scale: NTS | Sheet: 9 of 10 | Drawing No. PGT0003 |
|  |            |                | Rev: G              |

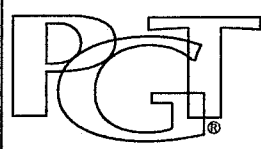


**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 NOA-No. **20-0429.08**  
 Expiration Date: **03/24/2025**  
 By: Isaac I. Chanda  
 Miami-Dade Product Control



|             |          |             |                        |
|-------------|----------|-------------|------------------------|
| Revised By: | Date:    | Revisions:  |                        |
| JR          | 03/21/20 | G           | NO CHANGES THIS SHEET. |
| Drawn By:   | Date:    | Checked By: | Date:                  |
| SMC         | 08/05/09 | RJA         |                        |

1070 TECHNOLOGY DRIVE  
 N. VENICE, FL 34275  
 (941) 480-1600  
 REGISTRATION #29296



|   |        |          |              |
|---|--------|----------|--------------|
| Description:<br><b>EXTRUSIONS</b>                       |        |          |              |
| Title:<br><b>SERIES 670 H.P. ALUM. SGD - NON-IMPACT</b> |        |          |              |
| Series/Model:   | Scale: | Sheet:   | Drawing No.: |
| SGD670 H.P.   | NTS    | 10 of 10 | PGT0003      |
| Rev:  |        |          |              |
| G   |        |          |              |