



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

PGT Industries, Inc.
1070 Technology Drive,
Nokomis, Fl. 34275

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "SGD-770" Aluminum Sliding Glass Doors w / wo Reinforcements - L.M.I.

APPROVAL DOCUMENT: Drawing No. PGT0002 Rev. C2, titled "Series 770 Aluminum SGD - LMI", sheets 01 through 23 of 23, prepared by manufacturer, dated 08/05/07 and last revised on 01/23/14, signed and sealed by Lynn Miller, P. E., bearing the Miami-Dade County Product Control Section Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LIMITATIONS:

- 1. Egress operable doors must comply with minimum clearance width per FBC, as applicable.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed 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 No. 11-1018.14 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
1/29/14

NOA No. 14-0123.10
Expiration Date: February 17, 2015
Approval Date: February 06, 2014
Page 1

PGT Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

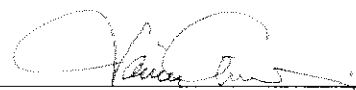
1. Manufacturer's die drawings and sections.
2. Drawing No. **PGT0002 Rev. C2**, titled "Series 770 Aluminum SGD – LMI", sheets 01 through 23 of 23, prepared by manufacturer, dated 08/05/07 and last revised on 01/23/14, signed and sealed by Lynn Miller, P. E.

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
 - 6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94along with marked-up drawings and installation diagram of aluminum Sliding Glass Doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7554**, dated 11/01/13, signed and sealed by Marlin D. Brinson, P. E.
2. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94along with marked-up drawings and installation diagram of aluminum Sliding Glass Doors, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s **FTL-5980, FTL-5993, FTL-6036, FTL-6001, FTL-6014, FTL-6015, FTL-6017, FTL-6023, FTL-6024, FTL-6025, FTL-6028, FTL-6031, FTL-6033 and FTL-6036**, all dated 08/10/09, signed and sealed by Julio Gonzales, P. E.
Note: The test reports No.'s **FTL-5980, FTL-6001 and FTL-6015** have been revised and reissued on 12/29/09, all signed and sealed by Julio Gonzales, P. E.
(Submitted under previous NOA No. 09-0826.10)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-2010**, prepared by manufacture, dated 01/24/14, signed and sealed by Lynn Miller, P. E.
2. **Glazing complies with ASTM E1300-09**



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 14-0123.10
Expiration Date: February 17, 2015
Approval Date: February 06, 2014

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

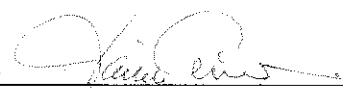
1. Notice of Acceptance No. 13-0129.27 issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.
2. Notice of Acceptance No. 11-0624.02 issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.

F. STATEMENTS

1. Statement letter of conformance and complying with **FBC-2010**, issued by manufacture, dated 01/24/14, signed and sealed by Lynn Miller, P.E.
2. Statement letter of no financial interest, issued by manufacture, dated 01/24/14, signed and sealed by Lynn Miller, P.E.
3. Laboratory compliance letter for Test Report No. **FTL-7554**, issued by Fenestration Testing Laboratory, Inc., dated 11/01/13, signed and sealed by Marlin D. Brinson, P.E.
4. Proposal issued by Product Control, dated 08/12/13, signed by Jaime D. Gascon, P. E.
5. Laboratory compliance letter for Test Reports No.'s **FTL-5980, FTL-5993, FTL-6036, FTL-6001, FTL-6014, FTL-6015, FTL-6017, FTL-6023, FTL-6024, FTL-6025, FTL-6028, FTL-6031, FTL-6033** and **FTL-6036**, issued by Fenestration Testing Laboratory, Inc., all dated 08/10/09, signed and sealed by Julio Gonzales, P. E.
(Submitted under previous NOA No. 09-0826.10)
6. Proposals No.'s **09-0177**, dated 03/17 & 31/09, **09-0177A**, dated 05/07/09, **09-0177B**, dated 06/09/09 and **09-0177C**, dated 11/18/09, all issued by Product Control, signed by Ishaq Chanda, P. E.
(Submitted under previous NOA No. 09-0826.10)

G. OTHERS

1. Notice of Acceptance No. 11-1018.14, issued to PGT Industries, Inc. for their Series "**SGD-770 Aluminum Sliding Glass Doors w/ wo Reinforcements**", approved on 12/01/11 and expiring on 02/17/15.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 14-0123.10
Expiration Date: February 17, 2015
Approval Date: February 06, 2014

GENERAL NOTES: SERIES 770 LMI SLIDING GLASS DOOR

1. GLAZING TYPE OPTIONS: (GLASS RECIPES ARE FROM EXTERIOR TO INTERIOR)

- GLASS STRENGTHS - T = TEMPERED HS = HEAT STRENGTHED
 INTERLAYER TYPES - SGP = .090 DUPONT SENTRY GLAS PLUS DBPVB = .090 DUPONT BUTACITE PVB
- G3 - 7/16" LAMINATED: (2) LITES OF 3/16" HS GLASS WITH AN .090 DBPVB INTERLAYER.
 - G4 - 7/16" LAMINATED: (2) LITES OF 3/16" HS GLASS WITH AN .090 SGP INTERLAYER.
 - G3A - 9/16" LAMINATED: (2) LITES OF 1/4" HS GLASS WITH AN .090 DBPVB INTERLAYER.
 - G4A - 9/16" LAMINATED: (2) LITES OF 1/4" HS GLASS WITH AN .090 SGP INTERLAYER.
 - G5 - 1" LAMINATED I.G. 3/16" T EXT. CAP + 3/8" AIR SPACE + 7/16" LAMINATED: (2) LITES OF 3/16" HS GLASS WITH AN .090 DBPVB INTERLAYER.
 - G6 - 1" LAMINATED I.G. 3/16" T EXT. CAP + 3/8" AIR SPACE + 7/16" LAMINATED: (2) LITES OF 3/16" HS GLASS WITH AN .090 SGP INTERLAYER.
 - G5A - 1" LAMINATED I.G. 1/4" T EXT. CAP + 5/16" AIR SPACE + 7/16" LAMINATED: (2) LITES OF 3/16" HS GLASS WITH AN .090 DBPVB INTERLAYER.
 - G6A - 1" LAMINATED I.G. 1/4" T EXT. CAP + 5/16" AIR SPACE + 7/16" LAMINATED: (2) LITES OF 3/16" HS GLASS WITH AN .090 SGP INTERLAYER.
 - G7 - 7/16" LAMINATED: (2) LITES OF 3/16" ANN GLASS WITH AN .090 SGP INTERLAYER.
 - G7A - 9/16" LAMINATED: (2) LITES OF 1/4" ANN GLASS WITH AN .090 SGP INTERLAYER.
 - G8 - 1" LAMINATED I.G. 3/16" T EXT. CAP + 3/8" AIR SPACE + 7/16" LAMINATED: (2) LITES OF 3/16" ANN GLASS WITH AN .090 SGP INTERLAYER.
 - G8A - 1" LAMINATED I.G. 1/4" T EXT. CAP + 5/16" AIR SPACE + 7/16" LAMINATED: (2) LITES OF 3/16" ANN GLASS WITH AN .090 SGP INTERLAYER.

2. 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.
- 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 7 THROUGH 15.
- 4. SHUTTERS ARE NOT REQUIRED.
- 5. INSTALLATION SCREWS, FRAME AND PANEL CORNERS TO BE SEALED WITH NARROW JOINT SEALANT.
- 6. REFERENCES:
 TEST REPORTS FTL-5980, FTL-5993, FTL-6001, FTL-6014, FTL-6015, FTL-6017, FTL-6022, FTL-6023, FTL-6024, FTL-6025, FTL-6028, FTL-6031, FTL-6033 AND FTL-6036 DATED 8/7/09, FTL-7554 DATED 11/01/13.
 ELCO TEXTRON NOA: 07-0425.01, 03-0225.05, ANSI/AF&PA NDS-2005 FOR WOOD CONSTRUCTION AND ADM-2005 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 SEE DP TABLES (SHEETS 7-9) AND CONFIGURATION ILLUSTRATIONS (SHEETS 2-4).
 A. D.L.O. WIDTH = PANEL WIDTH - 7" B. D.L.O. HEIGHT = PANEL HEIGHT - 8.25"

NOTES PERTAINING TO ANCHORAGE DETAILS ON SHTS. 13-15:

- 1. FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED ELCO 1/4" OR 5/16" ULTRACON (FORMERLY TAPCON) CONCRETE SCREWS OR 1/4" ELCO SS4 CRETE-FLEX. SEE TABLE ON THIS SHEET FOR EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS.
- 2. FOR WOOD APPLICATIONS USE #12 STEEL SCREWS (G5). 1/4" ELCO SS4 CRETE-FLEX MAY BE USED INSTEAD OF #12 SCREWS (PAN HEAD).
- 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. 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.
- 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 1-3, SHTS. 7-9, FOR ANCHOR TYPE 4 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) (MAX. 1/4" SHIM SPACE FOR GROUT) 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.

Concrete Screw Anchorage Minimum Embedment and Minimum Edge Distance Requirements

| Type | Dia. | Head and Sill | | Jambs | | | |
|---------------------|-------|---------------|---------|----------------|---------|-----------------|---------|
| | | Concrete | | Un-Grouted CMU | | Grouted CMU | |
| | | Min. Emb. | Min. Ed | Min. Emb. | Min. Ed | Min. Emb. | Min. Ed |
| Elco Ultracon | 1/4" | 1 3/8 | 2 1/2 | 1 1/4 | 2 1/2 | 1 3/4 | 2 1/2 |
| | 5/16" | 1 3/4 | 1 1/4 | 1 1/4 | 1 9/16 | 1 3/4 | 2 1/2 |
| Elco Crete-Flex SS4 | 1/4" | 1 3/4 | 2 1/2 | 1 1/4 | 2 1/2 | Not Recommended | |

| Type | Dia. | P-Hook (Anchor Tension) | | | | P-Hook Mounting Adapter (Anchor Shear) | | | |
|---------------------|------|-------------------------|---------|-----------------|---------|--|---------|-----------------|---------|
| | | Concrete | | Grouted CMU | | Concrete | | Grouted CMU | |
| | | Min. Emb. | Min. Ed | Min. Emb. | Min. Ed | Min. Emb. | Min. Ed | Min. Emb. | Min. Ed |
| Elco Ultracon | 1/4" | 1 3/4 | 2 1/2 | 1 3/4 | 2 1/2 | 1 3/4 | 2 1/2 | 1 3/4 | 1 1/4 |
| Elco Crete-Flex SS4 | 1/4" | 1 3/4 | 2 1/2 | Not Recommended | | 1 3/4 | 2 1/2 | Not Recommended | |

| Concrete Strength Requirements | | |
|--------------------------------|-------|----------|
| Type | Dia. | fc' |
| Elco Ultracon | 1/4" | 2700 psi |
| | 5/16" | 3500 psi |
| Elco Crete-Flex SS4 | 1/4" | 3350 psi |

| Definitions: | |
|--------------|-----------------|
| Emb. | = Embedment |
| Ed | = Edge Distance |
| Min. | = Minimum |

CONCRETE SCREWS STRENGTHS:
 Fy MIN. = 135 KSI
 Fu MIN. = 177 KSI

| Masonry Strength Requirements | |
|-------------------------------|---|
| UngROUTED CMU | ASTM C-90 |
| Grouted CMU | ASTM C-90 with grout conforming to Sections 2105.2.2.1.2 and R809 of the FBC. |

| Wood Screws (Head, Sill & Jambs) In. | | |
|--------------------------------------|-----------|---------|
| Type | Min. Emb. | Min. Ed |
| #12 Wood Screw | 1 3/8" | 1" |
| Elco Crete-Flex SS4 | 1 3/8" | 1" |

UNLESS OTHERWISE NOTED

DESIGN PRESSURE CHART
 SEE TABLES 1, 2 & 3 ON SHEETS 7, 8 & 9

NOA DRAWING MAP SHEET

- GENERAL NOTES..... 1
- QUALIFIED CONFIG..... 2-4
- GLAZING DETAILS..... 5-6
- ANCHORAGE..... 7-9
- DESIGN PRESSURES..... 7-9
- ELEVATIONS..... 15-16
- CONFIGURATIONS..... 17
- VERT. SECTIONS..... 18
- HORIZ. SECTIONS..... 19-20
- PARTS LIST..... 21
- EXTRUSIONS..... 22-23

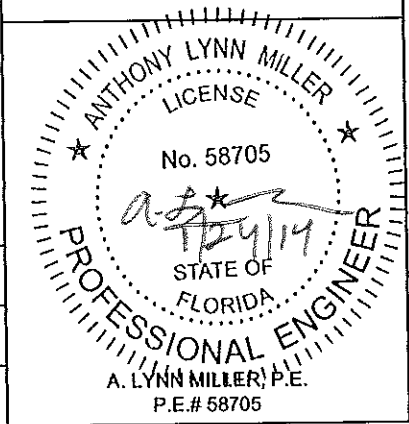
| | | | |
|------------------|----------------|---------------|--|
| Revised By: J.J. | Date: 10/11/11 | Revisions: C | FBC 2010 CODE CHANGE |
| Revised By: JR | Date: 01/23/14 | Revisions: C2 | ADDED GLAZING TYPES G7, G7A, G8, G8A & TEST REPORT FTL-7554 TO NOTE 1. |
| Revised By: | Date: | Revisions: | |
| Drawn By: SMC | Date: 08/05/07 | Checked By: | Date: |

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

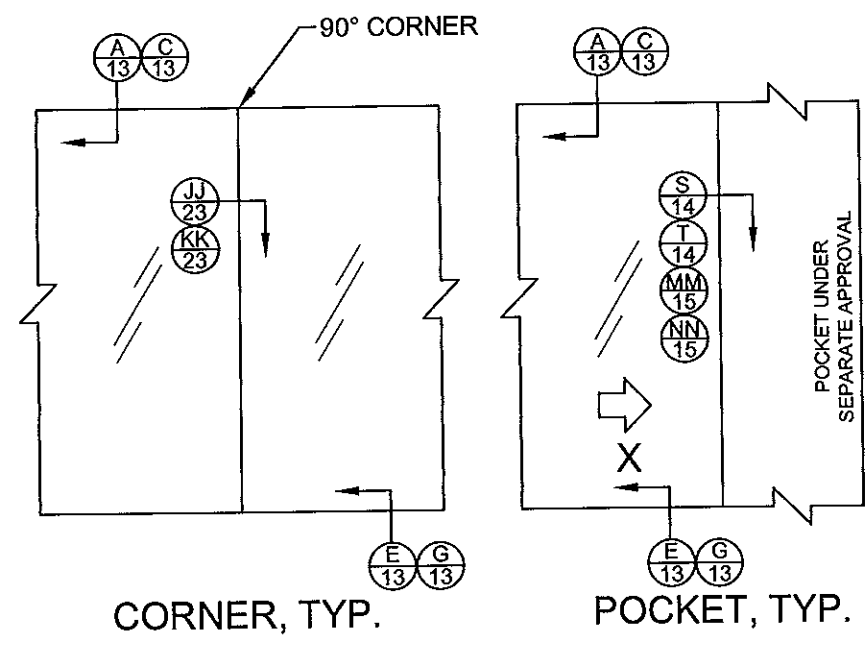
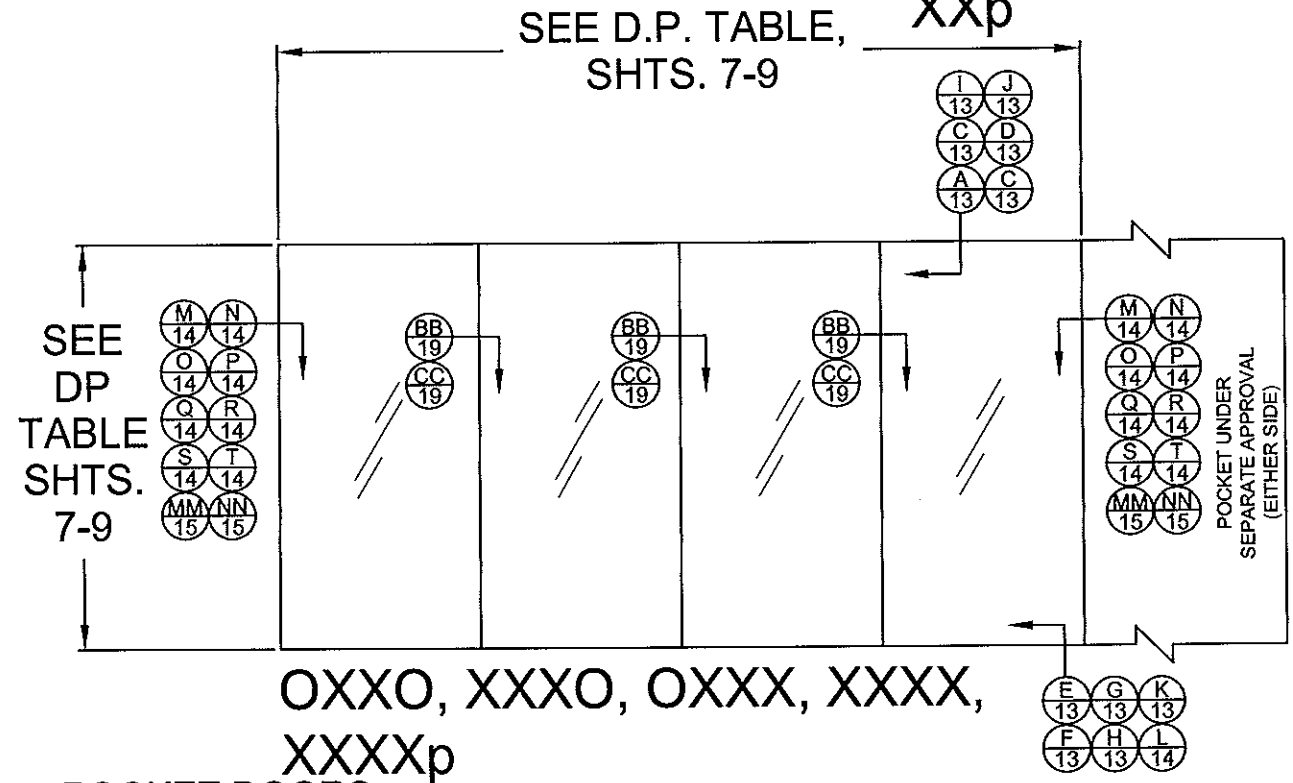
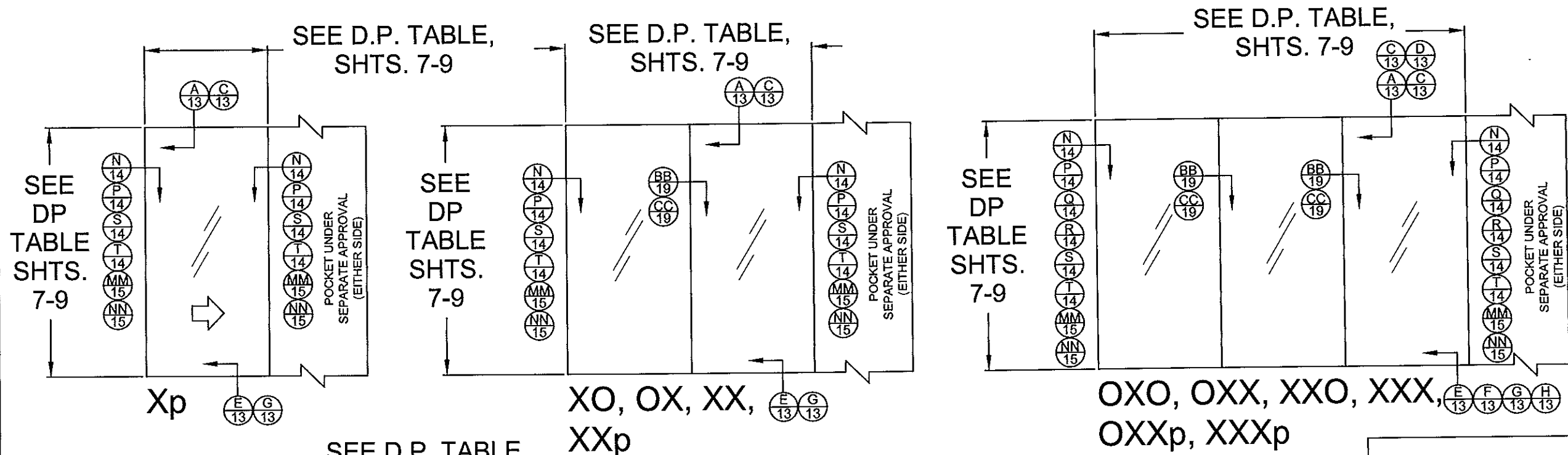


| | | | |
|--------------------------------------|------------|----------------|----------------------|
| Description: GENERAL NOTES AND MAP | | | |
| Title: SERIES 770 ALUMINUM SGD - LMI | | | |
| Series/Model: SGD770 | Scale: NTS | Sheet: 1 of 23 | Drawing No.: PGT0002 |
| Rev: C2 | | | |

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 14-0123-10 Expiration Date 02/17/2015
 By: [Signature]
 Miami Dade Product Control



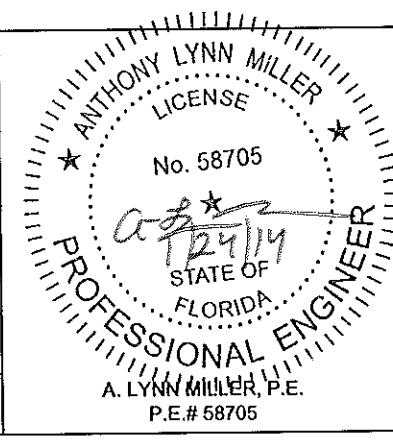
APPROVED CONFIGURATIONS:



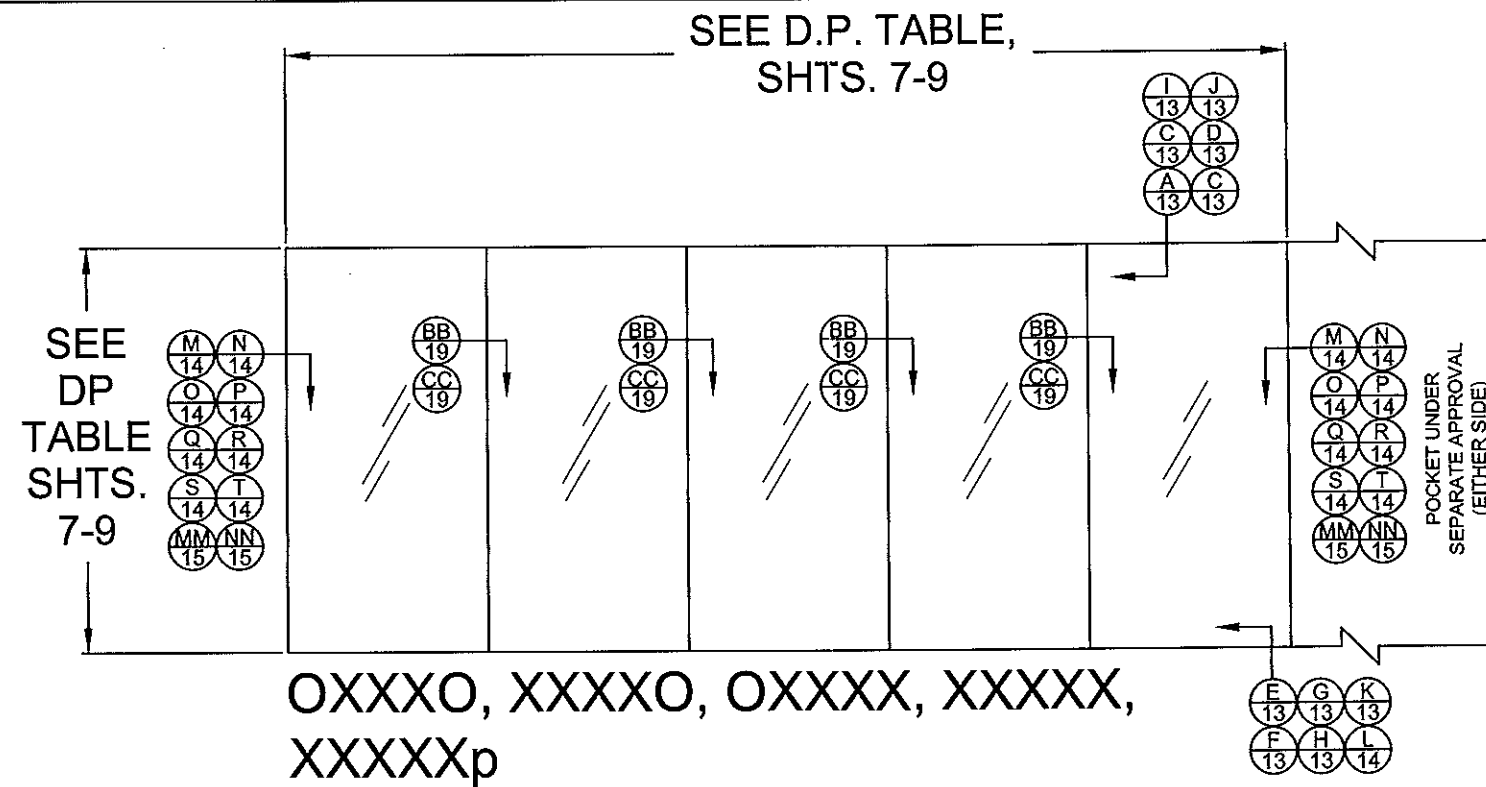
POCKET DOORS:

ALL CONFIGURATIONS SHOWN ALSO AVAILABLE AS POCKET DOORS AT EITHER JAMB LOCATION USING DETAIL "S" OR "T" INSTALLATION. EXAMPLE:
 XXXX IN POCKET CONFIGURATION CAN BE pXXXXp, pXXXX OR XXXXp. OXXX IN POCKET CONFIGURATION CAN BE OXXXp. POCKET DOOR REQUIRES OPERABLE PANEL.
 X SIGNIFIES OPERABLE PANEL, O SIGNIFIES INOPERABLE PANEL.

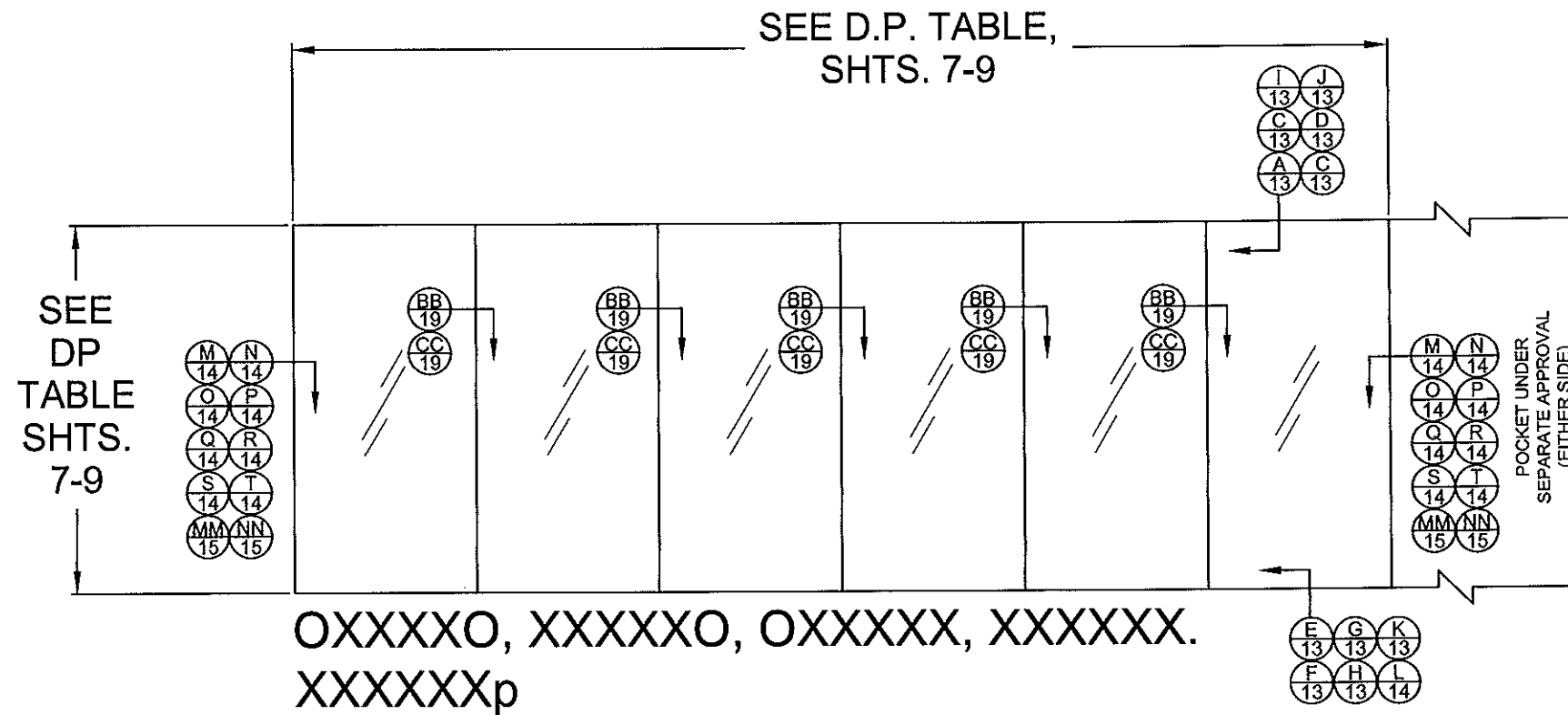
PRODUCT REVISED
 as complying with the Florida
 Building Code 14-0123.10
 Acceptance No.
 Expiration Date 02/17/2015
 By: *[Signature]*
 Miami Dade Product Control



| | | | | | | | | | |
|------------------|----------------|---------------|--------------------------|--|--|---------------------------------------|------------|----------------|---------------------|
| Revised By: J.J. | Date: 10/11/11 | Revisions: C | NO CHANGE THIS SHEET | 1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274 | | Description: QUALIFIED CONFIGURATIONS | | | |
| Revised By: JR | Date: 01/23/14 | Revisions: C2 | NO CHANGES TO THIS SHEET | | | Title: SERIES 770 ALUM. SGD - LMI | | | |
| Revised By: | Date: | Revisions: | | | | Series/Model: SGD770 | Scale: NTS | Sheet: 2 of 23 | Drawing No: PGT0002 |
| Drawn By: SMC | Date: 08/05/09 | Checked By: | Date: | | | | | | |

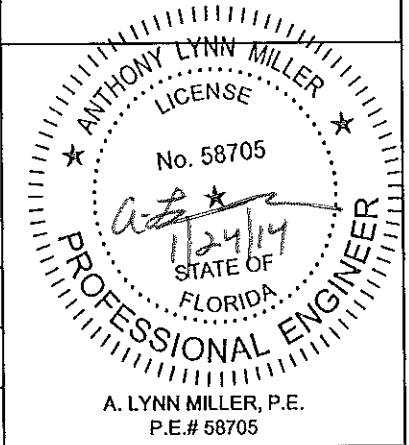


SEE 90° CORNER EXAMPLE AND POCKET DOOR NOTE ON SHEET 2



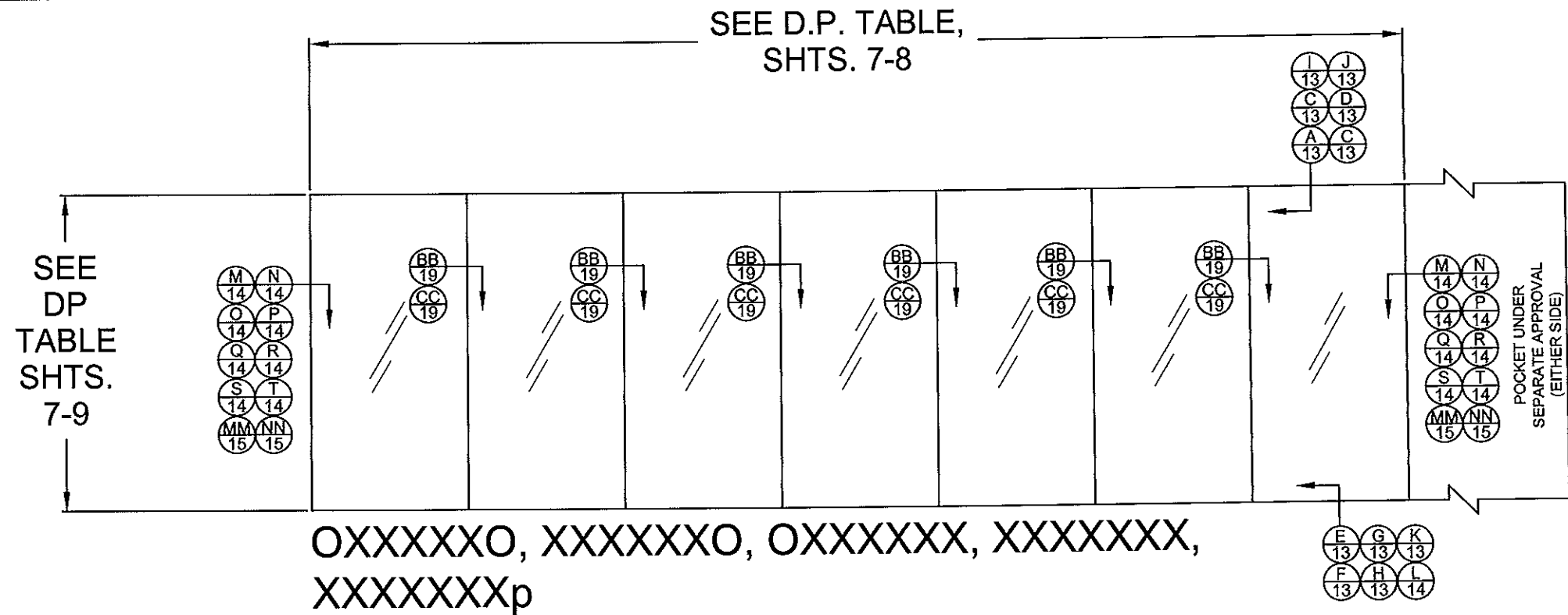
APPROVED CONFIGURATIONS

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 14-0123.10
 Expiration Date 02/17/2015
 By [Signature]
 Miami Dade Product Control

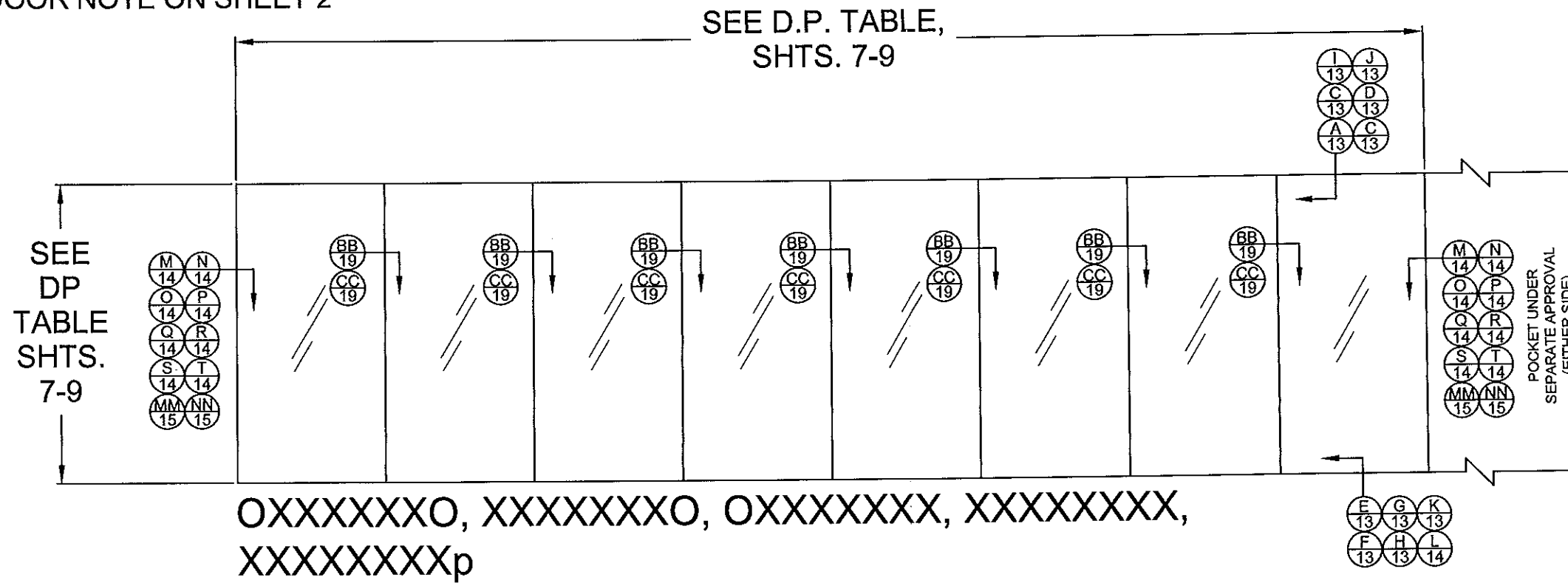


| | | | | | | | | | | |
|----------------|----------------|---------------|--------------------------|--|--|--|------------|----------------|-------------------------------------|---------|
| Revsd By: J.J. | Date: 10/11/11 | Revisions: C | NO CHANGE THIS SHEET | 1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274 | | Description: QUALIFIED CONFIGURATIONS | | | | |
| Revsd By: JR | Date: 01/23/14 | Revisions: C2 | NO CHANGES TO THIS SHEET | | | Title: SERIES 770 ALUM. SGD - LMI | | | | |
| Revsd By: | Date: | Revisions: | | | | Series/Model: SGD770 | Scale: NTS | Sheet: 3 of 23 | Drawing No. PGT0002 | Rev: C2 |
| Drawn By: SMC | Date: 08/05/09 | Checked By: | Date: | | | | | | A. LYNN MILLER, P.E. P.E.# 58705 | |

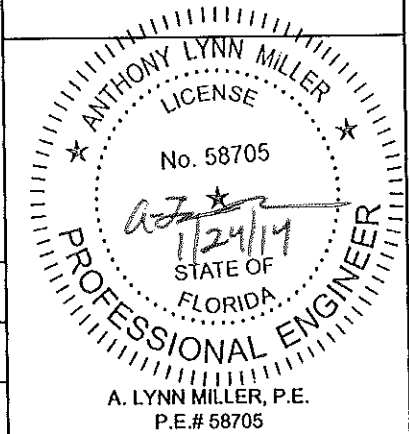
APPROVED CONFIGURATIONS:



SEE 90° CORNER EXAMPLE AND POCKET DOOR NOTE ON SHEET 2



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 14-0123.10
 Expiration Date 02/17/2015
 By: *[Signature]*
 Miami Dade Product Control

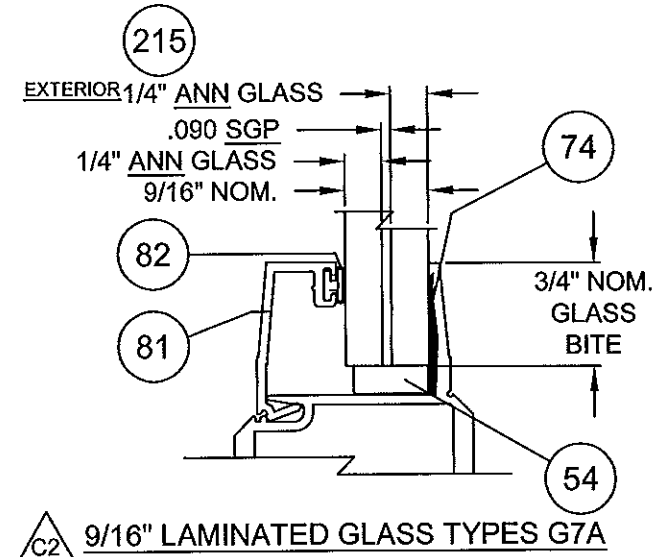
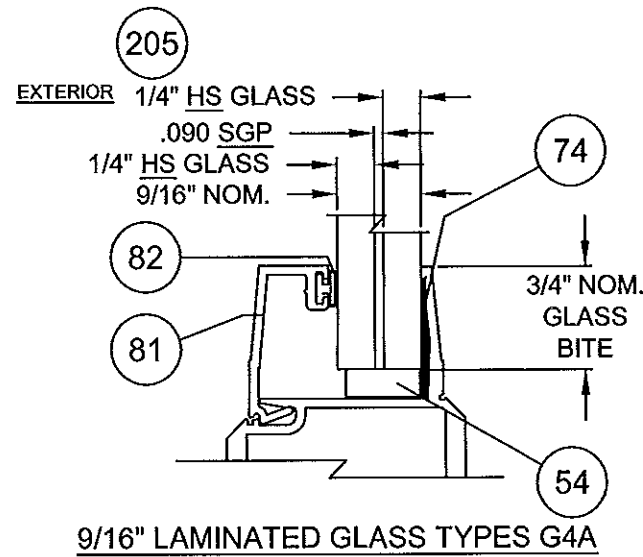
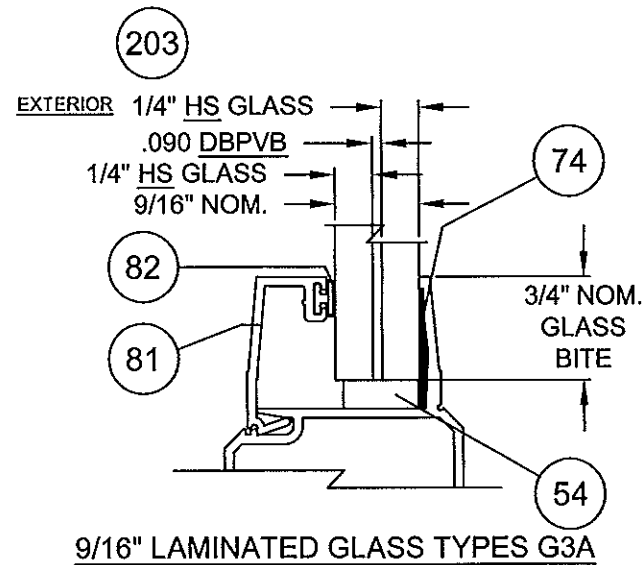
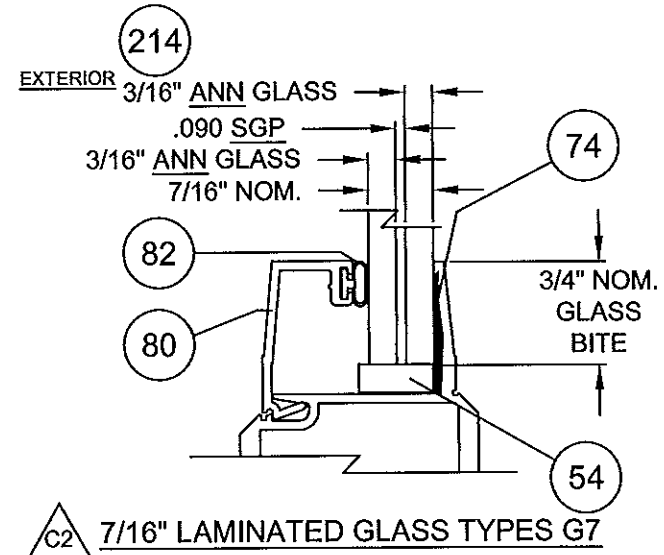
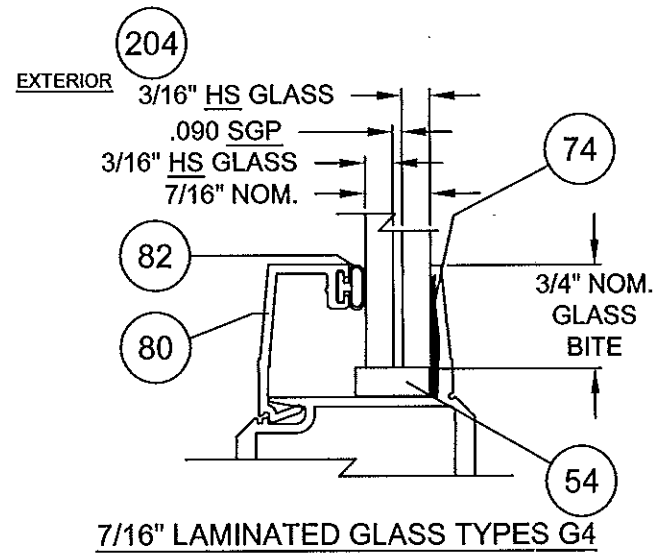
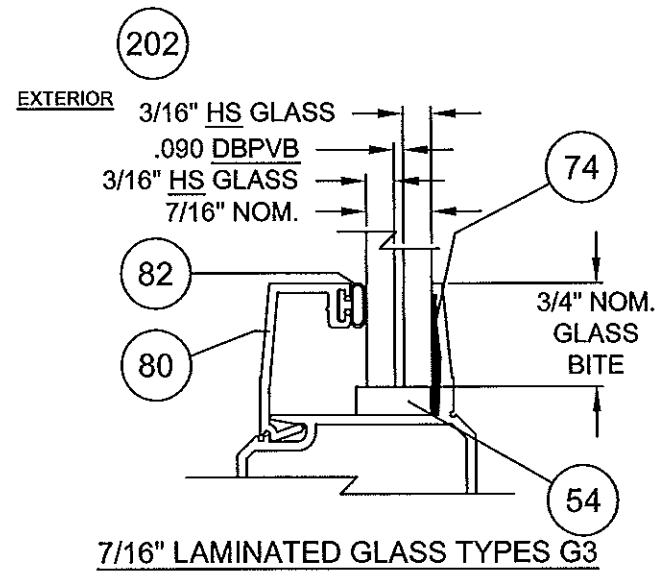


| | | | |
|------------------|----------------|---------------|--------------------------|
| Revised By: J.J. | Date: 10/11/11 | Revisions: C | NO CHANGE THIS SHEET |
| Revised By: JR | Date: 01/23/14 | Revisions: C2 | NO CHANGES TO THIS SHEET |
| Revised By: | Date: | Revisions: | |
| Drawn By: SMC | Date: 08/05/09 | Checked By: | Date: |

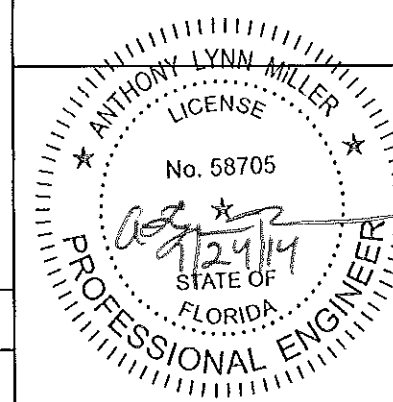
1070 TECHNOLOGY DRIVE
 NOKOMIS, FL 34275
 P.O. BOX 1529
 NOKOMIS, FL 34274



| | | | |
|---------------------------------------|------------|----------------|---------------------|
| Description: QUALIFIED CONFIGURATIONS | | | |
| Title: SERIES 770 ALUM. SGD - LMI | | | |
| Series/Model: SGD770 | Scale: NTS | Sheet: 4 of 23 | Drawing No. PGT0002 |
| | | | Rev: C2 |

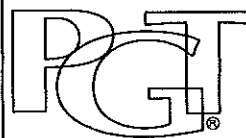


PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0123.10
Expiration Date 02/17/2018
By: *[Signature]*
Miami Dade Product Control



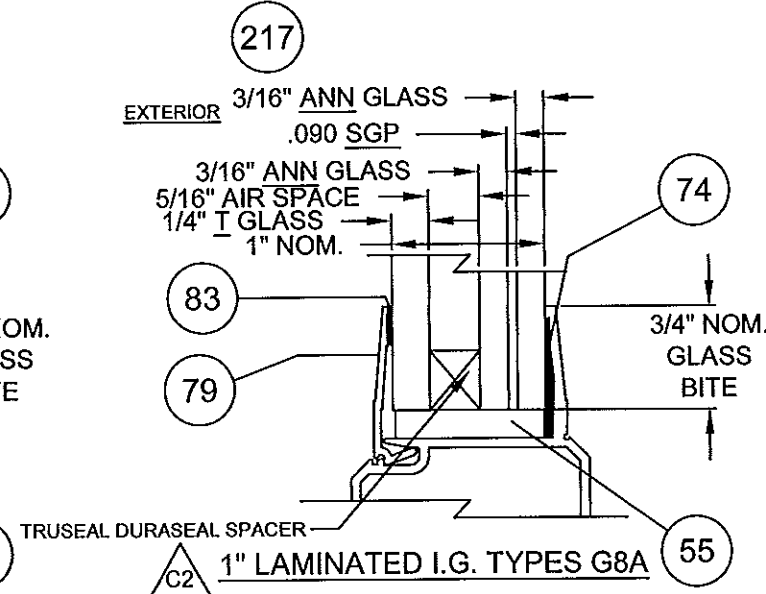
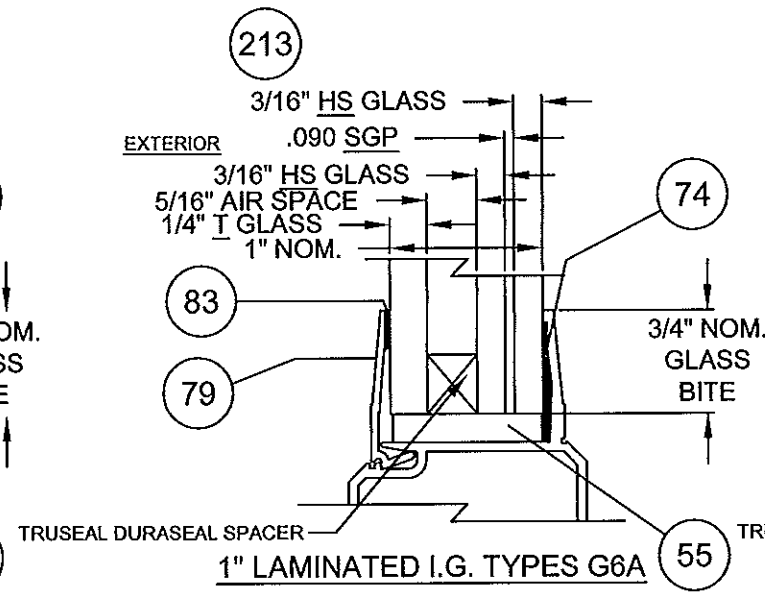
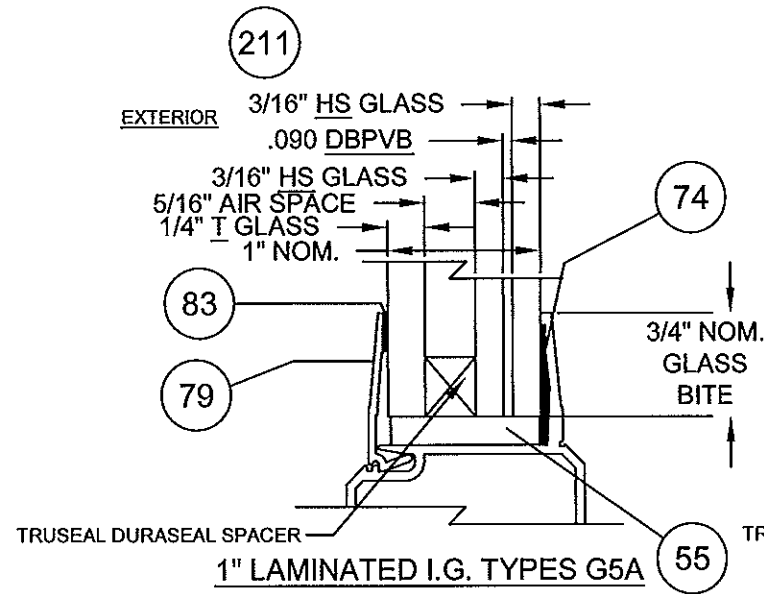
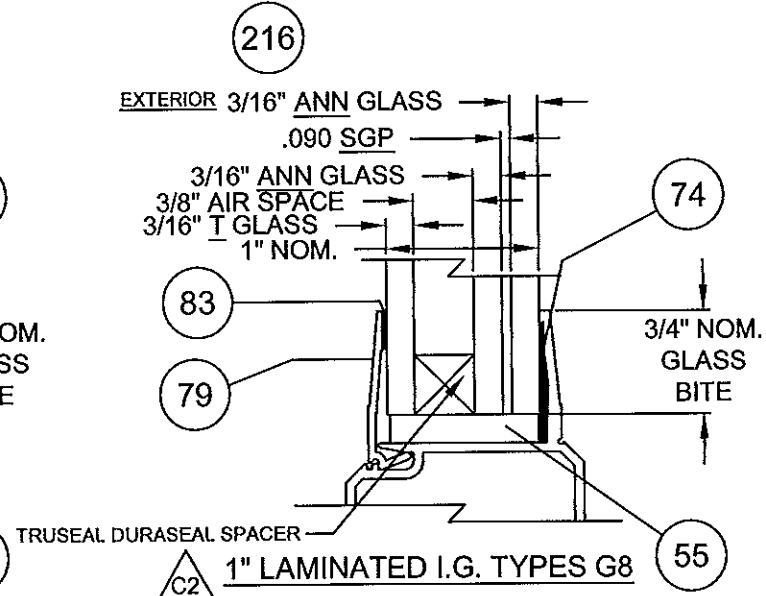
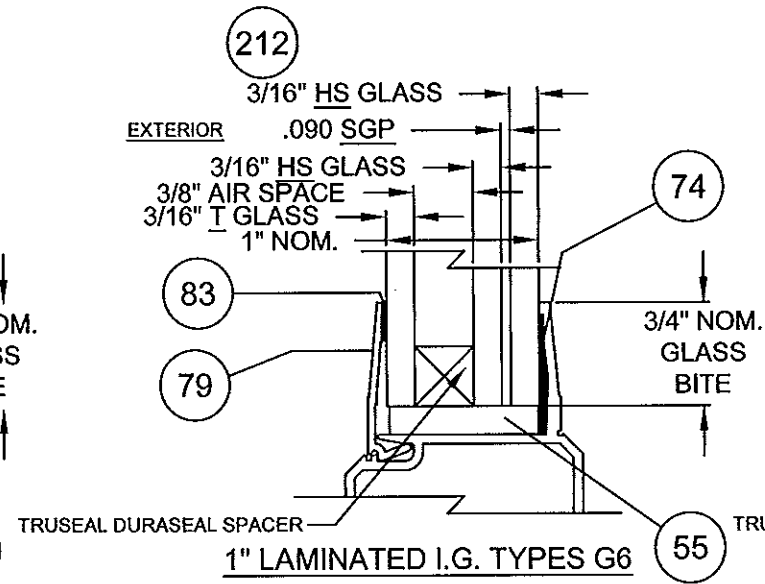
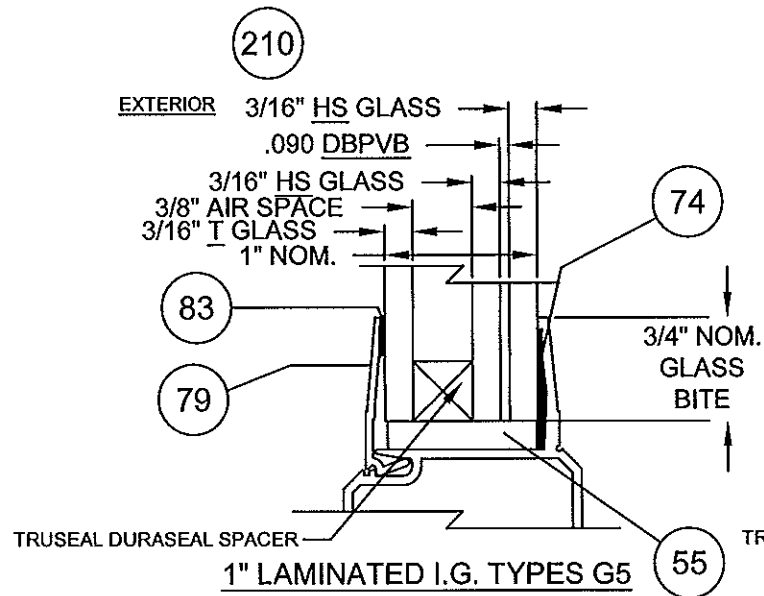
| | | | |
|----------------|----------------|---------------|---|
| Revsd By: J.J. | Date: 10/11/11 | Revisions: C | NO CHANGE THIS SHEET |
| Revsd By: JR | Date: 01/23/14 | Revisions: C2 | ADDED GLAZING TYPES G7, (#214) & G7A, (#215). |
| Revsd By: | Date: | Revisions: | |
| Drawn By: SMC | Date: 08/05/09 | Checked By: | Date: |

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

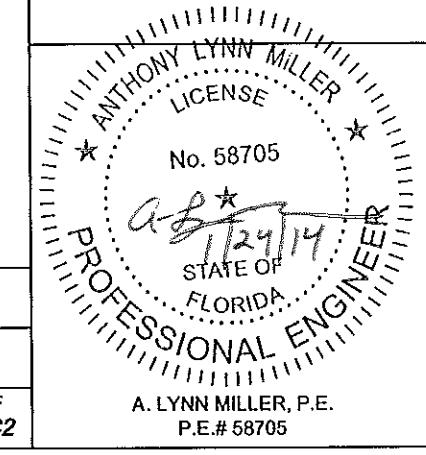


| | | | |
|--------------------------------------|------------|----------------|---------------------|
| Description: GLAZING DETAILS | | | |
| Title: SERIES 770 ALUMINUM SGD - LMI | | | |
| Series/Model: SGD770 | Scale: NTS | Sheet: 5 of 23 | Drawing No. PGT0002 |
| | | | Rev: C2 |

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



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 14-0123.10
 Expiration Date 02/17/2018
 By [Signature]
 Miami Dade Product Control



| | | | |
|------------------|----------------|-----------------|---|
| Revised By: J.J. | Date: 10/11/11 | Revisions: C | NO CHANGE THIS SHEET |
| Revised By: JR | Date: 01/23/14 | Revisions: C2 | ADDED GLAZING TYPES G8, (#216) & G8A, (#217). |
| Revised By: | Date: | Revisions: | |
| Drawn By: SMC | Date: 08/05/09 | Checked By: RJA | Date: |

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



| | | | |
|--------------------------------------|------------|----------------|---------------------|
| Description: GLAZING DETAILS | | | |
| Title: SERIES 770 ALUMINUM SGD - LMI | | | |
| Series/Model: SGD770 | Scale: NTS | Sheet: 6 of 23 | Drawing No. PGT0002 |
| | | | Rev. C2 |

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

DESIGN PRESSURE AND ANCHORAGE - UN-REINFORCED - STANDARD STILE - STANDARD ASTRAGAL TABLE 1.

> HEAD & SILL (H&S) INTERLOCK, STRAIGHT & CORNER ASTRAGAL CLUSTER PLUS INTERMEDIATE ANCHOR QTY. PER PANEL H & S,
 > JAMB ANCHOR QTY. >P-HOOK ANCHOR QTY.

- G3 - 7/16" LAMNATED GLASS - (3/16" H.S. / PVB / 3/16" H.S.)
- G3A - 9/16" LAMNATED GLASS - (1/4" H.S. / PVB / 1/4" H.S.)
- G5 - 7/16" LAMNATED I.G.U. - (3/16" TEMP. / AIR / 3/16" H.S. / PVB / 3/16" H.S.)
- G5A - 7/16" LAMNATED I.G.U. - (1/4" TEMP. / AIR / 3/16" H.S. / PVB / 3/16" H.S.)
- G7 - 7/16" LAMNATED GLASS - (3/16" ANN. / SGP / 3/16" ANN.)
- G7A - 9/16" LAMNATED GLASS - (1/4" ANN. / SGP / 1/4" ANN.)
- G8 - 7/16" LAMNATED I.G.U. - (3/16" TEMP. / AIR / 3/16" ANN. / SGP / 3/16" ANN.)
- G8A - 7/16" LAMNATED I.G.U. - (1/4" TEMP. / AIR / 3/16" ANN. / SGP / 3/16" ANN.)

- Anchor Types:
- 1) *1/4" ELCO ULTRACON (FORMERLY TAPCON)
 - 2) *1/4" SS4 CRETE-FLEX
 - 3) *5/16" ULTRACON
 - 4) *#12 STEEL SCREW (G5)
- * SEE ANCHORAGE NOTES 1 & 2 ON SHEET 1.

| NOM. PANEL WMDTH | FRAME SIDE | UNIT HEIGHT | | | | | | | | | | | |
|------------------------|------------|-------------|-------|------|------|-------|------|------|-------|------|------|-------|------|
| | | 80 | | | 84 | | | 90 | | | 96 | | |
| GLASS TYPE - ALL ABOVE | | +60 | -60.0 | | +60 | -60.0 | | +60 | -60.0 | | +60 | -60.0 | |
| 24 | H&S | C4+1 | C4+1 | C4+2 | C4+1 | C4+1 | C4+2 | C4+1 | C4+1 | C4+2 | C4+1 | C4+1 | C4+2 |
| | JAMB | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | P-HOOK | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 30 | H&S | C4+1 | C4+1 | C4+2 | C4+1 | C4+1 | C4+2 | C4+1 | C4+1 | C4+2 | C4+1 | C4+1 | C4+2 |
| | JAMB | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | P-HOOK | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 36 | H&S | C4+1 | C4+1 | C4+2 | C4+1 | C4+1 | C4+2 | C4+1 | C4+1 | C4+2 | C4+1 | C4+1 | C4+2 |
| | JAMB | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | P-HOOK | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 |
| 42 | H&S | C4+1 | C4+1 | C4+2 | C4+1 | C4+1 | C4+2 | C4+1 | C4+1 | C4+2 | C4+1 | C4+1 | C4+2 |
| | JAMB | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | P-HOOK | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 |
| 48 | H&S | C4+1 | C4+1 | C4+2 | C4+1 | C4+1 | C4+2 | C4+1 | C4+1 | C4+2 | C4+1 | C4+1 | C4+2 |
| | JAMB | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | P-HOOK | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |

1. POSITIVE PRESSURES IN TABLE ARE BASED ON THE USE OF THE 3 1/4 SILL.
2. WHEN USING THE 2 1/2" SILL, POSITIVE WATER DP IS 46.67 PSF MAX. WHEN USING THE 4" SILL POSITIVE WATER DP IS 60.0 PSF MAX. (NEGATIVE PRESSURES UNCHANGED). SEE TABLE 1A.
3. 4", 3 1/4" AND 2 1/2" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS THE 1 1/2" SILL IS NOT AND MUST ONLY BE USED WHERE WATER RESISTANCE IS NOT REQUIRED. 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 10 THROUGH 15 FOR ANCHORAGE SPACING AND EMBEDMENT INFORMATION.
5. DOOR SIZE TO COMPLY WITH FBC EGRESS REQUIREMENTS.

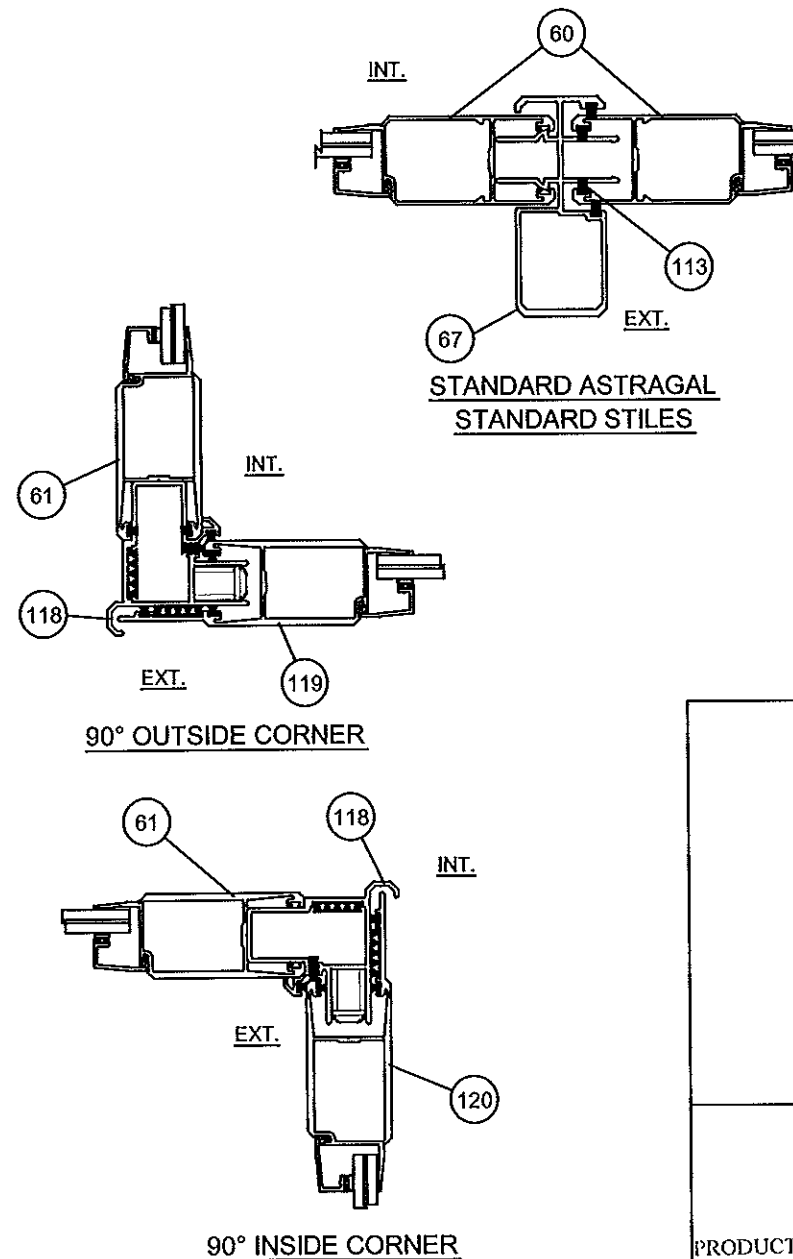
○ = EXAMPLE ON SHEET 10

| SILL HT. VS POS. DP | |
|---------------------|-----------------|
| 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" | + 60.0 PSF |

SEE NOTES 1-3

DLO WIDTH = NOM. PANEL WIDTH - 7"

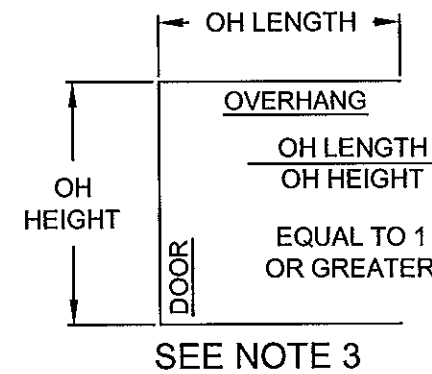
DLO HEIGHT = NOM. PANEL HEIGHT - 8.25"



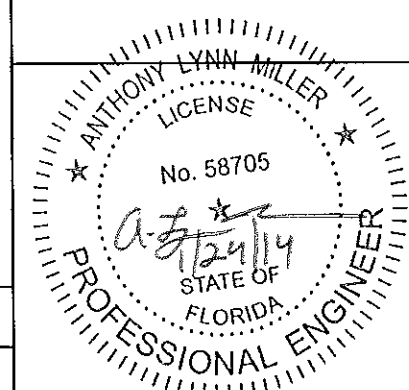
STANDARD ASTRAGAL
STANDARD STILES

90° OUTSIDE CORNER

90° INSIDE CORNER



PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No. 14-0123-10
 Expiration Date 02/17/2016
 By: *[Signature]*
 Miami Dade Product Control



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

| | | | |
|------------------|----------------|---------------|---|
| Revised By: J.J. | Date: 10/11/11 | Revisions: C | NO CHANGE THIS SHEET |
| Revised By: JR | Date: 01/23/14 | Revisions: C2 | ADDED GLAZING TYPES G7, G7A, G8 & G8A TO TABLE 1. |
| Revised By: | Date: | Revisions: | |
| Drawn By: SMC | Date: 08/05/09 | Checked By: | Date: |

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274



| | | | |
|--------------------------------------|------------|----------------|---------------------|
| Description: DP AND ANCHORAGE | | | |
| Title: SERIES 770 ALUMINUM SGD - LMI | | | |
| Series/Model: SGD770 | Scale: NTS | Sheet: 7 of 23 | Drawing No. PGT0002 |
| | | | Rev: C2 |

DESIGN PRESSURE AND ANCHORAGE - UN-REINFORCED - HEAVY DUTY STILE - STANDARD ASTRAGAL

TABLE 2.

> HEAD & SILL (H&S) INTERLOCK & STRAIGHT & CORNER ASTRAGAL CLUSTER PLUS INTERMEDIATE ANCHOR QTY. PER PANEL H & S,
> JAMB ANCHOR QTY. > P-HOOK ANCHOR QTY.

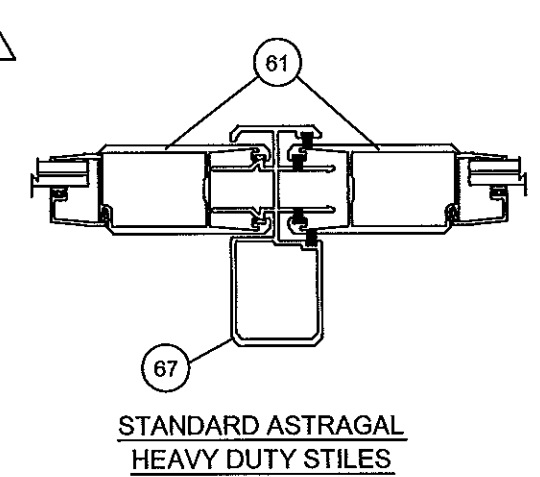
G4 - 7/16" LAMINATED GLASS - (3/16" H.S. / SGP / 3/16" H.S.)
G4A - 9/16" LAMINATED GLASS - (1/4" H.S. / SGP / 1/4" H.S.)
G6 - 7/16" LAMINATED I.G.U. - (3/16" TEMP. / AIR / 3/16" H.S. / SGP / 3/16" ANN.)
G6A - 7/16" LAMINATED I.G.U. - (1/4" TEMP. / AIR / 3/16" H.S. / SGP / 3/16" ANN.)

G7 - 7/16" LAMINATED GLASS - (3/16" ANN. / SGP / 3/16" ANN.)
G7A - 9/16" LAMINATED GLASS - (1/4" ANN. / SGP / 1/4" ANN.)
G8 - 7/16" LAMINATED I.G.U. - (3/16" TEMP. / AIR / 3/16" ANN. / SGP / 3/16" ANN.)
G8A - 7/16" LAMINATED I.G.U. - (1/4" TEMP. / AIR / 3/16" ANN. / SGP / 3/16" ANN.)

Anchor Types:
1) *1/4" ELCO ULTRACON (FORMERLY TAPCON)
2) *1/4" SS4 CRETE-FLEX
3) *5/16" ULTRACON
4) *#12 STEEL SCREW (G5)
* SEE ANCHORAGE NOTES 1 & 2 ON SHEET 1.

| NOM. PANEL WIDTH | FRAME SIDE | UNIT HEIGHT | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|------------|-------------|--------|----------|----------|--------|----------|----------|--------|----------|----------|--------|----------|----------|--------|----------|----------|--------|----------|----------|--------|----------|----------|--------|----------|------|-------|------|---|---|
| | | 80 | | | 84 | | | 90 | | | 96 | | | 102 | | | 108 | | | 114 | | | 120 | | | | | | | |
| | | 1,2-CONC | 3-CONC | 2,4-WOOD | 1,2-CONC | 3-CONC | 2,4-WOOD | 1,2-CONC | 3-CONC | 2,4-WOOD | 1,2-CONC | 3-CONC | 2,4-WOOD | 1,2-CONC | 3-CONC | 2,4-WOOD | 1,2-CONC | 3-CONC | 2,4-WOOD | 1,2-CONC | 3-CONC | 2,4-WOOD | 1,2-CONC | 3-CONC | 2,4-WOOD | | | | | |
| GLASS TYPE - ALL ABOVE | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | | |
| 24 | Anchor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | H&S | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | | |
| | JAMB | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | | |
| P-HOOK | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| GLASS TYPE - ALL ABOVE | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | | |
| 30 | Anchor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | H&S | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | | |
| | JAMB | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | | |
| P-HOOK | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| GLASS TYPE - ALL ABOVE | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | | |
| 36 | Anchor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | H&S | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | | |
| | JAMB | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | | |
| P-HOOK | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| GLASS TYPE - ALL ABOVE | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | | |
| 42 | Anchor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | H&S | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | | |
| | JAMB | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | | |
| P-HOOK | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | | | |
| GLASS TYPE - ALL ABOVE | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | | |
| 48 | Anchor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | H&S | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | C4+1 | C4+1 | C6+2 | | |
| | JAMB | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | | |
| P-HOOK | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| GLASS TYPE - ALL ABOVE | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | | |
| 54 | Anchor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | H&S | C4+2 | C4+2 | C5+2 | C4+2 | C4+2 | C5+2 | C4+2 | C4+2 | C5+2 | C4+2 | C4+2 | C5+2 | C4+2 | C4+2 | C5+2 | C4+2 | C4+2 | C5+2 | C4+2 | C4+2 | C5+2 | C4+2 | C4+2 | C5+2 | C4+2 | C4+2 | C5+2 | | |
| | JAMB | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | |
| P-HOOK | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| GLASS TYPE - ALL ABOVE | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | 60.0 | -60.0 | | | |
| 60 | Anchor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | H&S | C4+2 | C4+2 | C5+2 | C4+2 | C4+2 | C5+2 | C4+2 | C4+2 | C5+2 | C4+2 | C4+2 | C5+2 | C4+2 | C4+2 | C5+2 | C4+2 | C4+2 | C5+2 | C4+2 | C4+2 | C5+2 | C4+2 | C4+2 | C5+2 | C4+2 | C4+2 | C5+2 | | |
| | JAMB | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | |
| P-HOOK | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |

PANELS OVER 48" WIDE NOT AVAILABLE OVER 96" HIGH



SEE SHEET 7 OR 9 FOR 90° INSIDE & OUTSIDE CORNER DEPICTION

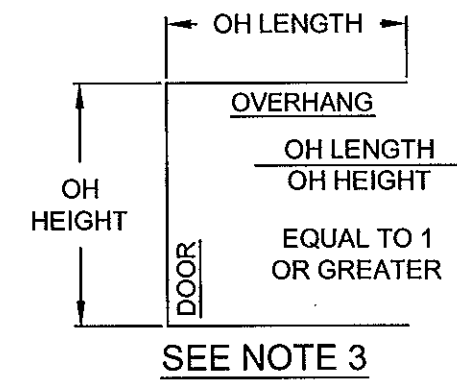
DLO WIDTH = NOM. PANEL WIDTH - 7"
DLO HEIGHT = NOM. PANEL HEIGHT - 8.25"

1. POSITIVE PRESSURES IN TABLE ARE BASED ON THE USE OF THE 3 1/4" SILL.
2. WHEN USING THE 2 1/2" SILL, POSITIVE DP IS 46.67 PSF MAX. WHEN USING THE 4" SILL POSITIVE DP IS 60.0 MAX. (NEGATIVE PRESSURES UNCHANGED). SEE TABLE 2A.
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 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. SEE SHEETS 10 THROUGH 15 FOR ANCHORAGE SPACING AND EMBEDMENT INFORMATION.
5. DOOR SIZE TO COMPLY WITH FBC EGRESS REQUIREMENTS.

○ = EXAMPLE ON SHEET 10

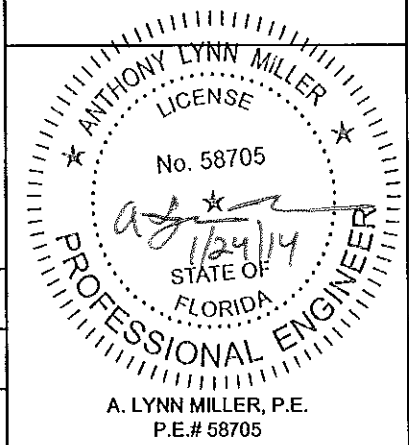
| SILL HT. VS POS. DP | |
|---------------------|-----------------|
| SILL RISE HEIGHT | (+) DESIGN LOAD |
| FLUSH - 1-1/2" | N/A |
| LOW - 2-1/2" | + 46.67 PSF |
| MED - 3-1/4" | + 60.0 PSF |
| HIGH - 4" | + 60.0 PSF |

SEE NOTES 1-3



SEE NOTE 3

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 14-0123-10
Expiration Date 02/17/2018
By [Signature]
Miami Dade Product Control



| | | | |
|------------------|----------------|---------------|---|
| Revised By: J.J. | Date: 10/11/11 | Revisions: C | NO CHANGE THIS SHEET |
| Revised By: JR | Date: 01/23/14 | Revisions: C2 | ADDED GLAZING TYPES G7, G7A, G8 & G8A TO TABLE 2. |
| Revised By: | Date: | Revisions: | |
| Drawn By: SMC | Date: 08/05/09 | Checked By: | Date: |

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



| | | | |
|---------------|-------------------------------|---------|--------------|
| Description: | DP AND ANCHORAGE | | |
| Title: | SERIES 770 ALUMINUM SGD - LMI | | |
| Series/Model: | Scale: | Sheet: | Drawing No.: |
| SGD770 | NTS | 8 of 23 | PGT0002 |
| Rev: | C2 | | |

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

DESIGN PRESSURE AND ANCHORAGE - UN-REINFORCED - HEAVY DUTY STILE - HEAVY DUTY ASTRAGAL TABLE 3.

> HEAD & SILL (H&S) INTERLOCK, STRAIGHT & CORNER ASTRAGAL CLUSTER PLUS INTERMEDIATE ANCHOR QTY. PER PANEL H & S,
 > JAMB ANCHOR QTY. >P-HOOK ANCHOR QTY.

- G4 - 7/16" LAMINATED GLASS - (3/16" H.S. / SGP / 3/16" H.S.)
- G4A - 9/16" LAMINATED GLASS - (1/4" H.S. / SGP / 1/4" H.S.)
- G6 - 7/16" LAMINATED I.G.U. - (3/16" TEMP. / AIR / 3/16" H.S. / SGP / 3/16" H.S.)
- G6A - 7/16" LAMINATED I.G.U. - (1/4" TEMP. / AIR / 3/16" H.S. / SGP / 3/16" H.S.)
- G7 - 7/16" LAMINATED GLASS - (3/16" ANN. / SGP / 3/16" ANN.)
- G7A - 9/16" LAMINATED GLASS - (1/4" ANN. / SGP / 1/4" ANN.)
- G8 - 7/16" LAMINATED I.G.U. - (3/16" TEMP. / AIR / 3/16" ANN. / SGP / 3/16" ANN.)
- G8A - 7/16" LAMINATED I.G.U. - (1/4" TEMP. / AIR / 3/16" ANN. / SGP / 3/16" ANN.)

- Anchor Types:
- 1) *1/4" ELCO ULTRACON (FORMERLY TAPCON)
 - 2) *1/4" SS4 CRETE-FLEX
 - 3) *5/16" ULTRACON
 - 4) #12 STEEL SCREW (G5)
- *SEE ANCHORAGE NOTES 1 & 2 ON SHEET 1.

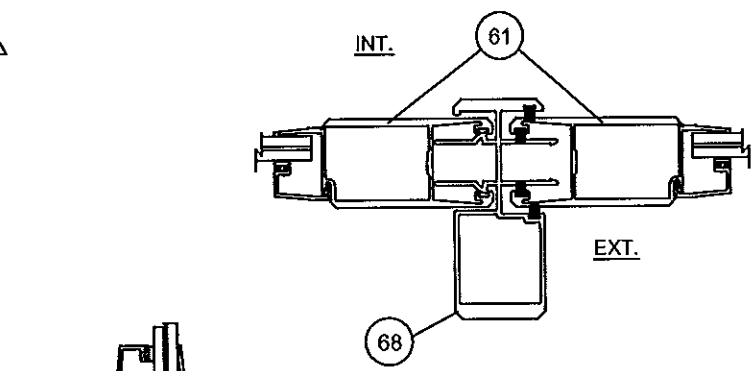
| NOM. PANEL WIDTH | FRAME SIDE | UNIT HEIGHT | | | | | | | | | | | |
|------------------------|------------|-------------|----------|-------------|-------------|----------|-------------|-------------|----------|-------------|-------------|----------|-------------|
| | | 80 | | | 84 | | | 90 | | | 96 | | |
| | | 1, 2 - CONC | 3 - CONC | 2, 4 - WOOD | 1, 2 - CONC | 3 - CONC | 2, 4 - WOOD | 1, 2 - CONC | 3 - CONC | 2, 4 - WOOD | 1, 2 - CONC | 3 - CONC | 2, 4 - WOOD |
| GLASS TYPE - ALL ABOVE | | 90.0 | -90.0 | | 90.0 | -90.0 | | 90.0 | -90.0 | | 90.0 | -90.0 | |
| 24 | Anchor | H&S | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 |
| | | JAMB | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | | P-HOOK | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| GLASS TYPE - ALL ABOVE | | 90.0 | -90.0 | | 90.0 | -90.0 | | 90.0 | -90.0 | | 90.0 | -90.0 | |
| 30 | Anchor | H&S | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 |
| | | JAMB | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | | P-HOOK | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| GLASS TYPE - ALL ABOVE | | 90.0 | -90.0 | | 90.0 | -90.0 | | 90.0 | -90.0 | | 90.0 | -90.0 | |
| 36 | Anchor | H&S | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 |
| | | JAMB | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | | P-HOOK | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 |
| GLASS TYPE - ALL ABOVE | | 90.0 | -90.0 | | 90.0 | -90.0 | | 90.0 | -90.0 | | 90.0 | -90.0 | |
| 42 | Anchor | H&S | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 |
| | | JAMB | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | | P-HOOK | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 |
| GLASS TYPE - ALL ABOVE | | 90.0 | -90.0 | | 90.0 | -90.0 | | 90.0 | -90.0 | | SEE NOTE A | | |
| 48 | Anchor | H&S | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 | C6+2 |
| | | JAMB | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | | P-HOOK | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 10 | 10 |

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 3A.
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 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. SEE SHEETS 10 THROUGH 15 FOR ANCHORAGE SPACING AND EMBEDMENT INFORMATION.
5. DOOR SIZE TO COMPLY WITH FBC EGRESS REQUIREMENTS.

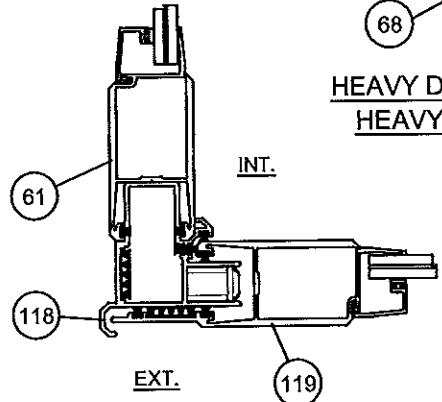
| SILL RISE HEIGHT | (+) DESIGN LOAD |
|------------------|-----------------|
| FLUSH - 1-1/2" | N/A |
| LOW - 2-1/2" | + 46.67 PSF |
| MED - 3-1/4" | + 60.0 PSF |
| HIGH - 4" | + 90.0 PSF |

SEE NOTES 1-3

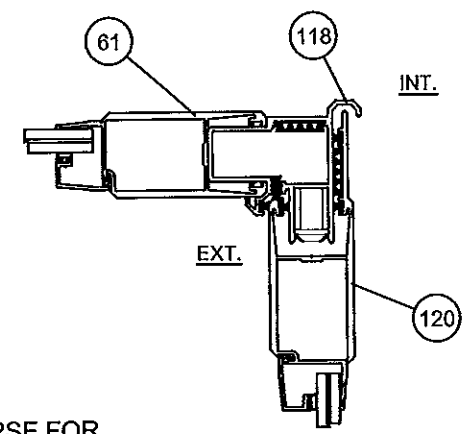
C2



HEAVY DUTY ASTRAGAL
HEAVY DUTY STILES



90° OUTSIDE CORNER

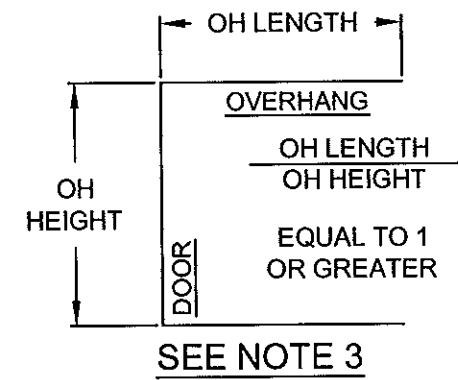


90° INSIDE CORNER

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

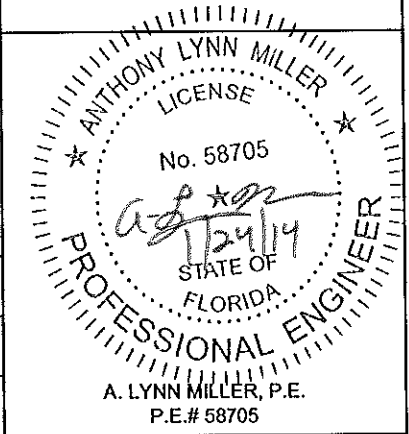
C2

NOTE A: +/- 90.0 PSF FOR GLASS TYPES 4, 4A, 6, 6A, 7A, 8 & 8A; +/-87.1 FOR GLASS TYPE 7.



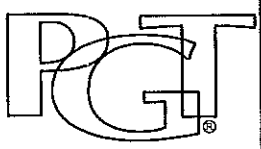
SEE NOTE 3

PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No. 14-0123.10
 Expiration Date 02/17/2019
 By [Signature]
 Miami Dade Product Control



| | | | |
|------------------|----------------|---------------|---|
| Revised By: J.J. | Date: 10/11/11 | Revisions: C | NO CHANGE THIS SHEET |
| Revised By: JR | Date: 01/23/14 | Revisions: C2 | ADDED GLAZING TYPES G7, G7A, G8 & G8A TO TABLE 3. ADDED NOTE A. |
| Revised By: | Date: | Revisions: | |
| Drawn By: SMC | Date: 08/05/09 | Checked By: | Date: |

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



| | | | |
|--------------------------------------|------------|----------------|----------------------|
| Description: DP AND ANCHORAGE | | | |
| Title: SERIES 770 ALUMINUM SGD - LMI | | | |
| Series/Model: SGD770 | Scale: NTS | Sheet: 9 of 23 | Drawing No.: PGT0002 |
| | | | Rev: C2 |

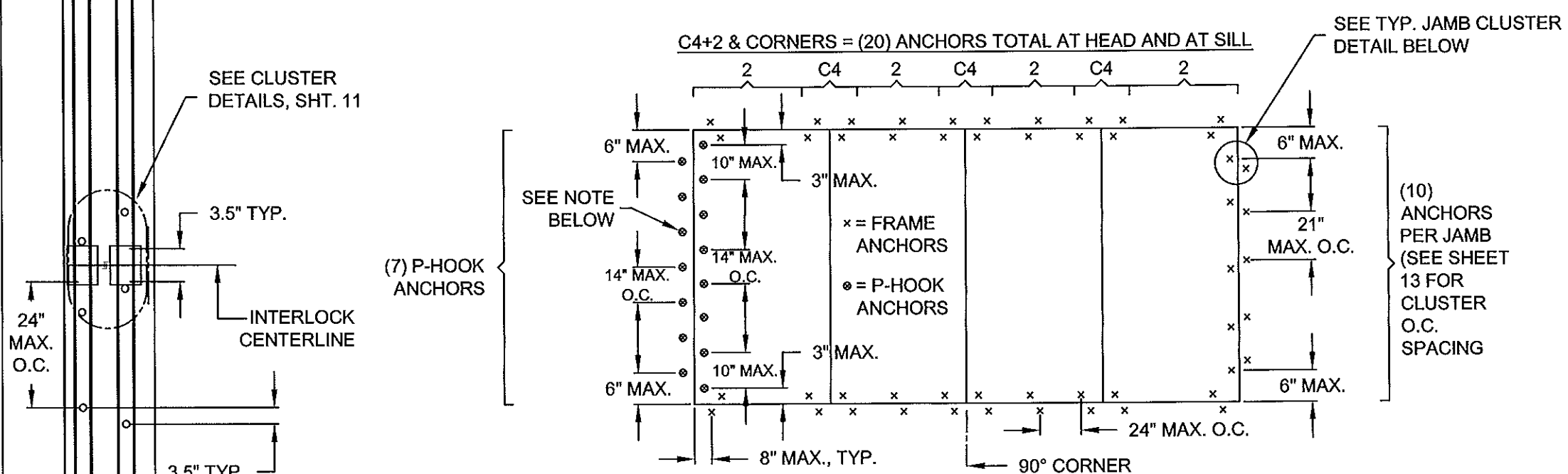
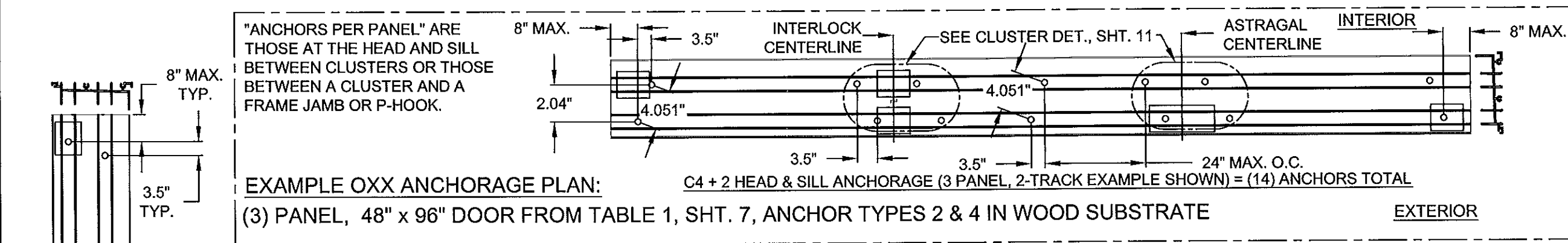
A. LYNN MILLER, P.E.
P.E.# 58705

ANCHORAGE REQUIREMENTS NOTES:

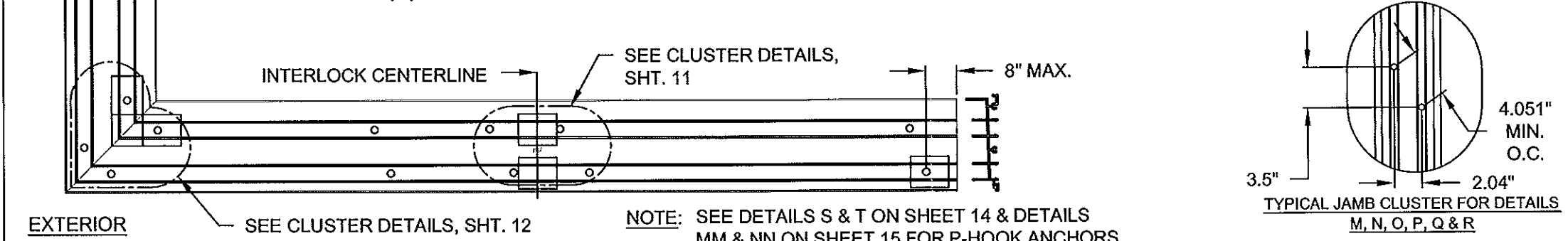
- APPROVED ANCHOR TYPES: 1) 1/4" ELCO ULTRACON (FORMERLY TAPCON) 2) 1/4" ELCO SS4 CRETE-FLEX 3) 5/16" ULTRACON 4) #12 STEEL SCREW (G5)
- ANCHOR LOCATION SPACING FOR ANCHOR QUANTITIES SPECIFIED IN TABLES 1-3, SHTS. 7-9:

HEAD & SILL..... 8" MAX. FROM FRAME CORNERS. USE SPECIFIED CLUSTER FROM APPROPRIATE TABLES, SHTS. 7-9 AT EACH INTERLOCK AND STRAIGHT AND CORNER ASTRAGAL LOCATION, PLUS SPECIFIED QUANTITY OF ADDITIONAL INTERMEDIATE ANCHORS PER PANEL (THE 8" FROM CORNER ANCHORS CAN BE INCLUDED). ADDITIONAL ANCHORS 24" MAX. O.C. SEE EXAMPLE ANCHORAGE PLANS BELOW AND EXAMPLE CLUSTERS AT ASTRAGAL, INTERLOCK & 90° CORNER ON SHT. 11-12.

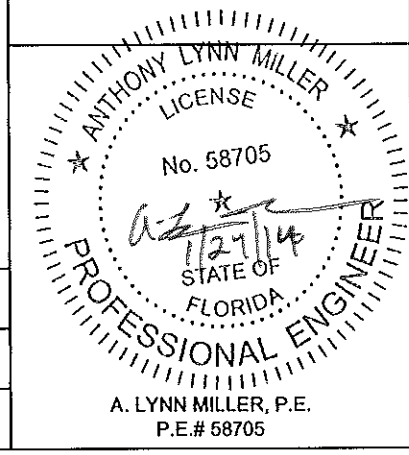
JAMBS & P-HOOKS... 6" MAX. FROM BOTTOM AND 21" MAX. O.C. UTILIZING ANCHOR QUANTITIES FROM APPROPRIATE TABLES, SHTS. 7-9. SEE P-HOOK ANCHOR DETAILS ON SHEETS 14-15.



EXAMPLE OX-90° OUTSIDE CORNER-XO CORNER ANCHORAGE PLAN:
 (4) PANEL, 60" x 96" DOOR FROM TABLE 2, SHT. 8, ANCHOR TYPE 1 & 2 IN CONCRETE SUBSTRATE

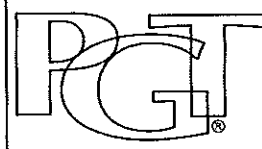


PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No. 14-0123.10
 Expiration Date 02/17/2018
 By: [Signature]
 Miami Dade Product Control

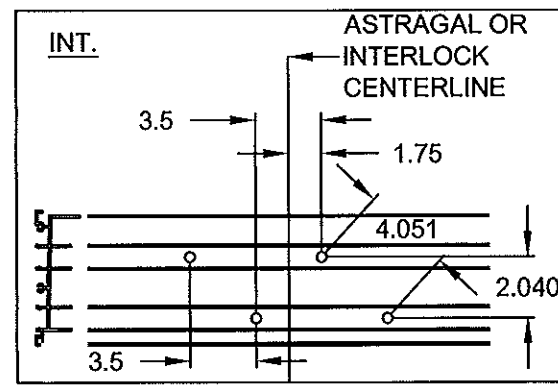


| | | | |
|----------------|----------------|-----------------|--------------------------|
| Revsd By: J.J. | Date: 10/11/11 | Revisions: C | NO CHANGE THIS SHEET |
| Revsd By: JR | Date: 01/23/14 | Revisions: C2 | NO CHANGES TO THIS SHEET |
| Revsd By: | Date: | Revisions: | |
| Drawn By: SMC | Date: 08/05/09 | Checked By: RJA | Date: |

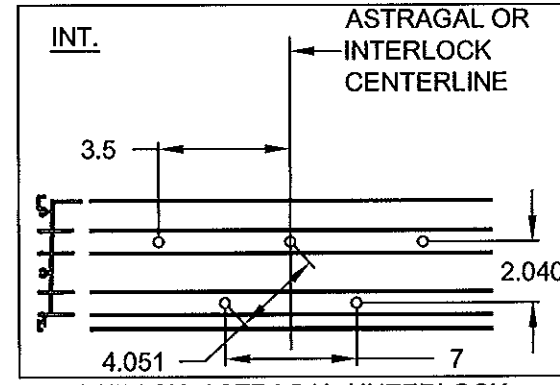
1070 TECHNOLOGY DRIVE
 NOKOMIS, FL 34275
 P.O. BOX 1529
 NOKOMIS, FL 34274



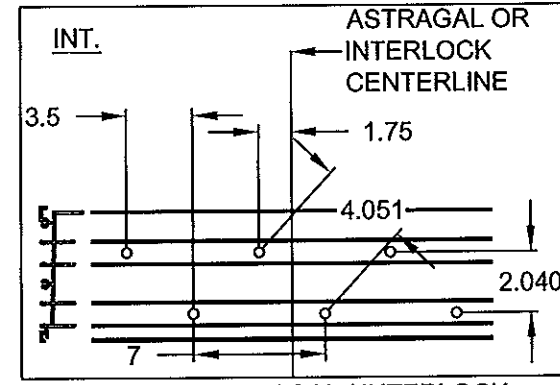
| | | | |
|--|------------|-----------------|---------------------|
| Description: ANCHORAGE SPACING & EXAMPLE PLANS | | | |
| Title: SERIES 770 ALUMINUM SGD - LMI | | | |
| Series/Model: SGD770 | Scale: NTS | Sheet: 10 of 23 | Drawing No. PGT0002 |
| | | | Rev. C2 |



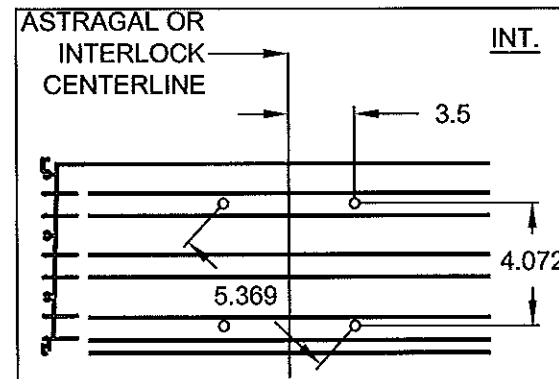
2-TRACK, ASTRAGAL / INTERLOCK
ANCHOR CLUSTER - C4



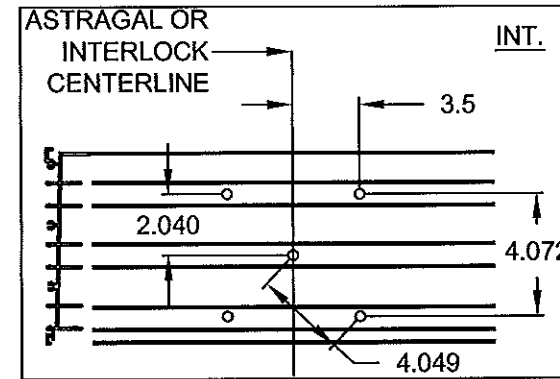
2-TRACK, ASTRAGAL / INTERLOCK
ANCHOR CLUSTER - C5



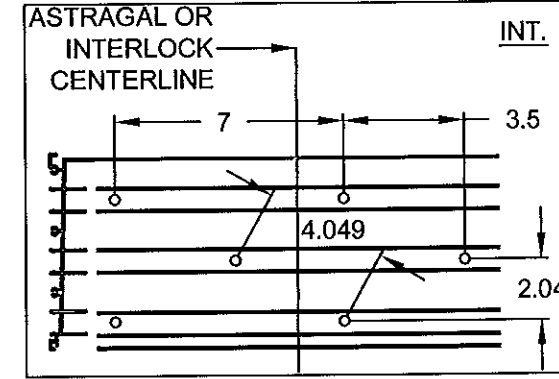
2-TRACK, ASTRAGAL / INTERLOCK
ANCHOR CLUSTER - C6



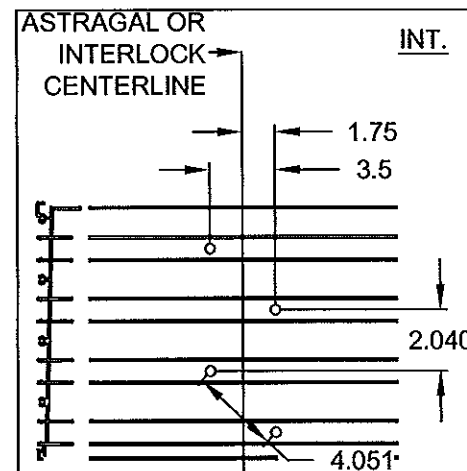
3-TRACK, ASTRAGAL / INTERLOCK
ANCHOR CLUSTER - C4



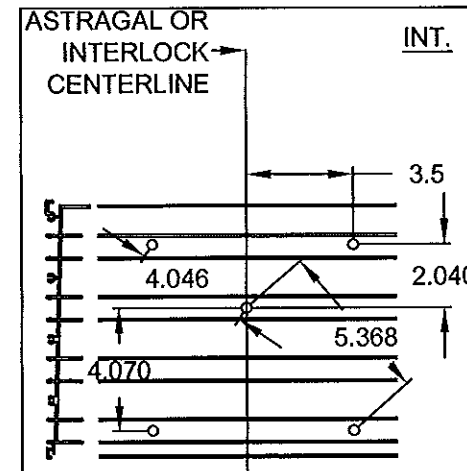
3-TRACK, ASTRAGAL / INTERLOCK
ANCHOR CLUSTER - C5



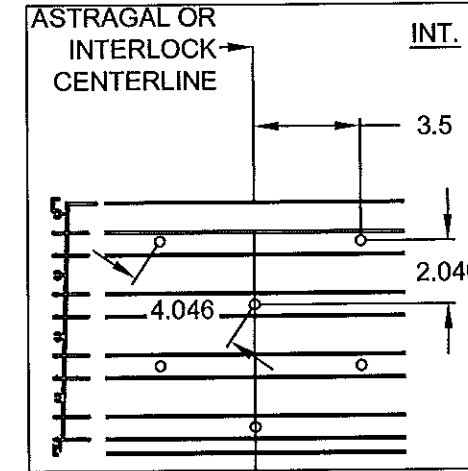
3-TRACK, ASTRAGAL / INTERLOCK
ANCHOR CLUSTER - C6



4-TRACK, ASTRAGAL / INTERLOCK
ANCHOR CLUSTER - C4



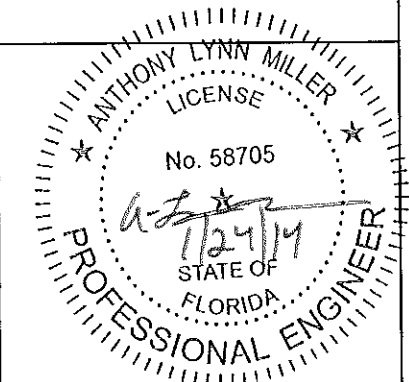
4-TRACK, ASTRAGAL / INTERLOCK
ANCHOR CLUSTER - C5



4-TRACK, ASTRAGAL / INTERLOCK
ANCHOR CLUSTER - C6

NOTE:
ALL DIMENSIONS SHOWN
ARE BASED ON MINIMUM
ALLOWED. ALL DIMENSIONS
SHOWN ARE IN INCHES.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0123.10
Expiration Date 02/17/2015
By *[Signature]*
Miami Dads Product Control



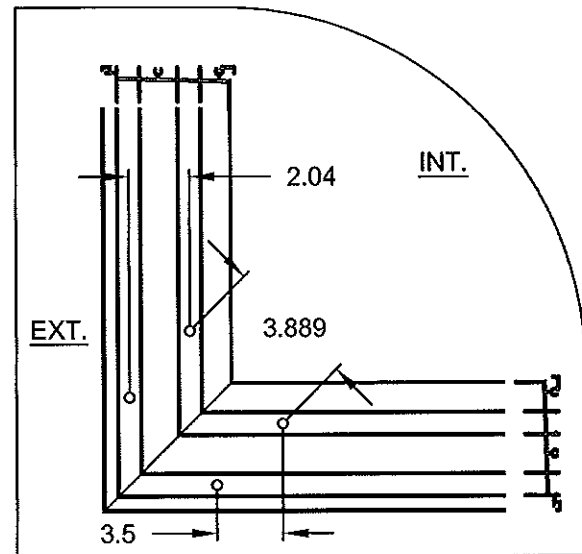
A. LYNN MILLER, P.E.
P.E.# 58705

| | | | |
|------------------|----------------|---------------|--------------------------|
| Revised By: J.J. | Date: 10/11/11 | Revisions: C | NO CHANGE THIS SHEET |
| Revised By: JR | Date: 01/23/14 | Revisions: C2 | NO CHANGES TO THIS SHEET |
| Revised By: | Date: | Revisions: | |
| Drawn By: SMC | Date: 08/05/09 | Checked By: | Date: |

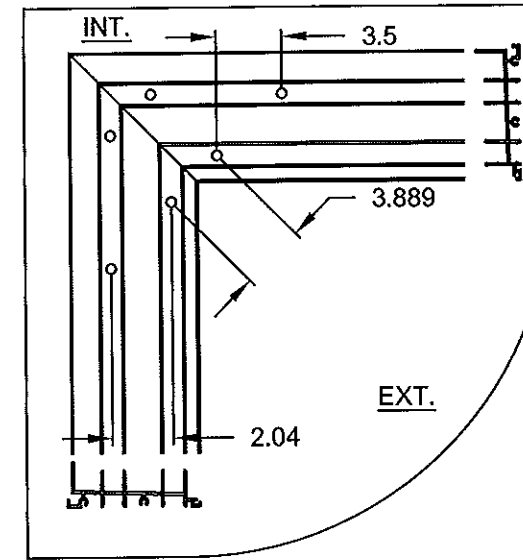
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



| | | | |
|---|---------------|--------------------|------------------------|
| Description: ANCHORAGE, EXAMPLE CLUSTERS | | | |
| Title: SERIES 770 ALUMINUM SGD - LMI | | | |
| Series/Model: SGD770 | Scale: NTS | Sheet: 11 of 23 | Drawing No. PGT0002 |
| | | | Rev. C2 |

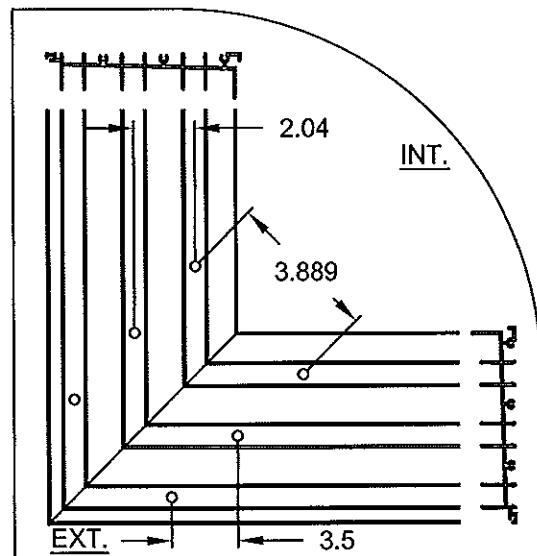


2-TRACK, 90° OUTSIDE CORNER SHOWN,
2-TRACK, 90° INSIDE CORNER SIMILAR (OPPOSITE)
ANCHOR CLUSTER - C4

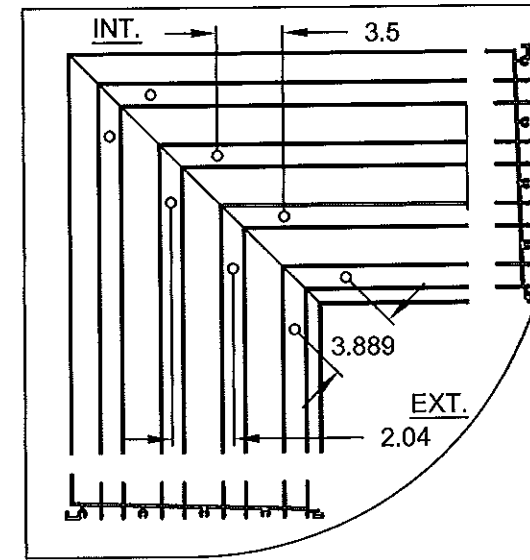


2-TRACK, 90° INSIDE CORNER SHOWN,
2-TRACK, 90° OUTSIDE CORNER SIMILAR (OPPOSITE)
ANCHOR CLUSTER - C6
USED FOR C5 AND C6

NOTE:
ALL DIMENSIONS SHOWN
ARE BASED ON MINIMUM
ALLOWED. ALL DIMENSIONS
SHOWN ARE IN INCHES.

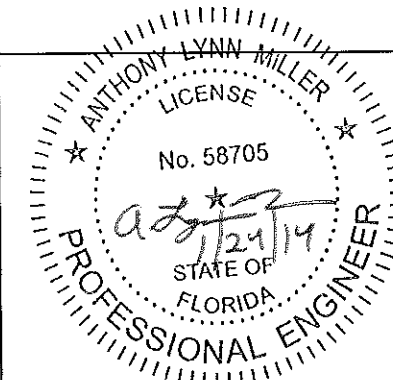


3-TRACK, 90° OUTSIDE CORNER SHOWN,
3-TRACK, 90° INSIDE CORNER SIMILAR (OPPOSITE)
C-6 ANCHOR CLUSTER REQUIRED
AT ALL 3-TRACK CORNERS



4-TRACK, 90° INSIDE CORNER SHOWN,
4-TRACK, 90° OUTSIDE CORNER SIMILAR (OPPOSITE)
C-8 ANCHOR CLUSTER REQUIRED
AT ALL 4-TRACK CORNERS

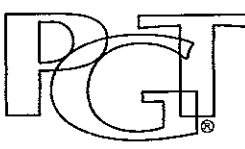
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0123.10
Expiration Date 02/17/2015
By *[Signature]*
Miami Dade Product Control



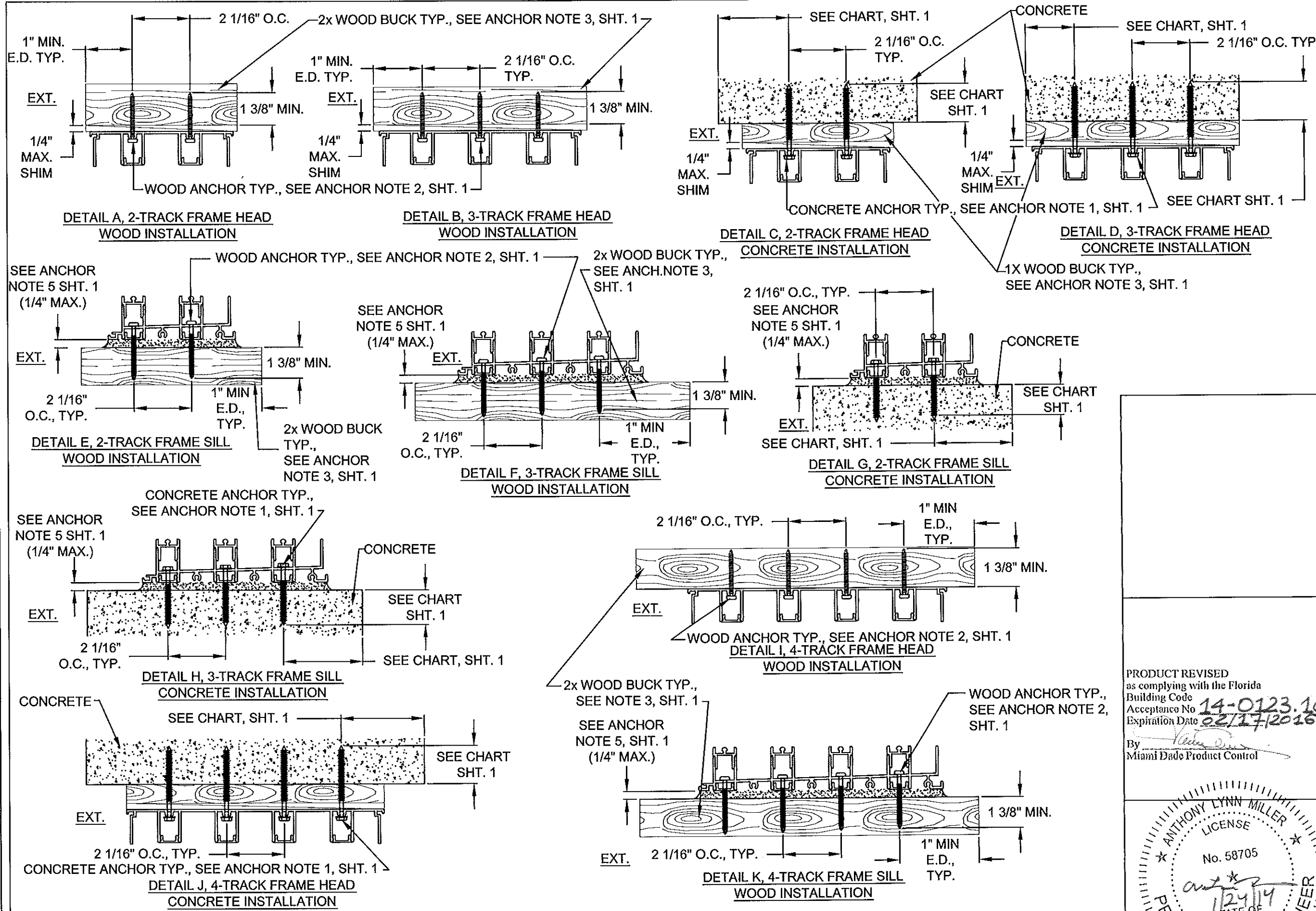
A. LYNN MILLER, P.E.
P.E.# 58705

| | | | |
|----------------|----------------|---------------|--------------------------|
| Revsd By: J.J. | Date: 10/11/11 | Revisions: C | NO CHANGE THIS SHEET |
| Revsd By: JR | Date: 01/23/14 | Revisions: C2 | NO CHANGES TO THIS SHEET |
| Revsd By: | Date: | Revisions: | |
| Drawn By: SMC | Date: 08/05/09 | Checked By: | Date: |

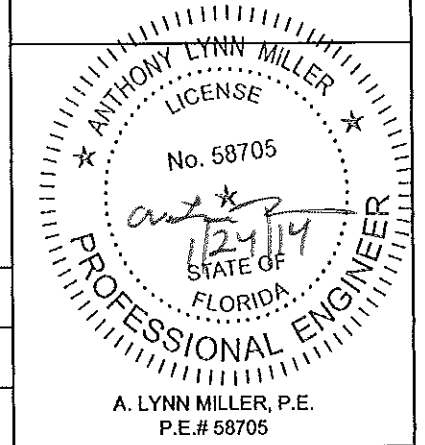
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



| | | | |
|--|------------|-----------------|---------------------|
| Description: ANCHORAGE, EXAMPLE CLUSTERS | | | |
| Title: SERIES 770 ALUMINUM SGD - LMI | | | |
| Series/Model: SGD770 | Scale: NTS | Sheet: 12 of 23 | Drawing No. PGT0002 |
| | | | Rev: C2 |

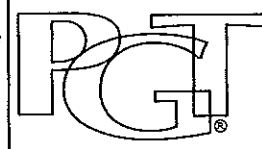


PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 14-0123.10
 Expiration Date 02/17/2016
 By *[Signature]*
 Miami Dade Product Control



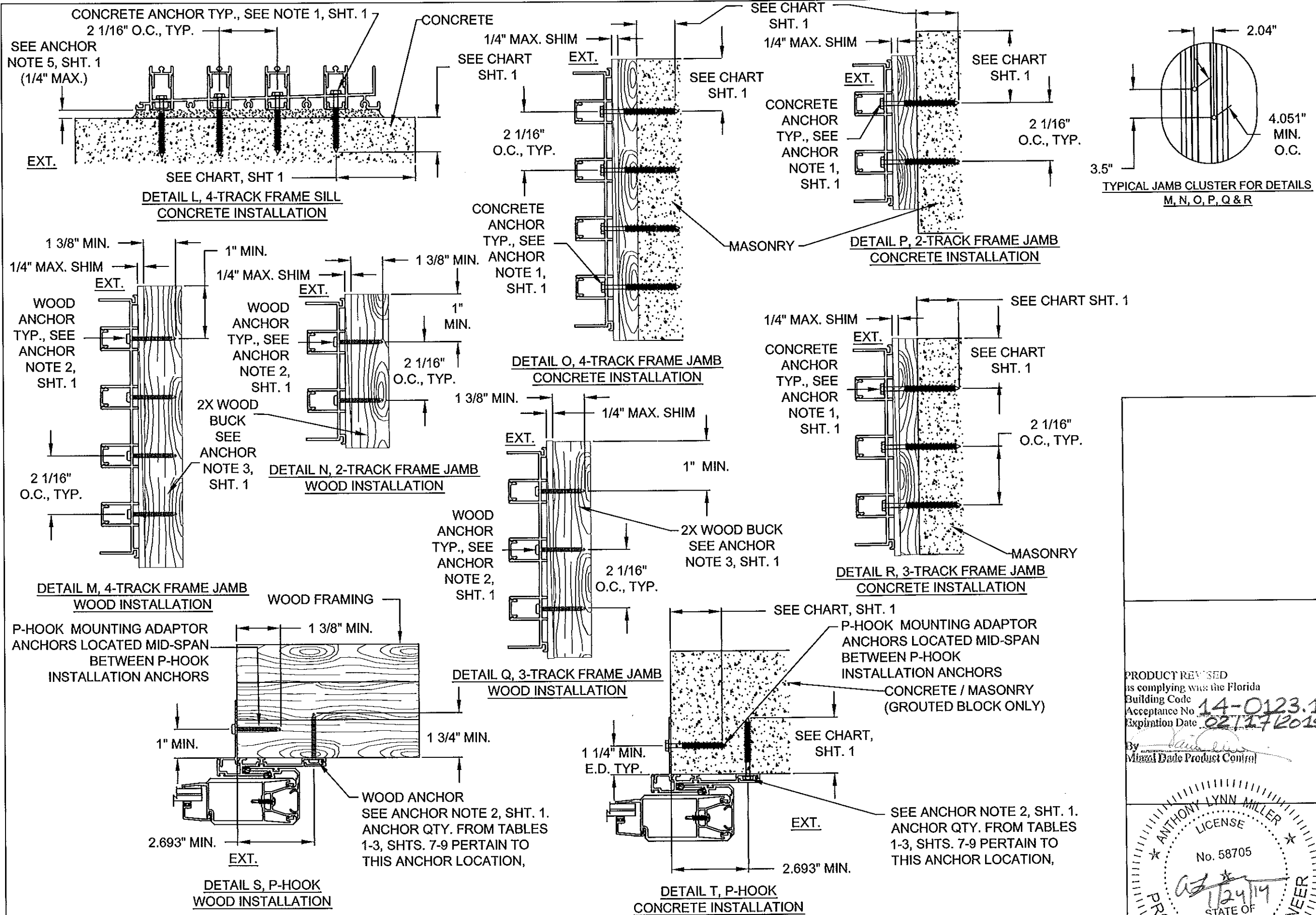
| | | | |
|------------------|----------------|---------------|--------------------------|
| Revised By: J.J. | Date: 10/11/11 | Revisions: C | NO CHANGE THIS SHEET |
| Revised By: JR | Date: 01/23/14 | Revisions: C2 | NO CHANGES TO THIS SHEET |
| Revised By: | Date: | Revisions: | |
| Drawn By: SMC | Date: 08/05/09 | Checked By: | Date: |

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

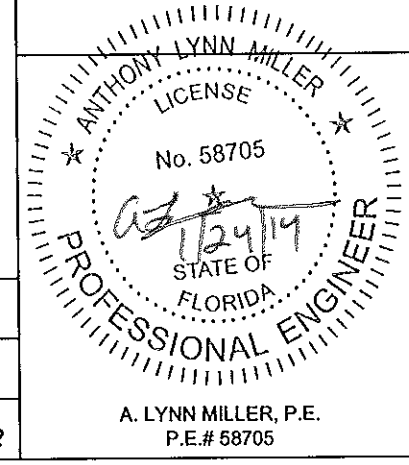


| | | | |
|--------------------------------------|------------|-----------------|---------------------|
| Description: ANCHORAGE DETAILS | | | |
| Title: SERIES 770 ALUMINUM SGD - LMI | | | |
| Series/Model: SGD770 | Scale: NTS | Sheet: 13 of 23 | Drawing No. PGT0002 |
| | | | Rev. C2 |

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

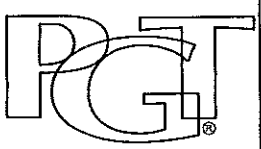


PRODUCT REVISED
 is complying with the Florida
 Building Code
 Acceptance No. 14-0123.10
 Expiration Date 02/17/2015
 By: [Signature]
 Mizal Dade Product Control



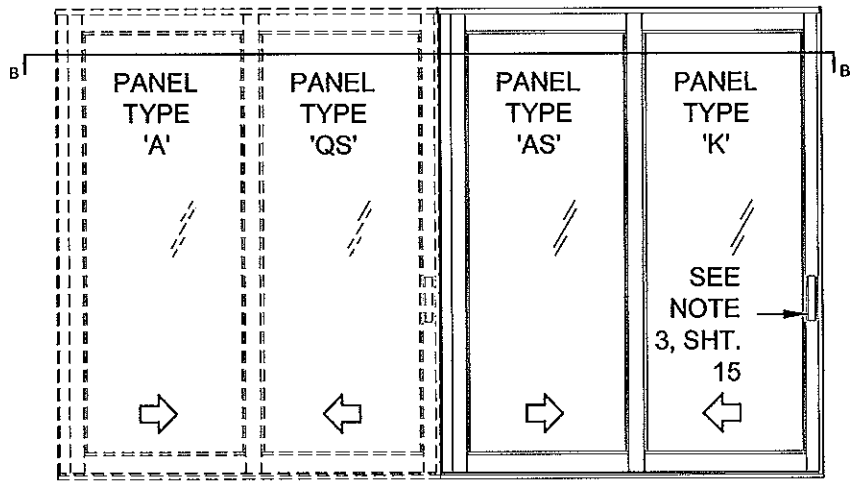
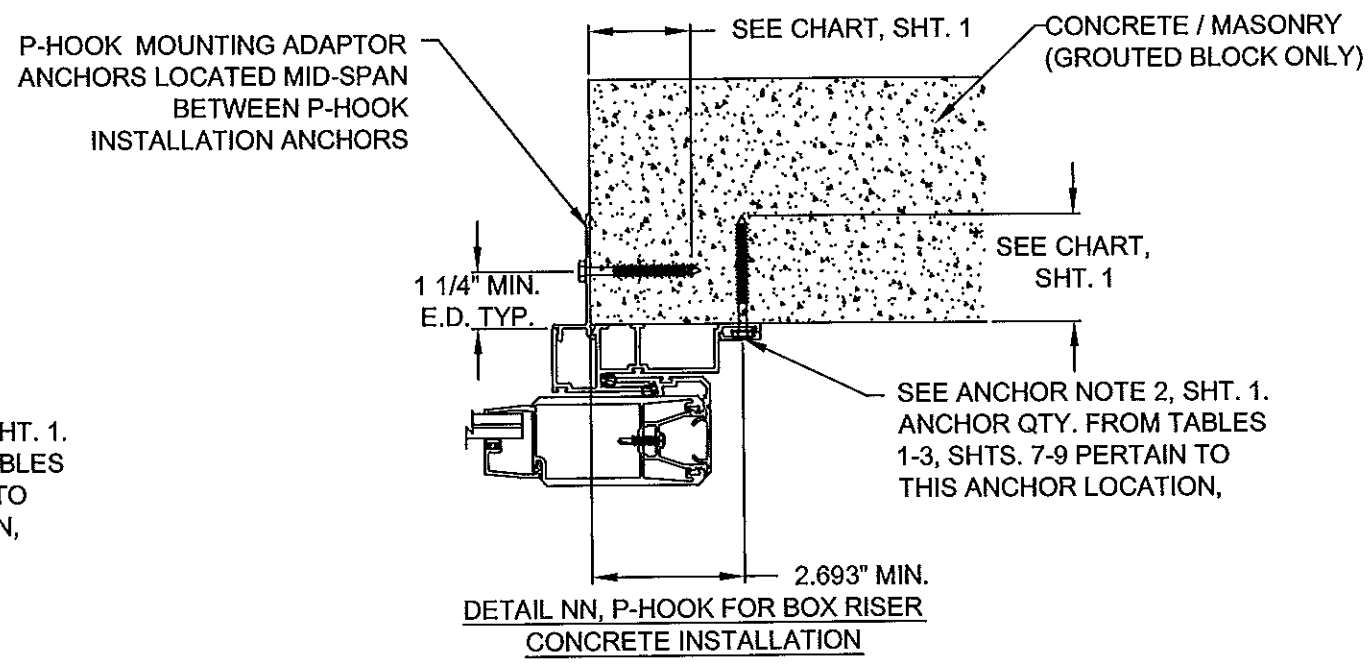
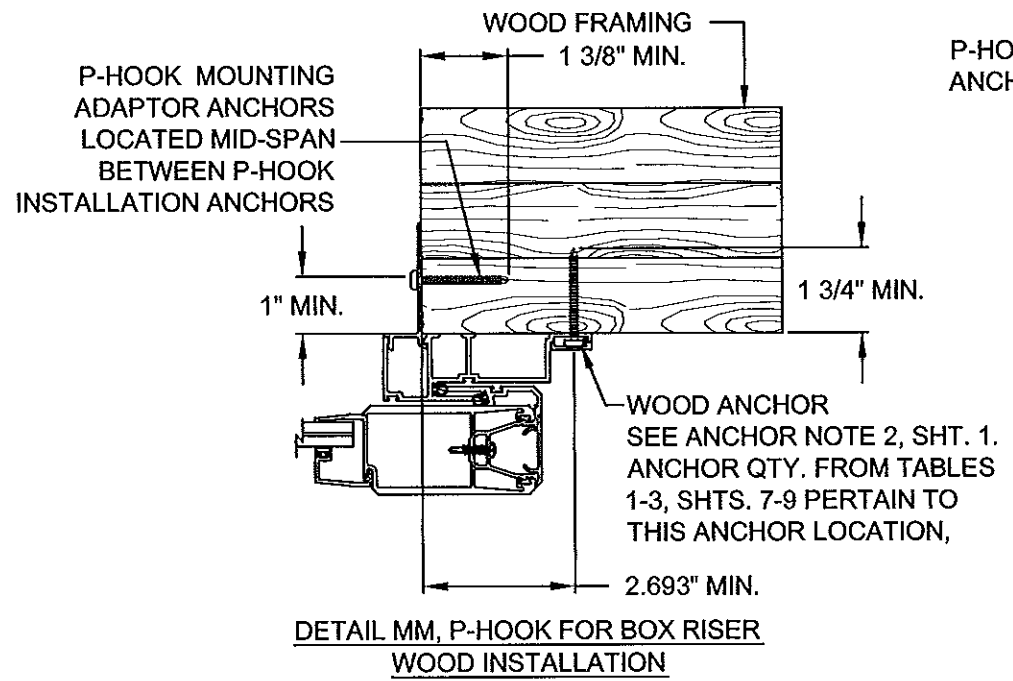
| | | | |
|----------------|----------------|---------------|--------------------------|
| Revsd By: J.J. | Date: 10/11/11 | Revisions: C | NO CHANGE THIS SHEET |
| Revsd By: JR | Date: 01/23/14 | Revisions: C2 | NO CHANGES TO THIS SHEET |
| Revsd By: | Date: | Revisions: | |
| Drawn By: SMC | Date: 08/05/09 | Checked By: | Date: |

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



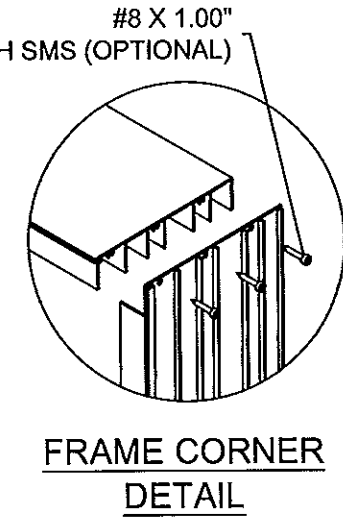
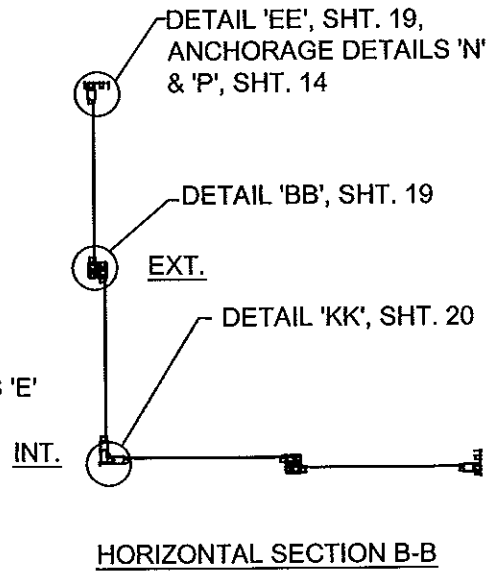
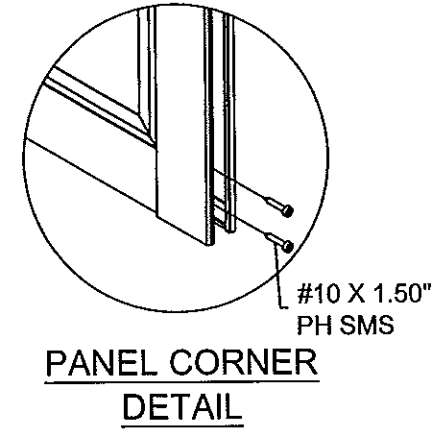
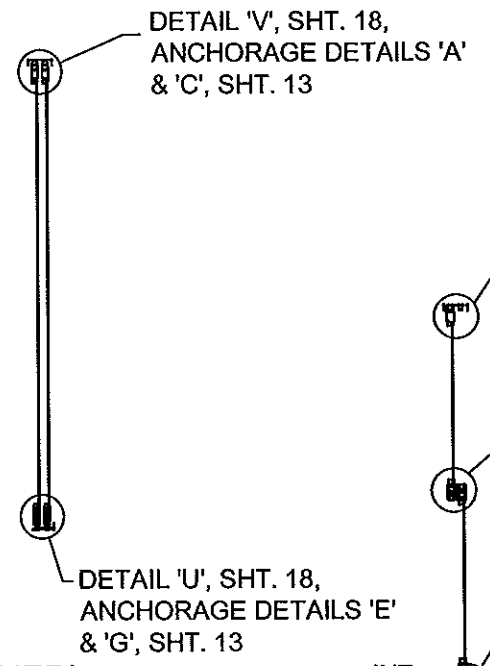
| | | | |
|--------------------------------------|------------|-----------------|---------------------|
| Description: ANCHORAGE DETAILS | | | |
| Title: SERIES 770 ALUMINUM SGD - LMI | | | |
| Series/Model: SGD770 | Scale: NTS | Sheet: 14 of 23 | Drawing No. PGT0002 |
| | | | Rev: C2 |

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

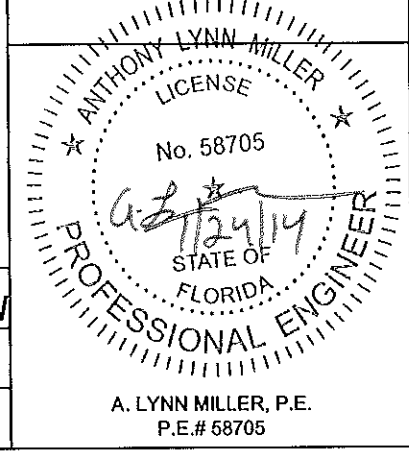


DLO WIDTH = NOM. PANEL WIDTH - 7"
 DLO HEIGHT = NOM. PANEL HEIGHT - 8.25"

XX-90° CORNER-XX (2 TRACK INSIDE 90° CORNER)
 *SEE APPLICABLE ASTRAGAL & INTERLOCK PER DP TABLES



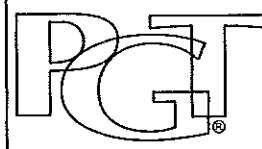
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 14-0123.10
 Expiration Date 02/27/2019
 By: *[Signature]*
 Miami Dade Product Control



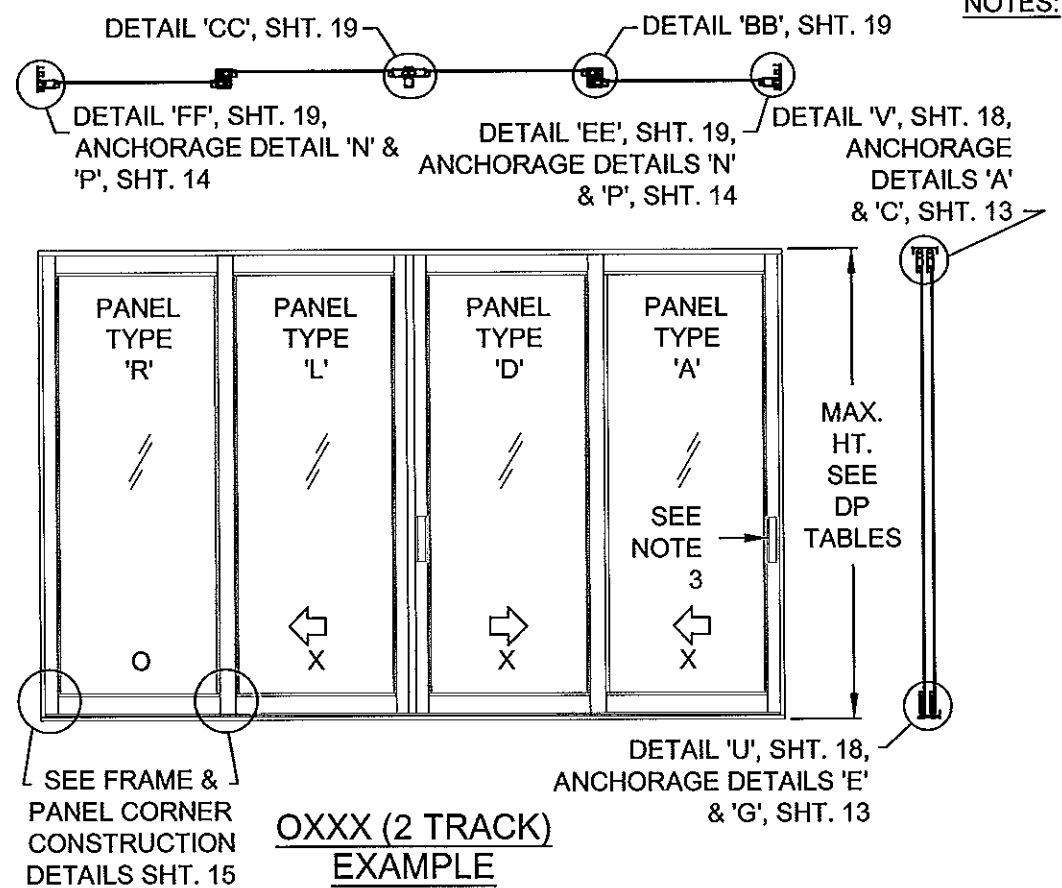
A. LYNN MILLER, P.E.
 P.E.# 58705

| | | | |
|------------------|----------------|---------------|--------------------------|
| Revised By: J.J. | Date: 10/11/11 | Revisions: C | NO CHANGE THIS SHEET |
| Revised By: JR | Date: 01/23/14 | Revisions: C2 | NO CHANGES TO THIS SHEET |
| Revised By: | Date: | Revisions: | |
| Drawn By: SMC | Date: 08/05/09 | Checked By: | Date: |

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



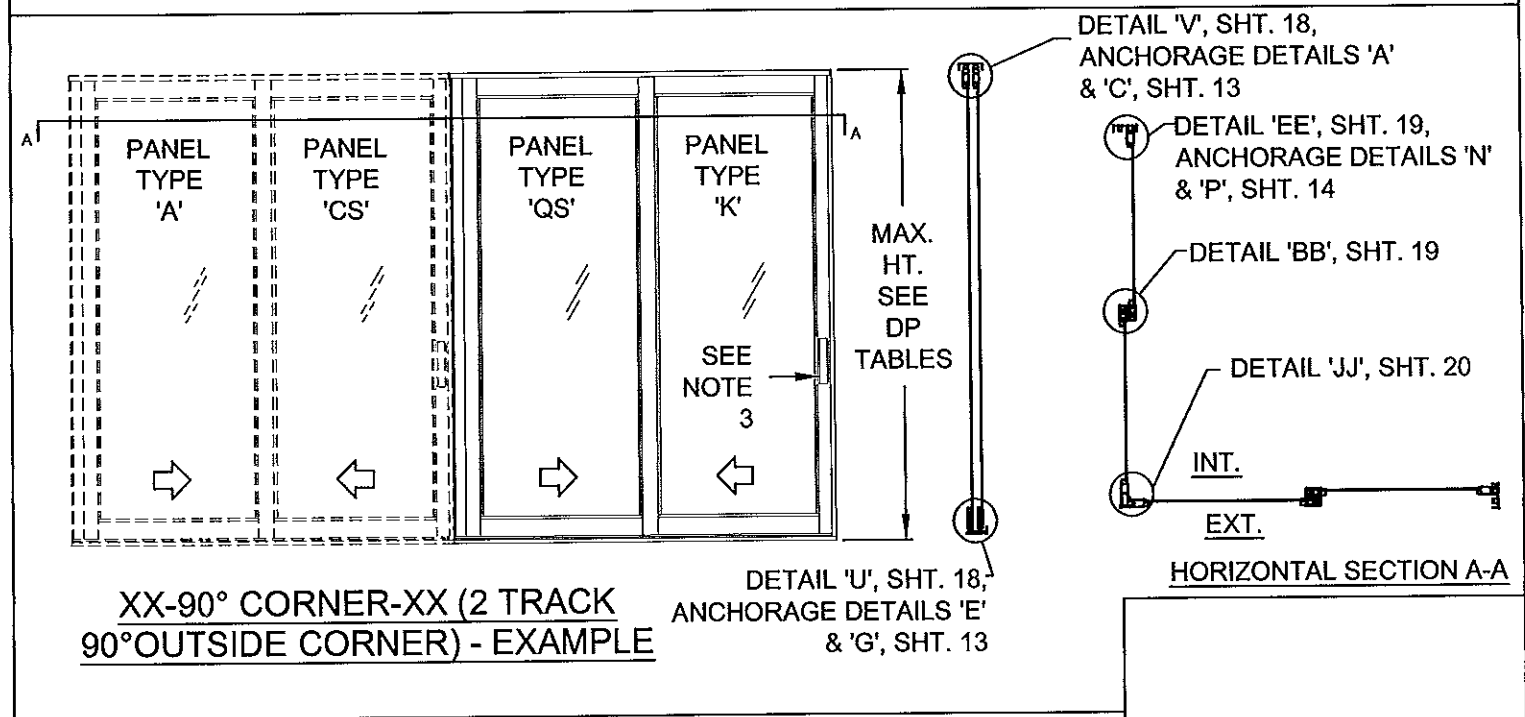
| | | | |
|--|------------|-----------------|---------------------|
| Description: ANCHORAGE DETAILS / EXAMPLE ELEVATION | | | |
| Title: SERIES 770 ALUMINUM SGD - LMI | | | |
| Series/Model: SGD770 | Scale: NTS | Sheet: 15 of 23 | Drawing No. PGT0002 |
| | | | Rev: C2 |



OXXX (2 TRACK) EXAMPLE

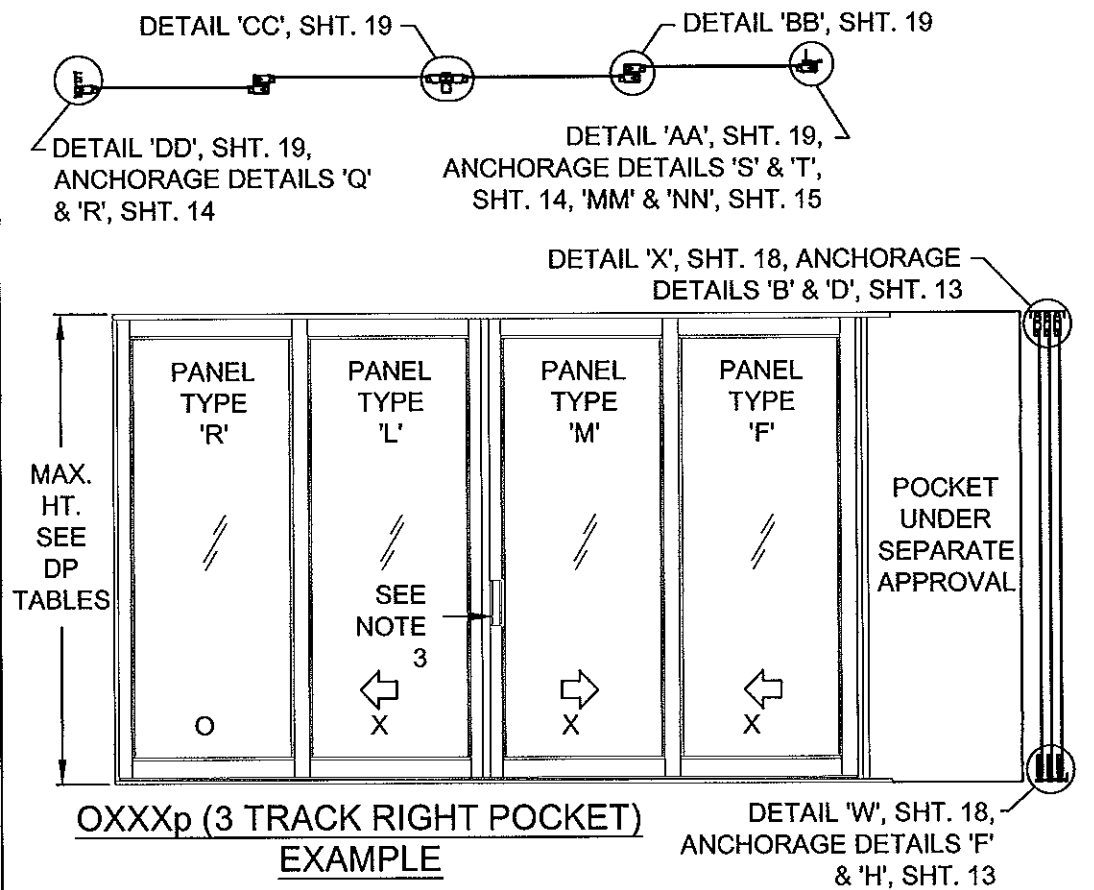
NOTES:

1. SEE SHT. 17 FOR INDIVIDUAL PANEL CONFIGURATIONS AS APPLICABLE. PLEASE SEE DP CHARTS FOR MAX PANEL HEIGHT AND WIDTH. PLEASE SEE SHTS. 18-20 FOR SECTION DETAILS AND SHTS. 7-15 FOR ANCHORAGE DETAILS.
2. DLO WIDTH = NOM. PANEL WIDTH - 7" DLO HEIGHT = NOM. PANEL HEIGHT - 8.25"
3. (1) LOCK (ITEMS 70 & 107-110) AT EACH LOCKSTILE, LOCKING INTO KEEPER (ITEM 103) AT FRAME JAMB OR ASTRAGAL.
4. PLEASE SEE APPLICABLE ASTRAGAL & INTERLOCK COMBINATIONS PER DP TABLES.

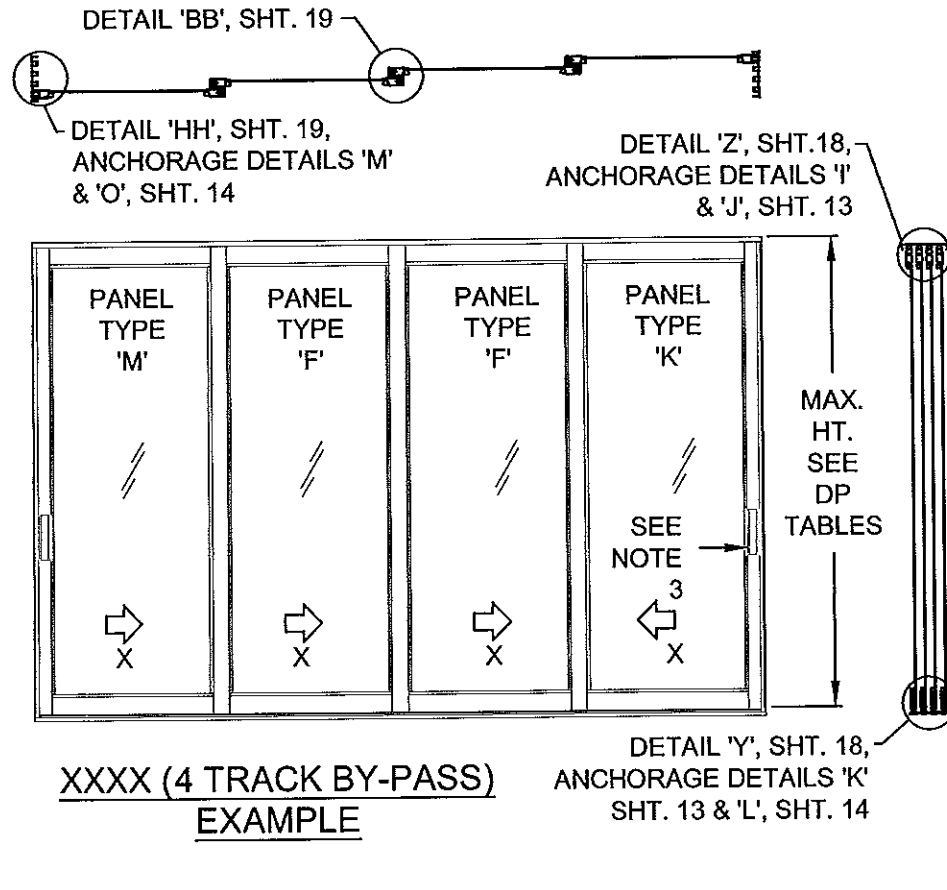


XX-90° CORNER-XX (2 TRACK 90° OUTSIDE CORNER) - EXAMPLE

HORIZONTAL SECTION A-A

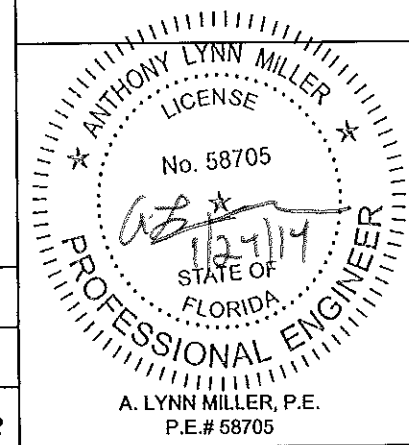


OXXXp (3 TRACK RIGHT POCKET) EXAMPLE



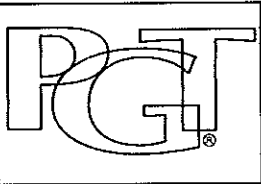
XXXX (4 TRACK BY-PASS) EXAMPLE

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. **14-0123.10** Expiration Date **02/17/2015**
 By *[Signature]*
 Miami Dade Product Control



| | | | |
|------------------|----------------|-----------------|--------------------------|
| Revised By: J.J. | Date: 10/11/11 | Revisions: C | NO CHANGE THIS SHEET |
| Revised By: JR | Date: 01/23/14 | Revisions: C2 | NO CHANGES TO THIS SHEET |
| Revised By: | Date: | Revisions: | |
| Drawn By: SMC | Date: 08/05/09 | Checked By: RJA | Date: |

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

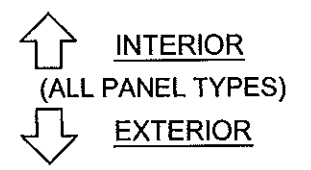


| | | | |
|---|------------|-----------------|---------------------|
| Description: EXAMPLE ELEVATIONS | | | |
| Title: SERIES 770 ALUMINUM SGD - LMI | | | |
| Series/Model: SGD770 | Scale: NTS | Sheet: 16 of 23 | Drawing No. PGT0002 |
| | | | Rev: C2 |

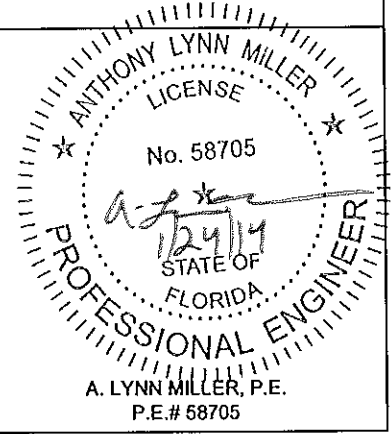
A. LYNN MILLER, P.E.
 P.E.# 58705

| PANEL LETTER | | PANEL LETTER | |
|------------------------|------------------|------------------|----------------------|
| P | SINGLE INTERLOCK | FIXED LOCKSTILE | J (BOX IN) |
| R | FIXED LOCKSTILE | SINGLE INTERLOCK | M |
| T (BOX OUT) | ASTRAGAL OUT | FIXED LOCKSTILE | CS |
| T (BOX IN) | ASTRAGAL IN | FIXED LOCKSTILE | SC |
| S (BOX OUT) | FIXED LOCKSTILE | ASTRAGAL OUT | QS |
| S (BOX IN) | FIXED LOCKSTILE | ASTRAGAL IN | SQ |
| L (BOX OUT) | SINGLE INTERLOCK | ASTRAGAL OUT | AS |
| LR (BOX OUT) | ASTRAGAL OUT | SINGLE INTERLOCK | SA |
| N (BOX OUT) | ASTRAGAL IN | SINGLE INTERLOCK | CI |
| C (BOX IN) | SINGLE INTERLOCK | ASTRAGAL IN | IC |
| B | SINGLE INTERLOCK | SINGLE INTERLOCK | CF |
| F | SINGLE INTERLOCK | SINGLE INTERLOCK | FC |
| E | SINGLE INTERLOCK | SINGLE INTERLOCK | PP |
| K | SINGLE INTERLOCK | LOCKSTILE | RR |
| U (BOX OUT) | ASTRAGAL OUT | LOCKSTILE | |
| U (BOX IN) | ASTRAGAL IN | LOCKSTILE | |
| A | SINGLE INTERLOCK | LOCKSTILE | |
| D | LOCKSTILE | SINGLE INTERLOCK | |
| J (BOX OUT) | LOCKSTILE | ASTRAGAL OUT | |

NOTE:
1. SEE DP TABLES FOR PANEL WIDTH & APPLICABLE ASTRAGAL & INTERLOCKS.



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-012310
Expiration Date 02/17/2015
By [Signature]
Miami Dade Product Control



| | | | |
|------------------|----------------|-----------------|--------------------------|
| Revised By: J.J. | Date: 10/11/11 | Revisions: C | NO CHANGE THIS SHEET |
| Revised By: JR | Date: 01/23/14 | Revisions: C2 | NO CHANGES TO THIS SHEET |
| Revised By: | Date: | Revisions: | |
| Drawn By: SMC | Date: 08/05/09 | Checked By: RJA | Date: |

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

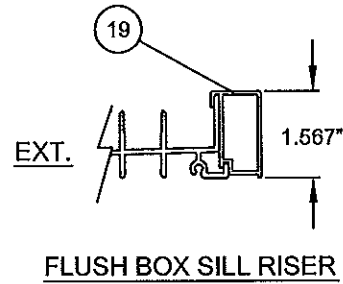


| | | | |
|---|------------|-----------------|---------------------|
| Description: PANEL TYPES | | | |
| Title: SERIES 770 ALUMINUM SGD - LMI | | | |
| Series/Model: SGD770 | Scale: NTS | Sheet: 17 of 23 | Drawing No. PGT0002 |
| | | | Rev: C2 |

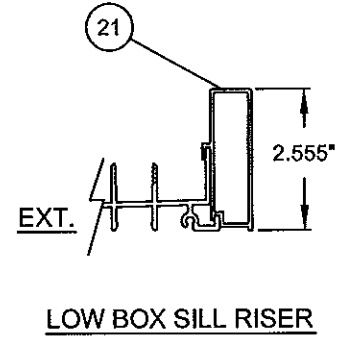
A. LYNN MILLER, P.E.
P.E.# 58705

SILL RISERS OPTIONS

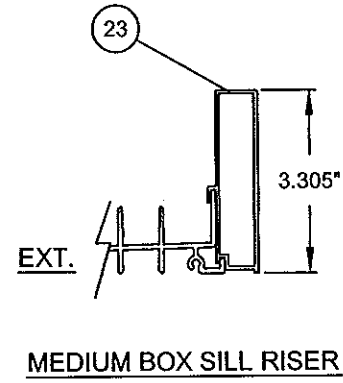
← EXTERIOR INTERIOR →
(ALL VERT. SECTIONS)



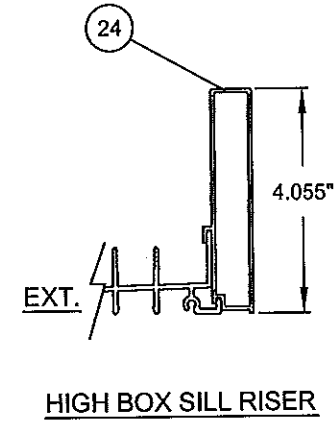
FLUSH BOX SILL RISER



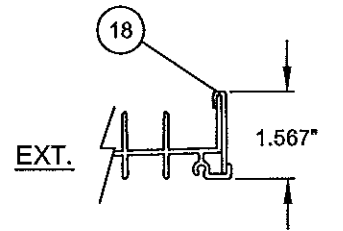
LOW BOX SILL RISER



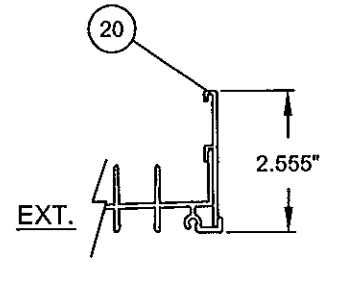
MEDIUM BOX SILL RISER



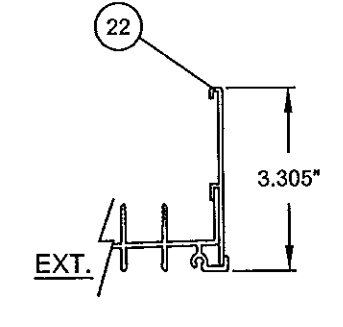
HIGH BOX SILL RISER



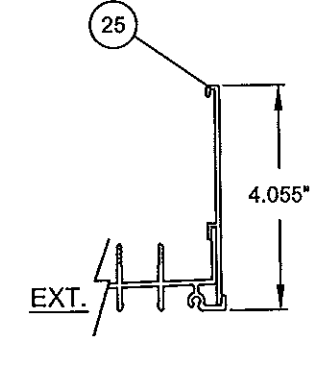
FLUSH FLAT SILL RISER



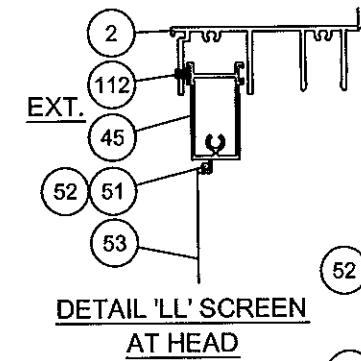
LOW FLAT SILL RISER



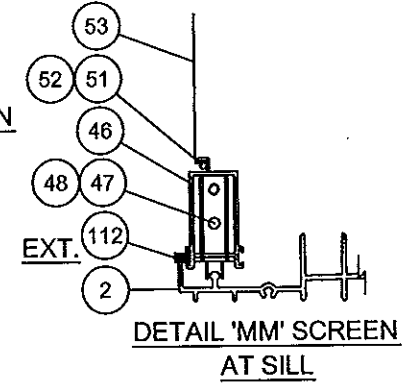
MEDIUM FLAT SILL RISER



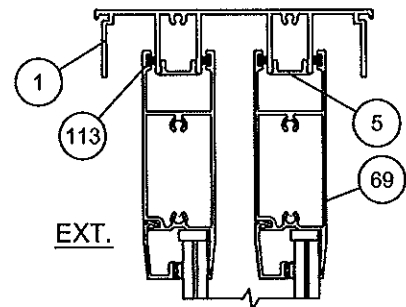
HIGH FLAT SILL RISER



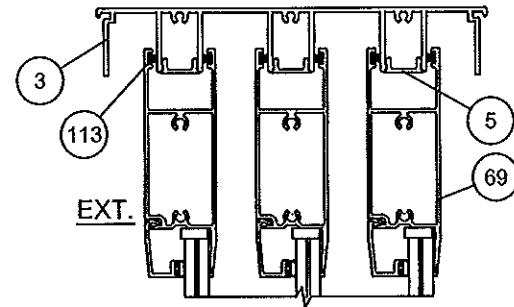
DETAIL 'LL' SCREEN AT HEAD



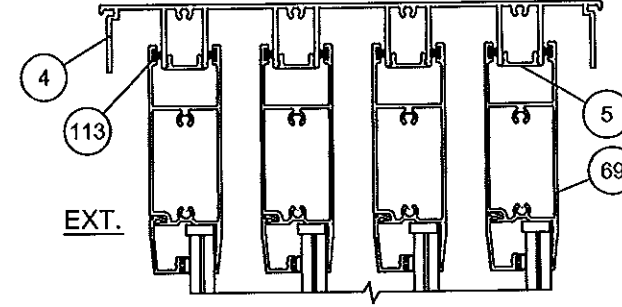
DETAIL 'MM' SCREEN AT SILL



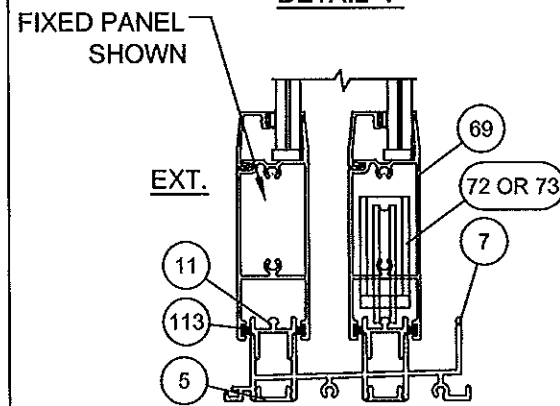
DETAIL 'V'



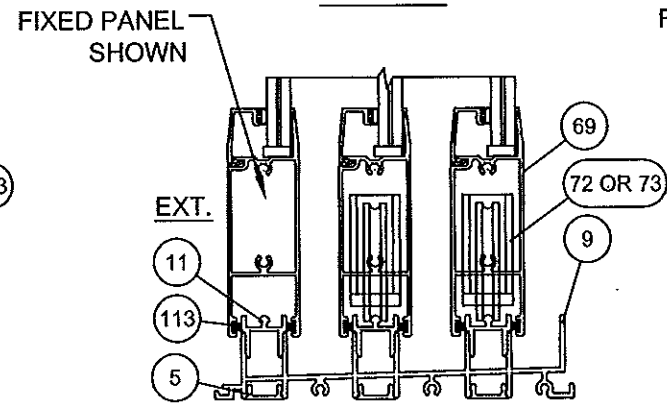
DETAIL 'X'



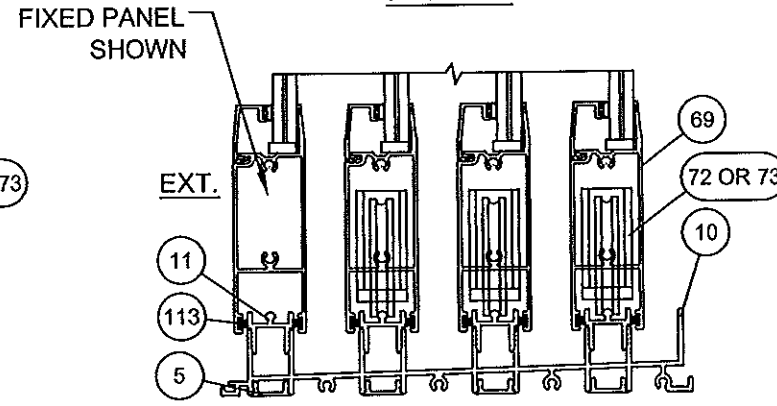
DETAIL 'Z'



DETAIL 'U'

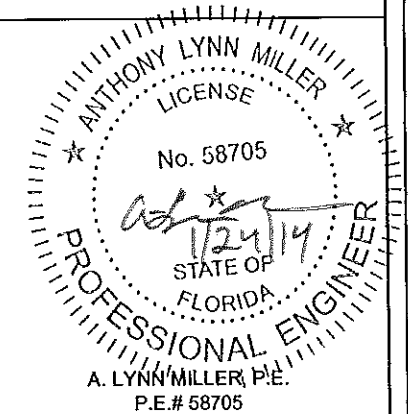


DETAIL 'W'



DETAIL 'Y'

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0123.10
Expiration Date 02/17/2015
By *[Signature]*
Miami Dade Product Control

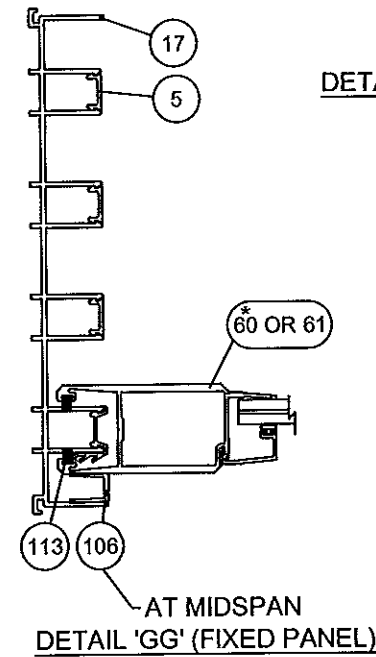
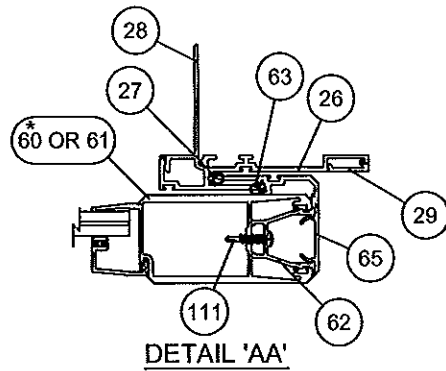
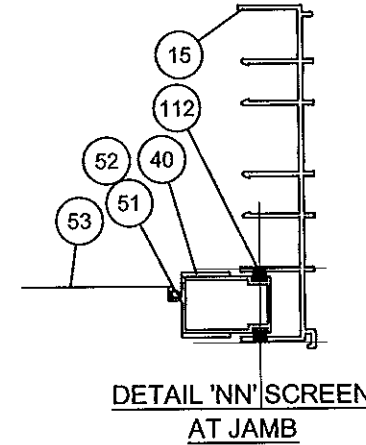
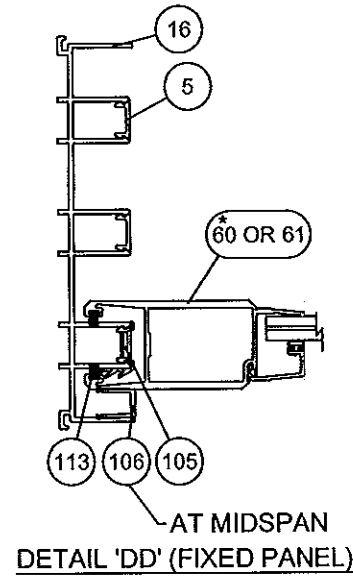
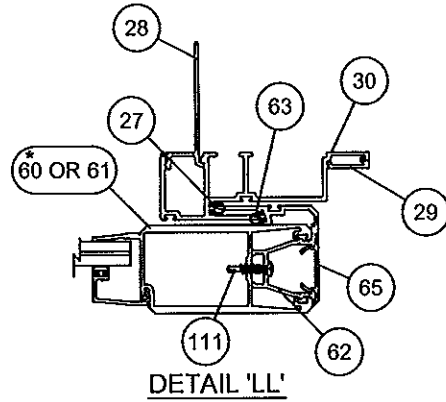
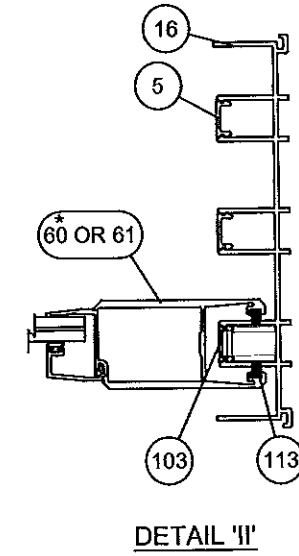
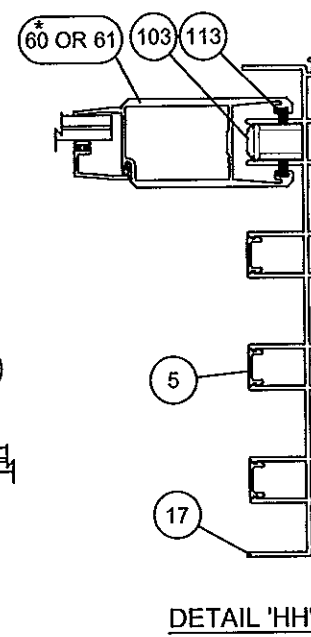
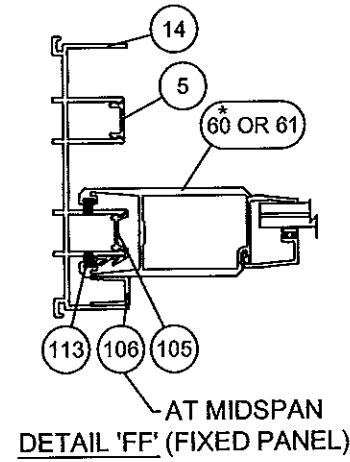
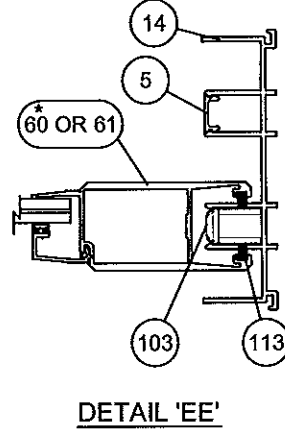
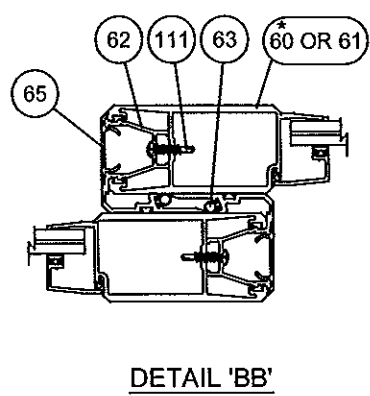
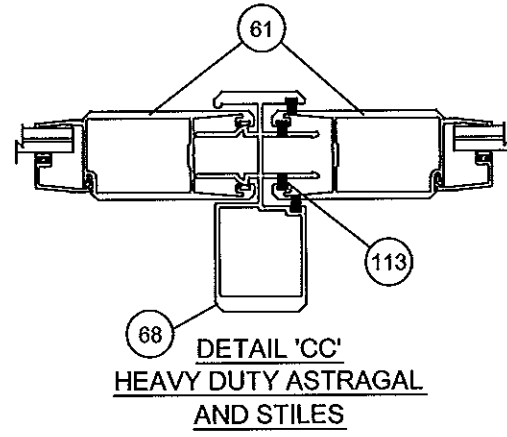
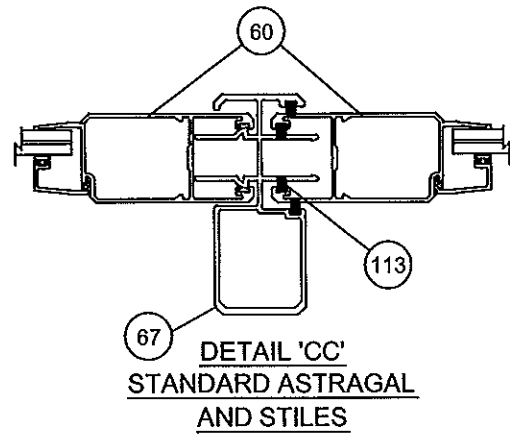


| | | | |
|------------------|----------------|-----------------|--------------------------|
| Revised By: J.J. | Date: 10/11/11 | Revisions: C | NO CHANGE THIS SHEET |
| Revised By: JR | Date: 01/23/14 | Revisions: C2 | NO CHANGES TO THIS SHEET |
| Revised By: | Date: | Revisions: | |
| Drawn By: SMC | Date: 08/05/09 | Checked By: RJA | Date: |

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



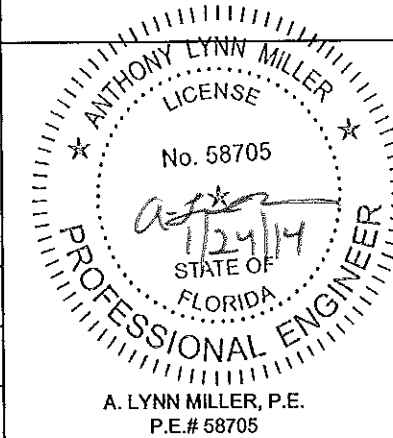
| | | | |
|---------------------------------------|------------|-----------------|---------------------|
| Description: VERTICAL SECTION DETAILS | | | |
| Title: SERIES 770 ALUMINUM SGD - LMI | | | |
| Series/Model: SGD770 | Scale: NTS | Sheet: 18 of 23 | Drawing No. PGT0002 |
| | | | Rev: C2 |



↑ INTERIOR
(ALL HORIZ. SECTIONS)
↓ EXTERIOR

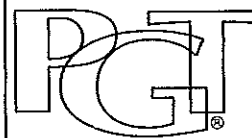
*ITEM 61 SHOWN, ITEM 60 ALSO APPLICABLE, SEE TABLES 1-3, SHTS. 7-9 FOR DP (PSF) ASSOCIATED WITH STILE

PRODUCT RE
as complying with Florida
Building Code
Acceptance No. 14-0123.10
Expiration Date 02/17/2015
By
Miami Dade Product Control

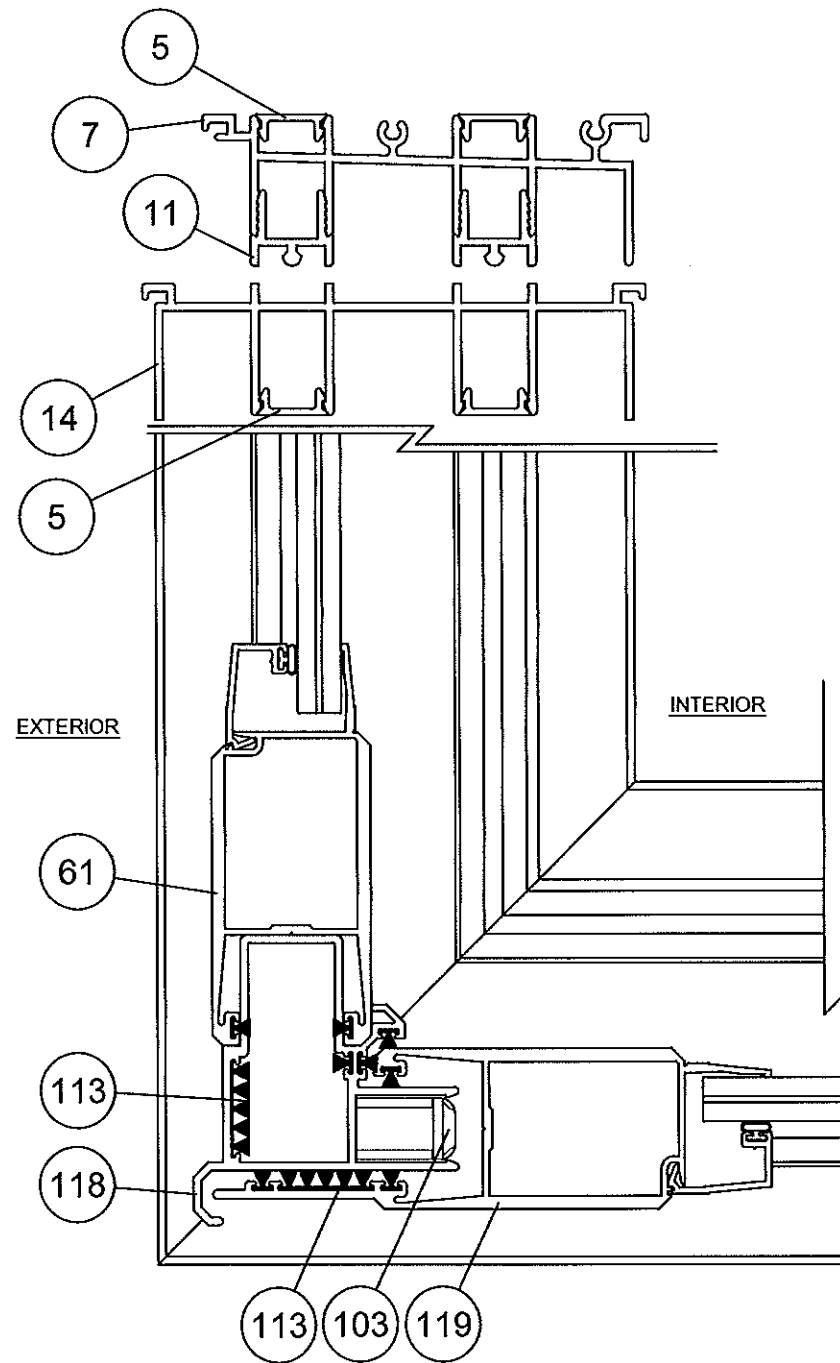


| | | | |
|------------------|----------------|-----------------|--------------------------|
| Revised By: J.J. | Date: 10/11/11 | Revisions: C | NO CHANGE THIS SHEET |
| Revised By: JR | Date: 01/23/14 | Revisions: C2 | NO CHANGES TO THIS SHEET |
| Revised By: | Date: | Revisions: | |
| Drawn By: SMC | Date: 08/05/09 | Checked By: RAJ | Date: |

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

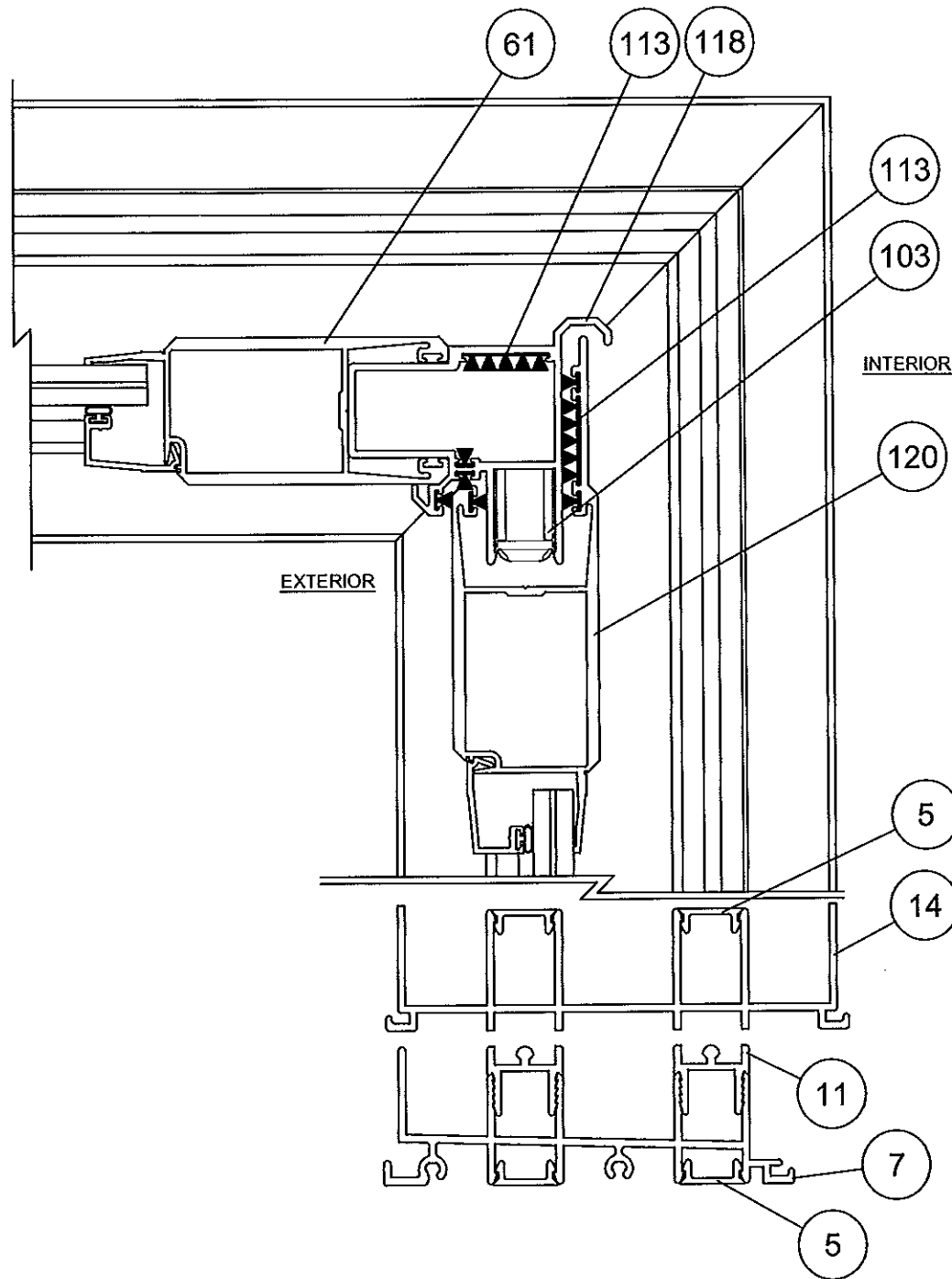


| | | | |
|---|------------|-----------------|---------------------|
| Description: HORIZONTAL SECTION DETAILS | | | |
| Title: SERIES 770 ALUMINUM SGD - LMI | | | |
| Series/Model: SGD770 | Scale: NTS | Sheet: 19 of 23 | Drawing No. PGT0002 |
| | | | Rev: C2 |



DETAIL 'JJ'

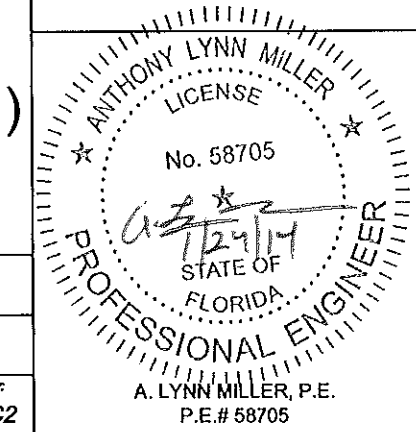
(90° OUTSIDE CORNER, 2-TRACK SHOWN)



DETAIL 'KK'

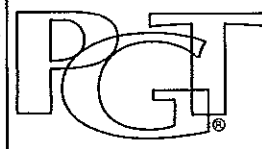
(90° INSIDE CORNER, 2 TRACK SHOWN)

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. **14-0123.10**
 Expiration Date **02/17/2015**
 By *[Signature]*
 Miami Dads Product Control



| | | | |
|----------------|----------------|-----------------|--------------------------|
| Revsd By: J.J. | Date: 10/11/11 | Revisions: C | NO CHANGE THIS SHEET |
| Revsd By: JR | Date: 01/23/14 | Revisions: C2 | NO CHANGES TO THIS SHEET |
| Revsd By: | Date: | Revisions: | |
| Drawn By: SMC | Date: 08/05/09 | Checked By: RJA | Date: |

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



| | | | |
|---|------------|-----------------|---------------------|
| Description: HORIZONTAL SECTION DETAILS, CORNERS | | | |
| Title: SERIES 770 ALUMINUM SGD - LMI | | | |
| Series/Model: SGD770 | Scale: NTS | Sheet: 20 of 23 | Drawing No. PGT0002 |
| | | | Rev: C2 |

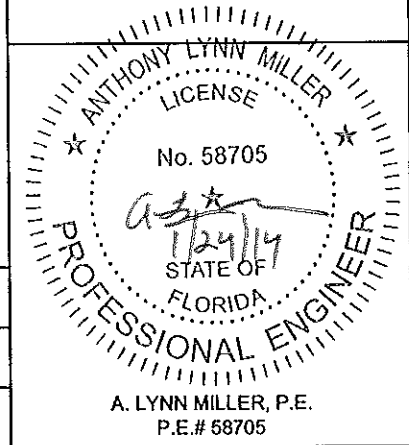
| ITEM | PGT Dwg # | PGT. # | Description |
|---------------------------------------|-----------|-----------|----------------------------------|
| 1 | 17306 | 617306 | 2-TRACK HEAD |
| 2 | 17303 | 617303 | 2-TRACK HEAD WITH SCREEN RAIL |
| 3 | 17309 | 617309 | 3-TRACK HEAD |
| 4 | 17312 | 617312 | 4-TRACK HEAD |
| 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 |
| 9 | 17307 | 617307 | 3-TRACK SILL |
| 10 | 17310 | 617310 | 4-TRACK SILL |
| 11 | 17313 | 617313 | FRAME SILL TRACK INSERT |
| 12 | 17315 | 617315 | FRAME SILL SCREEN ADD-ON |
| 13 | 17316 | 617316 | FRAME SILL SCREEN END ADD-ON |
| 14 | 17305 | 617305 | 2-TRACK JAMB |
| 15 | 17302 | 617302 | 2-TRACK JAMB WITH SCREEN RAIL |
| 16 | 17308 | 617308 | 3-TRACK JAMB |
| 17 | 17311 | 617311 | 4-TRACK JAMB |
| 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 |
| 26 | 17333 | 617333 | POCKET DOOR P-HOOK |
| 27 | 7070 | 67070 | NEOPRENE BULB WSTP FOR P-HOOK |
| 28 | 17334 | 617334 | POCKET DOOR P-HOOK MOUNT |
| 29 | 17335 | 617335 | P-HOOK COVER |
| 30 | 17348 | 617348 | POCKET DOOR P-HOOK FOR BOX RISER |
| OPTIONAL PARTS (NOT SHOWN IN DRAWING) | | | |
| 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 | OXD SCREEN ASTRAGAL ADAPTER |
| 51 | 1692 | 61692 | SCREEN SPLINE - .185 |
| 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 |
| 202 | | GLASS | 7/16 LAMINATED HT-HT PVB |
| 203 | | GLASS | 9/16 LAMINATED HT-HT PVB |
| 204 | | GLASS | 7/16 LAMINATED HT-HT SGP |
| 205 | | GLASS | 9/16 LAMINATED HT-HT SGP |

NOTE: ALL ALUMINUM = 6063-T6

| ITEM | PGT Dwg # | PGT. # | Description |
|------|-----------|--------------|---|
| 60 | 17325 | 617325 | PANEL STILE |
| 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 |
| 67 | 17329 | 617329 | ASTRAGAL |
| 68 | 17339 | 617339 | HEAVY DUTY ASTRAGAL |
| 69 | 17324 | 617324 | TOP & BOTTOM RAIL |
| 70 | 17350 | 417350 | WEATHERSTRIP EXTENSION (INJECTION MOLOED) |
| 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 899 OR 995 |
| 75 | 8185 | 78185X | GEMINI MORTICE 3-PLY DUAL LOCK W/LONG TRIM PLATE |
| 76 | | 71032X1FFPX | #10-32 X 1" FL. SS SCREW W/ TYPE "F" TIP |
| 77 | | 7103239 | 10-32 STEEL ZNC 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 HORIZONTAL |
| 81 | 17360 | 617360 | 9/16 BEAD HORIZONTAL |
| 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 | | 720X12X | #14-20 X 1.5" ST. STL. |
| 118 | 17336 | 617336 | CORNER RECEIVER |
| 119 | 17337 | 617337 | OUTSIDE CORNER ASTRAGAL |
| 120 | 17338 | 6117338 | INSIDE CORNER ASTRAGAL |
| 210 | | GLASS | LAMINATED IG 3/16T - 7/16 LAMINATED HT-HT PVB |
| 211 | | GLASS | LAMINATED IG 1/4T - 7/16 LAMINATED HT-HT PVB |
| 212 | | GLASS | LAMINATED IG 3/16T - 7/16 LAMINATED HT-HT SGP |
| 213 | | GLASS | LAMINATED IG 1/4T - 7/16 LAMINATED HT-HT SGP |
| 214 | | GLASS | 7/16 LAMINATED ANN-ANN SGP |
| 215 | | GLASS | 9/16 LAMINATED ANN-ANN SGP |
| 216 | | GLASS | LAMINATED IG 3/16T - 7/16 LAMINATED ANN-ANN SGP |
| 217 | | GLASS | LAMINATED IG 1/4T - 7/16 LAMINATED ANN-ANN SGP |

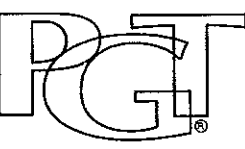


PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 14-0123.10
 Expiration Date 02/17/2015
 By: *[Signature]*
 Miami Dade Product Control

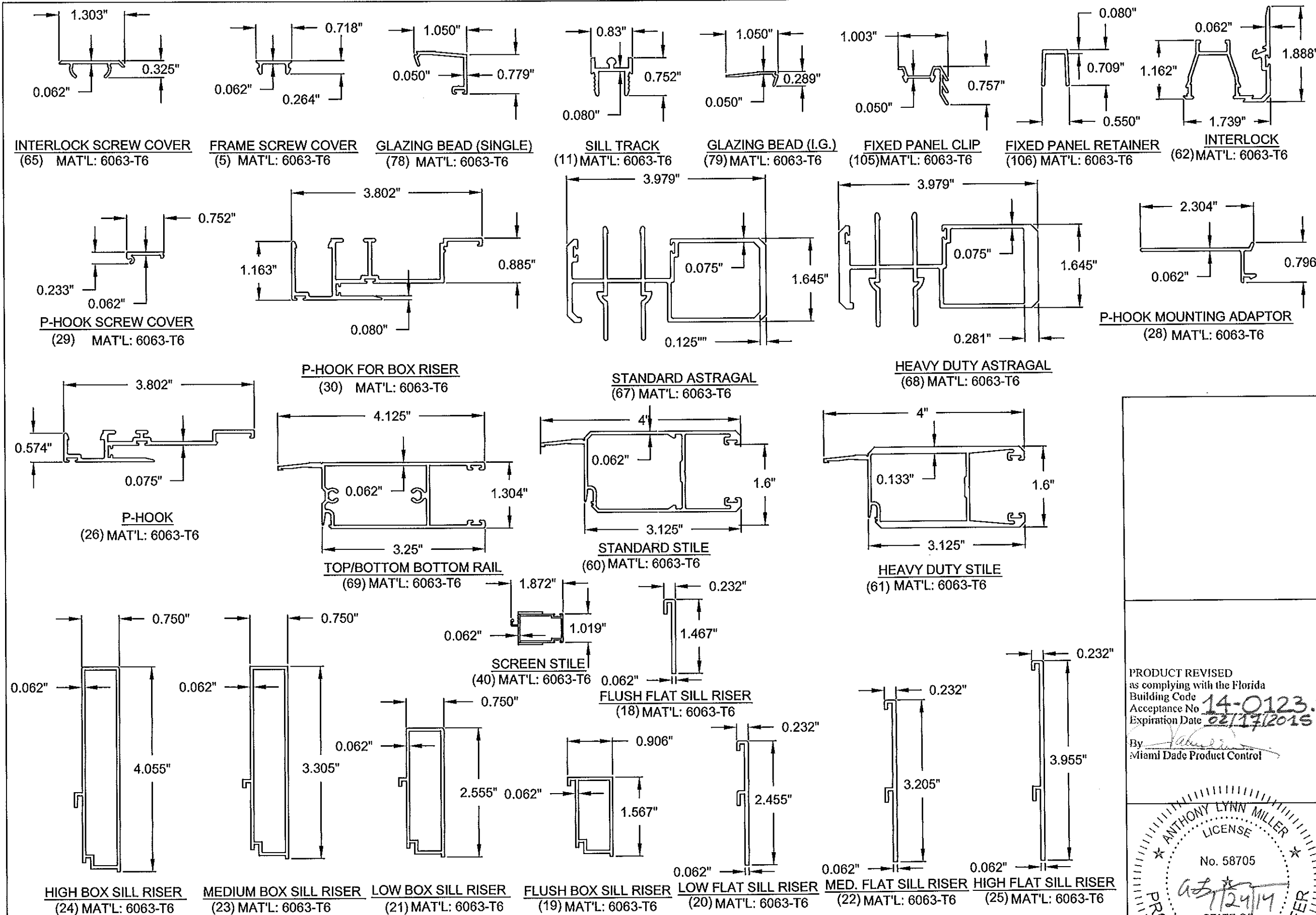


| | | | |
|------------------|----------------|-----------------|------------------------------|
| Revised By: J.J. | Date: 10/11/11 | Revisions: C | NO CHANGE THIS SHEET |
| Revised By: JR | Date: 01/23/14 | Revisions: C2 | ADDED GLASS, PARTS 214 - 217 |
| Revised By: | Date: | Revisions: | |
| Drawn By: SMC | Date: 08/05/09 | Checked By: RJA | Date: |

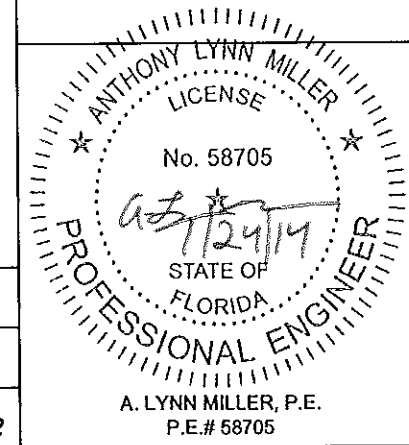
1070 TECHNOLOGY DRIVE
 NOKOMIS, FL 34275
 P.O. BOX 1529
 NOKOMIS, FL 34274



| | | | |
|--------------------------------------|------------|-----------------|---------------------|
| Description: PARTS LIST | | | |
| Title: SERIES 770 ALUMINUM SGD - LMI | | | |
| Series/Model: SGD770 | Scale: NTS | Sheet: 21 of 23 | Drawing No. PGT0002 |
| Rev: C2 | | | |

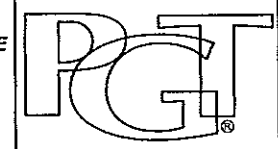


PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. **14-0123.10**
 Expiration Date **02/17/2019**
 By *[Signature]*
 Miami Dade Product Control

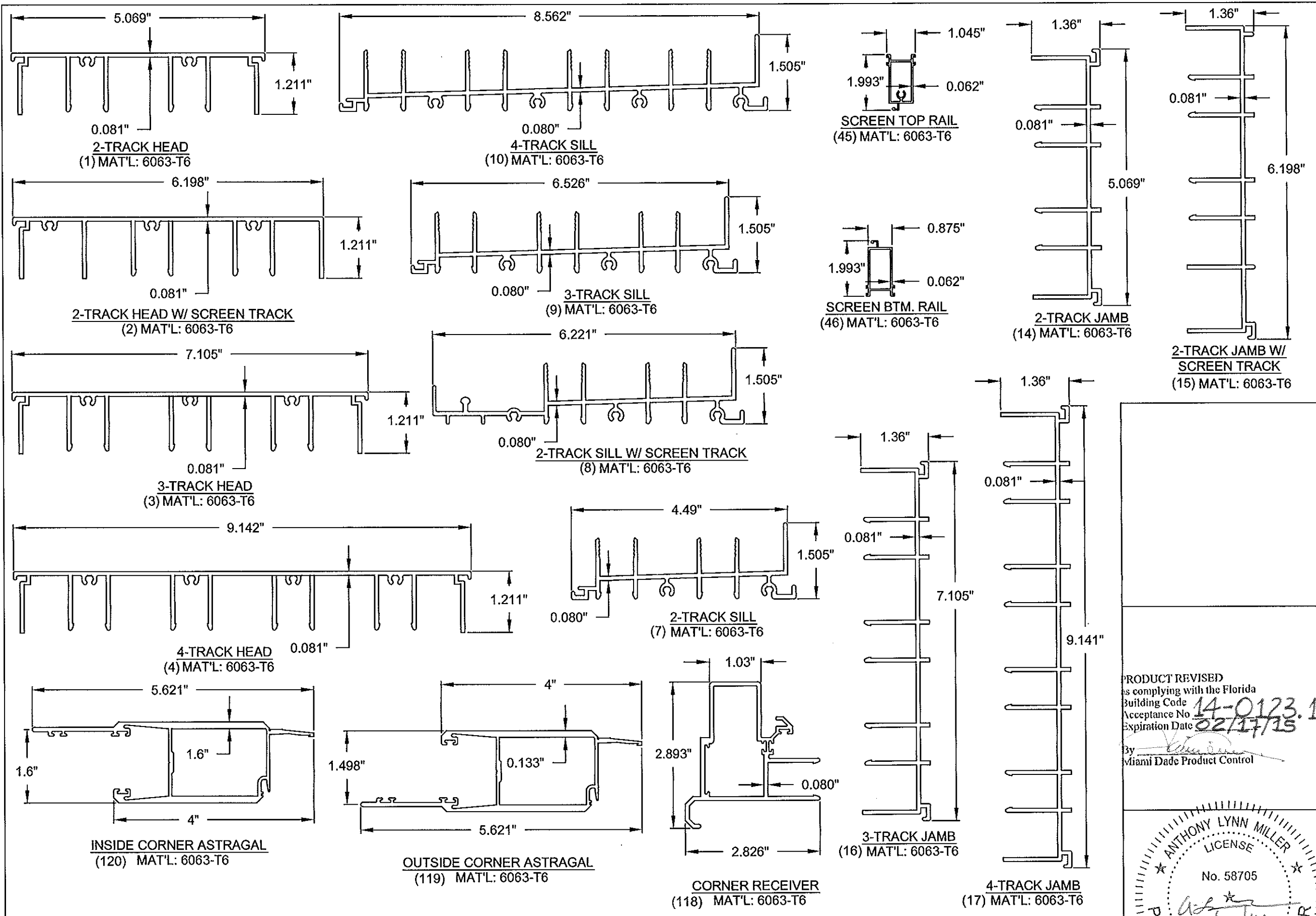


| | | | |
|------------------|----------------|-----------------|--------------------------|
| Revised By: J.J. | Date: 10/11/11 | Revisions: C | NO CHANGE THIS SHEET |
| Revised By: JR | Date: 01/23/14 | Revisions: C2 | NO CHANGES TO THIS SHEET |
| Revised By: | Date: | Revisions: | |
| Drawn By: SMC | Date: 08/05/09 | Checked By: RJA | Date: |

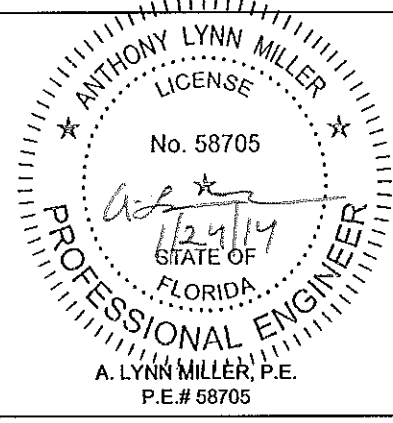
1070 TECHNOLOGY DRIVE
 NOKOMIS, FL 34275
 P.O. BOX 1529
 NOKOMIS, FL 34274



| | | | |
|---|------------|-----------------|---------------------|
| Description: EXTRUSIONS | | | |
| Title: SERIES 770 ALUMINUM SGD - LMI | | | |
| Series/Model: SGD770 | Scale: NTS | Sheet: 22 of 23 | Drawing No. PGT0002 |
| | | | Rev: C2 |

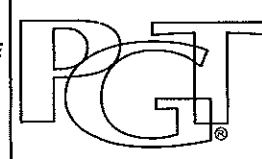


PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 14-0123.10
 Expiration Date 02/17/15
 By: *[Signature]*
 Miami Dade Product Control



| | | | |
|------------------|----------------|-----------------|--------------------------|
| Revised By: J.J. | Date: 10/11/11 | Revisions: C | NO CHANGE THIS SHEET |
| Revised By: JR | Date: 01/23/14 | Revisions: C2 | NO CHANGES TO THIS SHEET |
| Revised By: | Date: | Revisions: | |
| Drawn By: SMC | Date: 08/04/09 | Checked By: RJA | Date: |

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



| | | | |
|---|------------|-----------------|---------------------|
| Description: EXTRUSIONS | | | |
| Title: SERIES 770 ALUMINUM SGD - LMI | | | |
| Series/Model: SGD770 | Scale: NTS | Sheet: 23 of 23 | Drawing No. PGT0002 |
| | | | Rev: C2 |