



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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

PGT Industries, Inc.
1070 Technology Drive,
North Venice, Fl. 34275

SCOPE:

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

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

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "SGD-770" Aluminum Horizontal Sliding Window, w/ 90° & 135° corners – L.M.I.

APPROVAL DOCUMENT: Drawing No. PGT0129, titled "Series 770 Alum. SGD-Window - LMP", sheets 1 through 22 of 22, dated 02/20/14, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Section Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

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

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

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

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed 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 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 Manuel Perez, P.E.



Handwritten signature and date: 7/2/12/15

NOA No. 14-0320.03
Expiration Date: February 12, 2020
Approval Date: February 12, 2015
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **PGT0129**, titled "Series 770 Alum. SGD-Window - LMP", sheets 1 through 22 of 22, dated 02/20/14, prepared by manufacturer, signed and sealed by Anthony 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 202-94
along 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 202-94
along with marked-up drawings and installation diagram of aluminum sliding glass doors, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-5980**, **FTL-5993**, **FTL-6036**, **FTL-6001**, **FTL-6014**, **FTL-6015**, **FTL-6017**, **FTL-6023**, **FTL-6024**, **FTL-6025**, **FTL-6028**, **FTL-6031**, **FTL-6033** and **FTL-6036**, all dated 08/10/09, signed and sealed by Julio Gonzalez, P.E.
Note: Test reports No. **FTL-5980-R**, **FTL-6001-R** and **FTL-6015-R** have been revised and reissued on 12/29/09; all are signed and sealed by Julio Gonzalez, P.E.

(Submitted under NOA No. 09-0826.10)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-5th Edition (2014)**, dated 12/17/14 and 01/30/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Glazing complies with **ASTM E1300-09**.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 14-0320.03

Expiration Date: February 12, 2020
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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, complying with FBC-5th Edition (2014), dated December 17, 2014, issued by manufacturer, signed and sealed by A. Lynn Miller, P.E.
2. Statement letter of no financial interest, issued by manufacturer, dated March 18, 2014, signed and sealed by A. Lynn Miller, P.E.
3. Proposals issued by Product Control Section, dated 08/12/13, signed by Jaime Gascon, P.E., Supervisor, Product Control Section.

G. OTHERS

1. Notice of Acceptance No. 14-0128.11, issued to PGT Industries, Inc. for their Series "SGD-770" Aluminum Sliding Glass Doors w / 90° & 135° corners – L.M.I., approved on 02/12/15 and expiring on 02/17/20. *(For reference only)*



Manuel Perez, P.E.
Product Control Examiner
NOA No. 14-0320.03

Expiration Date: February 12, 2020
Approval Date: February 12, 2015

SERIES 770, IMPACT RESISTANT SLIDING GLASS WINDOW
INCLUDING POCKETS & 90°/135° CORNERS

GENERAL NOTES

- 1) GLAZING TYPE OPTIONS: SEE TABLE B, THIS SHEET
2) DESIGN PRESSURES:
A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E1300.
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E1300.
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 CURRENT FLORIDA BUILDING CODE. FOR ANCHORAGE DETAILS SEE SHEETS 6-14.
4) SHUTTERS ARE NOT REQUIRED.
5) INSTALLATION SCREWS, FRAME SPLICES, FRAME AND PANEL CORNERS TO BE SEALED WITH NARROW JOINT SEALANT.
6) REFERENCES: ELCO ULTRACON, CRETEFLEX AND AGGREGATOR NOA'S, ANSI/AF&PA NDS FOR WOOD CONSTRUCTION AND ADM, ALUMINUM DESIGN MANUAL.
7) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
8) WINDOW SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE, AS APPLICABLE.
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, FTL-6036 AND FTL-7554

ANCHOR NOTES

- 1) FOR CONCRETE/CMU SUBSTRATE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED ELCO ANCHORS. SEE TABLE A ON THIS SHEET FOR EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS.
2) FOR OTHER SUBSTRATE APPLICATIONS SEE TABLE ON THIS SHEET.
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) METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.
5) IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-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 B:

Glass Type	Description (Listed from Exterior to Interior)
G3	7/16" Laminated: (2) Lites of 3/16" HS Glass with .090" PVB Interlayer
G3A	9/16" Laminated: (2) Lites of 1/4" HS Glass with .090" PVB Interlayer
G4	7/16" Laminated: (2) Lites of 3/16" HS Glass with .090" SG Interlayer
G4A	9/16" Laminated: (2) Lites of 1/4" HS Glass with .090" SG Interlayer
G5	1" Laminated I.G.: 3/16" T Exterior Cap + 3/8" Air Space + 7/16" Laminated; (2) Lites of 3/16" HS Glass with .090" PVB Interlayer
G5A	1" Laminated I.G.: 1/4" T Exterior Cap + 5/16" Air Space + 7/16" Laminated; (2) Lites of 3/16" HS Glass with .090" PVB Interlayer
G6	1" Laminated I.G.: 3/16" T Exterior Cap + 3/8" Air Space + 7/16" Laminated; (2) Lites of 3/16" HS Glass with .090" SG Interlayer
G6A	1" Laminated I.G.: 1/4" T Exterior Cap + 5/16" Air Space + 7/16" Laminated; (2) Lites of 3/16" HS Glass with .090" SG Interlayer
G7	7/16" Laminated: (2) Lites of 3/16" ANN Glass with .090" SG Interlayer
G7A	9/16" Laminated: (2) Lites of 1/4" ANN Glass with .090" SG Interlayer
G8	1" Laminated I.G.: 3/16" T Exterior Cap + 3/8" Air Space + 7/16" Laminated; (2) Lites of 3/16" ANN Glass with .090" SG Interlayer
G8A	1" Laminated I.G.: 1/4" T Exterior Cap + 5/16" Air Space + 7/16" Laminated; (2) Lites of 3/16" ANN Glass with .090" SG Interlayer

Revised By:	Date:	Revisions:	
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Drawn By:	Date:	Checked By:	Date:
JR	02/20/14		

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



Description: GENERAL NOTES AND MAP			
Title: SERIES 770 ALUM. SGD-WINDOW - LMI			
Scale:	Sheet:	Drawing No.	Rev.
SGD-770 WINDOW	NTS	1 of 22	PGT0129

GLAZING NOTES:
"ANN" = ANNEALED
"HS" = HEAT STRENGTHENED
"T" = TEMPERED
"PVB" = DUPONT .090" BUTACITE PVB
"SG" = DUPONT .090" SENTRYGLAS

TABLE A:

Group	Anchor	Substrate	Frame Member	Min. Edge Distance	Min. Embedment
1	1/4" Elco Ultracon	Concrete (min. 2.85 ksi)	Head/Sill/Jamb	1"	1-3/8"
		UngROUTED CMU, (ASTM C-90)	Jamb only	2-1/2"	1-1/4"
		Grouted CMU (ASTM C-90, min. 2 ksi grout)	Jamb only	2-1/2"	1-3/4"
2	1/4" Elco 410 S.S. CreteFlex	Concrete (min. 3.35 ksi)	Head/Sill/Jamb	1"	1-3/4"
		UngROUTED CMU, (ASTM C-90)	Jamb only	2-1/2"	1-1/4"
		P.T. Southern Pine (SG=0.55)	Head/Sill/Jamb	1"	1.395"
3	1/4" Elco Ultracon	Concrete (min. 2.85 ksi)	Head/Sill	1"	1-3/8"
		UngROUTED CMU (ASTM C-90)	Jamb only	1"	1-1/4"
		P.T. Southern Pine (SG=0.55)	Head/Sill/Jamb	9/16"	1-3/8"
	#12, 18-8 or 410 S.S. SMS, (min. 11 threads/in)	Aluminum, 6063-T5*	Head/Sill/Jamb	3/8"	0.063"
		Steel, A36*	Head/Sill/Jamb	3/8"	0.050"
		Steel Stud, A653 Gr. 33*	Head/Sill/Jamb	3/8"	0.0451"
		Concrete (min. 3.275 ksi)	Head/Sill/Jamb	1-1/2"	1-3/8"
	1/4" Elco 18-8 S.S. Aggre-Gator	UngROUTED CMU, (ASTM C-90)	Jamb only	2"	1-1/4"
		Grouted CMU (ASTM C-90, min. 2 ksi grout)	Jamb only	2"	2"
		P.T. Southern Pine (SG=0.55)	Head/Sill/Jamb	1"	1-3/8"
4	#12, Steel SMS G5, (min. 11 threads/in)	P.T. Southern Pine (SG=0.55)	Head/Sill/Jamb	9/16"	1-3/8"
		Aluminum, 6063-T5*	Head/Sill/Jamb	3/8"	0.063"
		Steel, A36*	Head/Sill/Jamb	3/8"	0.050"
		Steel Stud, A653 Gr. 33*	Head/Sill/Jamb	3/8"	0.0451"

* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE. METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

NOA DRAWING MAP

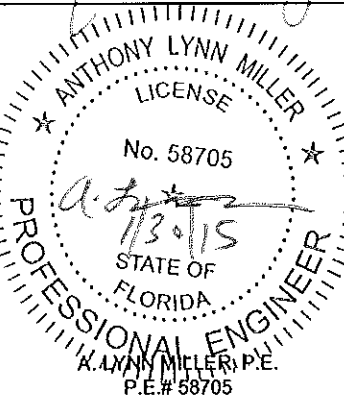
SHEET

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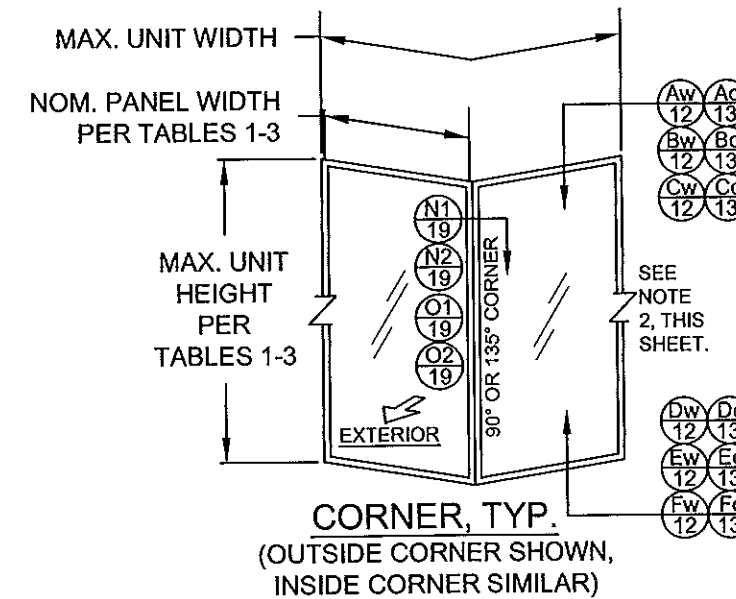
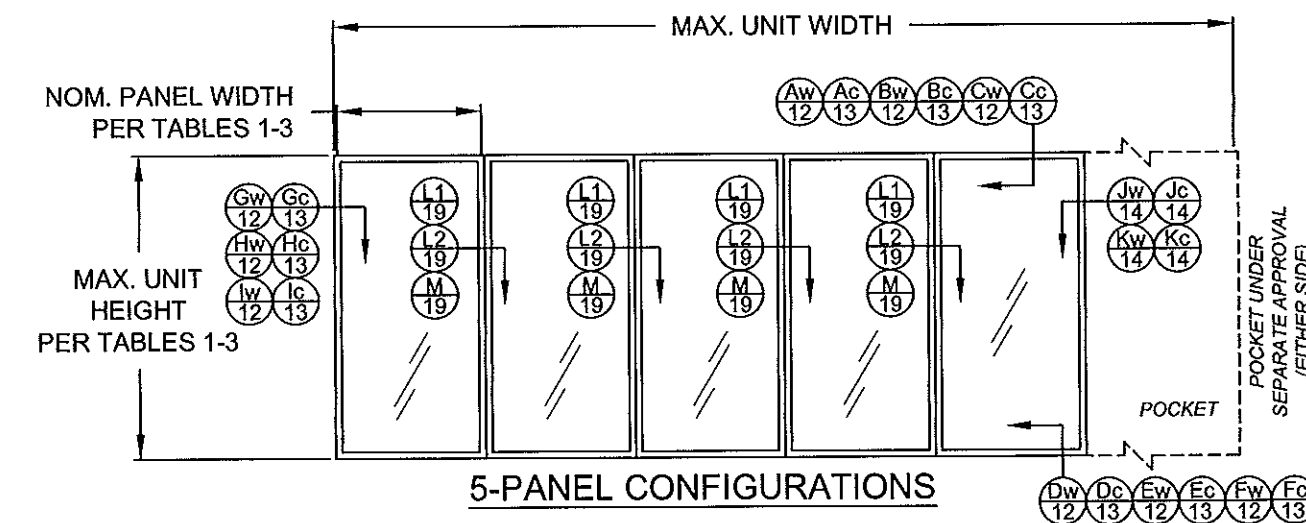
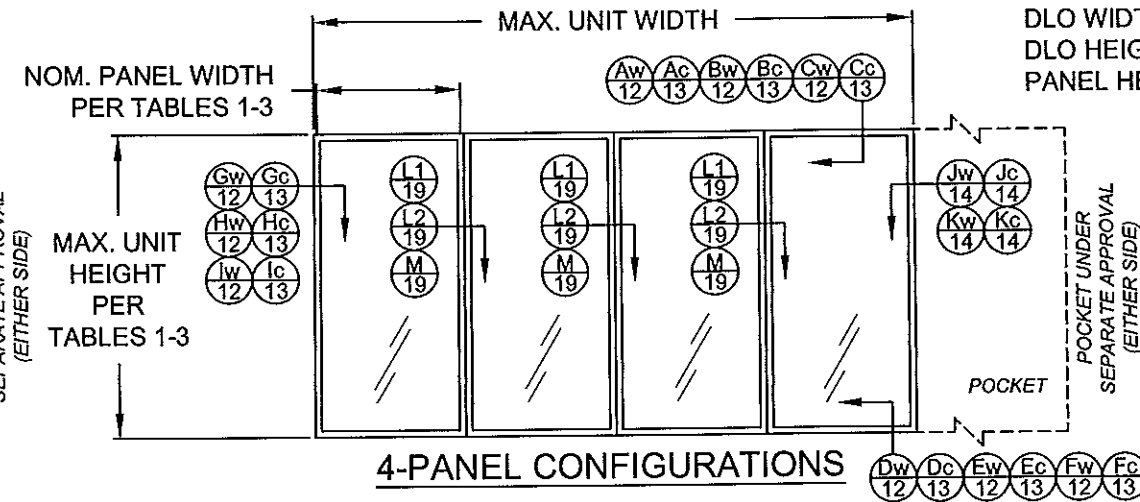
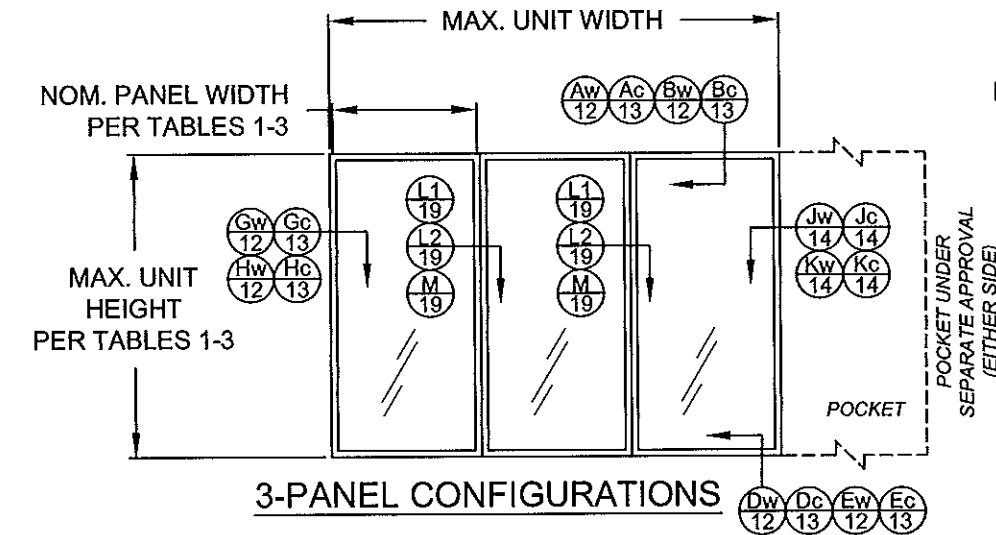
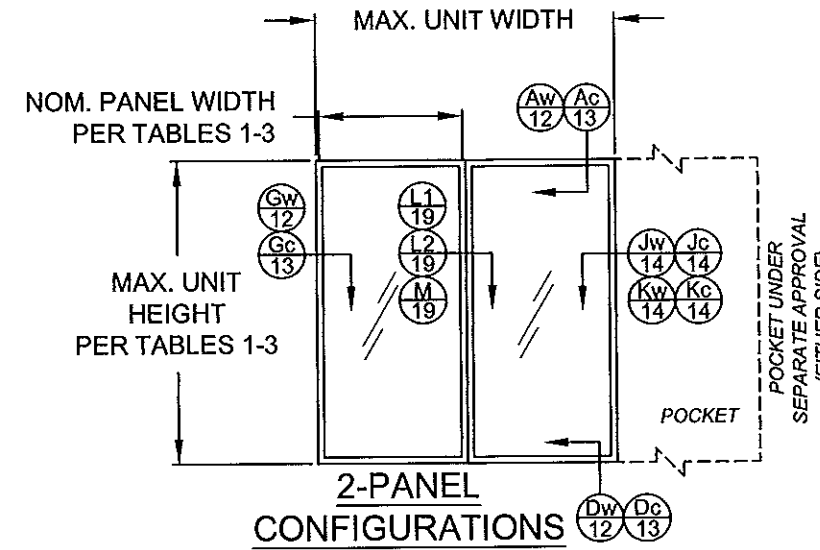
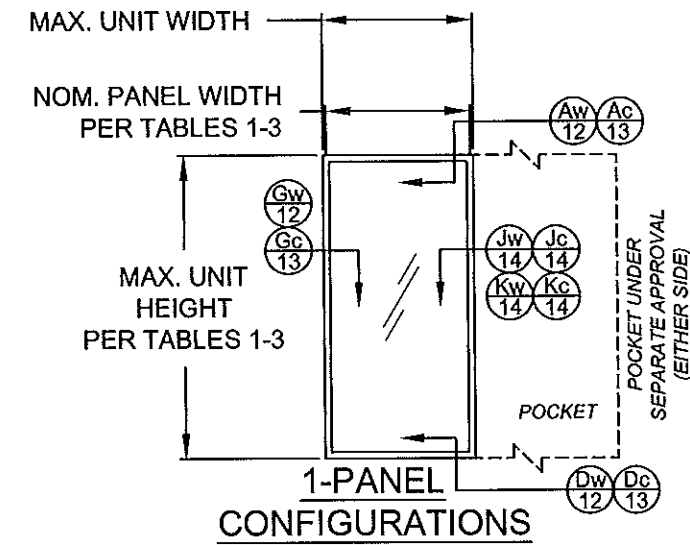
DESIGN PRESSURE RATING	IMPACT RATING
SEE TABLES 1, 2 & 3 ON SHEETS 6, 7 & 8	RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANCE

Approved as complying with the
Florida Building Code
Date FEB. 12, 2015
NOA# 14-0320-03
Miami Dade Product Control

Mamuel Perez



EXAMPLE CONFIGURATIONS



CONFIGURATIONS NOTES:

1) ALL CONFIGURATIONS SHOWN ARE ALSO AVAILABLE AS POCKET CONFIGURATIONS AT EITHER OR BOTH JAMB LOCATIONS USING DETAIL "Jw", "Jc", "Kw" OR "Kc" INSTALLATION. EXAMPLE: 4-PANEL XXXX IN POCKET (p) CONFIGURATION CAN BE pXXXXp, pXXXX OR XXXXp. OXXX IN POCKET CONFIGURATION CAN BE OXXXp.

2) 90° & 135° CORNER CONFIGURATIONS CAN BE A COMBINATION OF ANY 2 STRAIGHT CONFIGURATIONS.

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

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

DETAIL LETTER
"Xx" =
"w" = WOOD OR METAL INSTALLATION
"c" = CONCRETE INSTALLATION
SHEET NUMBER

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

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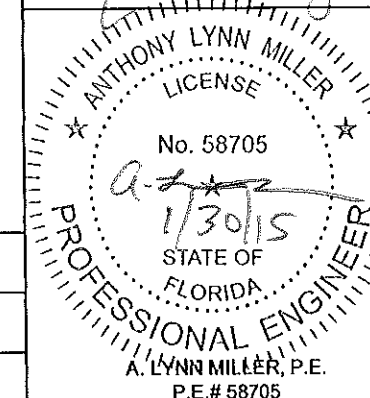
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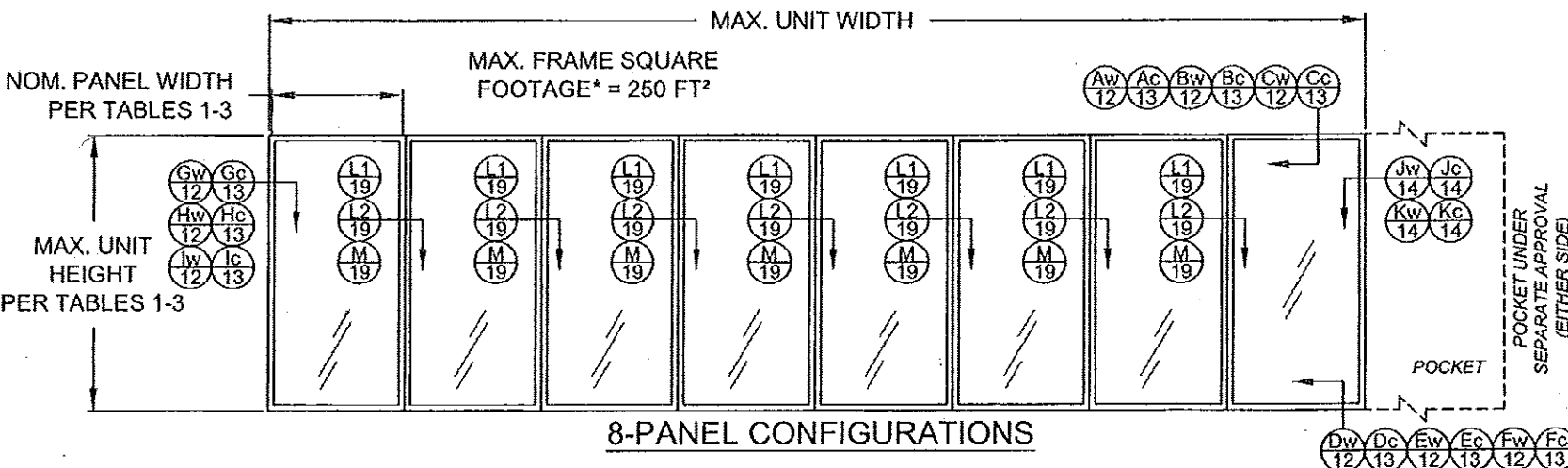
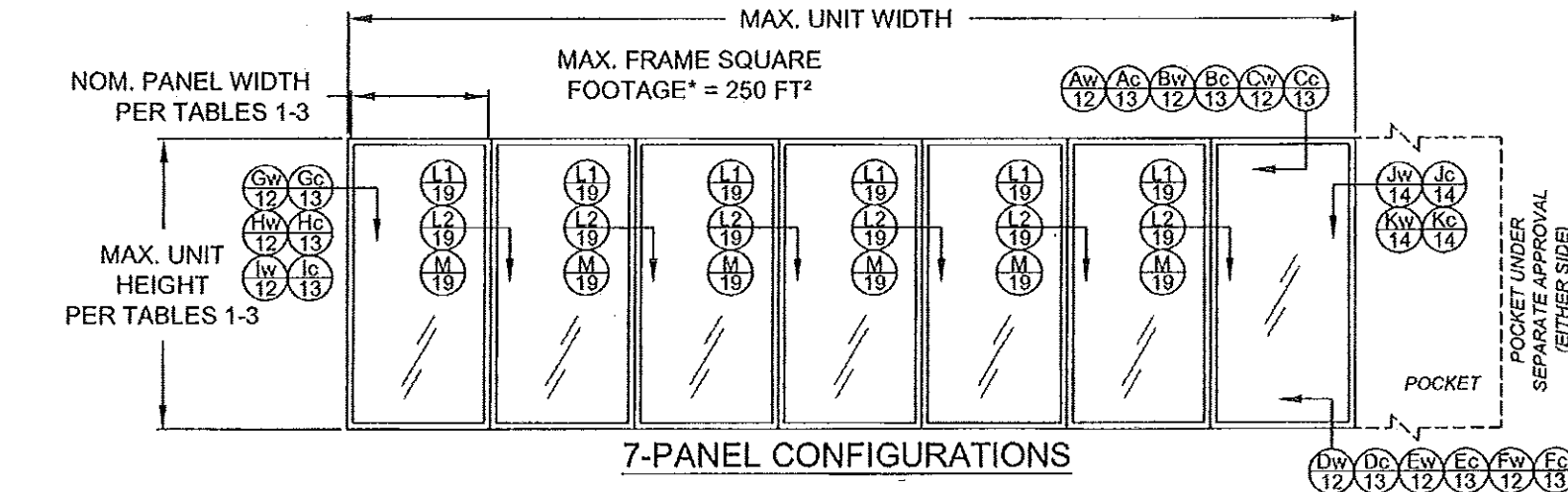
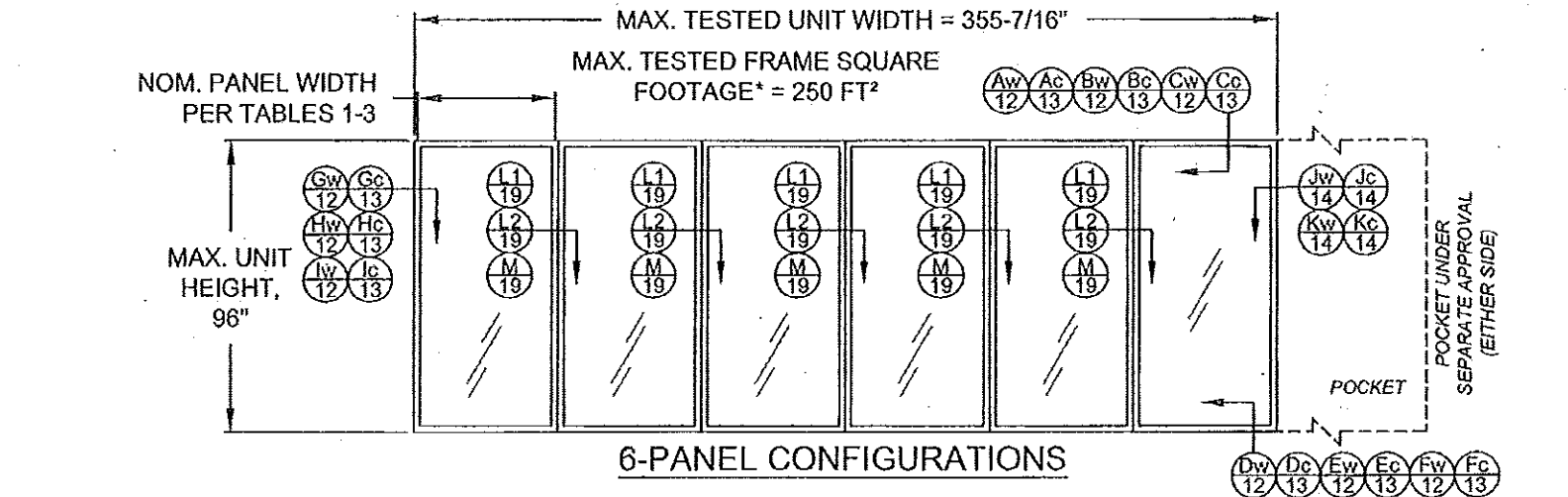
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Title:	SERIES 770 ALUM. SGD-WINDOW - LMI		
Series/Model:	Scale:	Sheet:	Drawing No.
SGD-770 WINDOW	NTS	2 of 22	PGT0129

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By: *Manuel Perez*



EXAMPLE CONFIGURATIONS



CONFIGURATIONS NOTES:

1) ALL CONFIGURATIONS SHOWN ARE ALSO AVAILABLE AS POCKET CONFIGURATIONS AT EITHER OR BOTH JAMB LOCATIONS USING DETAIL "Jw", "Jc", "Kw" OR "Kc" INSTALLATION. EXAMPLE: 4-PANEL XXXX IN POCKET (p) CONFIGURATION CAN BE pXXXXp, pXXXX OR XXXXp. OXXX IN POCKET CONFIGURATION CAN BE OXXXp.

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DETAIL LETTER

Xx
##

"w" = WOOD OR METAL INSTALLATION
"c" = CONCRETE INSTALLATION

SHEET NUMBER

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

* FRAME SQUARE FOOTAGE = OVERALL UNIT WIDTH (IN) x OVERALL UNIT HEIGHT (IN) / 144

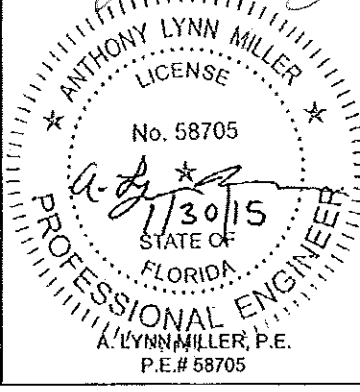
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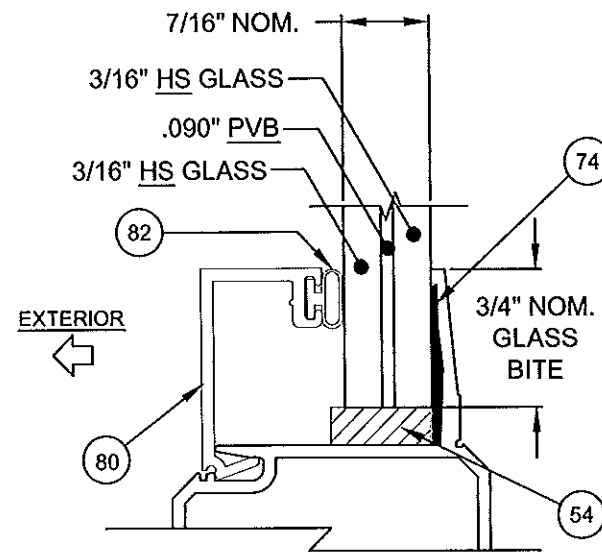
1070 TECHNOLOGY DRIVE
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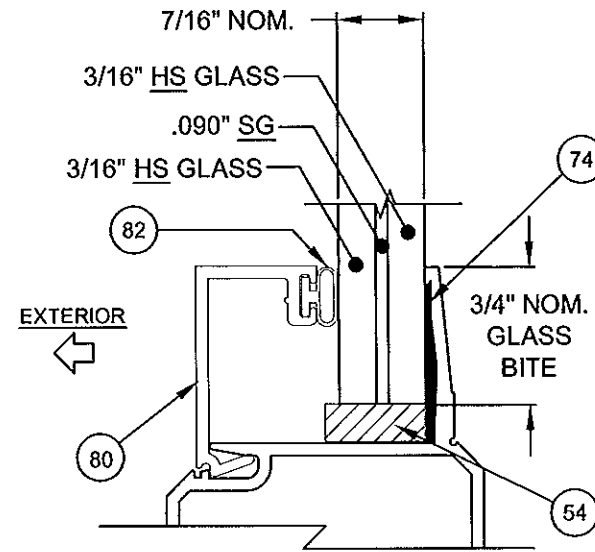
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Title:	SERIES 770 ALUM. SGD-WINDOW - LMI		
Series/Model:	SGD-770 WINDOW	Scale:	NTS
Sheet:	3	of	22
Drawing No.	PGT0129		
Rev:			

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By Manuel Perez

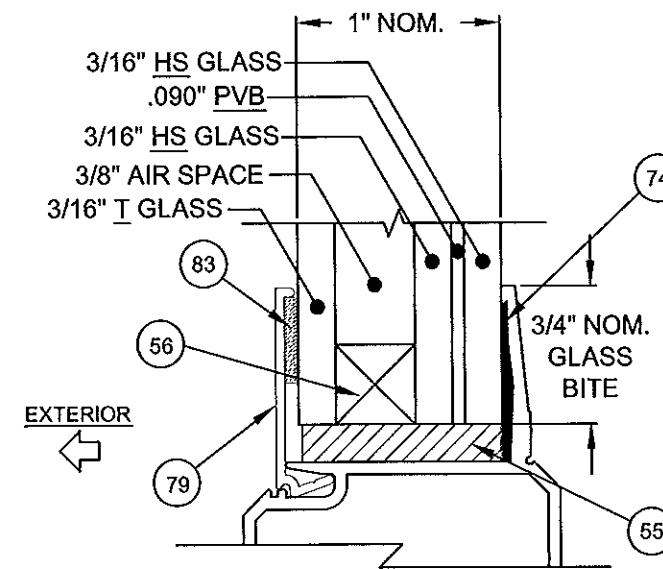




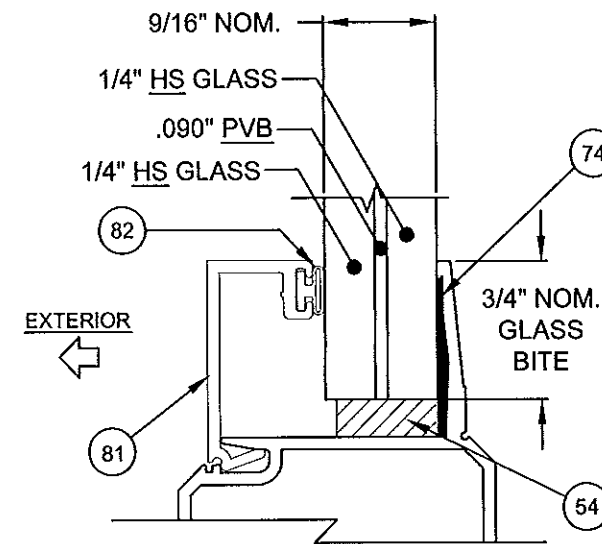
7/16" LAMINATED GLASS, TYPE G3



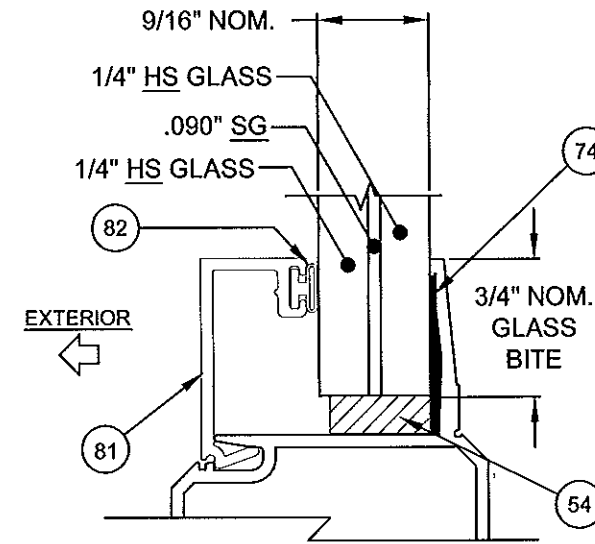
7/16" LAMINATED GLASS, TYPE G4



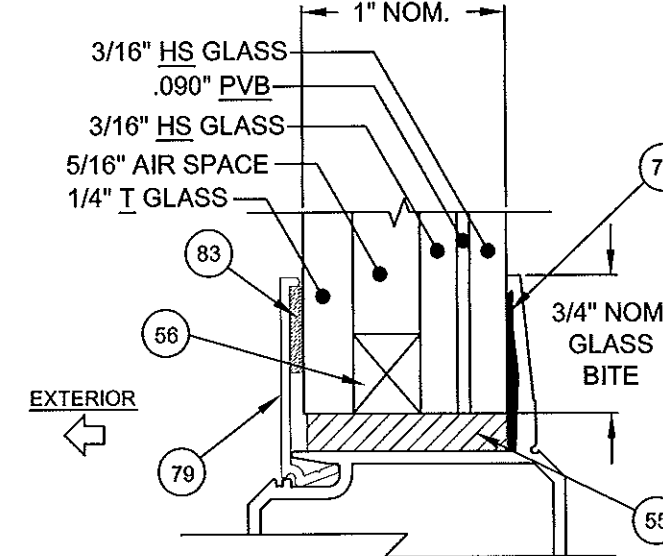
1" LAMINATED I.G. GLASS, TYPE G5



9/16" LAMINATED GLASS, TYPE G3A



9/16" LAMINATED GLASS, TYPE G4A



1" LAMINATED I.G. GLASS, TYPE G5A

GLAZING NOTES:
 "ANN" = ANNEALED
 "HS" = HEAT STRENGTHENED
 "T" = TEMPERED
 "PVB" = DUPONT .090" BUTACITE PVB
 "SG" = DUPONT .090" SENTRYGLAS

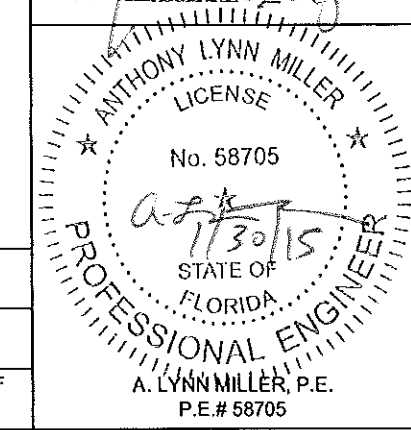
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Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	02/20/14	

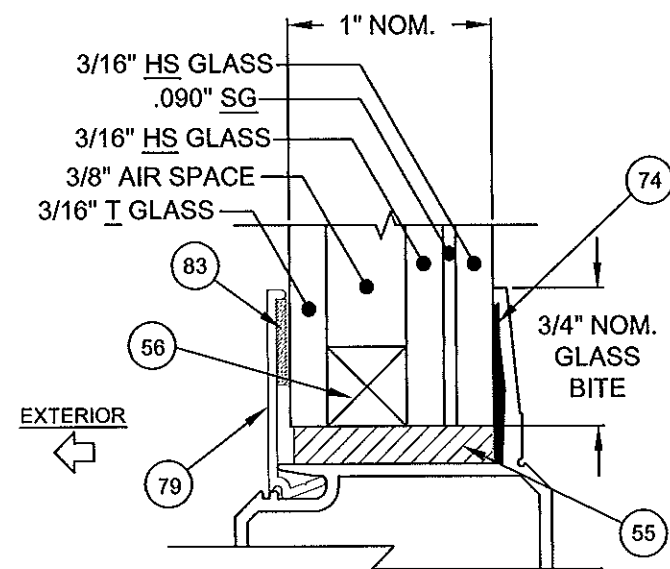
1070 TECHNOLOGY DRIVE
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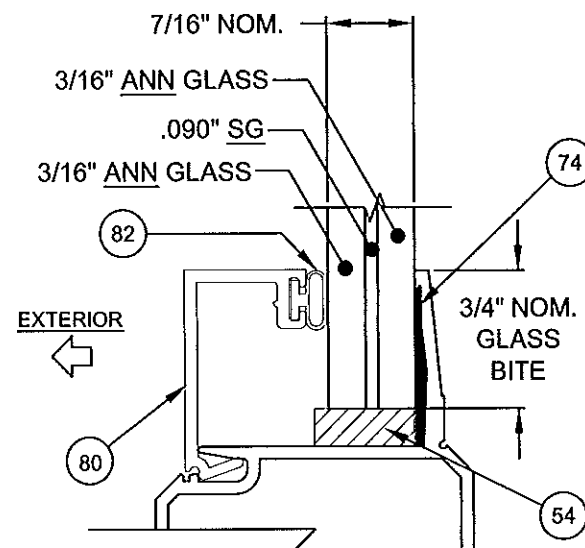
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Title: SERIES 770 ALUM. SGD-WINDOW - LMI			
Series/Model: SGD-770 WINDOW	Scale: NTS	Sheet: 4 of 22	Drawing No. PGT0129
Rev.			

Approved as complying with the
 Florida Building Code
 Date: FEB 12 2015
 NOAH: 14-0320.03
 Miami Dade Product Control
 By: Manuel Perez

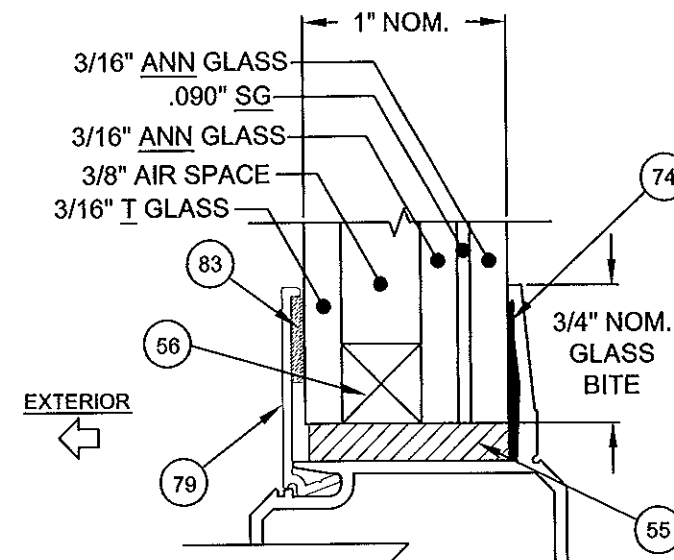




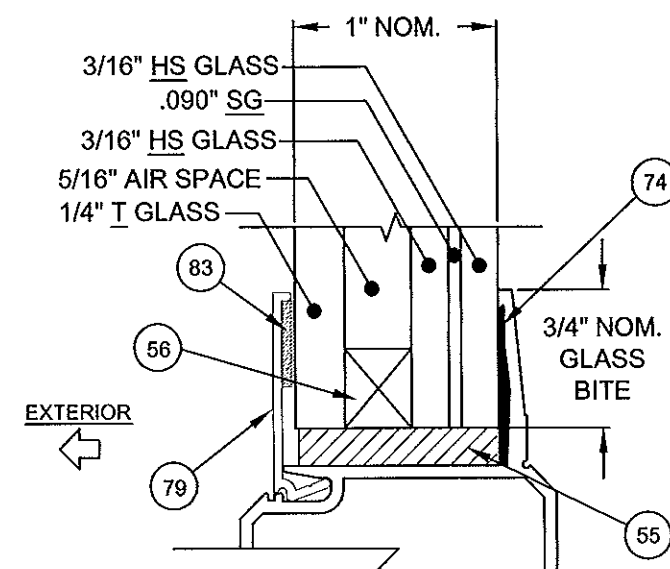
1" LAMINATED I.G. GLASS, TYPE G6



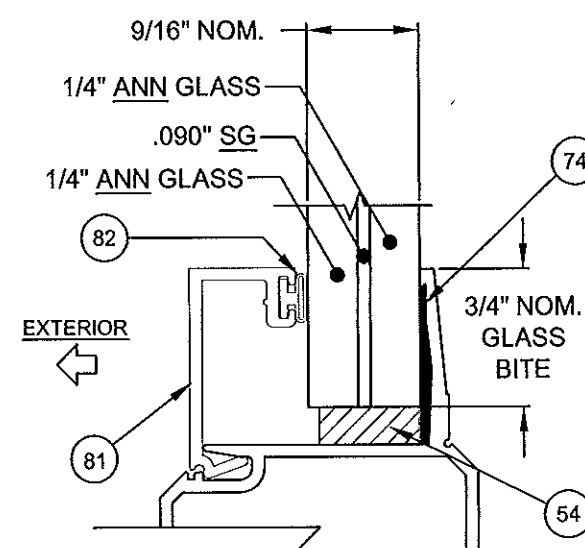
7/16" LAMINATED GLASS, TYPE G7



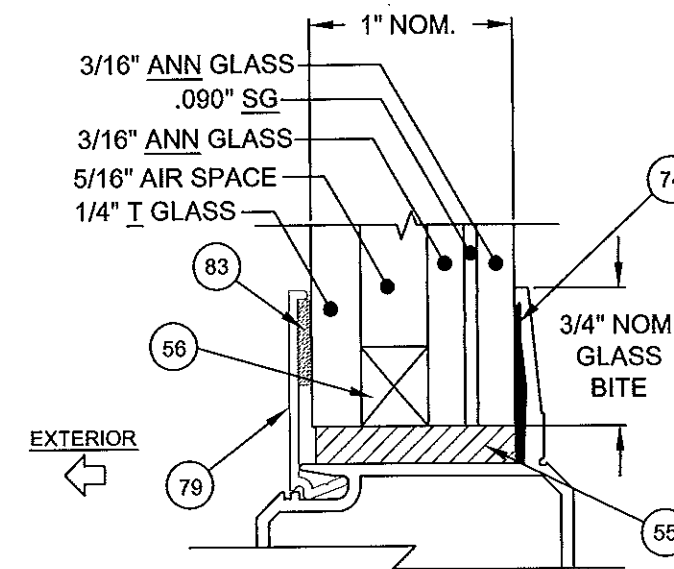
1" LAMINATED I.G. GLASS, TYPE G8



1" LAMINATED I.G. GLASS, TYPE G6A



9/16" LAMINATED GLASS, TYPE G7A



1" LAMINATED I.G. GLASS, TYPE G8A

GLAZING NOTES:

"ANN" = ANNEALED

"HS" = HEAT STRENGTHENED

"T" = TEMPERED

"PVB" = DUPONT .090" BUTACITE PVB

"SG" = DUPONT .090" SENTRYGLAS

Revsd By:	Date:	Revisions:
Revsd By:	Date:	Revisions:
Revsd By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	02/20/14	

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275

(941)-480-1600

CERT. OF AUTH. #29296



Description:

GLAZING DETAILS

Title:

SERIES 770 ALUM. SGD-WINDOW - LMI

Series/Model:

SGD-770 WINDOW

Scale:

NTS

Sheet:

5 of 22

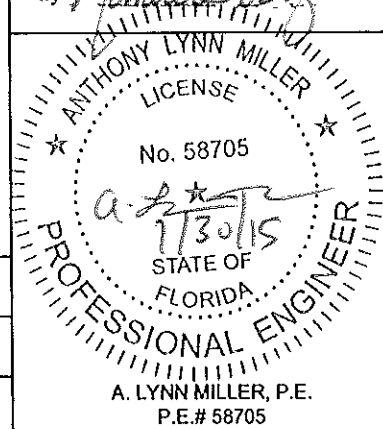
Drawing No.

PGT0129

Rev:

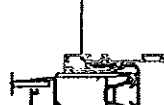
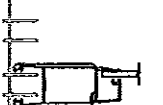
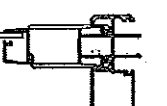
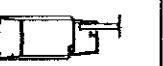
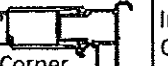
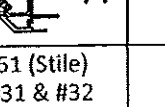
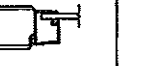
Approved as complying with the
Florida Building Code
Date FEB. 12, 2015
NOAH 14-0320.03
Miami Dade Product Control

By Manuel Perez



Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheets 2 & 3)																		Max. DP for all sizes: +60 / -60 (May be limited by Table 2A)									
For corner astragal anchorage on 90° or 135° corner units, see sheet 11																											
Table applies to Glass types 4, 4A, 6, 6A, 7, 7A, 8 & 8A and the Stile/Astragal types shown below.				Window Height (in)																							
				42				48				60				72				80				96			
				31-7/8" DLO				37-7/8" DLO				49-7/8" DLO				61-7/8" DLO				69-7/8" DLO				85-7/8" DLO			
				Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group			
				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Nominal Panel Width (in)	24	17" DLO	Head/Sill	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1
			Jamb	4	4	4	4	6	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8
	36	29" DLO	Head/Sill	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1
			Jamb	4	4	4	4	6	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8
	42	35" DLO	Head/Sill	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1
			Jamb	4	4	4	4	6	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8
	48	41" DLO	Head/Sill	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2
			Jamb	4	4	4	4	6	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8
	54	47" DLO	Head/Sill	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2
			Jamb	4	4	4	4	6	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8
	60	53" DLO	Head/Sill	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C5+2	C5+2
			Jamb	4	4	4	4	6	6	6	6	6	6	6	6	8	8	8	8	8							

- 1) POSITIVE PRESSURES IN TABLE 2 ARE BASED ON THE USE OF THE 3-1/4" SILL.
- 2) WHEN USING THE 2-1/2" SILL, POSITIVE WATER DP IS 46.67 PSF MAX. WHEN USING THE 3-1/4" OR 4" SILL, POSITIVE WATER DP IS 60.0 PSF MAX. (NEGATIVE PRESSURES UNCHANGED). SEE TABLE 2A.
- 3) ONLY THE 2-1/2", 3-1/4" AND 4" SILL HEIGHTS HAVE BEEN TESTED FOR WATER INFILTRATION RESISTANCE. THE 1-1/2" SILL HAS NOT AND MAY ONLY BE USED IN A PASS-THRU WINDOW WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED DUE TO ROOF OVERHANG CONDITIONS. POSITIVE DESIGN PRESSURES SHOWN IN TABLE 2 MAY BE USED WHEN THE WINDOW IS USED AS A PASS-THRU WINDOW.
- 4) SEE SHEETS 10-14 FOR ANCHORAGE SPACING, EDGE DISTANCE AND EMBEDMENT INFORMATION.
- 5) WINDOW SIZE TO COMPLY WITH CURRENT FBC EGRESS REQUIREMENTS WHEN REQUIRED.
- 6) JAMB ANCHORS ARE SPECIFIED AS THE TOTAL QUANTITY, DIVIDE BY 2 FOR PAIRS TO BE INSTALLED.

Interlock	P-hook	Lockstile @ Jamb	Straight Astragal Assembly	Lockstile @ Straight Astragal	90° Astragal Assembly	Lockstile @ 90° Astragal	135° Astragal Assembly	Lockstile @ 135° Astragal
Heavy-duty Stiles	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile
			Standard Astragal 		Outside Corner  Inside Corner 	Outside Corner  Inside Corner 	Inside Corner  Outside Corner 	
Part #61 (x2)	Part #61	Part #61	Part #61 (Stile) Part #67 (Astragal)	Part #61	Part #61 (Stile) Part #118 (Corner Receiver)	Part #119 (Out.) Part #120 (In.)	Part #61 (Stile) Parts #31 & #32 (Corn. & Fxd Mount)	Part #61

Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Drawn By:	Date:	Checked By:	Date:
.IR	02/20/14		



Description:			
DP AND ANCHORAGE			
Title:			
SERIES 770 ALUM. SGD-WINDOW - LMI			
Series/Model:	Scale:	Sheet:	Drawing No.
SGD-770 WINDOW	NTS	7 of 22	PGT0129

Sill Height to Max. (+) DP (Water Infiltration Rating)	
Sill Riser Height (Flat or Box, see Sheet 17)	(+) Design Pressure, psf
Flush - 1-1/2"	see note 3
Low - 2-1/2"	+ 46.67
Medium - 3-1/4"	+ 60.0
High - 4"	+ 60.0

PANEL HEIGHT =
WINDOW UNIT HEIGHT - 1.866"

○ = EXAMPLE ON SHEET 9

Approved as complying with the
Florida Building Code
Date FEB. 12, 2015
NOA# 14-0370.03
Miami Dade Product Control

By Manuel C. Ruiz

ANTHONY LYNN MILLER

LICENSE

No. 58705

1/30/5

STATE OF
FLORIDA



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

TABLE 3

Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheets 2 & 3)																		Maximum DP shown below (May be limited by Table 3A)							
For corner astragal anchorage on 90° or 135° corner units, see sheet 11																									
Table applies to Glass types 4, 4A, 6, 6A, 7, 7A, 8 & 8A and the Stile/Astragal types shown below.																		Window Unit Height (in)							
																		42				48			
																		31-7/8" DLO				37-7/8" DLO			
																		Anchor Group				Anchor Group			
																		1	2	3	4	1	2	3	4
Nominal Panel Width (in)	24	17" DLO	Design Pressure	+/-90.0 psf																					
			Head/Sill	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1
			Jamb	4	4	4	4	6	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	8	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	6+7	6+7	6+7	6+7	7+8	7+8
	36	29" DLO	Design Pressure	+/-90.0 psf																					
			Head/Sill	C4+1	C4+1	C4+2	C4+2	C4+1	C4+1	C4+2	C4+2	C4+1	C4+1	C4+2	C4+2	C4+1	C4+1	C4+2	C4+2	C4+1	C4+1	C4+2	C4+2	C4+1	C4+1
			Jamb	4	4	4	4	6	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	10	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	6+7	6+7	6+7	6+7	7+8	8+9
	42	35" DLO	Design Pressure	+/-90.0 psf																					
			Head/Sill	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C5+2	C5+2	C5+2
			Jamb	4	4	4	4	6	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	10	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	6+7	6+7	7+8	7+8	7+8	8+9
	48	41" DLO	Design Pressure	+/-90.0 psf																					
			Head/Sill	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C5+2	C5+2	C5+2	C5+2
			Jamb	4	4	4	4	6	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8	10	8
			P-Hook	4+5	4+5	4+5	4+5	4+5	4+5	4+5	4+5	5+6	5+6	5+6	5+6	6+7	6+7	6+7	6+7	6+7	6+7	7+8	7+8	7+8	8+9

FOR EXAMPLE ON USING TABLE, SEE SHEET 7.

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

NOTES:

- 1) POSITIVE PRESSURES IN TABLE 3 ARE BASED ON THE USE OF THE 4" SILL.
- 2) WHEN USING THE 2-1/2" SILL, POSITIVE WATER DP IS 46.67 PSF MAX. WHEN USING THE 3-1/4", POSITIVE WATER DP IS 60.0 PSF MAX. WHEN USING THE 4" SILL, POSITIVE WATER DP IS 90.0 PSF MAX. (NEGATIVE PRESSURES UNCHANGED). SEE TABLE 3A.
- 3) ONLY THE 2-1/2", 3-1/4" AND 4" SILL HEIGHTS HAVE BEEN TESTED FOR WATER INFILTRATION RESISTANCE. THE 1-1/2" SILL HAS NOT AND MAY ONLY BE USED IN A PASS-THRU WINDOW, WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED DUE TO ROOF OVERHANG CONDITIONS. POSITIVE DESIGN PRESSURES SHOWN IN TABLE 3 MAY BE USED WHEN THE WINDOW IS USED AS A PASS-THRU WINDOW.
- 4) SEE SHEETS 10-14 FOR ANCHORAGE SPACING, EDGE DISTANCE AND EMBEDMENT INFORMATION.
- 5) WINDOW SIZE TO COMPLY WITH CURRENT FBC EGRESS REQUIREMENTS WHEN REQUIRED.
- 6) JAMB ANCHORS ARE SPECIFIED AS THE TOTAL QUANTITY, DIVIDE BY 2 FOR PAIRS TO BE INSTALLED.

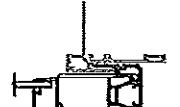
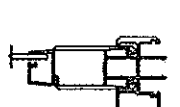
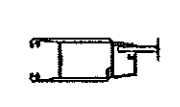
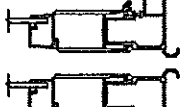
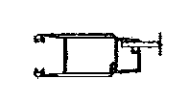
TABLE 3A:

Sill Height to Max. (+) DP (Water Infiltration Rating)	
Sill Riser Height (Flat or Box, see Sheet 17)	(+) Design Pressure, psf
Flush - 1-1/2"	see note 3
Low - 2-1/2"	+ 46.67
Medium - 3-1/4"	+ 60.0
High - 4"	+ 90.0

SEE NOTES 1-3

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

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

Interlock	P-hook	Lockstile @ Jamb	Straight Astragal Assembly	Lockstile @ Straight Astragal	90° Astragal Assembly	Lockstile @ 90° Astragal	135° Astragal Assembly	Lockstile @ 135° Astragal
Heavy-duty Stiles	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile
								
Part #61 (x2)	Part #61	Part #61	Part #61 (Stile) Part #68 (Astragal)	Part #61	Part #61 (Stile) Part #118 (Corner Receiver)	Part #119 (Out.) Part #120 (In.)	Part #61 (Stile) Parts #31 & #32 (Corn. & Fxd Mount)	Part #61

Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Drawn By:	Date:	Checked By:	Date:
JR	02/20/14		

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275

(941)-490-1600

CERT. OF AUTH. #29296



Description:

DP AND ANCHORAGE

Title:

SERIES 770 ALUM. SGD-WINDOW - LMI

Series/Model:

SGD-770 WINDOW

Scale:

NTS

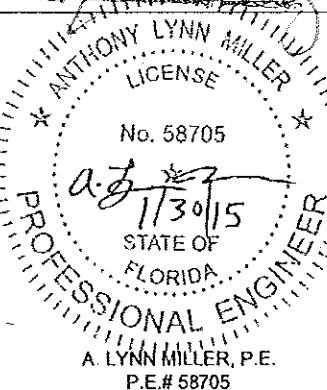
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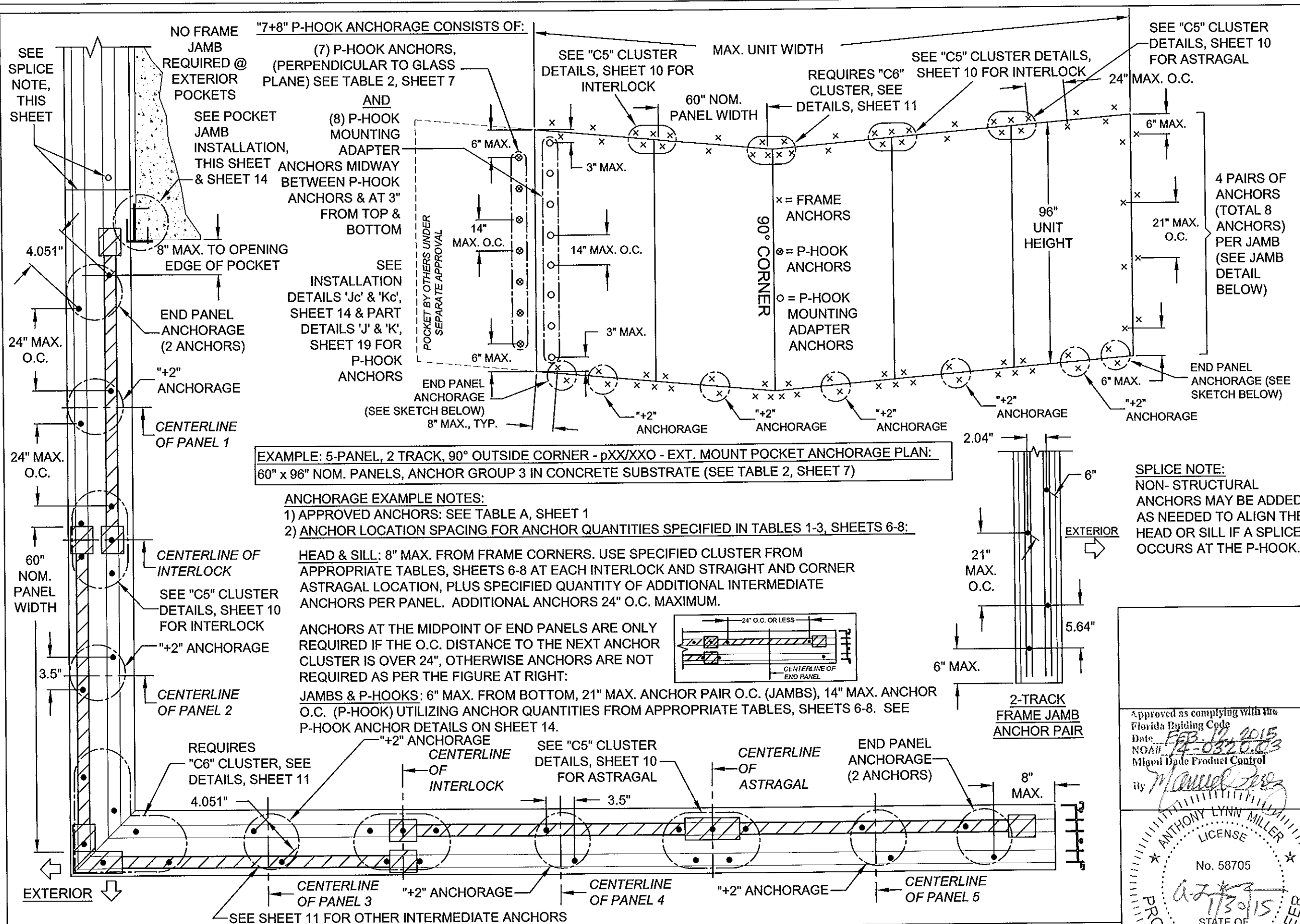
8 of 22

Drawing No.

PGT0129

Rev.

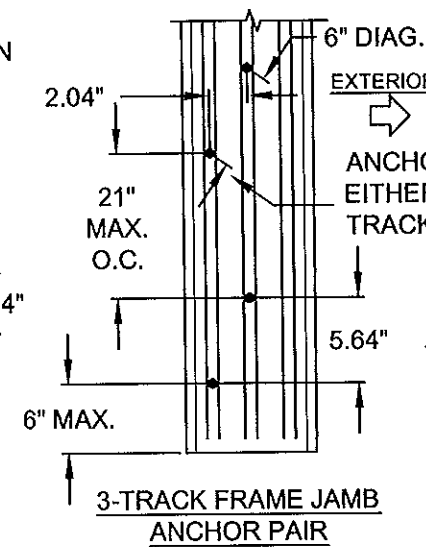
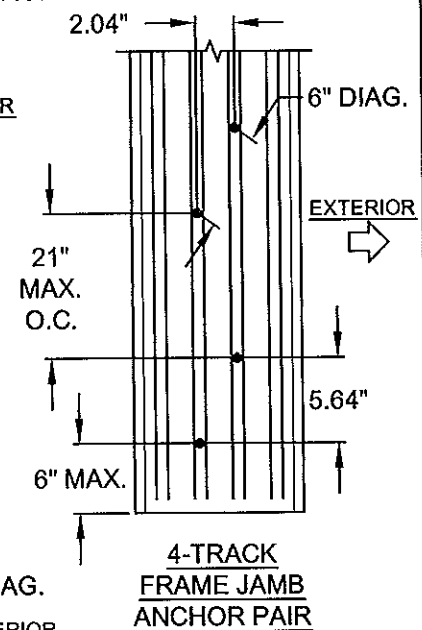
Approved as complying with the
Florida Building Code
Date: FEB. 12, 2015
NOA# 14-0320-03
Miami Dade Product ControlBy: *Anthony Lynn Miller*



Revised By:	Date:	Revisions:			1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941)-480-1600	PGT®	Description: ANCHORAGE SPACING & EXAMPLE PLANS			
Revised By:	Date:	Revisions:					Title: SERIES 770 ALUM. SGD-WINDOW - LMI			
Revised By:	Date:	Revisions:					Series/Model: SGD-770 WINDOW	Scale: NTS	Sheet: 9 of 22	Drawing No. PGT0129
Drawn By: JR	Date: 02/20/14	Checked By:	Date:		CERT. OF AUTH. #29296					

Approved as complying with the Florida Building Code
Date: **FEB 12 2015**
NOAH: **14-0320-03**
Miami Dade Product Control
by *Manuel Perez*

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



ASTRAGAL OR INTERLOCK CENTERLINE (FOR SPLICE CONDITION, DO NOT USE THIS DETAIL)

3.5"

2.04"

4" DIAG.

7"

EXTERIOR

FOR SPliced CONDITIONS ONLY: SPLICED LOCATION IF NEEDED

7"

3.5"

2.04"

4" DIAG.

3.5"

3.5"

4-TRACK FRAME HEAD/SILL @ ASTRAGAL OR INTERLOCK (USE WHERE 6 CLUSTER ANCHORS ARE REQUIRED, "C6") WITH & WITHOUT SPLICE CONDITION

Description:				
ANCHORAGE, EXAMPLE CLUSTERS				
Title:				
SERIES 770 ALUM. SGD-WINDOW - LMI				
Series/Model:	Scale:	Sheet:	Drawing No.	Rev.
SGD-770 WINDOW	NTS	10 of 22	PGT0129	

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Florida Building Code
Date FEB. 12, 2015
NOA# 14-0320-03
Miami Dade Product Control

By *Wm. L. Briggs*

11/11/11

ANTHONY LYNN MILLER
LICENSE

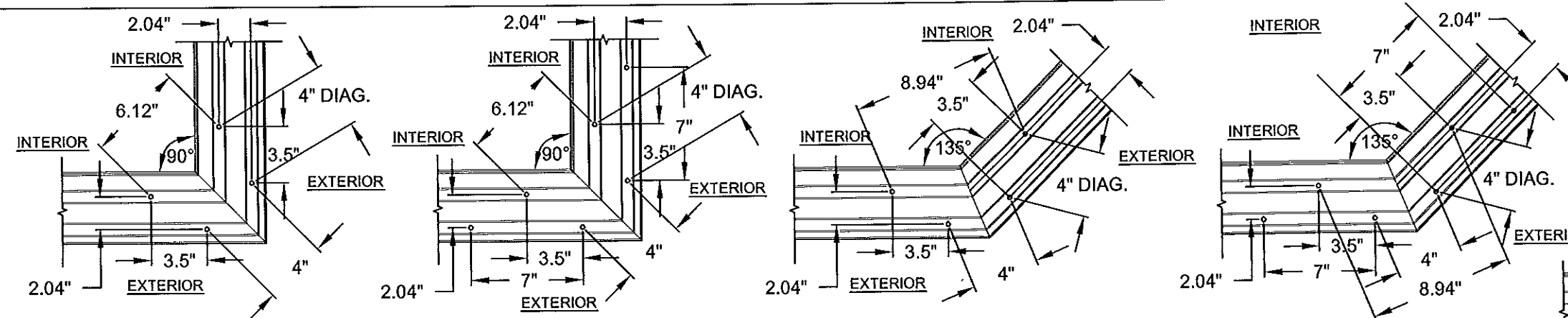
No. 58705

42

STATE OF
FLORIDA



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



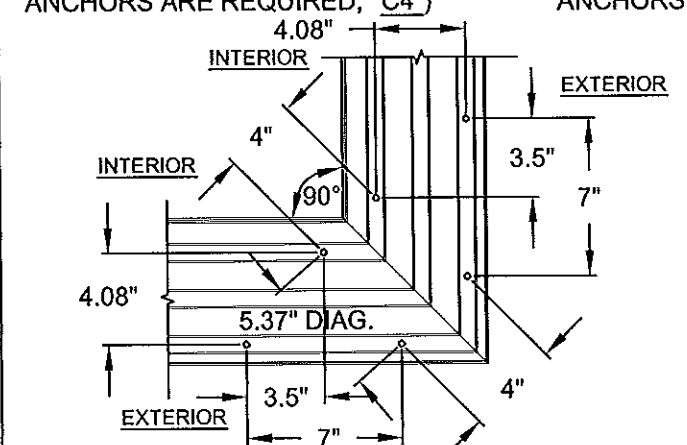
90° CORNER
2-TRACK FRAME HEAD/SILL
(USE WHERE 4 CLUSTER
ANCHORS ARE REQUIRED, "C4")

90° CORNER
2-TRACK FRAME HEAD/SILL
(USE WHERE 5 OR 6 CLUSTER
ANCHORS ARE REQUIRED, "C6")

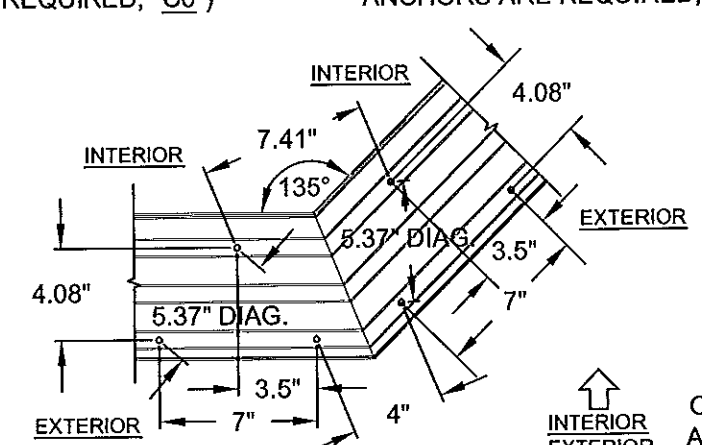
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2-TRACK FRAME HEAD/SILL
(USE WHERE 4 CLUSTER
ANCHORS ARE REQUIRED, "C4")

135° CORNER
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(USE WHERE 5 OR 6 CLUSTER
ANCHORS ARE REQUIRED, "C6")

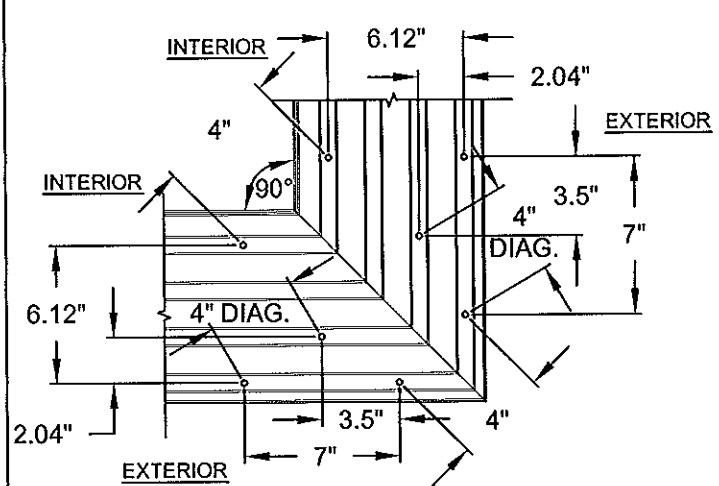
NOTES:
1. ALL DIMENSIONS SHOWN
ARE BASED ON MINIMUM
ALLOWED.
2. DETAILS DEPICT ANCHOR
QUANTITY AND SPACING,
AND WOULD BE IDENTICAL
FOR EXTERIOR OR INTERIOR
CORNER CONFIGURATIONS.



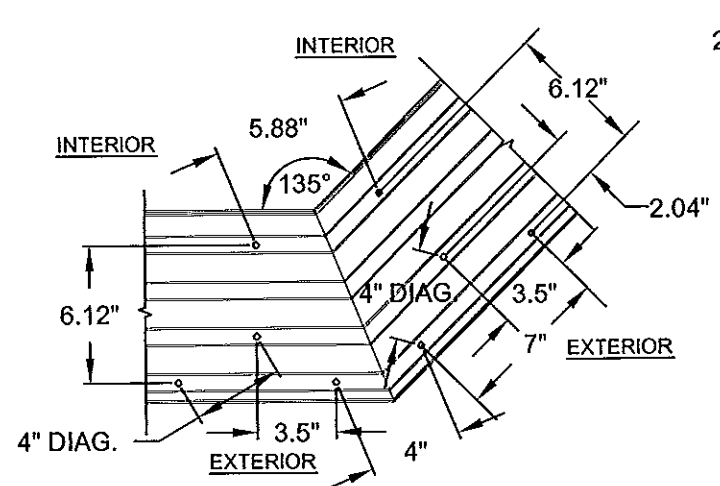
90° CORNER
3-TRACK FRAME HEAD/SILL
("C6" ANCHOR CLUSTER REQUIRED
AT ALL 3-TRACK CORNERS)



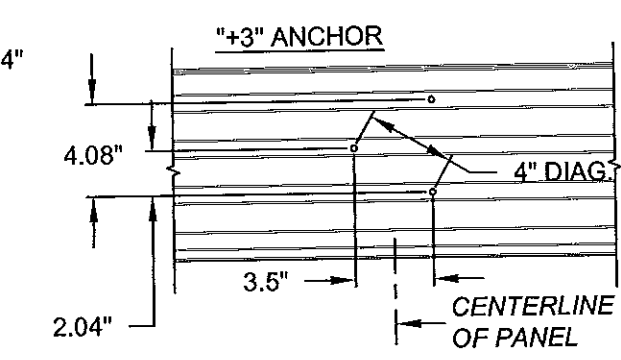
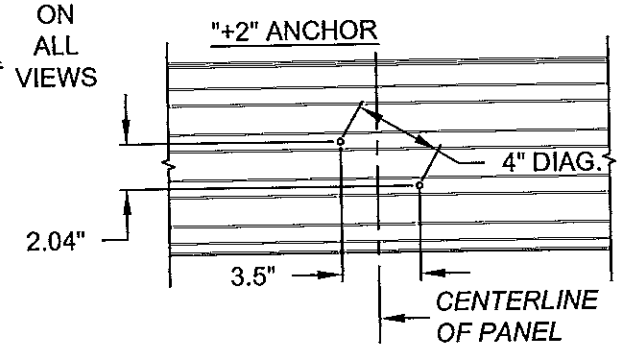
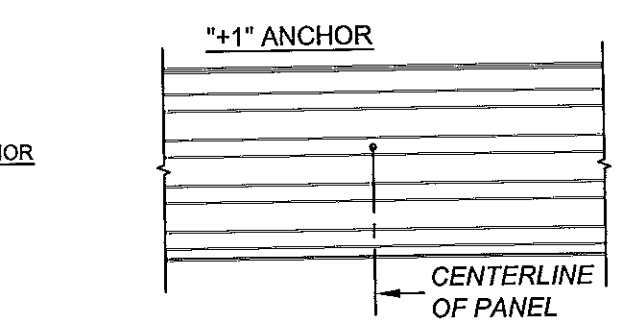
135° CORNER
3-TRACK FRAME HEAD/SILL
("C6" ANCHOR CLUSTER REQUIRED
AT ALL 3-TRACK CORNERS)



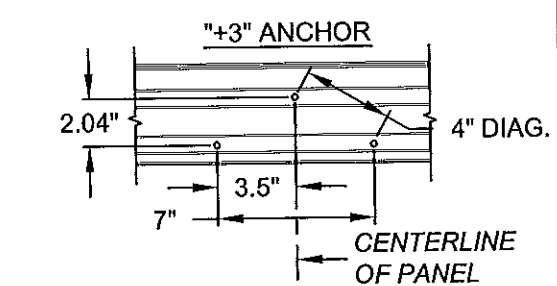
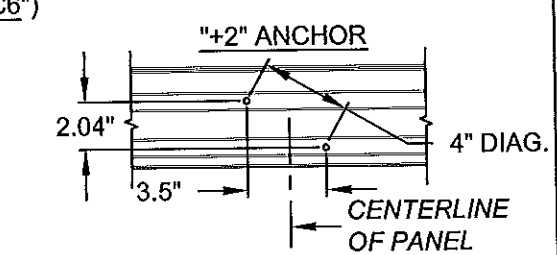
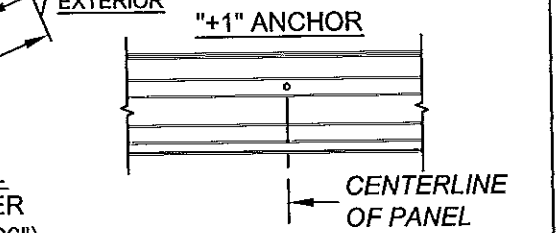
90° CORNER
4-TRACK FRAME HEAD/SILL
("C8" ANCHOR CLUSTER REQUIRED
AT ALL 4-TRACK CORNERS)



135° CORNER
4-TRACK FRAME HEAD/SILL
("C8" ANCHOR CLUSTER REQUIRED
AT ALL 4-TRACK CORNERS)



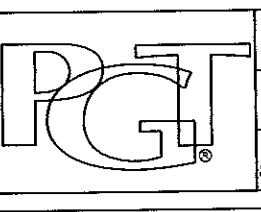
4-TRACK FRAME HEAD/SILL
INTERMEDIATE ANCHOR LAYOUT
(3-TRACK SIMILAR)



2-TRACK FRAME HEAD/SILL
INTERMEDIATE ANCHOR LAYOUT

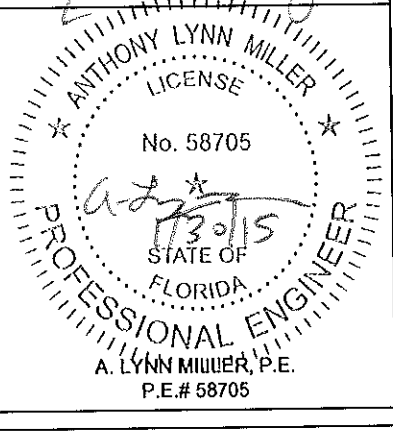
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	02/20/14	

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

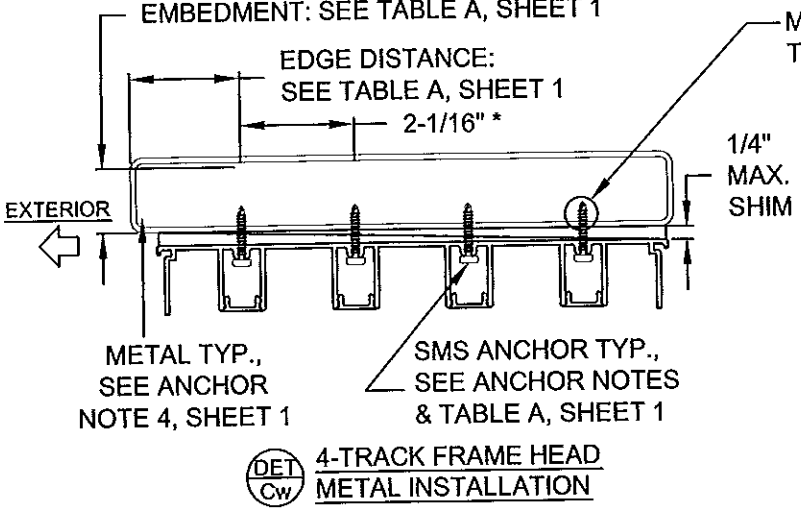
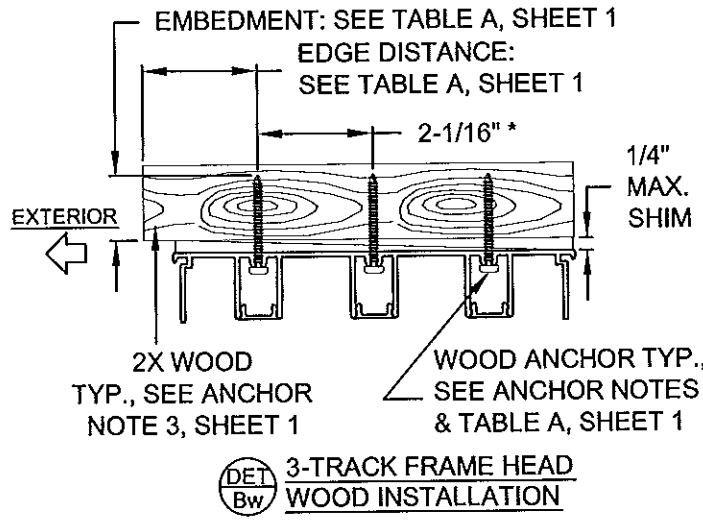
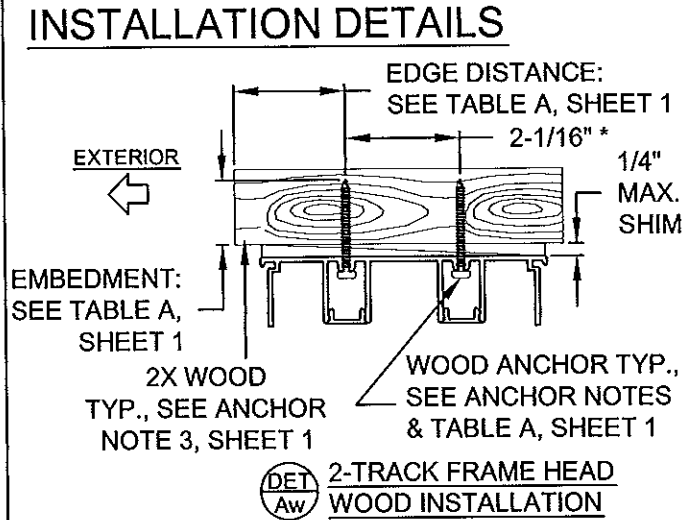


Description: ANCHORAGE, EXAMPLE CLUSTERS			
Title: SERIES 770 ALUM. SGD-WINDOW - LMI			
Series/Model: SGD-770 WINDOW	Scale: NTS	Sheet: 11 of 22	Drawing No. PGT0129

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Florida Building Code
Date: FEB 12 2015
NOA# 14-0320-03
Miami Dade Product Control
By: Manuel Perez

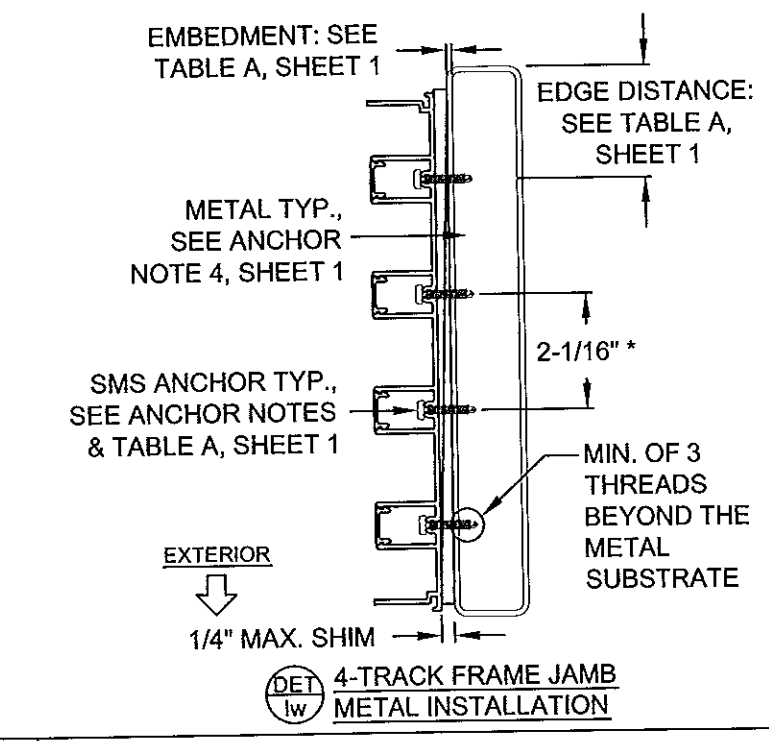
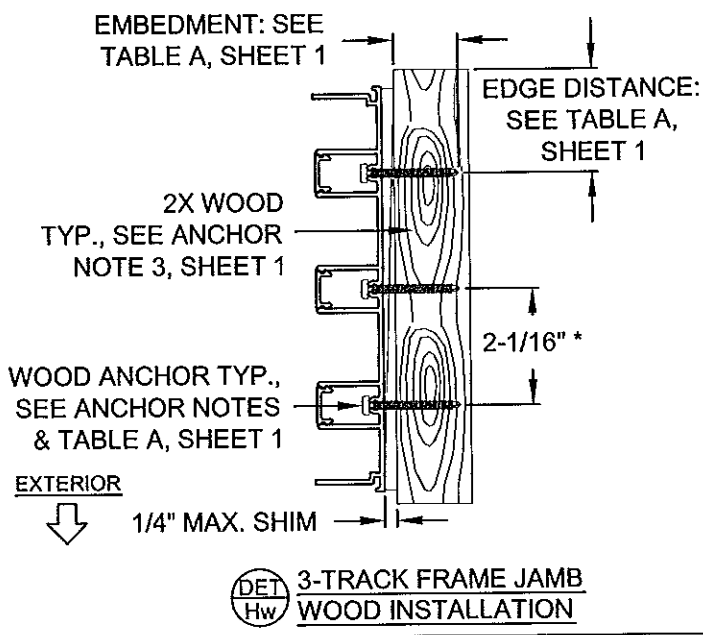
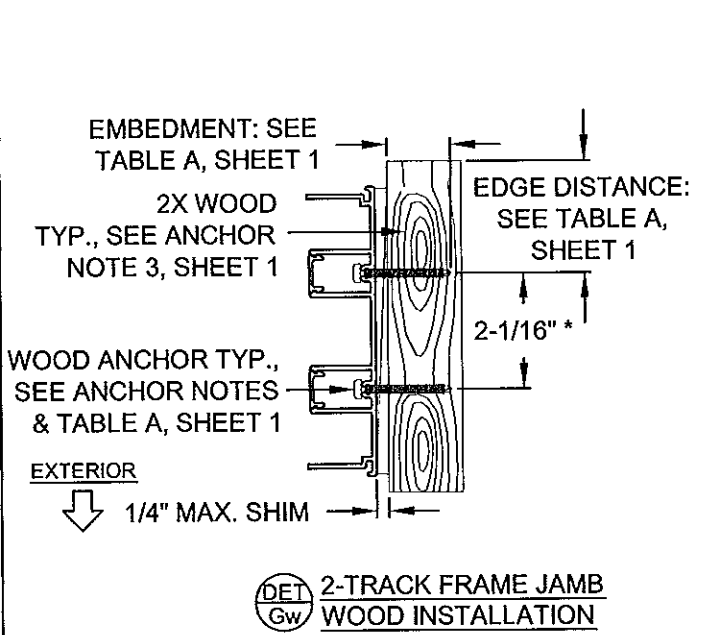
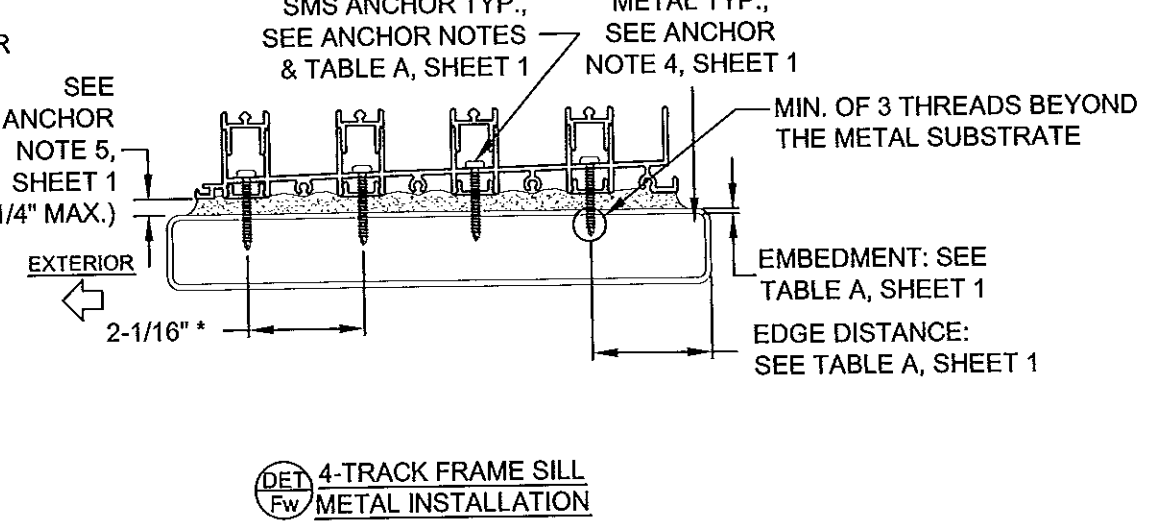
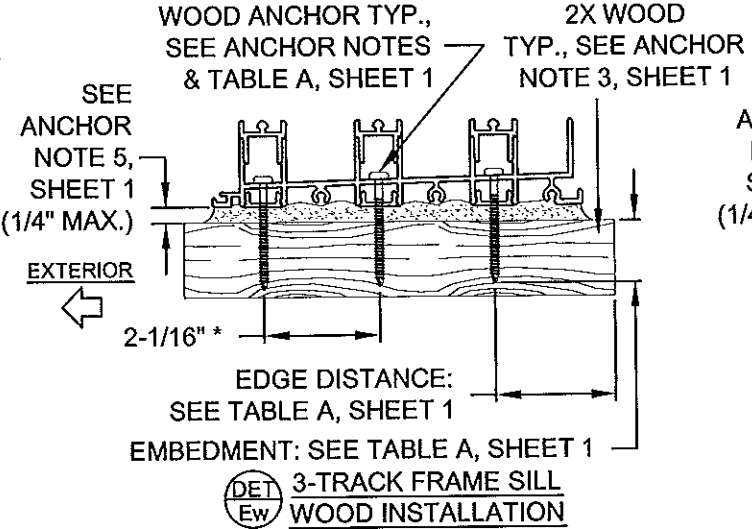
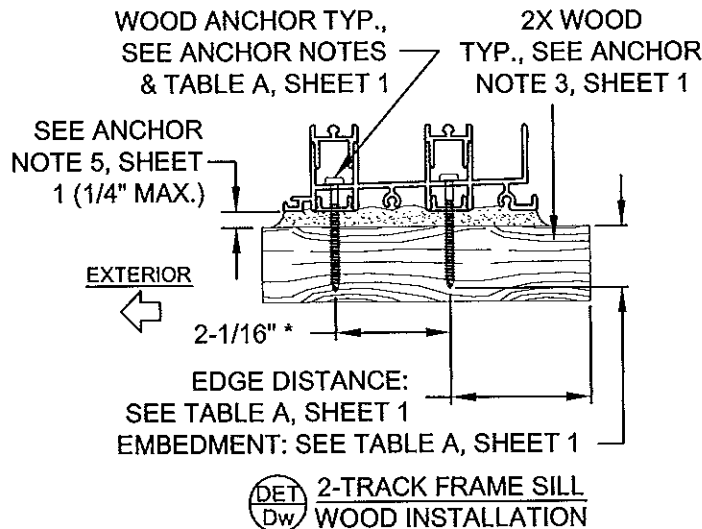


INSTALLATION DETAILS



NOTES:
1. ALL DIMENSIONS
SHOWN ARE BASED
ON MIN. ALLOWED.
2. METAL OR WOOD
SUBSTRATES MAY BE
USED FOR ALL FRAME
TYPES PER TABLE A,
SHEET 1.

* DIAGONAL O.C. IS
MIN 4" (HEAD & SILL)
OR 6" (JAMB) SEE
DETAILS, SHEETS 10 & 11.



Revsd By:	Date:	Revisions:
Revsd By:	Date:	Revisions:
Revsd By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	02/20/14	

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
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CERT. OF AUTH. #29296

Description: ANCHORAGE DETAILS			
Title: SERIES 770 ALUM. SGD-WINDOW - LMI			
Series/Model: SGD-770 WINDOW	Scale: NTS	Sheet: 12 of 22	Drawing No. PGT0129
Rev:			

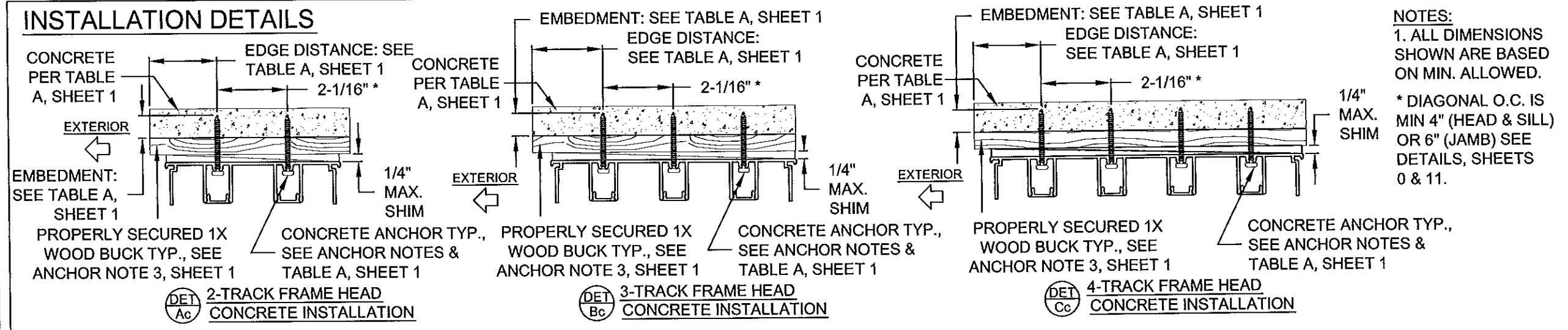
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Florida Building Code
Date: FEB. 12, 2015
NOAH 14-0320-03
Miami Dade Product Control

By: *Marcus Perry*

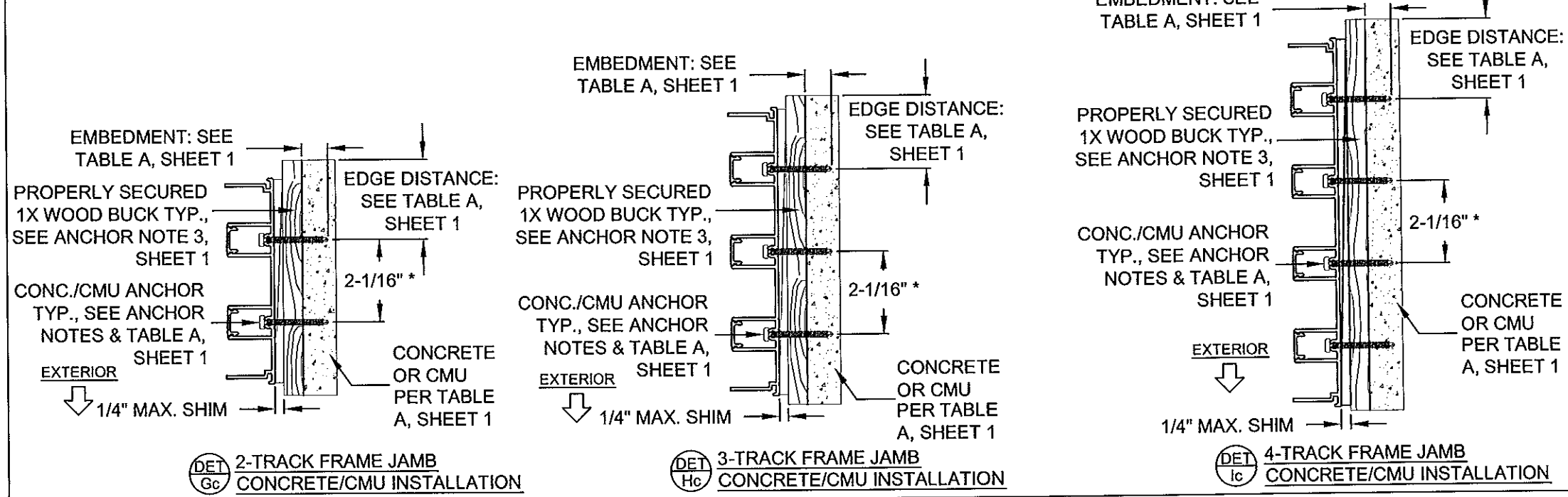
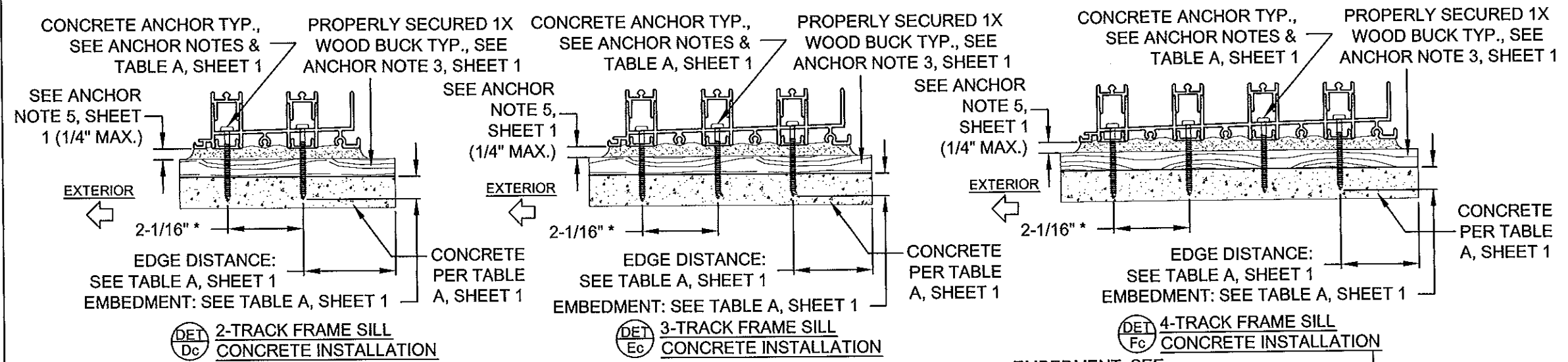
ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

INSTALLATION DETAILS



NOTES:
1. ALL DIMENSIONS SHOWN ARE BASED ON MIN. ALLOWED.
* DIAGONAL O.C. IS MIN 4" (HEAD & SILL) OR 6" (JAMB) SEE DETAILS, SHEETS 0 & 11.

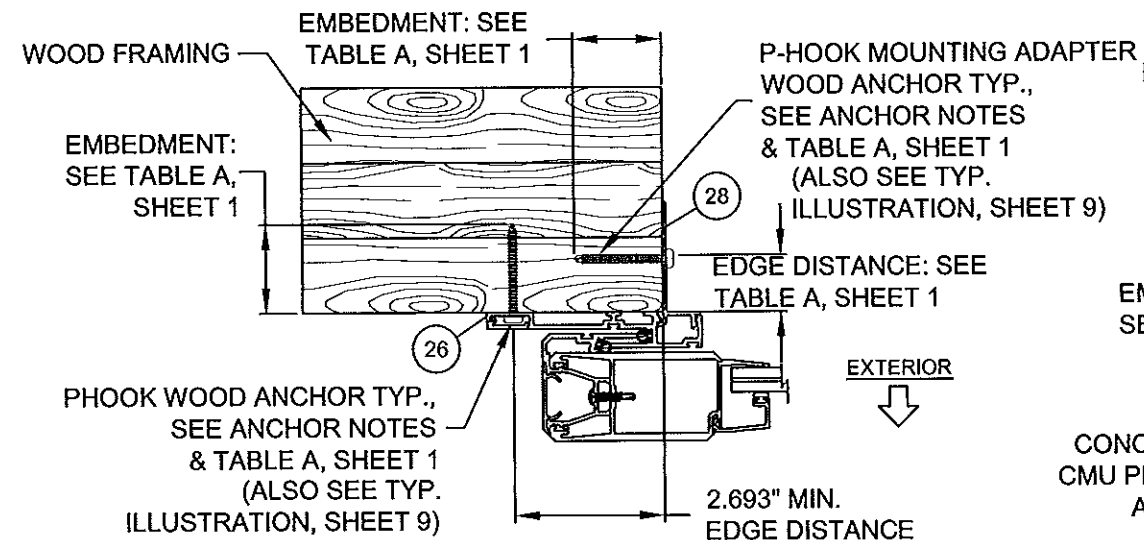


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Date: FEB. 12, 2015
NOA# 14-0320-03
Miami Dade Product Control

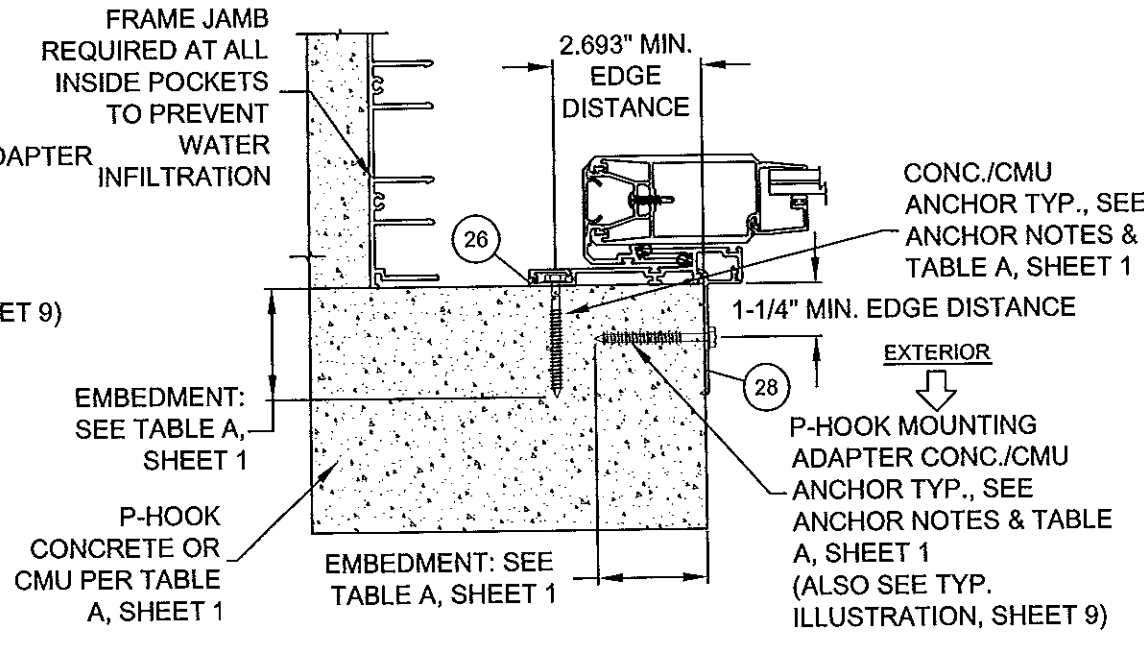
By: *Anthony Lynn Miller*
ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

Revised By:	Date:	Revisions:	1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941)-480-1600 CERT. OF AUTH. #29296		Description: ANCHORAGE DETAILS Title: SERIES 770 ALUM. SGD-WINDOW - LMI Series/Model: SGD-770 WINDOW Scale: NTS Sheet: 13 of 22 Drawing No. PGT0129 Rev:			
Revised By:	Date:	Revisions:						
Revised By:	Date:	Revisions:						
Drawn By: JR	Date: 02/20/14	Checked By:			Date:			

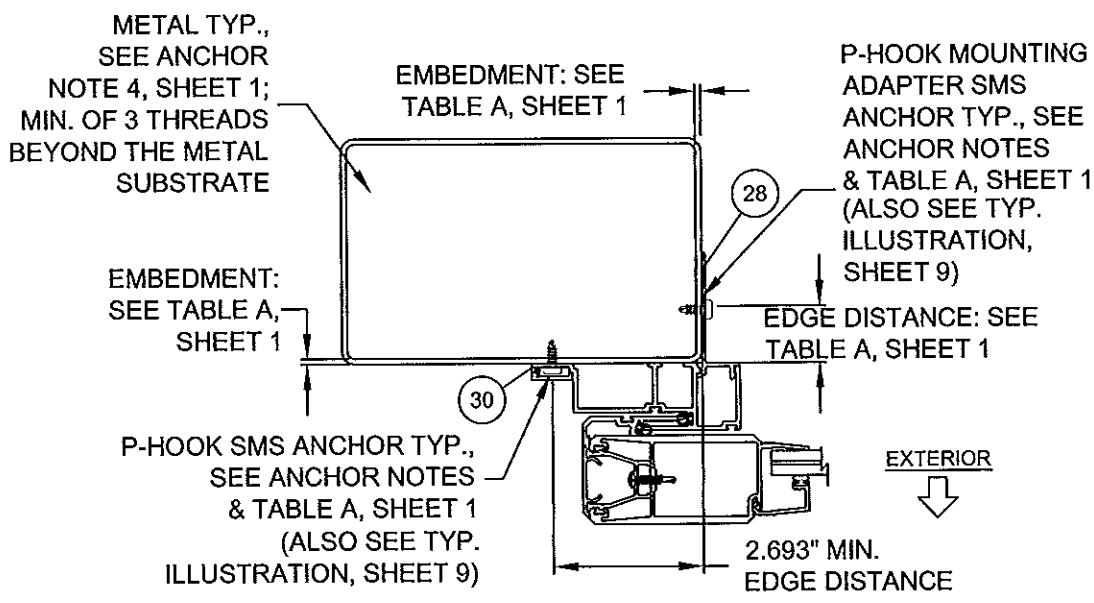
INSTALLATION DETAILS



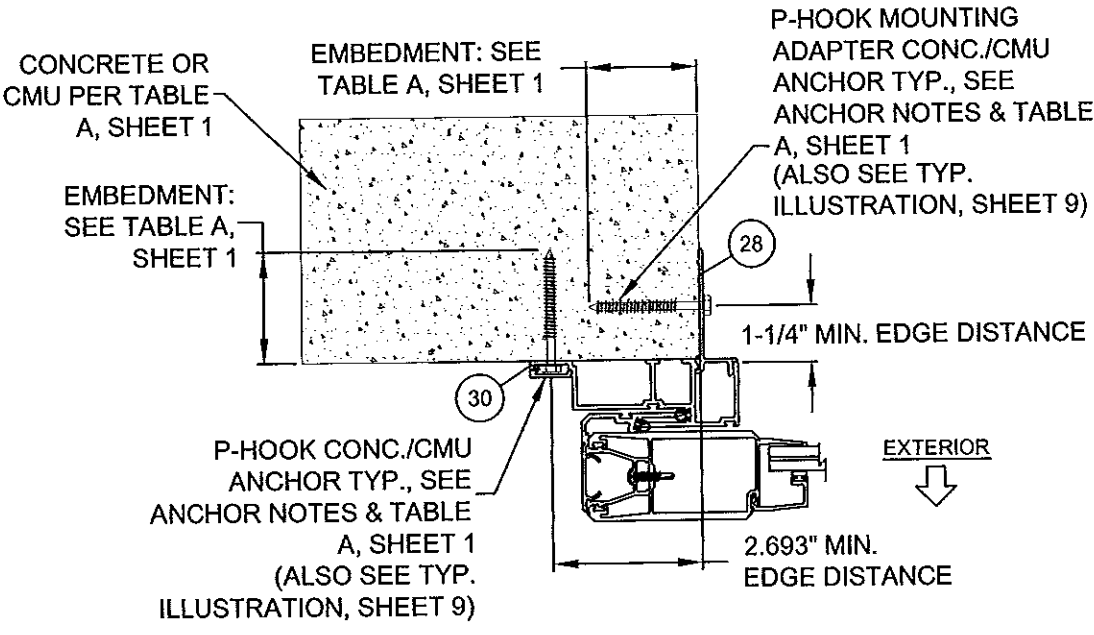
DET Jw P-HOOK FOR USE WITH FLAT SILL RISERS PARTS #18, #20, #22 OR #24, WOOD INSTALLATION (SEE TABLES 1A, 2A & 3A FOR WATER RATINGS) EXTERIOR MOUNT SHOWN, MAY ALSO BE INSTALLED IN INTERIOR CONDITION



DET Jc P-HOOK FOR USE WITH FLAT SILL RISERS PARTS #18, #20, #22 OR #24, CONCRETE/CMU INSTALLATION (SEE TABLES 1A, 2A & 3A FOR WATER RATINGS) INTERIOR MOUNT SHOWN, MAY ALSO BE INSTALLED IN EXTERIOR CONDITION



DET Kw P-HOOK FOR USE WITH BOX SILL RISERS PARTS #19, #21, #23 OR #25, METAL INSTALLATION (SEE TABLES 1A, 2A & 3A FOR WATER RATINGS) EXTERIOR MOUNT ONLY



DET Kc P-HOOK FOR USE WITH BOX SILL RISERS PARTS #19, #21, #23 OR #25, CONCRETE INSTALLATION (SEE TABLES 1A, 2A & 3A FOR WATER RATINGS) EXTERIOR MOUNT ONLY

- NOTES:
1. ALL DIMENSIONS SHOWN ARE BASED ON MIN. ALLOWED.
 2. FIGURES ON THIS SHEET ARE FOR ILLUSTRATIVE PURPOSES ONLY. SEE TABLE A, SHEET 1 FOR ALL APPROVED SUBSTRATES.
 3. SEE TABES 1-3, SHEETS 6-8 FOR REQUIRED P-HOOK AND P-HOOK MOUNTING ADAPTER ANCHOR QUANTITIES. ALSO SEE EXAMPLE ON SHEET 9.

Revsd By:	Date:	Revisions:	
Revsd By:	Date:	Revisions:	
Revsd By:	Date:	Revisions:	
Drawn By:	Date:	Checked By:	Date:
JR	02/20/14		

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

PGT

Description: ANCHORAGE DETAILS

TR: SERIES 770 ALUM. SGD-WINDOW - LMI

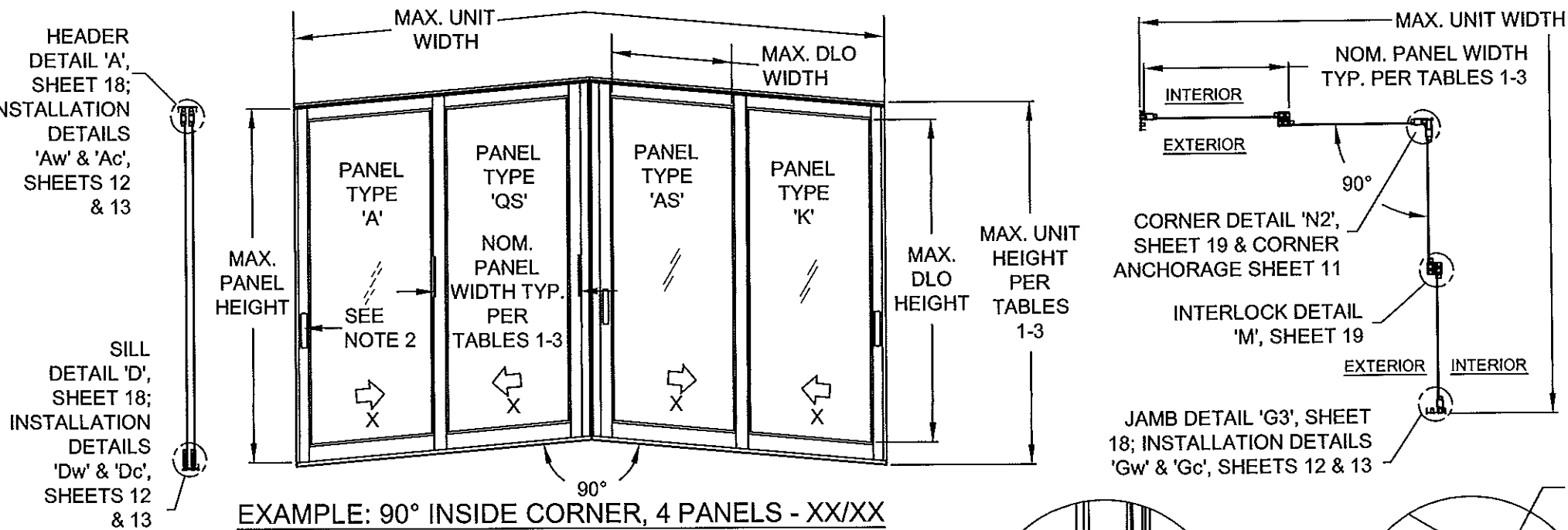
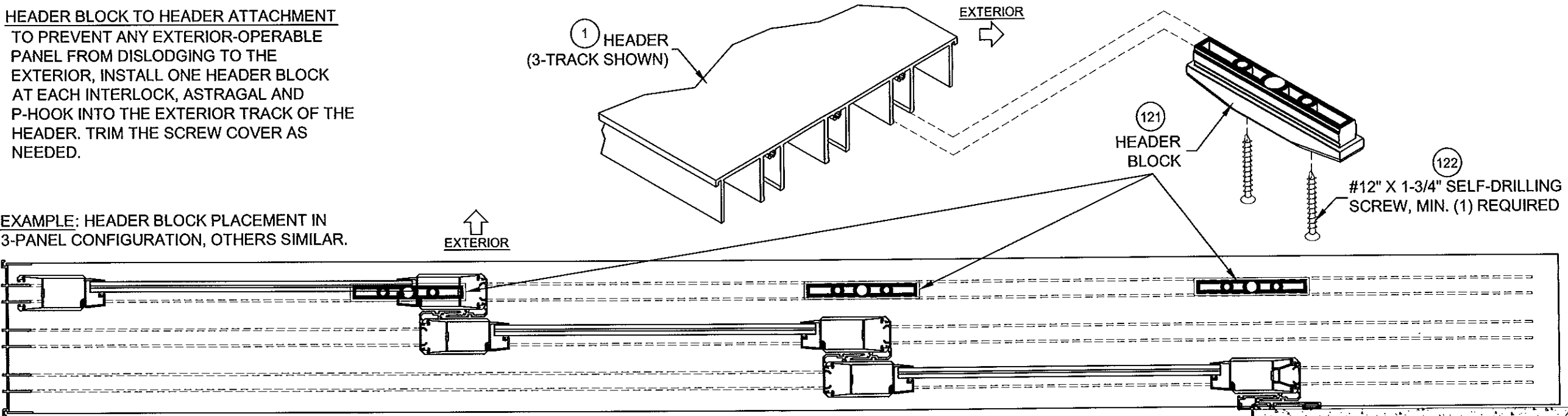
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SGD-770 WINDOW	NTS	14 of 22	PGT0129	

Approved as complying with the Florida Building Code
Date FEB 12, 2015
NOA# 14-0826-03
Miami Dade Product Control
By Manuel Ruiz

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

HEADER BLOCK TO HEADER ATTACHMENT
TO PREVENT ANY EXTERIOR-OPERABLE
PANEL FROM DISLODGING TO THE
EXTERIOR, INSTALL ONE HEADER BLOCK
AT EACH INTERLOCK, ASTRAGAL AND
P-HOOK INTO THE EXTERIOR TRACK OF THE
HEADER. TRIM THE SCREW COVER AS
NEEDED.

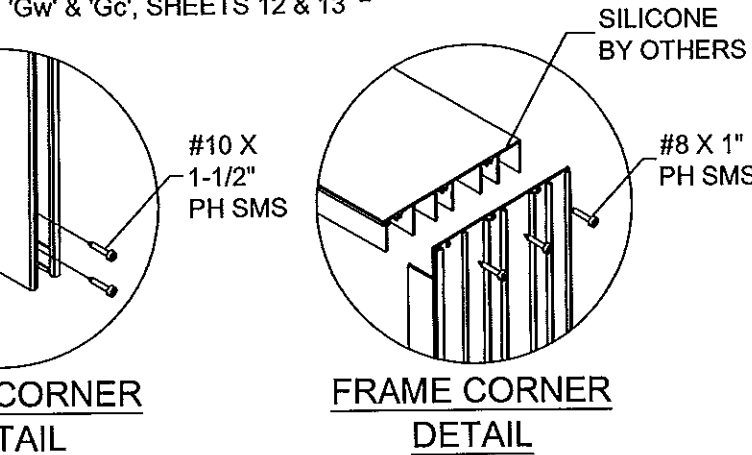
EXAMPLE: HEADER BLOCK PLACEMENT IN
3-PANEL CONFIGURATION, OTHERS SIMILAR.



NOTES:

- 1) SEE SHEET 17 FOR INDIVIDUAL PANEL CONFIGURATIONS AS APPLICABLE. SEE DP/ANCHOR TABLES, SHEETS 6-8 FOR MAX. PANEL HEIGHT AND WIDTH. SEE SHEETS 18 & 19 FOR SECTION DETAILS AND SHEETS 12-14 FOR INSTALLATION DETAILS.
- 2) (1) LOCK (ITEMS 75 & 107-110) AT EACH LOCKSTILE, LOCKING INTO KEEPER (ITEM 103) AT FRAME JAMB OR ASTRAGAL.
- 3) PLEASE SEE APPLICABLE ASTRAGAL & INTERLOCK COMBINATIONS PER DP/ANCHOR TABLES.

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



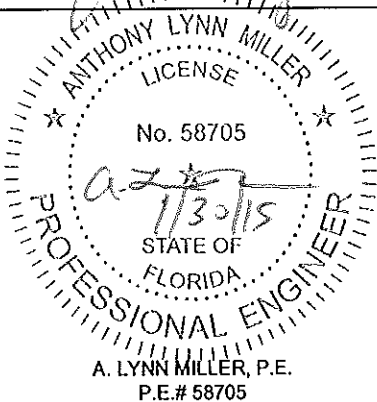
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600
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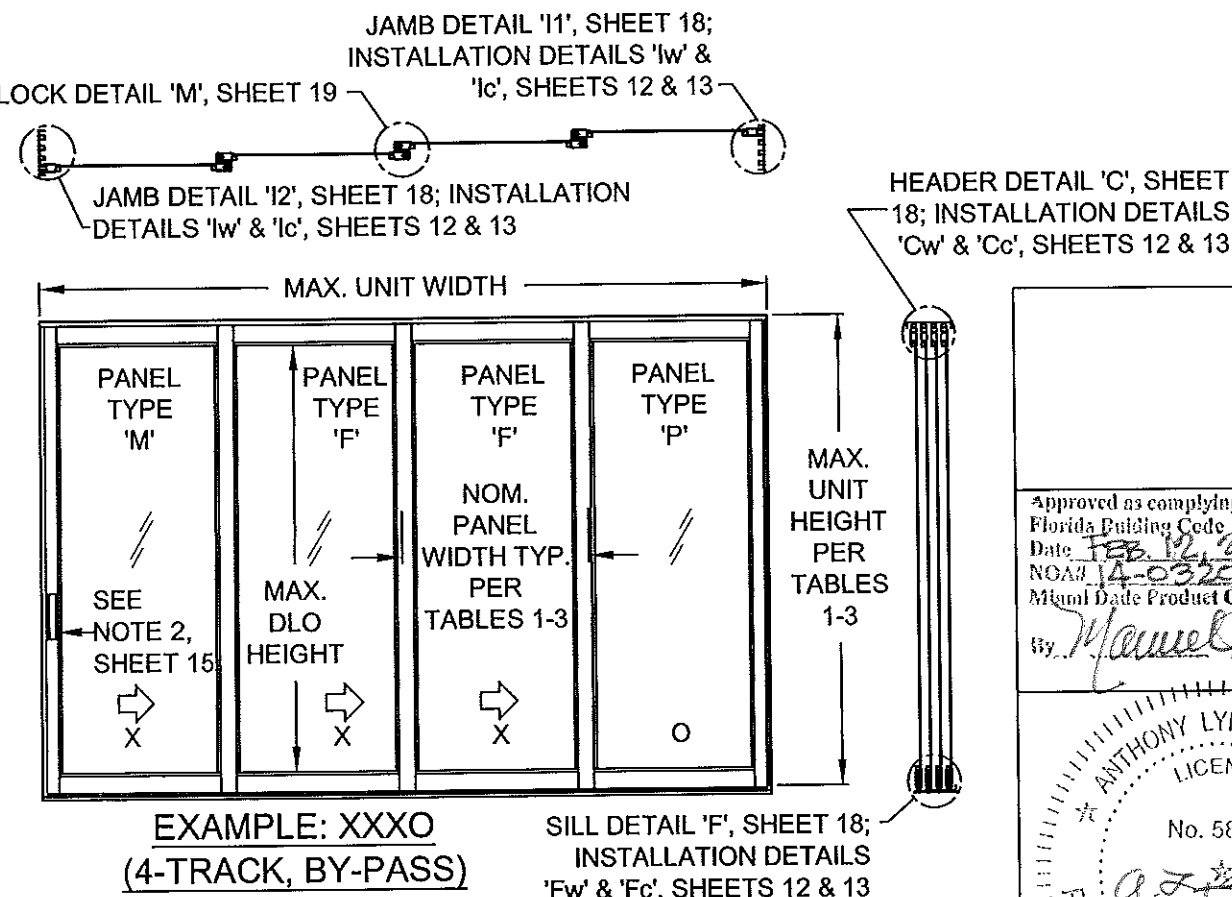
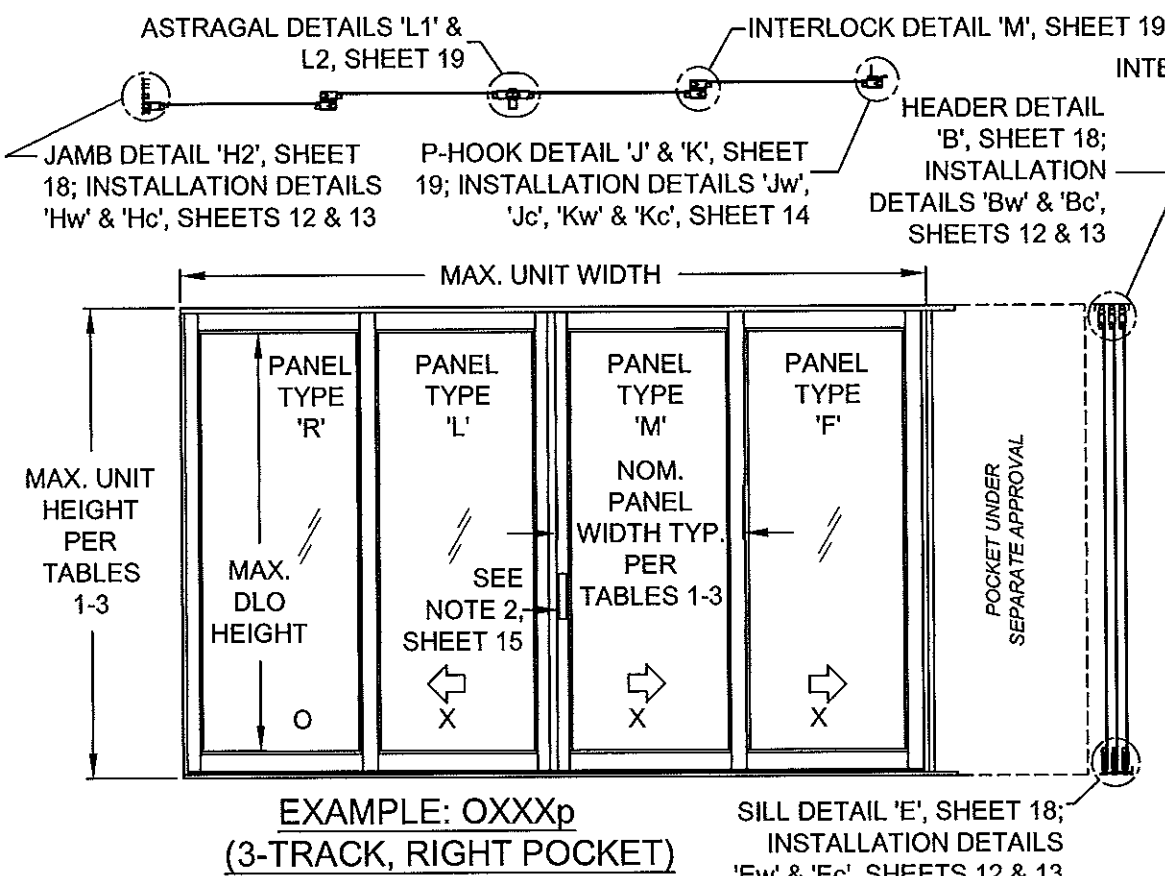
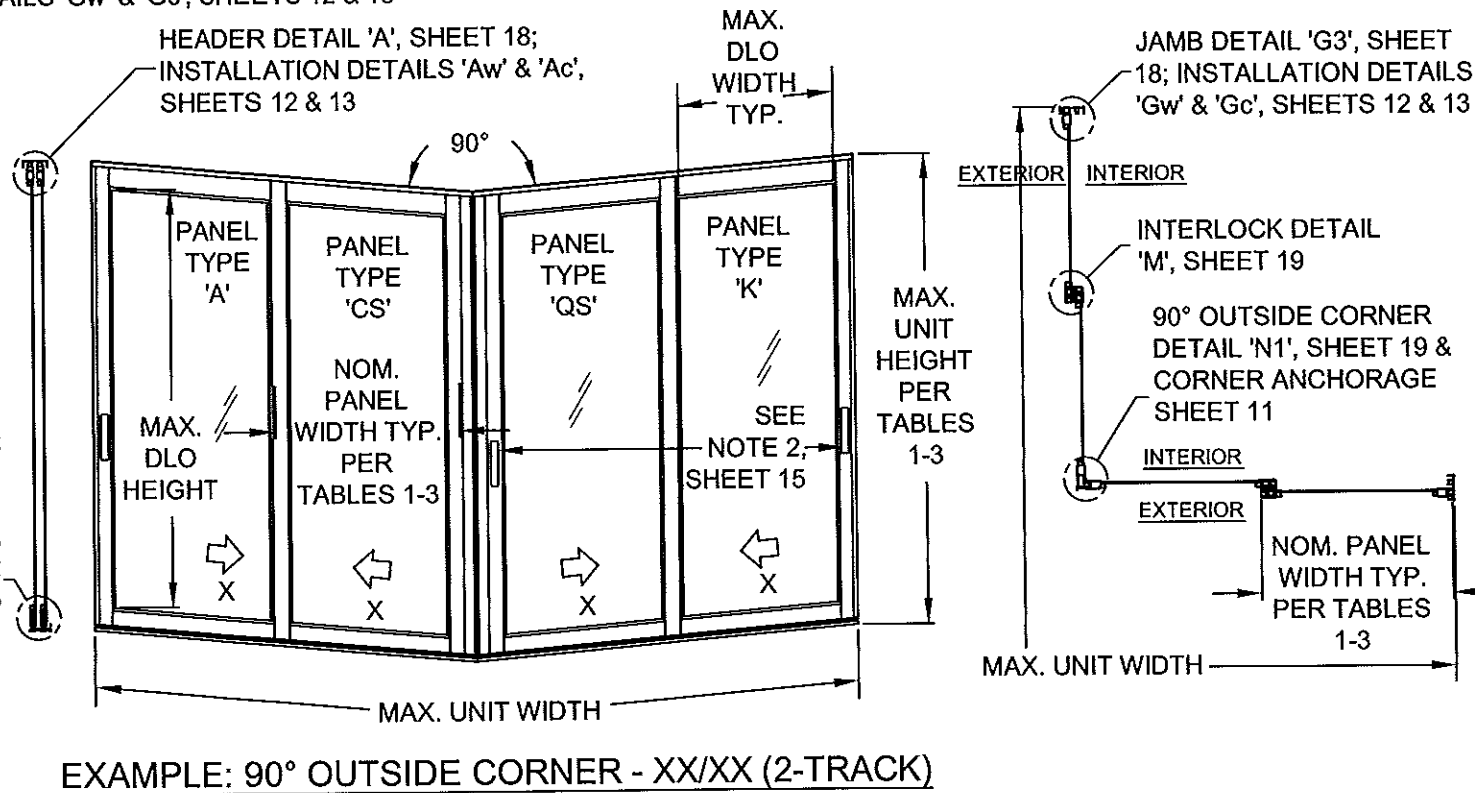
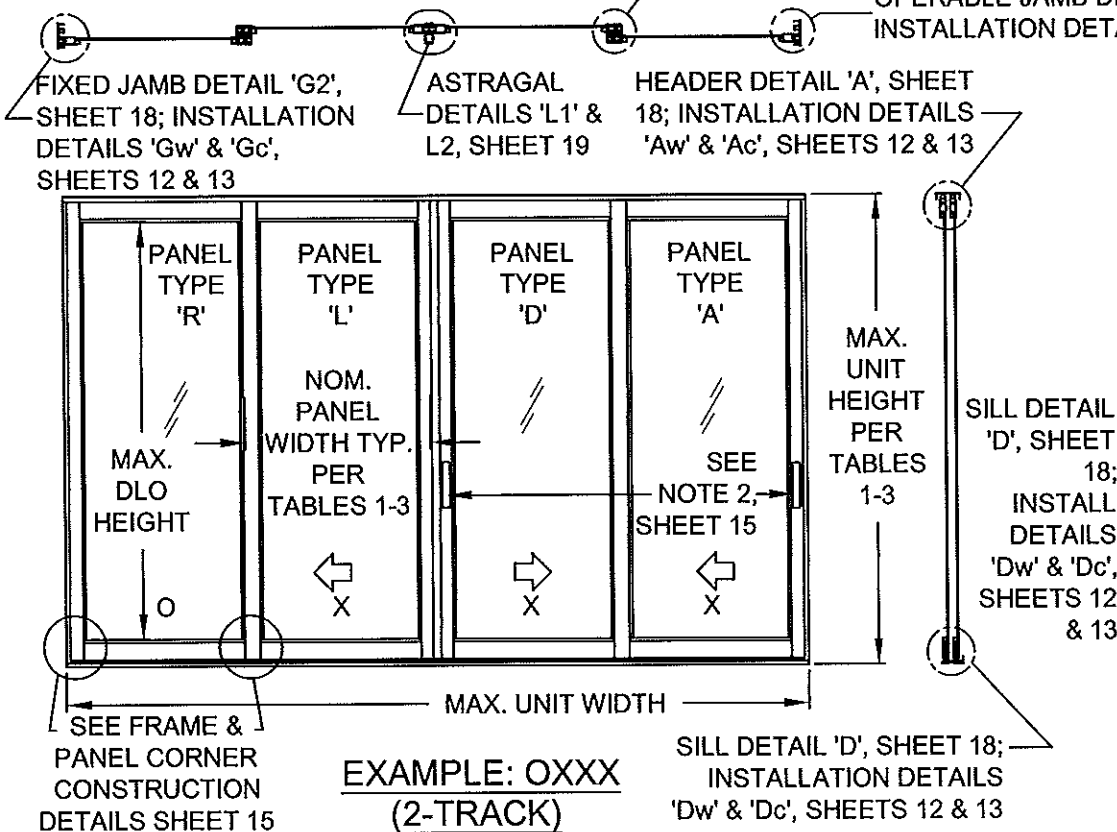
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Title:	SERIES 770 ALUM. SGD-WINDOW - LMI		
Series/Model:	Scale:	Sheet:	Drawing No.
SGD-770 WINDOW	NTS	15 of 22	PGT0129

Approved as complying with the
Florida Building Code,
Date: FEB. 12, 2015
NOAH 14-0320.03
Miami Dade Product Control
By: *Manuel Perez*



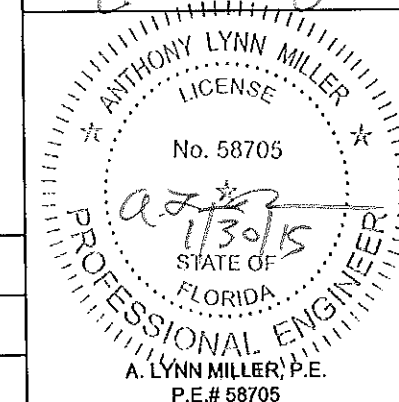
CONFIG. EXAMPLES

FOR ALL DETAILS ON THIS SHEET, SEE NOTES ON SHEET 15



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Date: FEB 12, 2015
NOAH 14-0325.03
Miami Dade Product Control

By: Manuel Diaz



Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	02/20/14	

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



Description:	EXAMPLE ELEVATIONS			
Title:	SERIES 770 ALUM. SGD-WINDOW - LMI			
Series/Model:	SGD-770 WINDOW	Scale:	NTS	Sheet:
				16 of 22
Drawing No.	PGT0129			

PANEL TYPES		PANEL'S RIGHT STILE TYPE														
		SINGLE INTERLOCK OUT	SINGLE INTERLOCK IN	FIXED STILE	LOCKSTILE W/ HANDLE	ASTRAGAL BOX OUT	ASTRAGAL BOX IN	ASTRAGAL BOX OUT W/ HANDLE	ASTRAGAL BOX IN W/ HANDLE	INT CORNER 90 LOCKSTILE W/ HANDLE #120	EXT CORNER 90 LOCKSTILE W/ HANDLE #119	EXT CORNER 90 RECEIVER W/ HANDLE #61 #118	INT CORNER 90 RECEIVER W/ HANDLE #61 #118	EXT CORNER 90 RECEIVER #118	EXT CORNER 135 RECEIVER W/ HANDLE #61 #31	INT CORNER 135 RECEIVER W/ HANDLE #61 #31
PANEL'S LEFT STILE TYPE	SINGLE INTERLOCK OUT		F	PP	K			L (BOX OUT)		TR	TQ	TC	TA		TV	TW
	SINGLE INTERLOCK IN	B	E	P	A			C (BOX OUT)	C (BOX IN)	IC	SQ	SC	SA		SV	SW
	FIXED STILE	RR	R			S (BOX OUT)	S (BOX IN)						FD	FC	FV	FW
	LOCKSTILE W/ HANDLE	D	M			J (BOX OUT)	J (BOX IN)									
	ASTRAGAL BOX OUT W/ HANDLE	LR (BOX OUT)														
	ASTRAGAL BOX IN W/ HANDLE		N (BOX IN)													
	ASTRAGAL BOX OUT															
	ASTRAGAL BOX IN															
	INT CORNER 90 LOCKSTILE W/ HANDLE #120	RT	CI													
	EXT CORNER 90 LOCKSTILE W/ HANDLE #119	QT	QS													
	EXT CORNER 90 RECEIVER W/ HANDLE #61 #118	CT	CS													
	INT CORNER 90 RECEIVER W/ HANDLE #61 #118	AT	AS	DF												
	EXT CORNER 90 RECEIVER #61 #118			CF												
	EXT CORNER 135 RECEIVER W/ HANDLE #61 #31	VT	VS	VF												
	INT CORNER 135 RECEIVER W/ HANDLE #61 #31	WT	WS	WF												

LEFT PANEL STILE

INTERIOR

EXTERIOR

RIGHT PANEL STILE

PANEL "E" SHOWN. SEE TABLE FOR OTHER PANEL TYPES AND APPLICABLE STILE/ASTRAGAL REQUIREMENTS.

SILL RISERS OPTIONS

18 SILL RISER, FLAT * FLUSH, 1-1/2"

20 SILL RISER, FLAT LOW, 2-1/2"

22 SILL RISER, FLAT MEDIUM, 3-1/4"

24 SILL RISER, FLAT HIGH, 4"

PANEL NOTES:

1. SEE DP TABLES 1-3, SHEETS 6-8 FOR PANEL SIZES & DESIGN PRESSURE.

2. PANEL TYPES NOT SHOWN OR CROSSED OFF ARE NOT REQUIRED FOR ANY CONFIGURATIONS AND ARE NOT AVAILABLE.

3. 90° ASTRAGALS TO USE HEAVY-DUTY STILES (#61), CORNER RECEIVER (#118) AND EITHER EXTERIOR (#119) OR INTERIOR (#120) CORNER ASTRAGALS.

4. 135° ASTRAGALS TO USE HEAVY-DUTY STILES (#61) AND CORNER ADDON (#31).

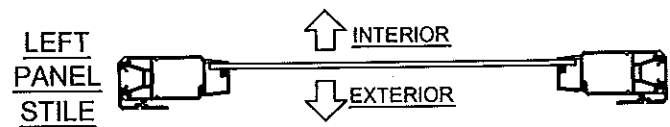
Approved as complying with the Florida Building Code

Date: FEB. 12, 2015

NOAH 14-0320-03

Miami Made Product Control

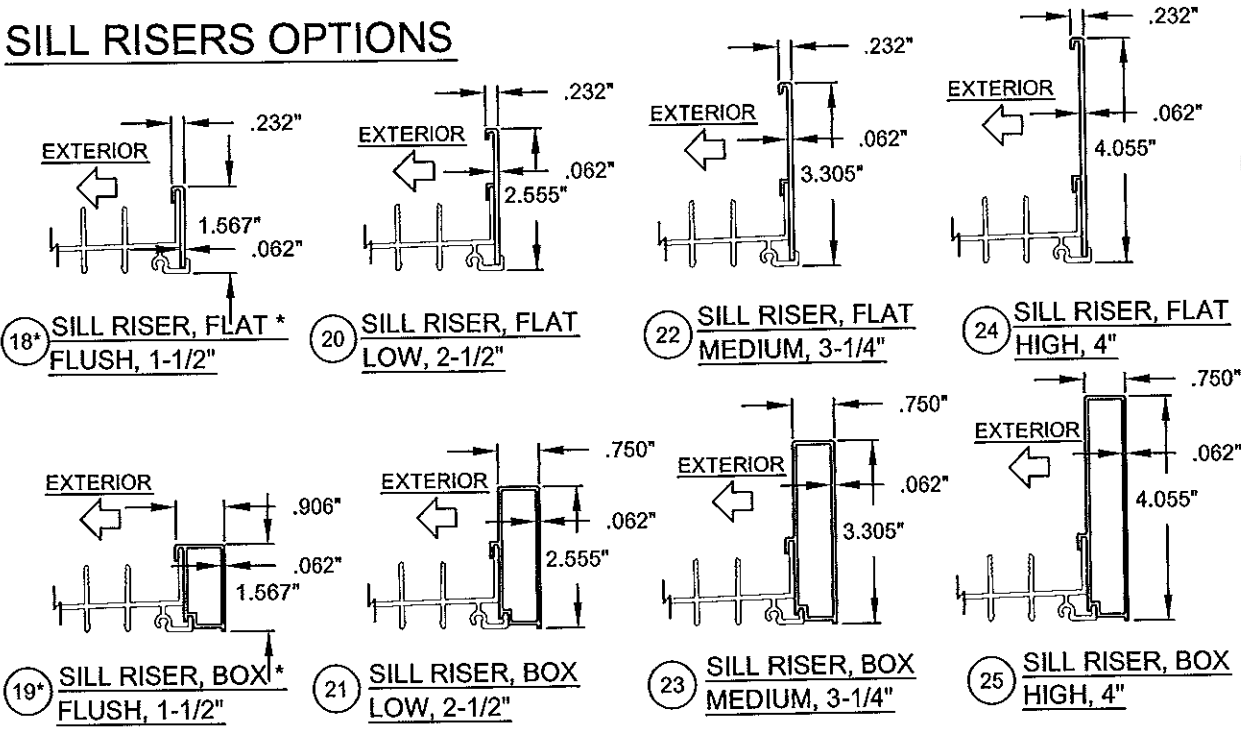
By: [Signature]



PANEL "E" SHOWN. SEE TABLE FOR OTHER PANEL TYPES AND APPLICABLE STILE/ASTRAGAL REQUIREMENTS.

- PANEL NOTES:**
- SEE DP TABLES 1-3, SHEETS 6-8 FOR PANEL SIZES & DESIGN PRESSURE.
 - PANEL TYPES NOT SHOWN OR CROSSED OFF ARE NOT REQUIRED FOR ANY CONFIGURATIONS AND ARE NOT AVAILABLE.
 - 90° ASTRAGALS TO USE HEAVY-DUTY STILES (#61), CORNER RECEIVER (#118) AND EITHER EXTERIOR (#119) OR INTERIOR (#120) CORNER ASTRAGALS.
 - 135° ASTRAGALS TO USE HEAVY-DUTY STILES (#61) AND CORNER ADDON (#31).

SILL RISERS OPTIONS



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

Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	02/20/14	

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

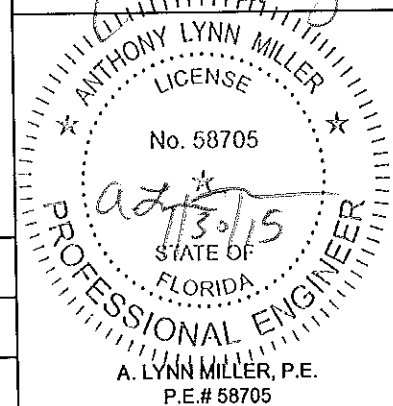


Description:		PANEL TYPES	
Title:		SERIES 770 ALUM. SGD-WINDOW - LMI	
Series/Model:	Scale:	Sheet:	Drawing No.
SGD-770 WINDOW	NTS	17 of 22	PGT0129
Rev:			

Approved as complying with the Florida Building Code
Date: FEB. 12, 2015
NOAH 14-0320-03
Miami Trade Product Control
By: *Manuel Perez*

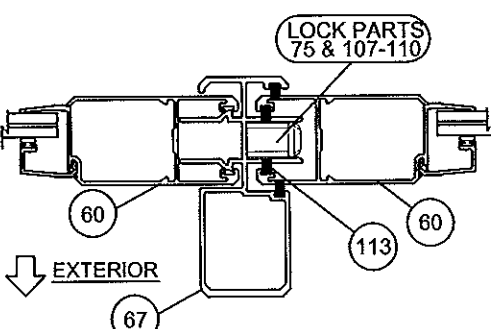
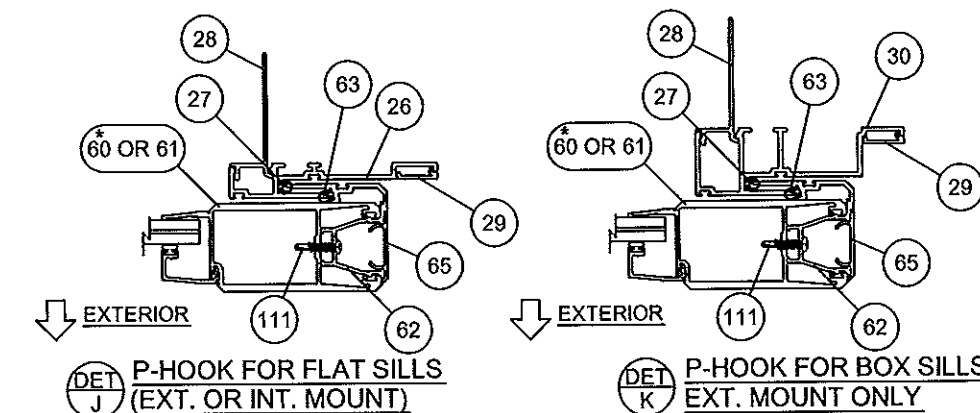
ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

(SEE SHEETS 12-14 FOR FOR INSTALLATION DETAILS)

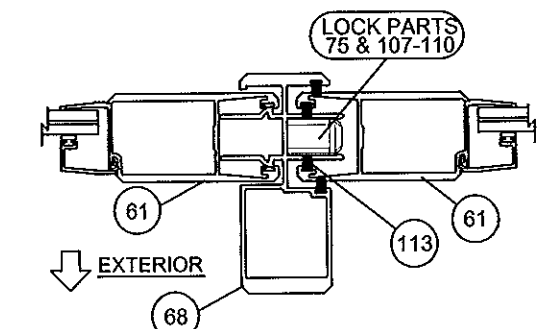
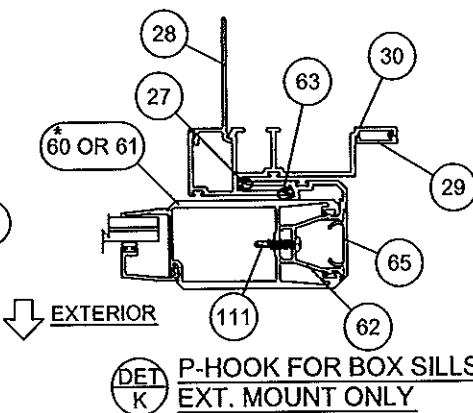


ASSEMBLY DETAILS

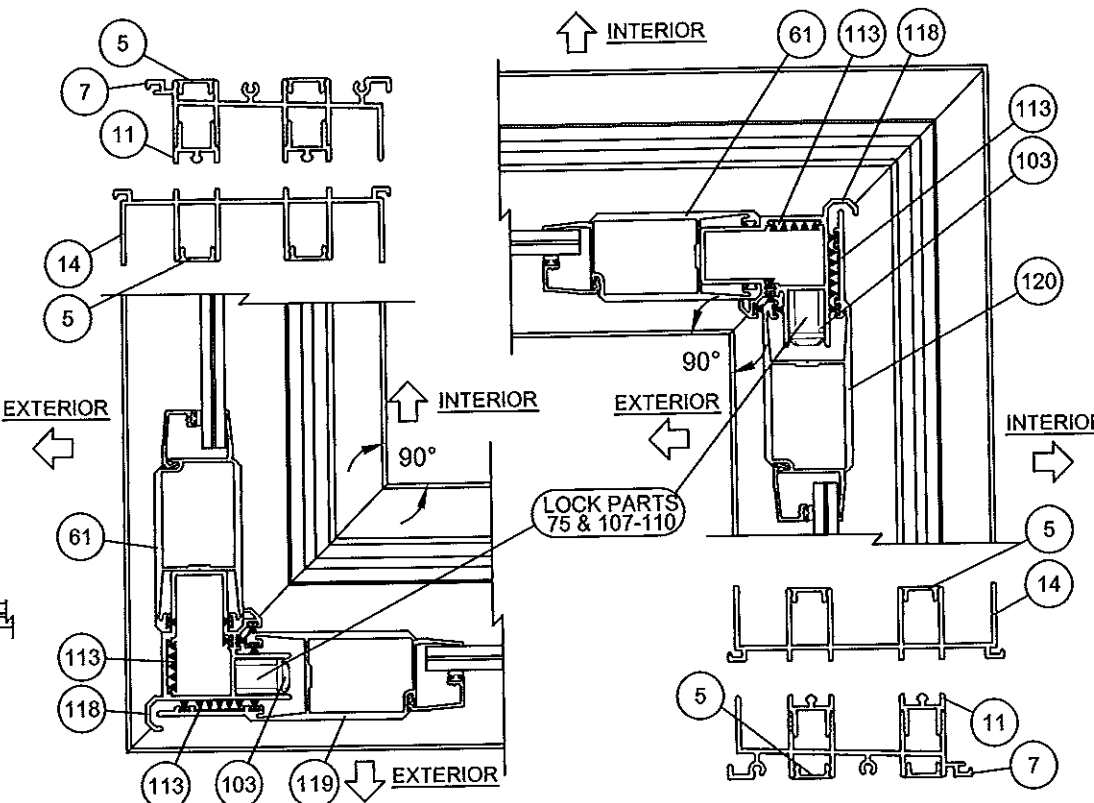
(SEE SHEETS 12-14 FOR FOR INSTALLATION DETAILS)



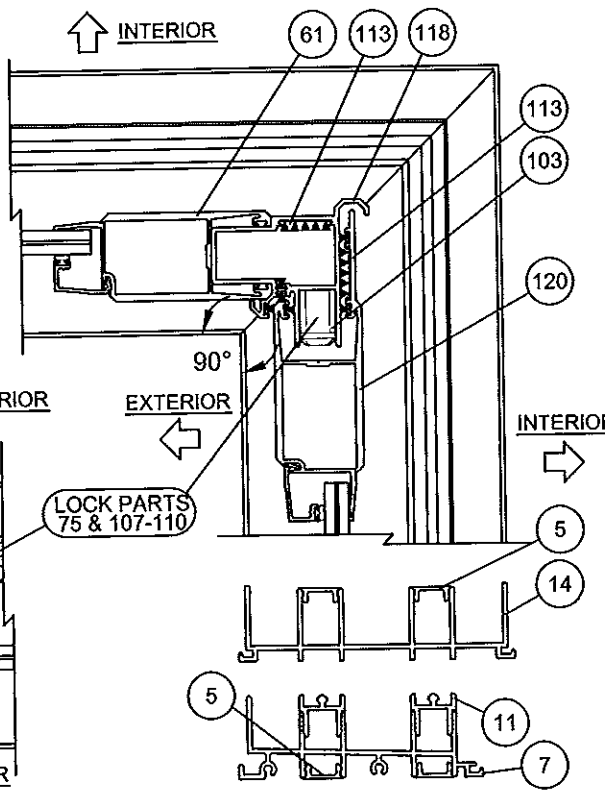
DET L1 STANDARD ASTRAGAL #67 WITH STANDARD STILES #60
EXTERIOR BOX ASTRAGAL SHOWN (BOX-OUT) MAY ALSO BE INSTALLED TOWARDS INTERIOR (BOX-IN)



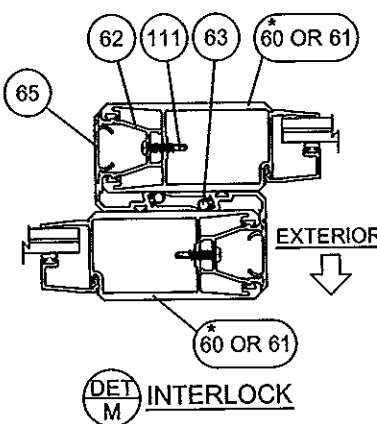
DET L2 HEAVY-DUTY ASTRAGAL #68 WITH HEAVY-DUTY STILES #61
EXTERIOR BOX ASTRAGAL SHOWN (BOX-OUT) MAY ALSO BE INSTALLED TOWARDS INTERIOR (BOX-IN)



DET N1 90° OUTSIDE CORNER 2-TRACK SHOWN

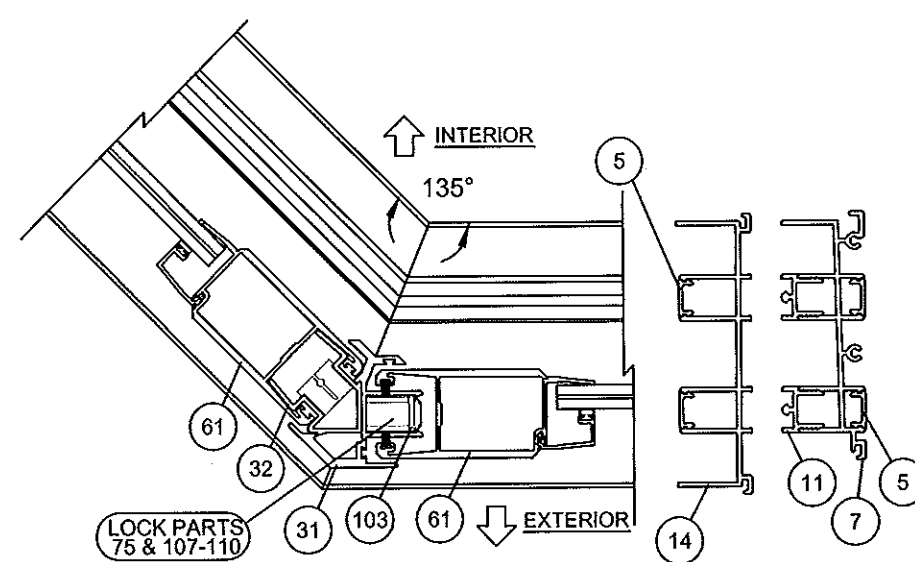


DET N2 90° INSIDE CORNER 2-TRACK SHOWN

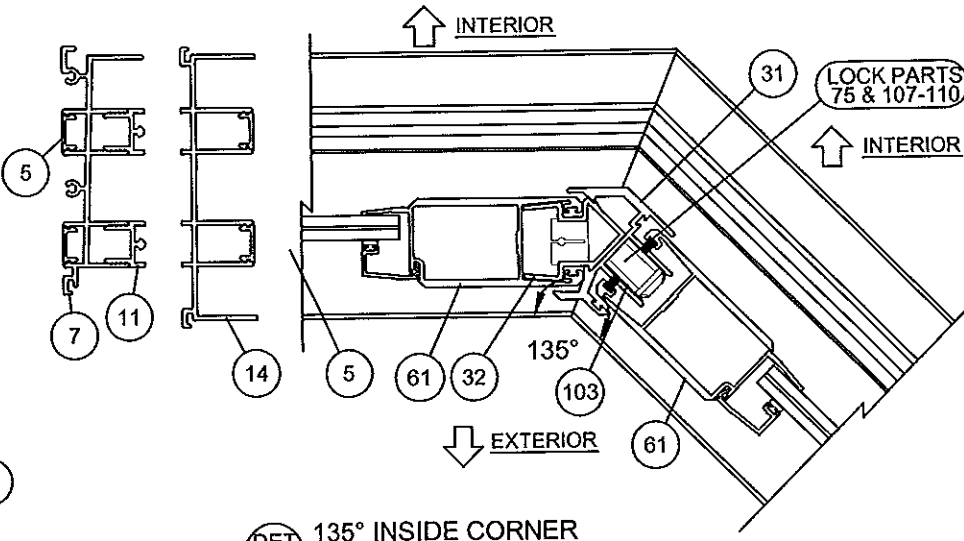


DET M INTERLOCK

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



DET O1 135° OUTSIDE CORNER 2-TRACK SHOWN



DET O2 135° INSIDE CORNER 2-TRACK SHOWN

Revsd By:	Date:	Revisions:
Revsd By:	Date:	Revisions:
Revsd By:	Date:	Revisions:
Revsd By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	02/20/14	

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



Description:	HORIZONTAL SECTION DETAILS, CORNERS			
Title:	SERIES 770 ALUM. SGD-WINDOW - LMI			
Series/Model:	Scale:	Sheet:	Drawing No.	Rev.
SGD-770 WINDOW	NTS	19 of 22	PGT0129	

Approved as complying with the
Florida Building Code
Date: FEB. 12, 2015
NOA# 14-0320-03
Miami Dade Product Control
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P.E.# 58705

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 - FLAT
19	17319	617319	SILL RISER - 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	17323	617323	SILL RISER - HIGH FLAT
25	17320	617320	SILL RISER - HIGH HOLLOW
26	17333	617333	POCKET P-HOOK
27	7070	67070	NEOPRENE BULB WSTP FOR P-HOOK
28	17334	617334	POCKET P-HOOK MOUNT
29	17335	617335	P-HOOK COVER
30	17348	617348	POCKET P-HOOK FOR BOX RISER
31	17378	617378	135 CORNER
32	17376	617376	135 FIXED MOUNT
ITEMS 40-53 ARE SCREEN PARTS:			
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" SETTING BLOCK
55	1726		1" X 4" X 1/16" SETTING BLOCK

NOTES:

- 1) ALL ALUMINUM = 6063-T6
2) ITEMS # 33-39, 57-59, 66, 78 & 84-99 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.

Item	PGT Dwg. #	PGT #	Description
56			QUANEX/TRUSEAL DURASEAL SPACER (COMPOSITE SEALANT/DESSICANT)
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 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-899, DOW-995 OR GE-7700
75	8185	78185X	GEMINI MORTICE 3-PLY DUAL LOCK W/LONG TRIM PLATE
76		71032X1FPFX	#10-32 X 1" FL. SS SCREW W/ TYPE "F" TIP
77		7103239	10-32 STEEL ZINC U-NUT
79	17357	617357	1" IG BEAD
80	17359	617359	7/16" BEAD / FIXED PANEL CLIP
81	17360	617360	9/16" BEAD
82	1224	6TP247K	VINYL BULB WEATHERSTRIP
83	61745	1745	LOWE INC, 1/2" X 1/16" SGL. SIDE ADH. TAPE, POLYETH.
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	FIXED PANEL RETAINER - 9/16"
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	#10 X 1-1/2"
115		710XPPT	#10 X 1"
116		720X1X	#14-20 X 1" S.S.
117		720X112X	#14-20 X 1-1/2" S.S.
118	17336	617336	90 DEGREE CORNER RECEIVER
119	17337	617337	90 DEGREE OUTSIDE CORNER ASTRAGAL
120	17338	6117338	90 DEGREE INSIDE CORNER ASTRAGAL
121	19042	419042	HEADER BLOCK
122		712175FPTX	HEADER BLOCK SCREW, #12 X 1-3/4" PH. PH. TEK - S.S.
123	17352	617352	FIXED PANEL RETAINER, 7/8"

Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Drawn By:	Date:	Checked By:	Date:
JR	02/20/14		

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275

(941)-480-1600

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Description:

PARTS LIST

Title:

SERIES 770 ALUM. SGD-WINDOW - LMI

Series/Model:

SGD-770 WINDOW

Scale:

NTS

Sheet:

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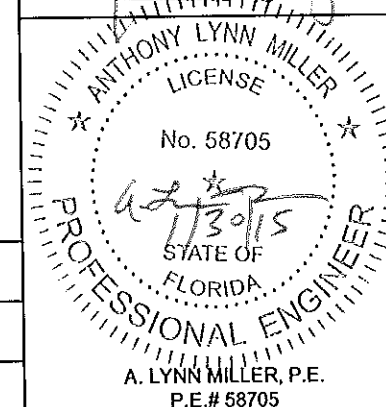
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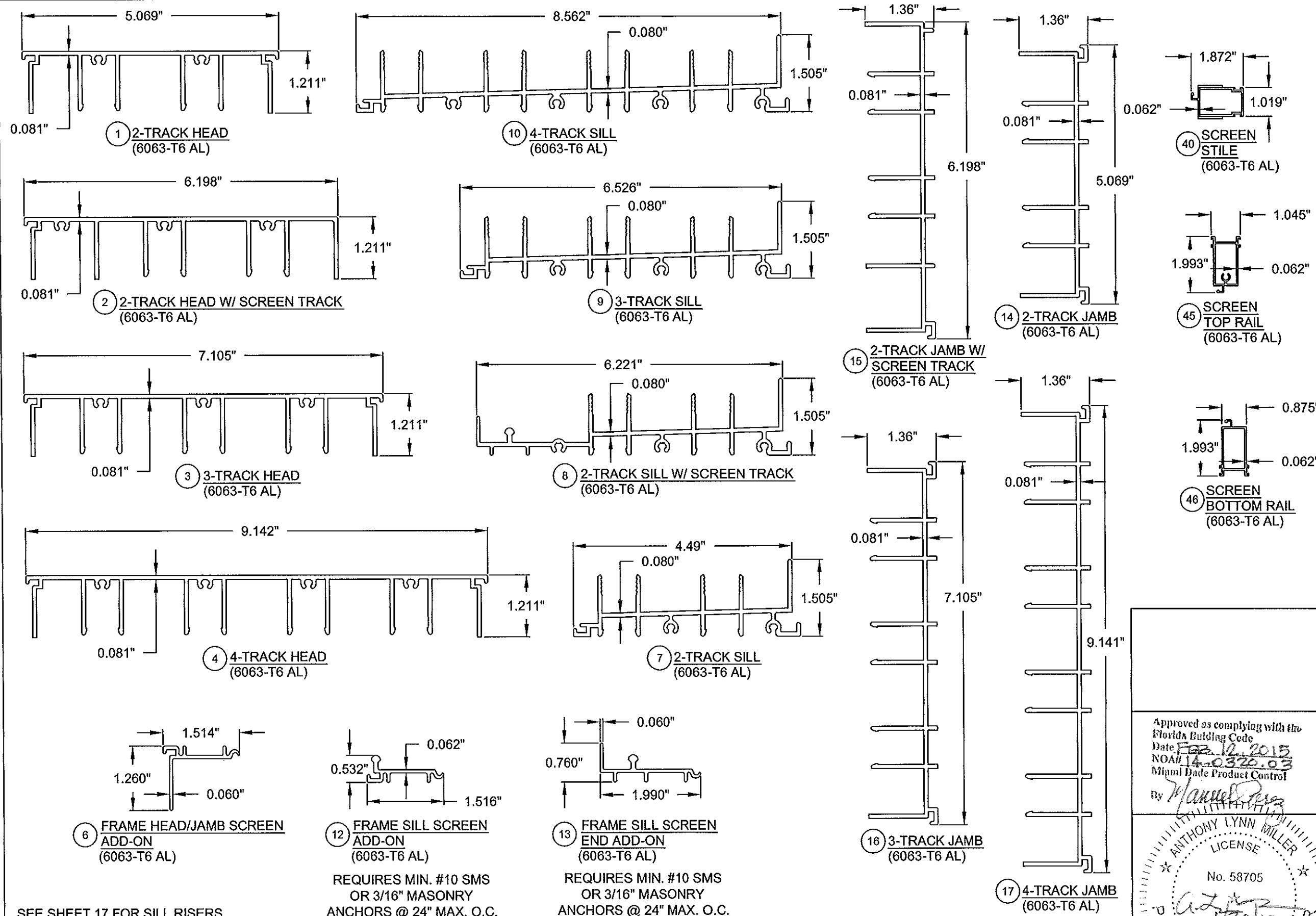
PGT0129

Rev:

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Miami Dade Product Control

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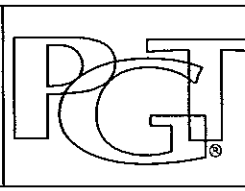
SEE SHEET 17 FOR SILL RISERS.

REQUIRES MIN. #10 SMS OR 3/16" MASONRY ANCHORS @ 24" MAX. O.C.

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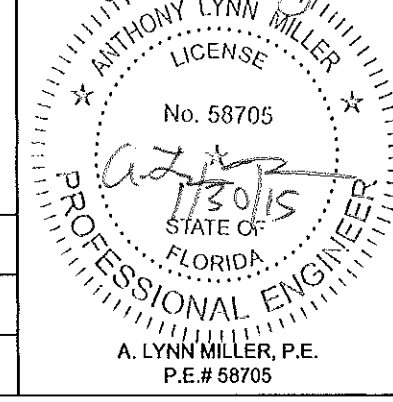
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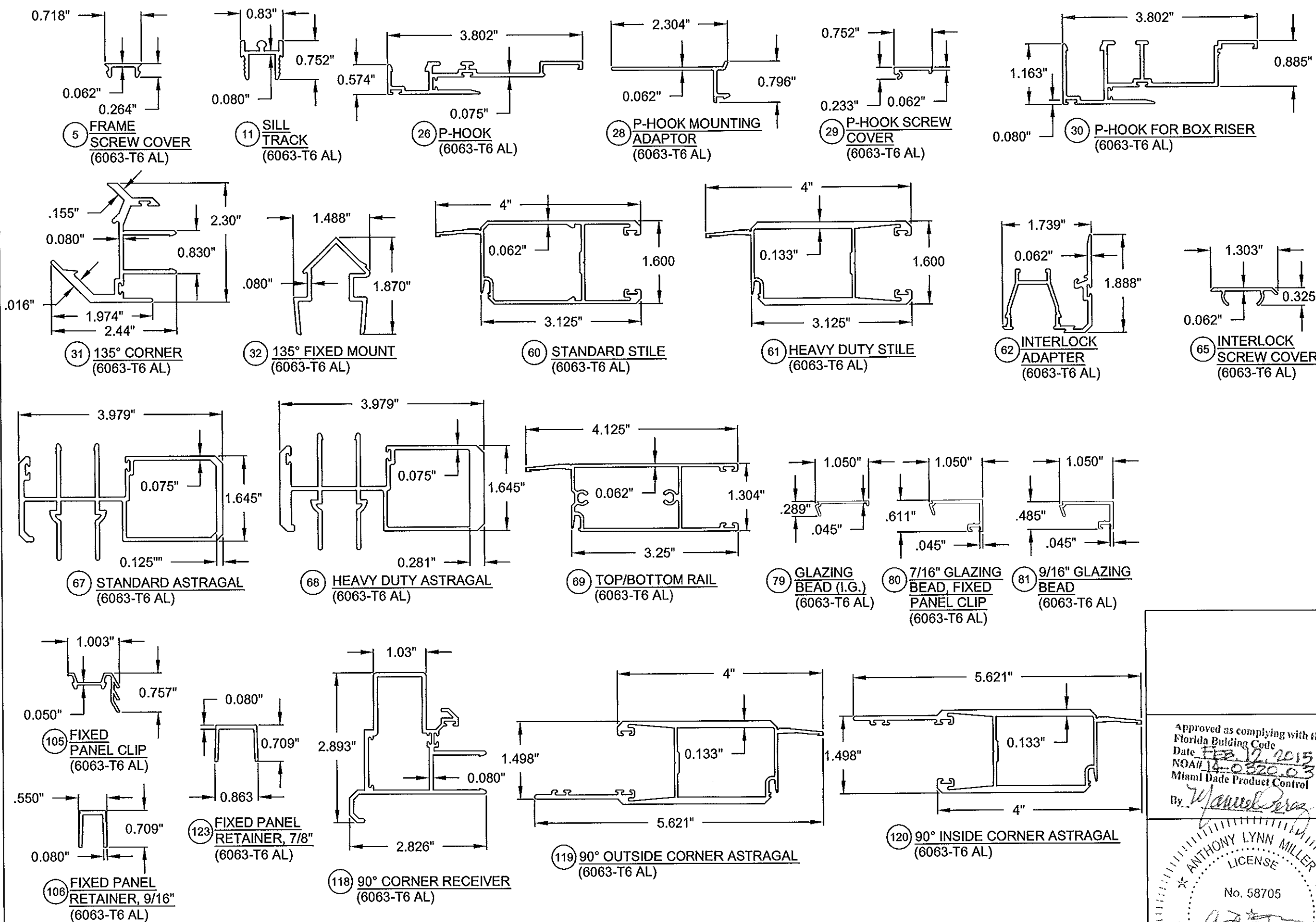
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Description:	EXTRUSIONS		
Title:	SERIES 770 ALUM. SGD-WINDOW - LMI		
Series/Model:	Scale:	Sheet:	Drawing No.
SGD-770 WINDOW	NTS	21 of 22	PGT0129

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Date: Feb 12, 2015
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By: *Manuel Perez*





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Title:
SERIES 770 ALUM. SGD-WINDOW - LMI
Series/Model:
SGD-770 WINDOW
Scale:
NTS
Sheet:
22 of 22
Drawing No.
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