



MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
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www.miamidade.gov/economy

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

PGT Industries
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 PERA -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. PERA 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-770HP" Aluminum Sliding Glass Doors w / Reinforcements-SMI

APPROVAL DOCUMENT: Drawing No.PGT0005 Rev D, titled "Series 770 H.P. Aluminum SGD-SMI", sheets 1 through 10 of 10, prepared by manufacturer, dated 08/05/07 and last revised on 02/13/14, signed and sealed by Lynn Miller, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

Limitations:

1. See tables 1& 1A in sheet 4 of this approved drawing set for applicable SGD unit sizes, design pressures, reinforcements, glass types, sill riser and anchors requirements. See approved configurations in sheet 2.
2. Applicable operable door Egress min clear width & height requirements must comply per FBC, to be reviewed by Building official.
3. See glazing options G9, G9A, G10 and G10A in sheet 1, 3 & 4.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", 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 # 11-1018.15 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

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



NOA No. 13-1009.06
Expiration Date: March 24, 2015
Approval Date: February 28, 2014
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under files # 11-1018.15/#09-0826.11).
2. Drawing No. **PGT0005 Rev D**, titled "Series 770 H.P. Aluminum SGD-SMP", sheets 1 through 10 of 10, prepared by manufacturer, dated 08/05/07 and last revised on 02/13/14, signed and sealed by Lynn Miller, P.E.

B. TESTS (transferred from file # 09-0826.11)

1. Test report on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94.
4) Small 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 (b) and TAS 202-94

Along with marked-up drawings and installation diagram of Aluminum Sliding Glass Doors (Samples A-3, A-4, B-3, B-4 and C-2), prepared by Fenestration Testing Laboratory, Inc., Test Report No **FTL-7468**, dated 09/13/2013, all signed and sealed by Martin D. Brinson, P.E.

Note: This test report has addendum letter dated Jan 13, 2014, issued by Fenestration Testing Lab.

2. Test report on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94.
4) Small 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 (b) and TAS 202-94

Along with marked-up drawings and installation diagram of Aluminum Sliding Glass Doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No **FTL-6019** and **FTL-6020**, both dated 08/10/09, all signed and sealed by Julio Gonzales, P.E. (Submitted under files # 11-1018.15/#09-0826.11). Note: The test reports No. **FTL 6019** have been revised and reissued on 12/29/09, signed and sealed by Julio Gonzales, P.E.

3. Additional reference supporting test reports # **FTL 5254** and **ATI72138.01-401-18**.

C. CALCULATIONS

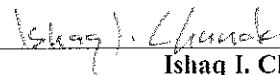
1. Anchor verification and comparative analysis dated 01/24/14 and last revised on 02/13/14, sheets 1 thru 45, prepared by PGT, signed and sealed by Lynn Miller, P. E.
2. Glazing complies with ASTM E-1300-02 &-04

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0624.01** issued to "E.I. DuPont Denemours" for "DuPont Butacite @ PVB", expiring on 12/11/16.



Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 13-1009.06

Expiration Date: March 24, 2015
Approval Date: February 28, 2014

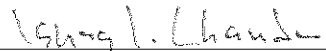
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter dated OCT 04, 2013 of compliance to FBC 2010 and "No financial interest", prepared by PGT, signed & sealed by Lynn Miller, P.E.
2. Letter of lab compliance, part of the above test reports.

G. OTHER

1. This NOA **revises # 11-1018.15**, expiring March 24, 2015.
2. Test proposal dated 6/4/13 approved by Jaime Gascon, P.E.
3. Test proposals No(s) **09-0177, 0177-A, B & C** approved by BCCO.
4. Letter of commitment dated February 20, 2014, issued by PGT, signed by A. Lynn Miller, P.E.



Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 13-1009.06

Expiration Date: March 24, 2015
Approval Date: February 28, 2014

GENERAL NOTES: SERIES 770 H.P. SMI SLIDING GLASS DOOR WITH REINFORCEMENT

DESIGN PRESSURE RATING	IMPACT RATING
SEE TABLES 1 & 1A ON SHEET 4	RATED FOR SMALL MISSILE IMPACT RESISTANCE

- 1) GLAZING TYPE OPTIONS: (GLASS RECIPES ARE FROM EXTERIOR TO INTERIOR)
GLASS STRENGTHS: T = TEMPERED
INTERLAYER TYPES: PVB = .090" DUPONT BUTACITE PVB
G9 - 1" LAMINATED INSULATING GLASS: 3/16" T EXT. CAP + 3/8" AIR SPACE + 7/16" LAMINATED: (2) LITES OF 3/16" T GLASS WITH .090" PVB INTERLAYER.
G9A - 1" LAMINATED INSULATING GLASS: 1/4" T EXT. CAP + 5/16" AIR SPACE + 7/16" LAMINATED: (2) LITES OF 3/16" T GLASS WITH .090" PVB INTERLAYER.
G10 - 7/16" LAMINATED: (2) LITES OF 3/16" T WITH .090" PVB INTERLAYER.
G10A - 9/16" LAMINATED: (2) LITES OF 1/4" T GLASS WITH .090" PVB INTERLAYER.
- 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 4-6.
- 4) SHUTTERS ARE NOT REQUIRED 30' ABOVE GRADE.
- 5) INSTALLATION SCREWS, FRAME AND PANEL CORNERS TO BE SEALED WITH NARROW JOINT SEALANT.
- 6) REFERENCES: TEST REPORTS FTL-5998, FTL-6005, FTL-7468 AND FTL-6012.
ELCO ULTRACON, CRETEFLEX AND AGGREGATOR NOA'S, 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 CURRENT FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 8) DOOR SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE, AS APPLICABLE.
- 9) CONFIGURATIONS: STRAIGHT DOORS - MAXIMUM 2 TRACKS BY 9 FT. (108") HIGH WITH MAXIMUM 4 FT. NOMINAL WIDE DOOR PANEL, MAXIMUM 4 PANELS. SEE EXAMPLE ELEVATIONS AND PANEL CONFIGURATIONS ON SHEETS 2 & 7.

D.L.O. WIDTH = NOM. PANEL WIDTH - 7"
D.L.O. HEIGHT = DOOR UNIT HEIGHT - 10.125"
PANEL HEIGHT = DOOR UNIT HEIGHT - 1.866"

NOTES PERTAINING TO ANCHORAGE DETAILS ON SHEET 5-6:

- 1) FOR CONCRETE/CMU SUBSTRATE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED ELCO ANCHORS. SEE TABLE 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.

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

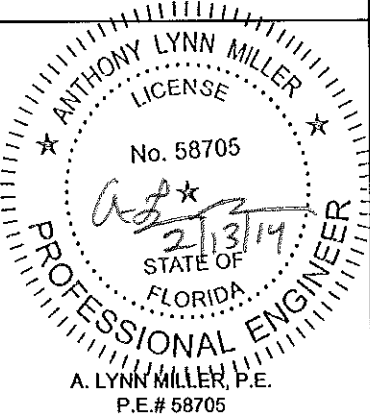
* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE. METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

NOA DRAWING MAP

SHEET

GENERAL NOTES.....	1
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PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 13-1009-06
Expiration Date MAR 24, 2015
By: [Signature]
Florida State Professional Engineer

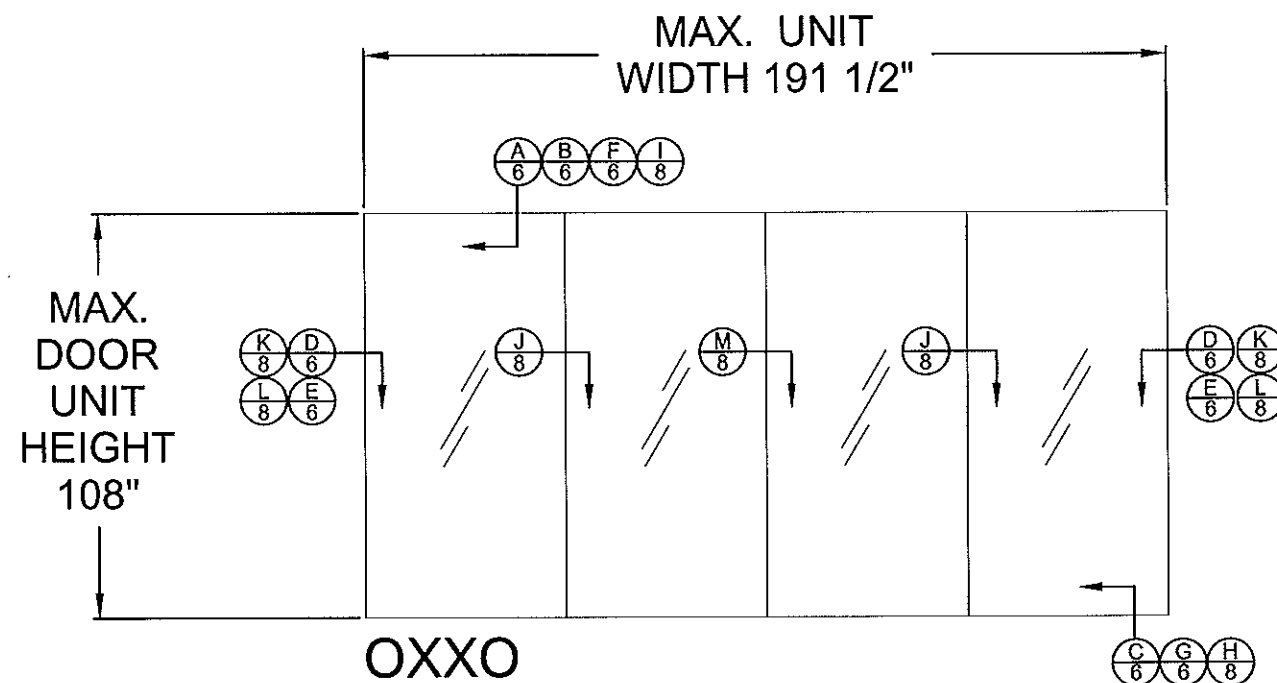
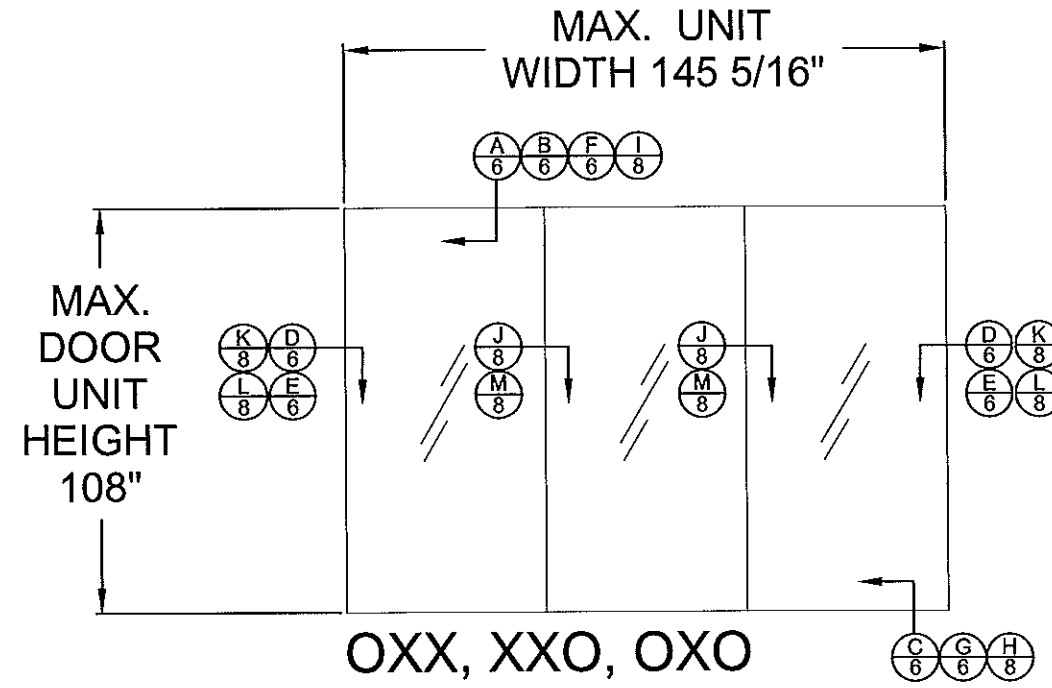
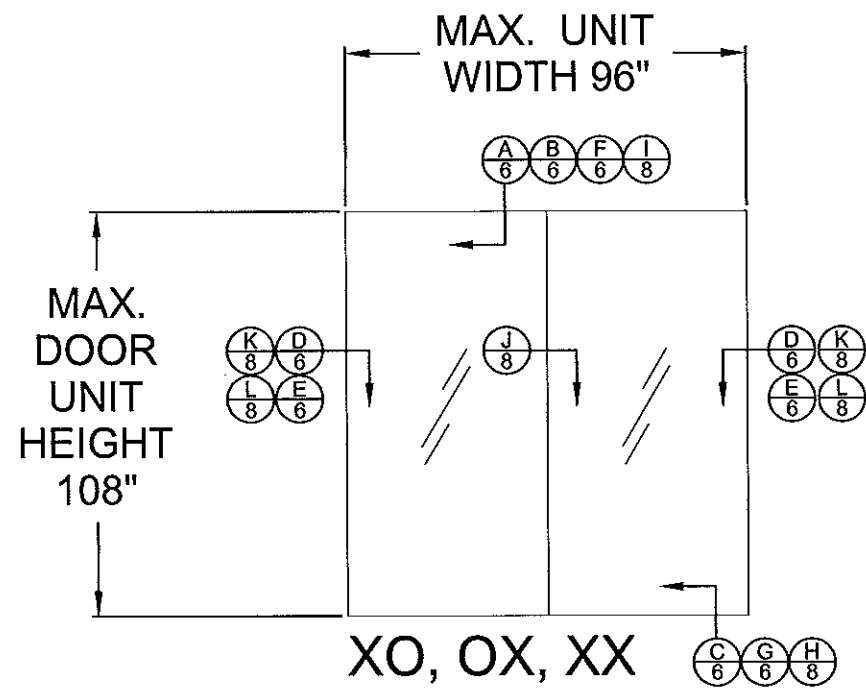


Revised By: SMC	Date: 02/23/10	Revisions: B	PER MIAMI DADE COMMENTS
Revised By: J.J.	Date: 10/12/11	Revisions: C	FBC 2010 CODE CHANGE
Revised By: JR	Date: 09/20/13	Revisions: D	ADDITIONAL ANCHORS/HIGHER DP
Drawn By: SMC	Date: 08/05/07	Checked By: RJA	Date: RJA

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

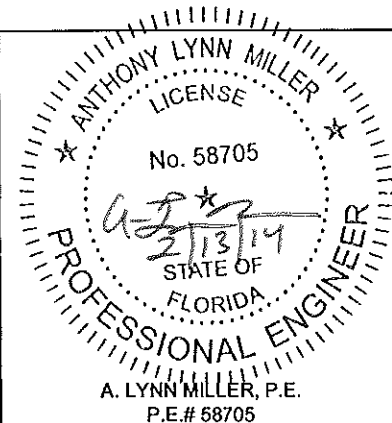


Description: GENERAL NOTES AND MAP				
Title: SERIES 770 H.P. ALUMINUM SGD - SMI				
Series/Model: SGD770 H.P.	Scale: NTS	Sheet: 1 of 10	Drawing No: PGT0005	Rev: D



APPROVED CONFIGURATIONS

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 13-1005-06
Expiration Date 3/24/15
By: [Signature]
Miami Dade Permit Control

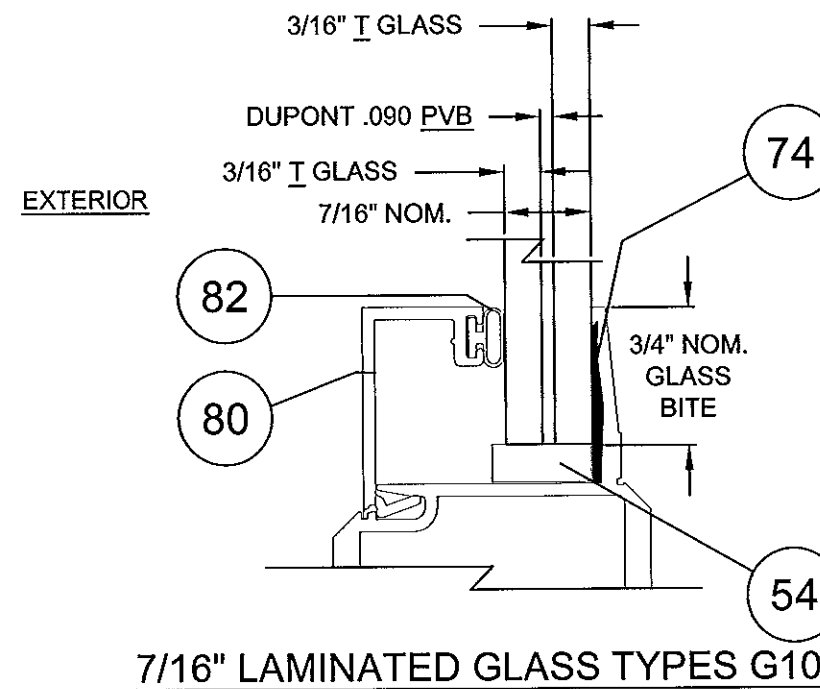
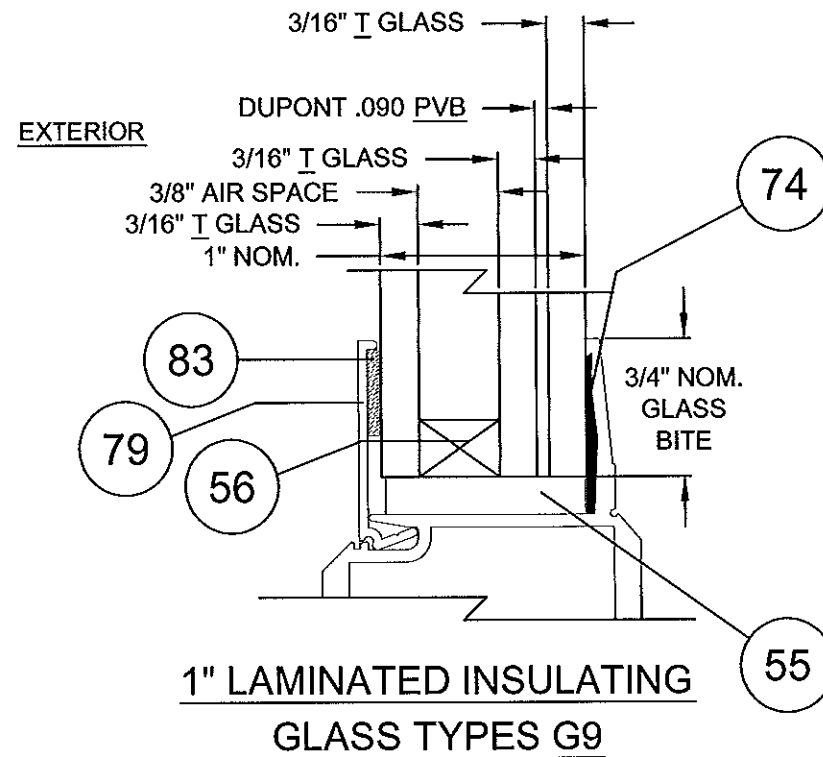


Revised By: SMC	Date: 02/23/10	Revisions: B	PER MIAMI DADE COMMENTS
Revised By: J.J.	Date: 10/12/11	Revisions: C	NO CHANGE THIS SHEET
Revised By: JR	Date: 09/20/13	Revisions: D	NO CHANGE THIS SHEET
Drawn By: SMC	Date: 08/05/09	Checked By: RJA	Date:

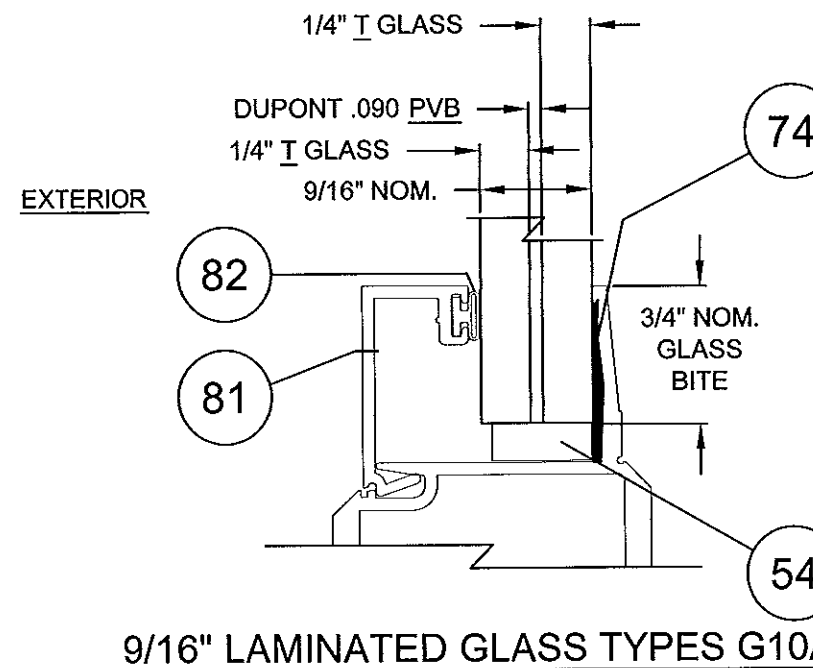
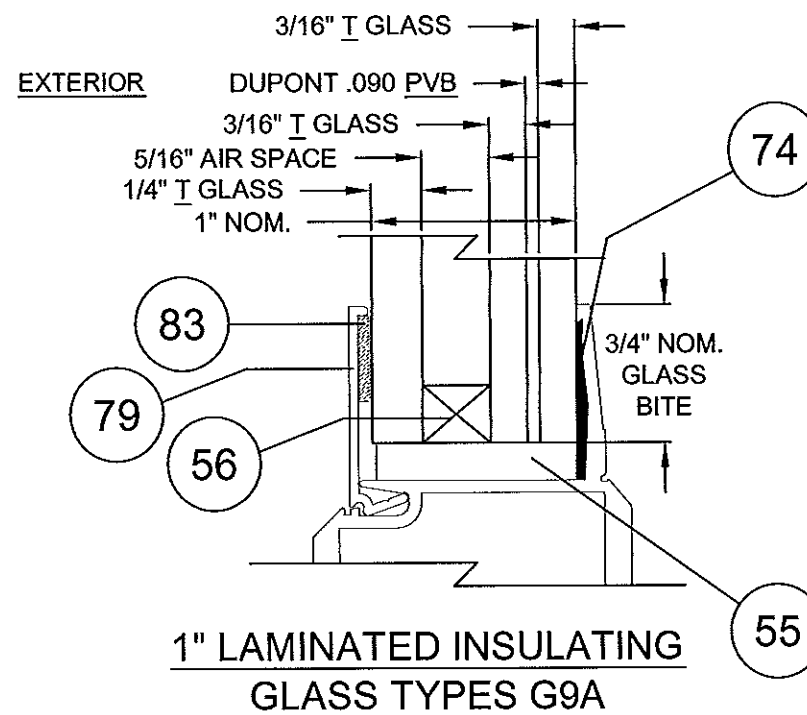
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



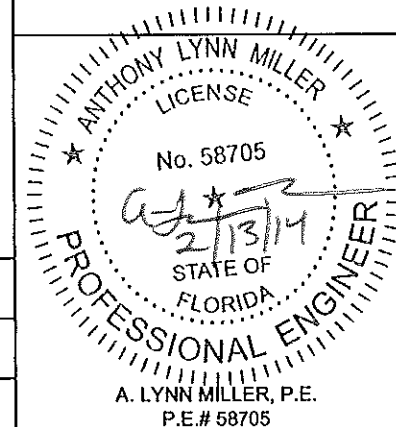
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Title: SERIES 770 H.P. ALUMINUM SGD - SMI			
Series/Model: SGD770 H.P.	Scale: NTS	Sheet: 2 of 10	Drawing No. PGT0005
Rev: D			



PVB = DUPONT .090" BUTACITE PVB



PRODUCT REVISED
as complying with the Florida
Building Code
Approval No. 13-1005.06
Expiration Date 3/24/15
By: [Signature]
State Product Control



Revised By:	Date:	Revisions:	
SMC	02/23/10	B	PER MIAMI DADE COMMENTS
Revised By:	Date:	Revisions:	
J.J.	10/12/11	C	NO CHANGE THIS SHEET
Revised By:	Date:	Revisions:	
JR	09/20/13	D	BEADING & TEXT
Drawn By:	Date:	Checked By:	Date:
SMC	08/05/09	RJA	

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



Description:			
GLAZING DETAILS			
Title:			
SERIES 770 H.P. ALUMINUM SGD - SMI			
Series/Model:	Scale:	Sheet	Drawing No.
SGD770 H.P.	NTS	3 of 10	PGT0005
Rev:			D

TABLE 1:

Design Pressure (DP) and Anchor Quantities Required (For all approved Configurations, Sheet 2 and Glass Types, Sheet 3)																						
Reinforced Interlocks Heavy-duty Astragal Heavy-duty Stiles				Door Unit Height																		
				80"			84"			90"			98"				102"			108"		
				69-7/8" (DLO)			73-7/8" (DLO)			79-7/8" (DLO)			87-7/8" (DLO)				91-7/8" (DLO)			97-7/8" (DLO)		
				Anchor Group			Anchor Group			Anchor Group			Anchor Group				Anchor Group			Anchor Group		
		1	2 & 4	3	1 & 2	3	4	1 & 2	3	4	1	2	3	4	1 & 2	3	4	1 & 2	3	4		
Nominal Panel Width	24"	17" (DLO)	DP (psf)	+90/-130			+90/-130			+90/-130			+90/-130				+90/-130			+90/-130		
			Head/Sill	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C6+2	C6+2	
			Jamb	10	10	10	10	10	10	10	10	10	10	10	10	10	10	12	12	12	12	12
	30"	23" (DLO)	DP (psf)	+90/-130			+90/-130			+90/-130			+90/-130				+90/-130			+90/-130		
			Head/Sill	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C7+2	C7+2
			Jamb	10	10	10	10	10	10	10	10	12	10	10	10	12	10	12	14	12	12	14
	36"	29" (DLO)	DP (psf)	+90/-130			+90/-130			+90/-130			+90/-130				+90/-130			+90/-130		
			Head/Sill	C5+2	C5+2	C5+2	C5+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C7+2	C7+2	C7+2	C7+2	C7+2	C7+2	C8+2	C8+2
			Jamb	10	12	10	10	12	10	10	14	10	10	10	14	10	12	16	12	12	16	12
	42"	35" (DLO)	DP (psf)	+90/-130			+90/-130			+90/-130			+90/-130				+90/-130			+90/-121.4		
			Head/Sill	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C7+2	C7+2	C7+2	C7+2	C8+2	C8+2	C7+2	C8+2	C8+2	C7+2	C8+2	C8+2
			Jamb	10	12	10	10	14	10	10	14	10	10	10	16	10	12	18	12	12	18	12
	48"	41" (DLO)	DP (psf)	+90/-130			+90/-130			+90/-130			+90/-130				+90/-118.5			+90/-110		
			Head/Sill	C6+3	C6+3	C6+3	C6+3	C7+3	C7+3	C7+3	C7+3	C7+3	C8+3	C8+3	C8+3	C8+3	C7+3	C8+3	C8+3	C7+2	C8+3	C8+3
			Jamb	10	14	10	10	14	10	10	16	10	10	10	18	12	12	18	12	12	18	12

NOTE: JAMB ANCHORS ARE SPECIFIED AS THE TOTAL QUANTITY, DIVIDE BY 2 FOR PAIRS TO BE INSTALLED.

○ = EXAMPLE ON SHEET 5

1. POSITIVE PRESSURES IN TABLE ARE BASED ON THE USE OF THE 4" SILL.
2. WHEN USING THE 2 1/2" SILL, POSITIVE DP IS 46.67 PSF MAX. AND WITH THE 3 1/4" SILL, POSITIVE PRESSURES IS 60.0 PSF MAX. (NEGATIVE PRESSURES UNCHANGED). SEE TABLE 1A ON THIS SHEET.
3. 2 1/2", 3 1/4" AND 4" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS THE 1 1/2" SILL IS NOT AND MUST ONLY BE USED WHERE WATER RESISTANCE IS NOT REQUIRED. POSITIVE DESIGN PRESSURES SHOWN IN TABLE 1 MAY BE USED WHEN THE DOOR IS PROTECTED BY AN OVERHANG COMPLYING WITH THE CURRENT FLORIDA BUILDING CODE (SEE ADJACENT DIAGRAM); THIS CONDITION IS NOT RATED FOR WATER INFILTRATION.
4. SEE SHEETS 1, 5 & 6 FOR ANCHORAGE SPACING, EDGE DISTANCE AND EMBEDMENT INFORMATION.
5. DOOR SIZE TO COMPLY WITH FBC EGRESS REQUIREMENTS.

D.L.O. WIDTH = NOM. PANEL WIDTH - 7"

D.L.O. HEIGHT = DOOR UNIT HEIGHT - 10.125"

PANEL HEIGHT = DOOR UNIT HEIGHT - 1.866"

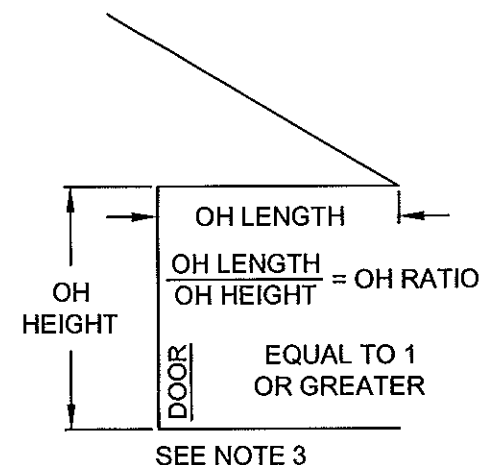
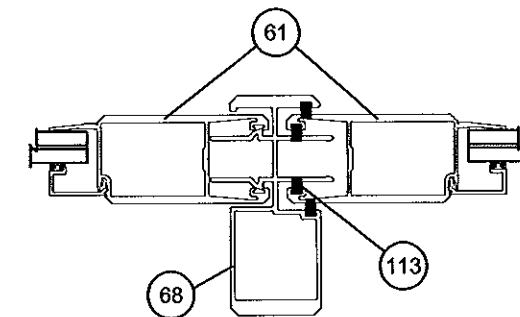
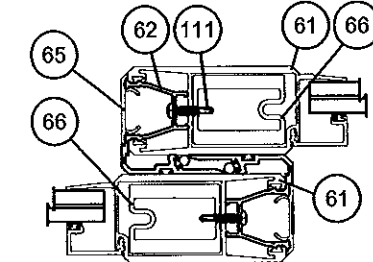


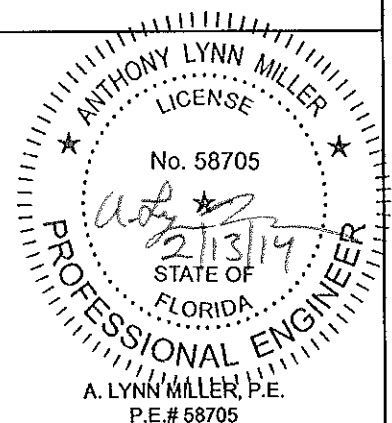
TABLE 1A:

Sill Height to Max. (+) DP (Water Infiltration Rating)	
Sill Riser Height	(+) 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

HEAVY DUTY ASTRAGAL
HEAVY DUTY STILESINTERLOCKS TO BE REINFORCED
WITH THE #66 HEAVY-DUTY REINFORCEMENT
HEAVY-DUTY STILES

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 13-1009-06
Expiration Date 3/24/15
By: [Signature]
Special Pro. Product Control



Revised By:	Date:	Revisions:	
SMC	02/23/10	B	PER MIAMI DADE COMMENTS
Revised By:	Date:	Revisions:	
J.J.	10/12/11	C	NO CHANGE THIS SHEET
Revised By:	Date:	Revisions:	
JR	09/20/13	D	ADDITIONAL ANCHORS/HIGH DP
Drawn By:	Date:	Checked By:	
SMC	8/5/09		

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

Description:

DP AND ANCHORAGE CHART

Title:

SERIES 770 H.P. ALUMINUM SGD - SMI

Series/Model:

SGD770 H.P.

Scale:

NTS

Sheet:

4 of 10

Drawing No.

PGT0005

Rev:

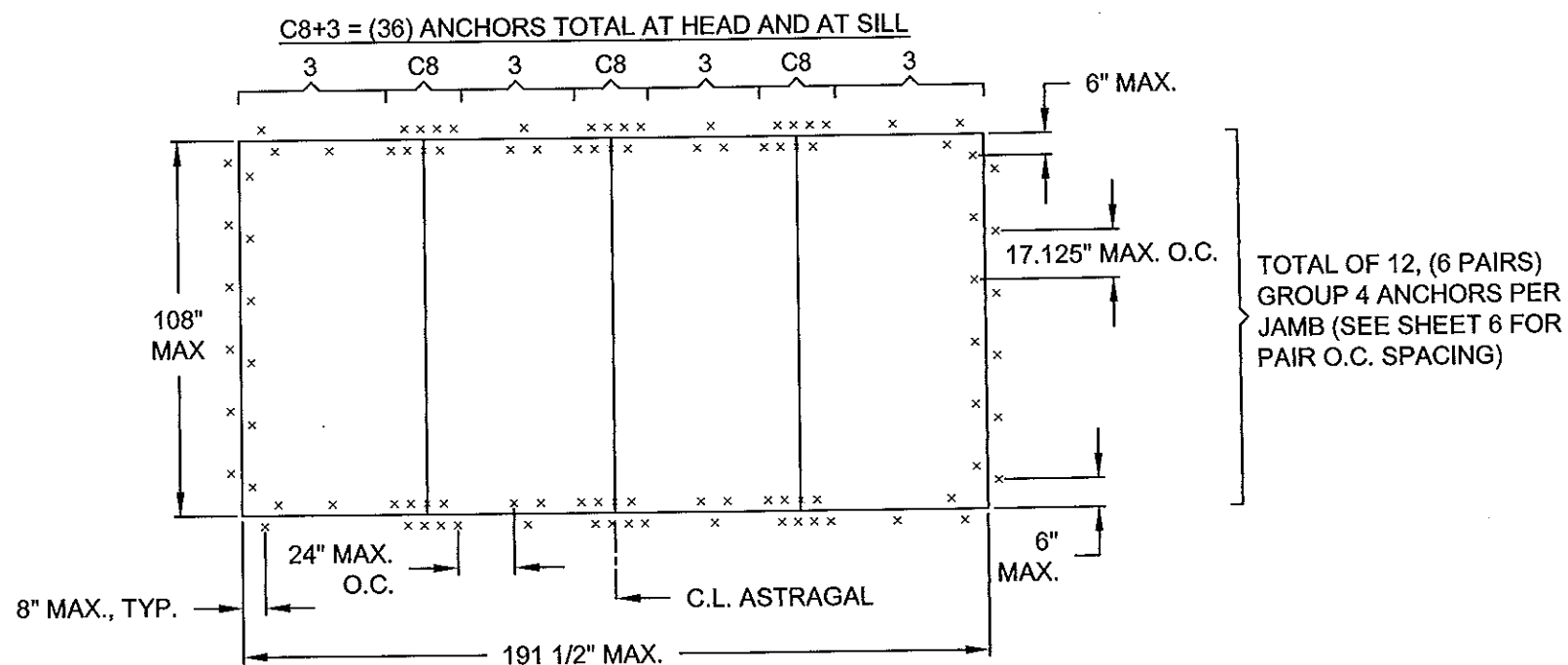
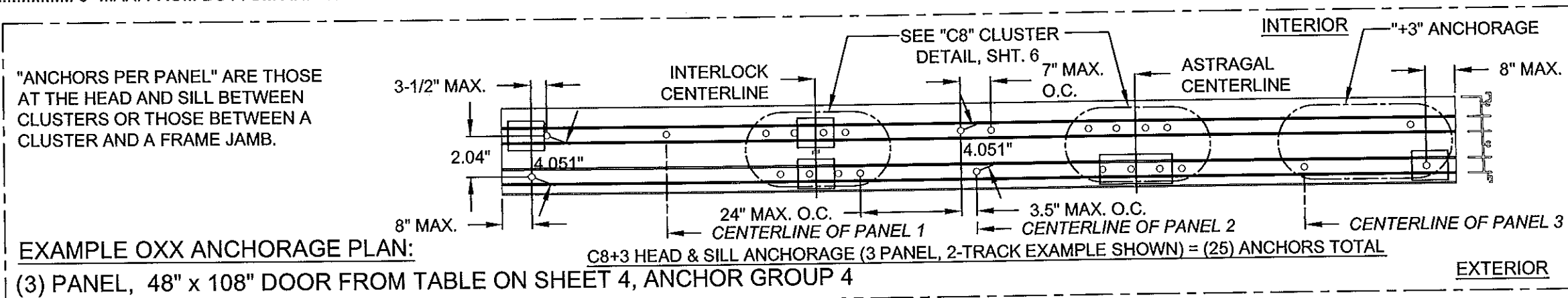
D

ANCHORAGE REQUIREMENTS NOTES:

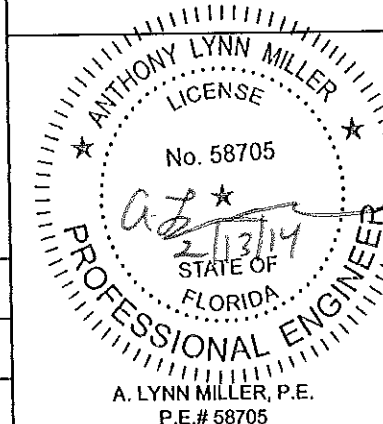
1. APPROVED ANCHORS: SEE SHEET 1.
2. ANCHOR QUANTITIES SPECIFIED IN TABLE 1 ON SHEET 4:

HEAD & SILL..... 8" MAX. FROM FRAME CORNERS. USE SPECIFIED CLUSTER FROM TABLE ON SHEET 4 AT EACH INTERLOCK AND ASTRAGAL LOCATION, PLUS SPECIFIED QUANTITY OF ADDITIONAL INTERMEDIATE ANCHORS PER PANEL (THE 8" FROM CORNER ANCHORS CAN BE INCLUDED).
ADDITIONAL ANCHORS 24" MAX. ON CENTER.
SEE EXAMPLE ANCHORAGE PLANS BELOW AND EXAMPLE CLUSTERS AT ASTRAGAL / INTERLOCKS ON SHEET 6.

JAMBS..... 6" MAX. FROM BOTTOM AND 17.125" MAX. O.C. UTILIZING JAMB ANCHOR QUANTITIES FROM TABLE ON SHEET 4.

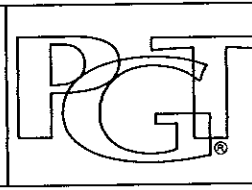


PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 13-1009-06
Registration No. 3/24/15
1/24/15
[Signature]



Revsd By: SMC	Date: 02/23/10	Revisions: B	PER MIAMI DADE COMMENTS
Revsd By: J.J.	Date: 10/12/11	Revisions: C	NO CHANGE THIS SHEET
Revsd By: JR	Date: 09/20/13	Revisions: D	CLARIFIED OC & TEXT
Drawn By: SMC	Date: 08/05/09	Checked By: RJA	

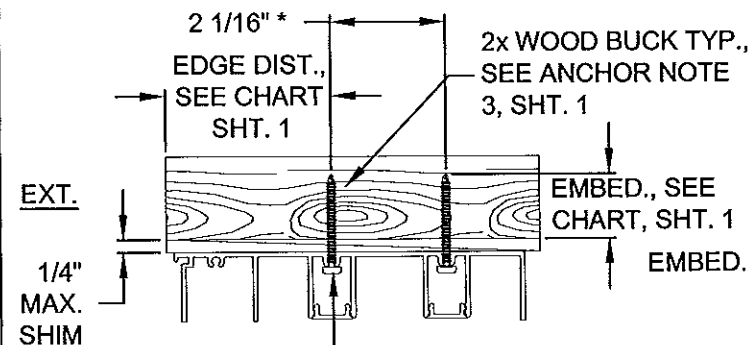
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



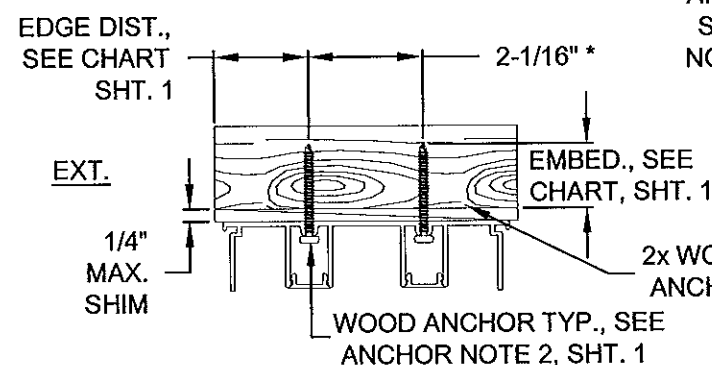
Description:	ANCHORAGE SPACING & EXAMPLE PLANS		
Title:	SERIES 770 H.P. ALUMINUM SGD - SMI		
Series/Model:	SGD770 H.P.	Scale:	NTS
Sheet:	5 of 10	Drawing No.	PGT0005
Rev:	D		

NOTES:

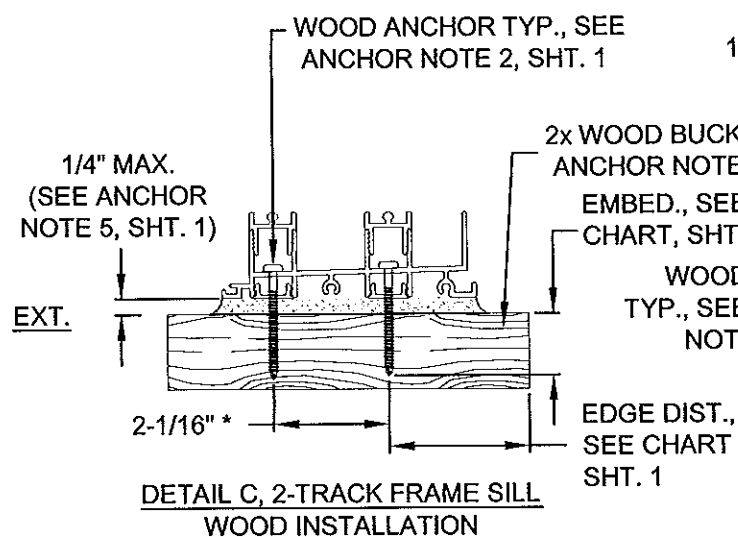
1. ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
2. METAL SUBSTRATES SIMILAR TO WOOD SUBSTRATES AS SHOWN.
- * DIAGONAL, O.C. DIMENSION IS 4.051", SEE CLUSTER DETAILS, (APPLIES TO ALL ANCHORS).



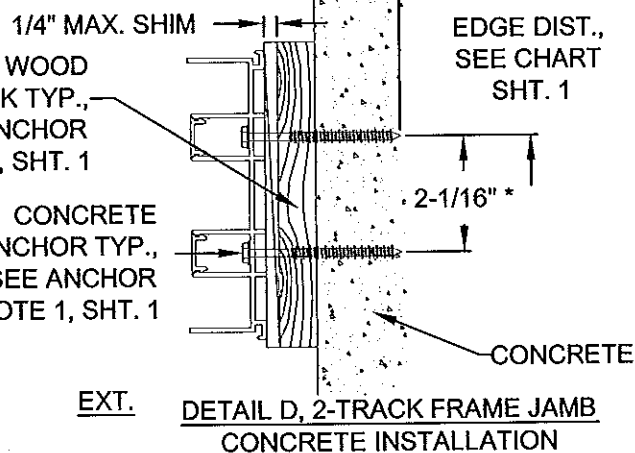
**DETAIL A, 2-TRACK W/ SCREEN FRAME HEAD
WOOD INSTALLATION**



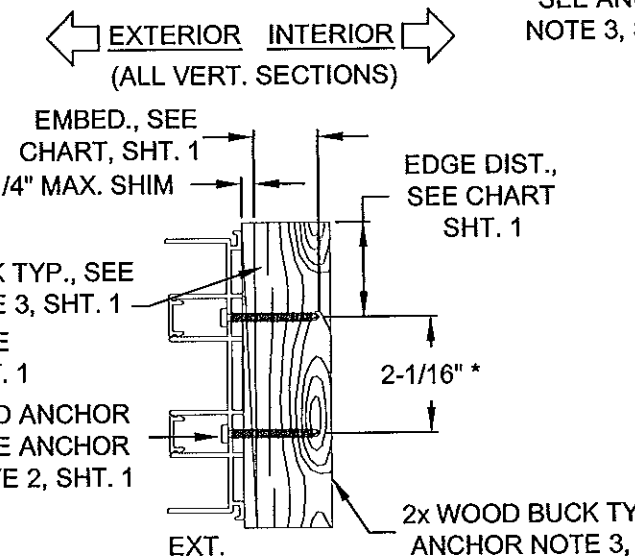
**DETAIL B, 2-TRACK FRAME HEAD
WOOD INSTALLATION**



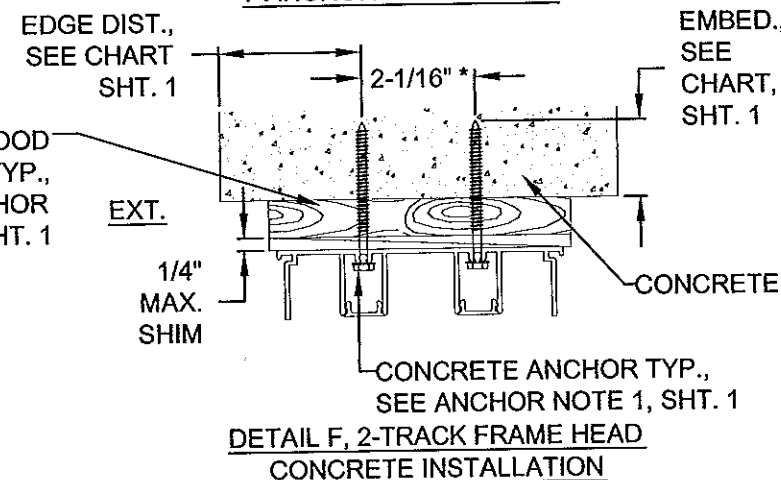
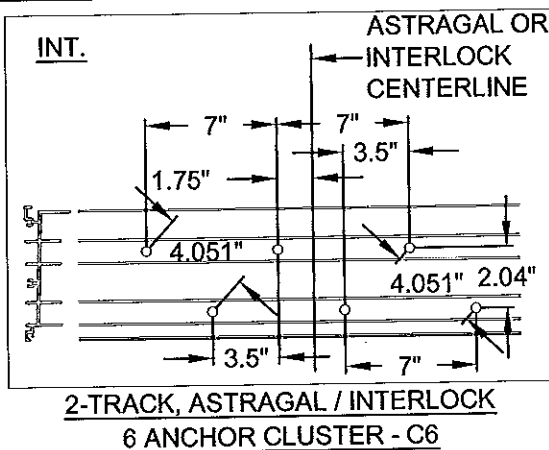
**DETAIL C, 2-TRACK FRAME SILL
WOOD INSTALLATION**



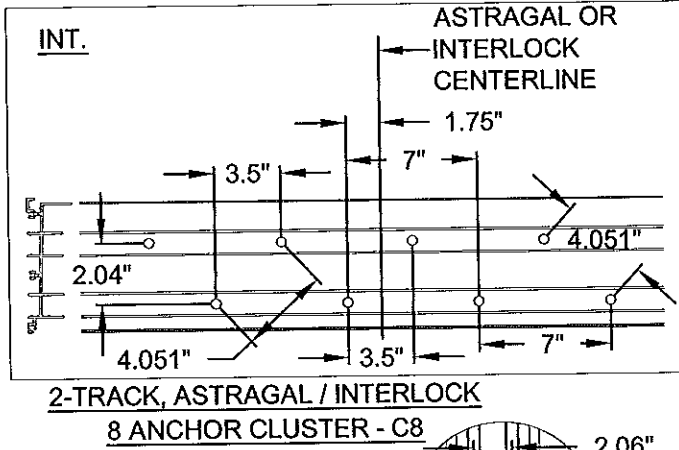
**DETAIL D, 2-TRACK FRAME JAMB
CONCRETE INSTALLATION**



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

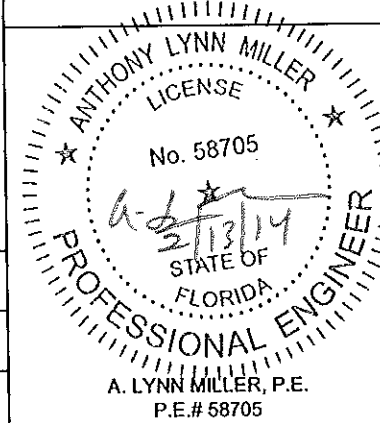


**DETAIL G, 2-TRACK FRAME SILL
CONCRETE INSTALLATION**



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

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 13-1009.06
Expiration Date 3/24/15
By: [Signature]
[Signature]



Revised By: SMC	Date: 02/23/10	Revisions: B	PER MIAMI DADE COMMENTS
Revised By: J.J.	Date: 10/12/11	Revisions: C	NO CHANGE THIS SHEET
Revised By: JR	Date: 09/20/13	Revisions: D	TEXT, DIM REFERENCE POINTS
Drawn By: SMC	Date: 08/05/09	Checked By: RJA	

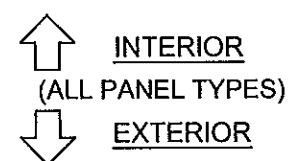
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



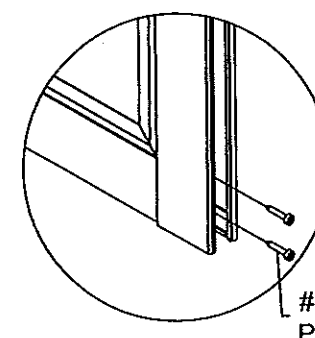
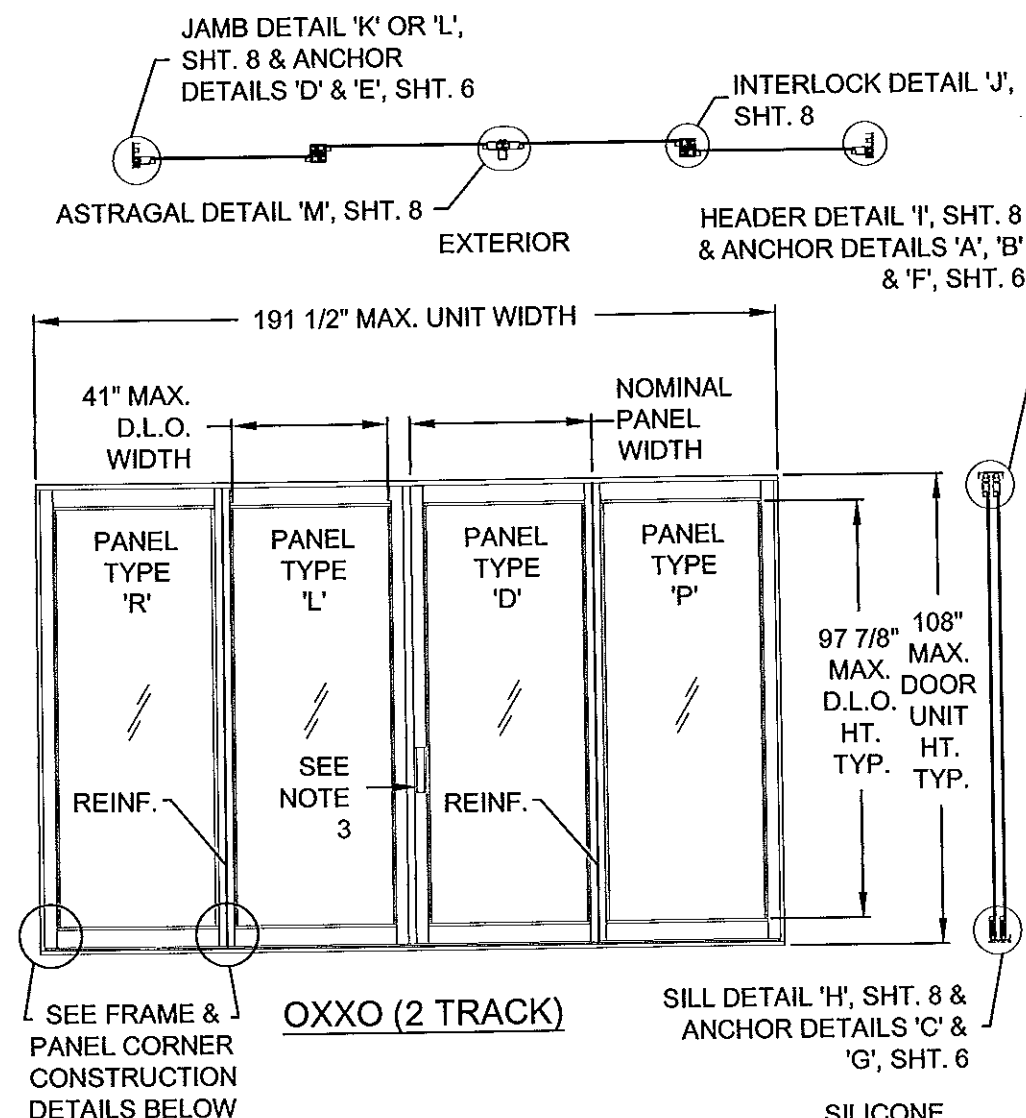
Description:	ANCHORAGE, EXAMPLE CLUSTERS		
Title:	SERIES 770 H.P. ALUMINUM SGD - SMI		
Series/Model:	SGD770 H.P.	Scale:	NTS
Sheet:	6	of	10
Drawing No.	PGT0005		
Rev:	D		

PANEL LETTER			
K	SINGLE INTERLOCK		LOCKSTILE
A	SINGLE INTERLOCK		LOCKSTILE
D	LOCKSTILE		SINGLE INTERLOCK
M	LOCKSTILE		SINGLE INTERLOCK
L (BOX OUT)	SINGLE INTERLOCK		ASTRAGAL OUT
LR (BOX OUT)	ASTRAGAL OUT		SINGLE INTERLOCK
N (BOX OUT)	ASTRAGAL IN		SINGLE INTERLOCK
C (BOX IN)	SINGLE INTERLOCK		ASTRAGAL IN
P	SINGLE INTERLOCK		FIXED LOCKSTILE
R	FIXED LOCKSTILE		SINGLE INTERLOCK
T (BOX OUT)	ASTRAGAL OUT		FIXED LOCKSTILE
T (BOX IN)	ASTRAGAL IN		FIXED LOCKSTILE
S (BOX OUT)	FIXED LOCKSTILE		ASTRAGAL OUT
S (BOX IN)	FIXED LOCKSTILE		ASTRAGAL IN

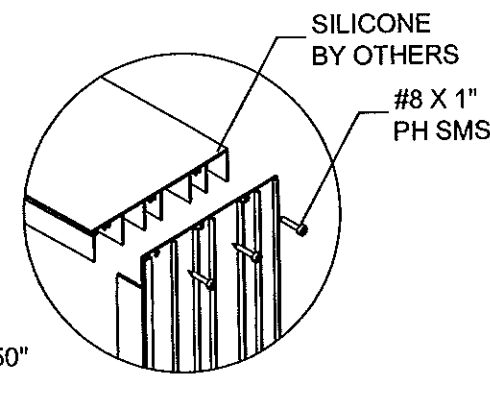
NOTE:
REINFORCEMENT (ITEM #66) REQUIRED AT ALL INTERLOCKS.



D.L.O. WIDTH = NOM. PANEL WIDTH - 7"
D.L.O. HEIGHT = DOOR UNIT HEIGHT - 10.125"
PANEL HEIGHT = DOOR UNIT HEIGHT - 1.866"



PANEL CORNER
DETAIL



FRAME CORNER
DETAIL

NOTES:

1. SEE THIS SHEET FOR INDIVIDUAL PANEL CONFIGURATIONS. MAX. NOMINAL PANEL WIDTH = 48". SEE SHT. 8 FOR SECTION DETAILS AND SHTS. 4-6 FOR ANCHORAGE DETAILS.
2. MAX. DLO WIDTH = 41"; MAX. DLO HEIGHT = 97 7/8", MAX PANEL HEIGHT = 106 1/8".
3. (1) LOCK (ITEMS 75 & 107-110) AT EACH LOCKSTILE, LOCKING INTO KEEPER (ITEM 103) AT FRAME JAMB OR ASTRAGAL.

NOTE:

1. MAXIMUM NOMINAL PANEL WIDTH FOR ALL PANEL CONFIGURATIONS EQUALS 48"

Revised By: SMC	Date: 02/23/10	Revisions: B	PER MIAMI DADE COMMENTS
Revised By: J.J.	Date: 10/12/11	Revisions: C	NO CHANGE THIS SHEET
Revised By: JR	Date: 09/20/13	Revisions: D	REMOVED H&S BRACKET
Drawn By: SMC	Date: 08/05/09	Checked By: RJA	

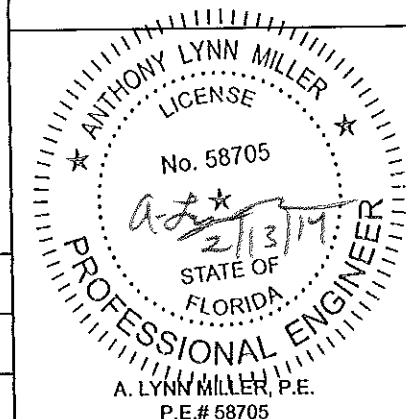
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274



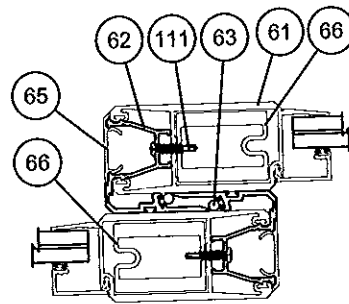
Description:	PANEL TYPES / EXAMPLE ELEVATIONS			
Title:	SERIES 770 H.P. ALUMINUM SGD - SMI			
Series/Model:	SGD770 H.P.	Scale:	NTS	Sheet: 7 of 10
Drawing No.	PGT0005	Rev:	D	

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 13-1009.06
Expiration Date 3/2015
By: *Anthony Lynn Miller*
Professional Engineer

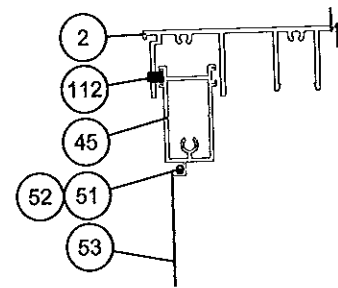


PART ILLUSTRATIONS

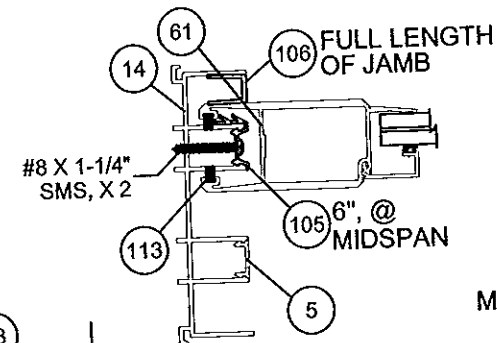
(SEE SHEET 6 FOR FOR INSTALLATION DETAILS)



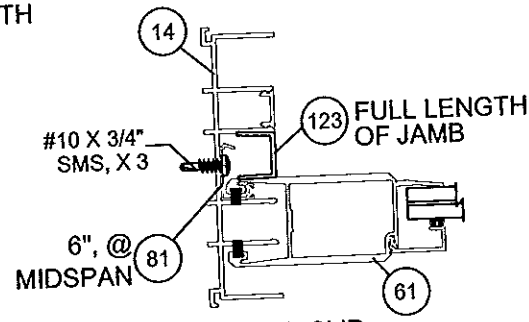
ALL REINFORCED INTERLOCK
DETAIL 'J'



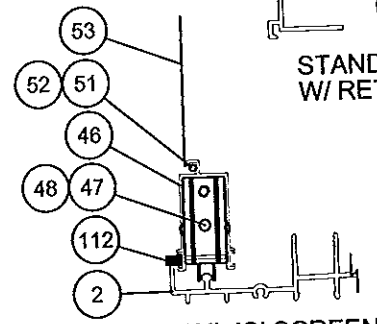
DETAIL 'N' SCREEN
AT HEAD
(2-TRACK SHOWN)



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

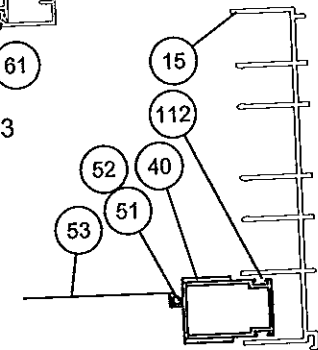


OPTIONAL CLIP
W/ RETAINER #123

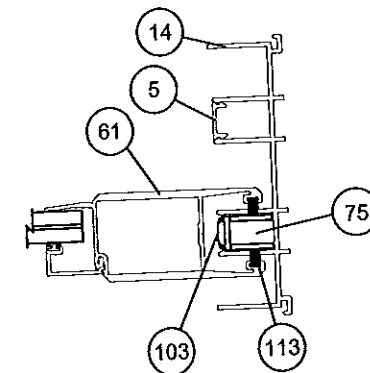


DETAIL 'O' SCREEN
AT SILL
(2-TRACK SHOWN)

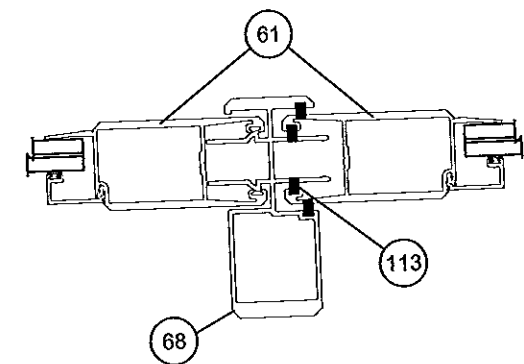
EXTERIOR INTERIOR
(ALL VERT. SECTIONS)



DETAIL 'P' SCREEN
AT JAMB
(2-TRACK SHOWN)



DETAIL 'L'

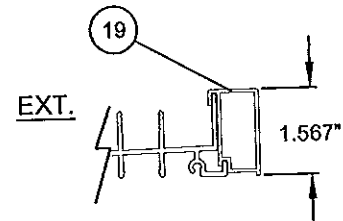


ASTRAGAL
DETAIL 'M'

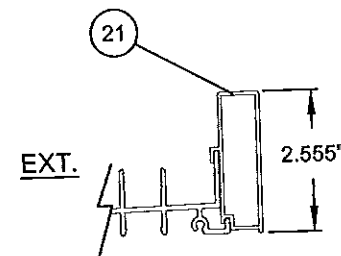
INTERIOR
(ALL HORIZ. SECTIONS)
EXTERIOR

SILL RISERS OPTIONS

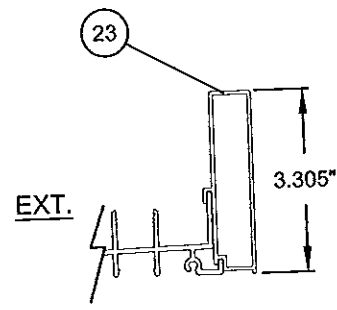
(SEE D.P. LIMIT TABLE 1A, SHEET 4
SEE SHEET 6 FOR FOR INSTALLATION DETAILS)



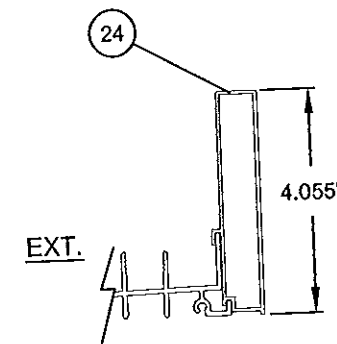
FLUSH BOX SILL RISER
(NOT VALID FOR WATER
INFILTRATION RESISTANCE)



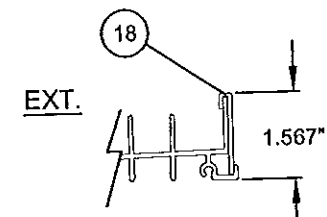
LOW BOX SILL RISER
(2-1/2")



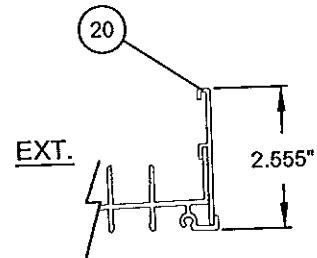
MEDIUM BOX SILL RISER
(3-1/4")



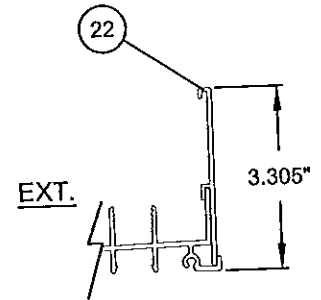
HIGH BOX SILL RISER
(4")



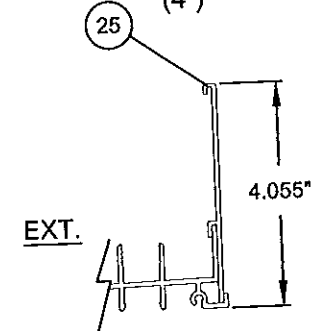
FLUSH FLAT SILL RISER
(NOT VALID FOR WATER
INFILTRATION RESISTANCE)



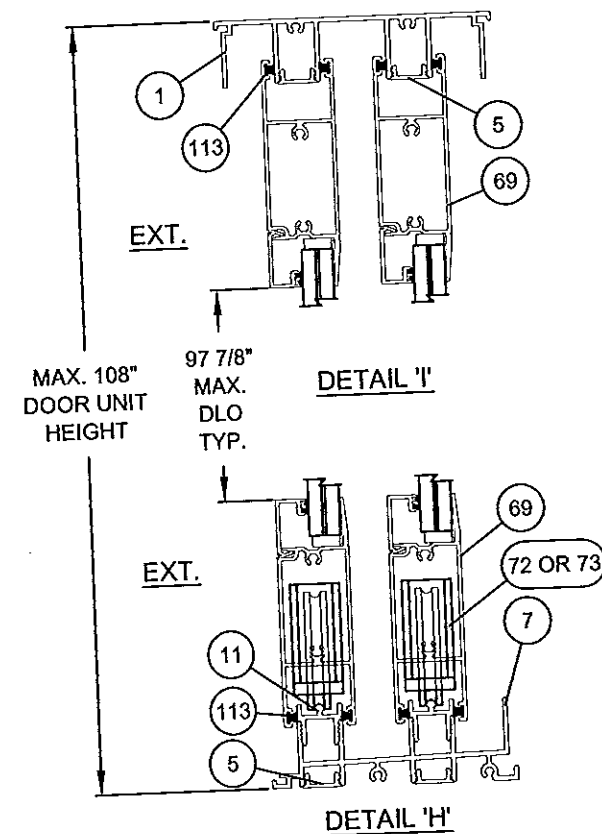
LOW FLAT SILL RISER
(2-1/2")



MEDIUM FLAT SILL RISER
(3-1/4")



HIGH FLAT SILL RISER
(4")



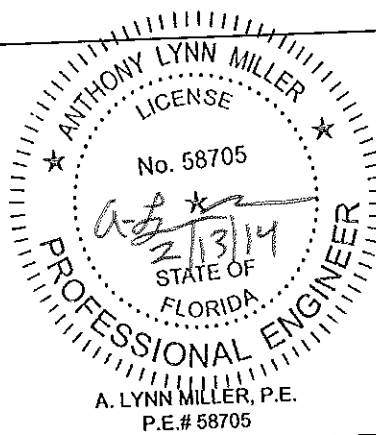
MAX. 108"
DOOR UNIT
HEIGHT

97 7/8"
MAX.
DLO
TYP.

DETAIL 'I'

DETAIL 'H'

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 13-1009.06
Expiration Date 3/24/15
By: [Signature]
[Signature] State of Florida



Revised By: SMC	Date: 02/23/10	Revisions: B	PER MIAMI DADE COMMENTS
Revised By: J.J.	Date: 10/12/11	Revisions: C	NO CHANGE THIS SHEET
Revised By: JR	Date: 09/20/13	Revisions: D	ADDED/EDITED JAMB BRACKET
Drawn By: SMC	Date: 08/05/09	Checked By:	Date:

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



Description:	VERTICAL & HORIZONTAL SECTION DETAILS			
Title:	SERIES 770 H.P. ALUMINUM SGD - SMI			
Series/Model:	SGD770 H.P.	Scale:	NTS	Sheet: 8 of 10
Drawing No.	PGT0005	Rev:	D	

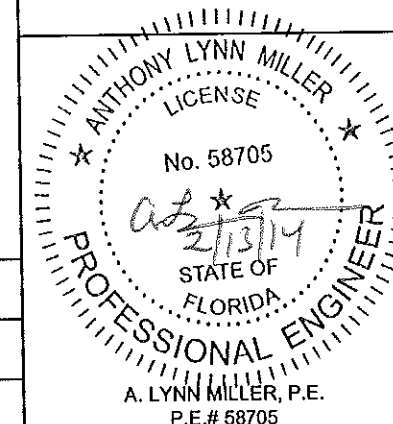
Item	PGT Dwg. #	PGT #	Description
1	17306	617306	2-TRACK HEAD
2	17303	617303	2-TRACK HEAD WITH SCREEN RAIL
5	17314	617314	FRAME SCREW COVER
6	17317	617317	FRAME HEAD/JAMB ADD-ON
7	17304	617304	2-TRACK SILL
8	17301	617301	2-TRACK SILL WITH SCREEN RAIL
11	17313	617313	FRAME SILL TRACK INSERT
14	17305	617305	2-TRACK JAMB
15	17302	617302	2-TRACK JAMB WITH SCREEN RAIL
18	17322	617322	SILL RISER
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	17320	617320	SILL RISER - HIGH HOLLOW
25	17323	617323	SILL RISER - HIGH FLAT
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
56			QUANEX/TRUSEAL DURASEAL SPACER (COMPOSITE SEALANT/DESSICANT)
61	17326	617326	PANEL STILE (HEAVY DUTY)
62	17327	617327	INTERLOCK ADAPTOR
63	1225	6TP248	VINYL BULB WSTP. - THIN (INSIDE INTERLOCK)
64	1729	71729	SILL END WEATHERSTRIP PAD
65	17328	617328	INTERLOCK SCREW COVER
66	17346	617346	INTERLOCK ALUM REINF. (PANEL - 9")

NOTES:

- 1) ALL ALUMINUM = 6063-T6
2) ITEMS # 3, 4, 9-10, 12, 13, 16, 17, 26-39, 57-60, 67, 78, 84-99 & 118-122 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.

Item	PGT Dwg. #	PGT #	Description
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. S.S. SCREW W/ TYPE "F" TIP
77		7103239	10-32 STEEL ZNC U-NUT
79	17330	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	17345	617345	EXTERIOR 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 1.5" S.S.
123	617352	617352	FIXED PANEL RETAINER, 7/8"

PRODUCT REVISED
as complying with the Florida
Building Code
Approval No. 13-1009.06
Registration Date 3/24/15
By: [Signature]
[Signature] State Product Control

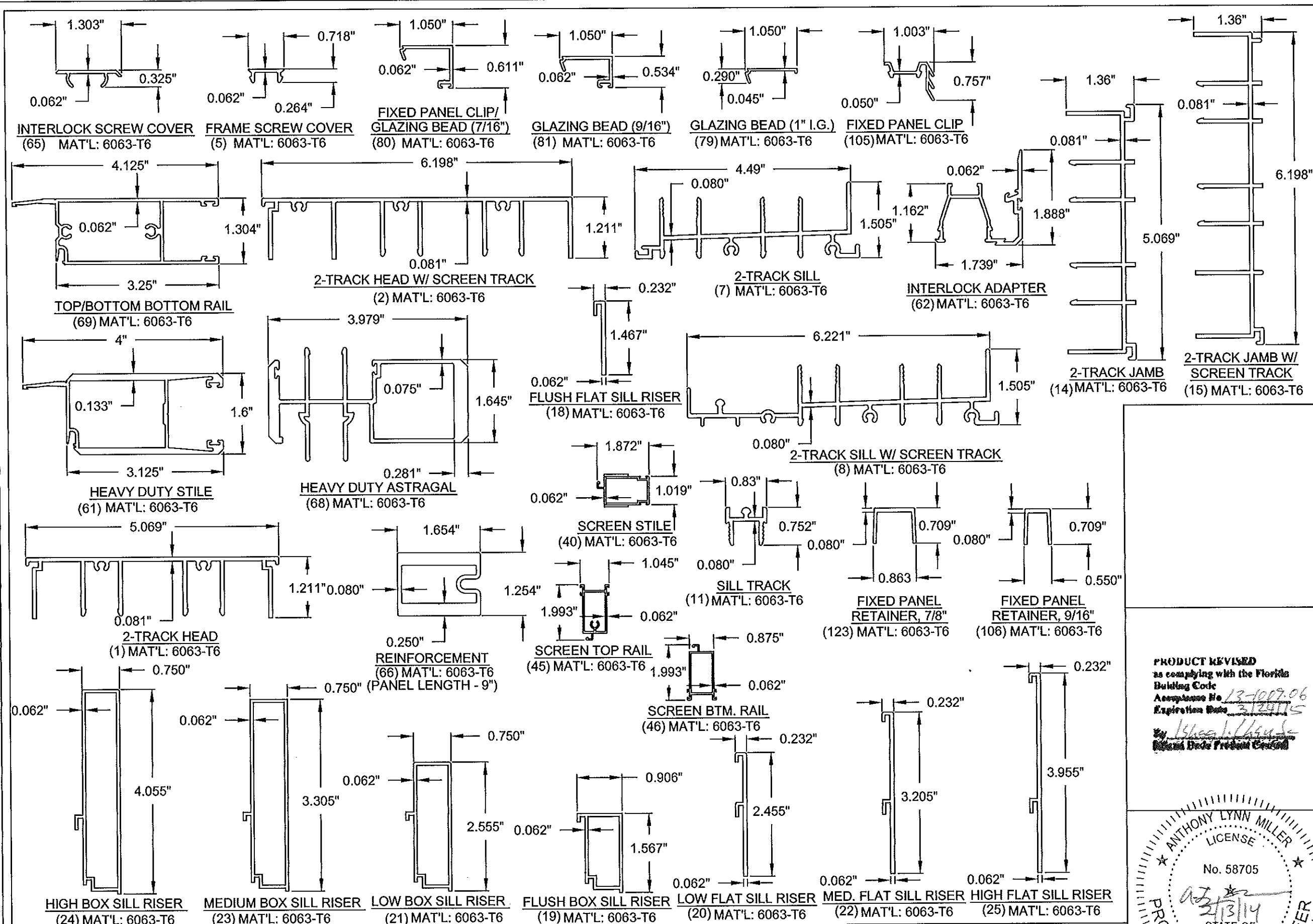


Revised By: SMC	Date: 02/23/10	Revisions: B	PER MIAMI DADE COMMENTS
Revised By: J.J.	Date: 10/12/11	Revisions: C	NO CHANGE THIS SHEET
Revised By: JR	Date: 09/20/13	Revisions: D	TEXT/PART NUMBERS
Drawn By: SMC	Date: 08/05/09	Checked By: RJA	Date:

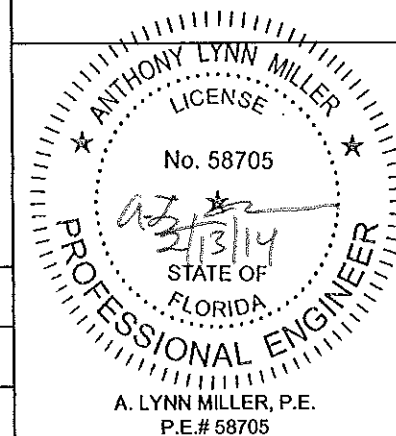
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



Description: PARTS LIST			
Title: SERIES 770 H.P. ALUMINUM SGD - SMI			
Series/Model: SGD770 H.P.	Scale: NTS	Sheet: 9 of 10	Drawing No. PGT0005
Rev: D			



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 13-1007.06
Expiration Date 3/2015
By: [Signature]
Product Code: PGT0005



Revised By: SMC	Date: 02/23/10	Revisions: B	PER MIAMI DADE COMMENTS
Revised By: J.J.	Date: 10/12/11	Revisions: C	NO CHANGE THIS SHEET
Revised By: JR	Date: 09/20/13	Revisions: D	ADDED/EDITED BEADING
Drawn By: SMC	Date: 08/05/09	Checked By: RJA	

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



Description: EXTRUSIONS			
Title: SERIES 770 H.P. ALUMINUM SGD - SMI			
Series/Model: SGD770 H.P.	Scale: NTS	Sheet: 10 of 10	Drawing No: PGT0005
			Rev: D