



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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
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,
Nokomis, FL 34275

SCOPE:

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

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

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

DESCRIPTION: Series "SGD-770" Aluminum Sliding Glass Doors w / 90° & 135° corners - L.M.I.

APPROVAL DOCUMENT: Drawing No. PGT0130 (former PGT0002 Rev C), titled "Series 770 Alum. SGD - LM Impact", sheets 01 through 22 of 22, prepared by manufacturer, dated 08/05/07 with the latest revised on 01/30/15, signed and sealed by Lynn Miller, P. E., bearing the Miami-Dade County Product Control Section Renewal stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

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

REVISION 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 and renews NOA No. 14-0123.10 and consists of these pages 1 and 2, and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

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



J. Gascon
2/5/15

NOA No. 14-0128.11
Expiration Date: February 17, 2020
Approval Date: February 12, 2015
Page 1

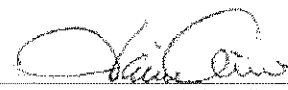
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 14-0123.10)
2. Drawing No. PGT0130, titled "Series 770 Alum. SGD - LM Impact", sheets 01 through 22 of 22, prepared by manufacturer, dated 08/05/07 with the latest revised on 01/30/15, signed and sealed by Lynn Miller, P. E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
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.
(Submitted under previous NOA No. 14-0123.10)
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.'s FTL-5980-R, FTL-6001-R and FTL-6015-R have been revised and reissued on 12/29/09, all signed and sealed by Julio Gonzales, P. E.
(Submitted under previous NOA No. 09-0826.10)



Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 14-0128.11

Expiration Date: February 17, 2020

Approval Date: February 12, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

3. 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.'s FTL-5980, FTL-5993, FTL-6036, FTL-6001, FTL-6014, FTL-6015, FTL-6017, FTL-6023, FTL-6024, FTL-6025, FTL-6028, FTL-6031, FTL-6033 and FTL-6036, all dated 08/10/09, signed and sealed by Julio Gonzales, P. E.
(Submitted under previous NOA No. 09-0826.10)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, conformance to and complying with FBC 2010 and with FBC 5th Edition (2014), prepared by manufacturer, dated 01/30/15, signed and sealed by Lynn Miller, P. E.
2. Glazing complies with ASTM E1300-09

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 to and complying with FBC 5th Edition (2014), issued by manufacture, dated 12/17/14, signed and sealed by Lynn Miller, P. E.
2. Statement letter of conformance and complying with FBC-2010, issued by manufacture, dated 01/24/14, signed and sealed by Lynn Miller, P. E.
(Submitted under previous NOA No. 14-0123.10)
3. Statement letter of no financial interest, issued by manufacture, dated 01/24/14, signed and sealed by Lynn Miller, P. E.
(Submitted under previous NOA No. 14-0123.10)


Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 14-0128.11
Expiration Date: February 17, 2020
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F. STATEMENTS (CONTINUED)

4. Laboratory compliance letter for Test Report No. **FTL-7554**, issued by Fenestration Testing Laboratory, Inc., dated 11/01/13, signed and sealed by Marlin D. Brinson, P.E.
(Submitted under previous NOA No. 14-0123.10)
5. Proposal issued by Product Control, dated 08/12/13, signed by Jaime D. Gascon, P. E.
(Submitted under previous NOA No. 14-0123.10)
6. Laboratory compliance letter for Test Reports No.'s **FTL-5980-R, FTL-6001-R and FTL-6015-R**, reissued by Fenestration Testing Laboratory, Inc., all dated 12/29/09, signed and sealed by Julio Gonzales, P. E.
(Submitted under previous NOA No. 09-0826.10)
7. Laboratory compliance letter for Test Reports No.'s **FTL-5980, FTL-5993, FTL-6036, FTL-6001, FTL-6014, FTL-6015, FTL-6017, FTL-6023, FTL-6024, FTL-6025, FTL-6028, FTL-6031, FTL-6033 and FTL-6036**, issued by Fenestration Testing Laboratory, Inc., all dated 08/10/09, signed and sealed by Julio Gonzales, P. E.
(Submitted under previous NOA No. 09-0826.10)
8. Proposals No.'s **09-0177**, dated 03/17 & 31/09, **09-0177A**, dated 05/07/09, **09-0177B**, dated 06/09/09 and **09-0177C**, dated 11/18/09, all issued by Product Control, signed by Ishaq Chanda, P. E.
(Submitted under previous NOA No. 09-0826.10)

G. OTHERS

1. Notice of Acceptance No. **14-0123.10**, issued to PGT Industries, Inc. for their Series "SGD-770 Aluminum Sliding Glass Doors w/ wo Reinforcements", approved on 02/06/14 and expiring on 02/17/15.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 14-0128.11
Expiration Date: February 17, 2020
Approval Date: February 12, 2015

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

GENERAL NOTES

- 1) GLAZING TYPE OPTIONS: SEE TABLE B, THIS SHEET & GLAZING DETAILS ON SHEETS 4 & 5.
- 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 PER FBC REQUIREMENTS, AS APPLICABLE.
- 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) DOOR 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. PROPERLY SECURED, 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 & TO BE REVIEWED BY THE BUILDING OFFICIAL.
- 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, SEE DETAILS ON SHEETS 4 & 5

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

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"
	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"
		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.

**P-HOOK INSTALLATION REQUIRES 2.693" MIN. EDGE DISTANCE, REFER TO SHEET 14 FOR ALL SPECIFIC P-HOOK REQUIREMENTS.

NOA DRAWING MAP

SHEET

GENERAL NOTES.....	1
EXAMPLE CONFIGS.....	2-3
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PARTS LIST.....	20
EXTRUSIONS.....	21,22

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

GLAZING NOTES:

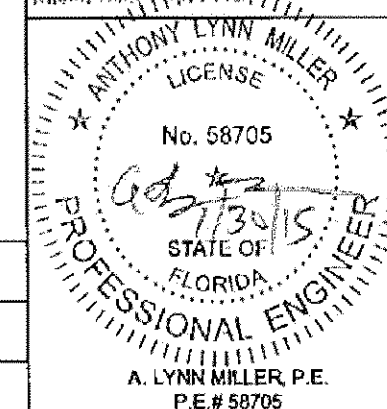
"ANN" = ANNEALED
"HS" = HEAT STRENGTHENED
"T" = TEMPERED
"PVB" = DUPONT .090" BUTACITE PVB
"SG" = DUPONT .090" SENTRYGLAS

PRODUCT RENEWED

as complying with the Florida Building Code
Acceptance No. **14-0128-11**
Expiration Date **02/17/2020**

By *[Signature]*

Miami Code Enforcement



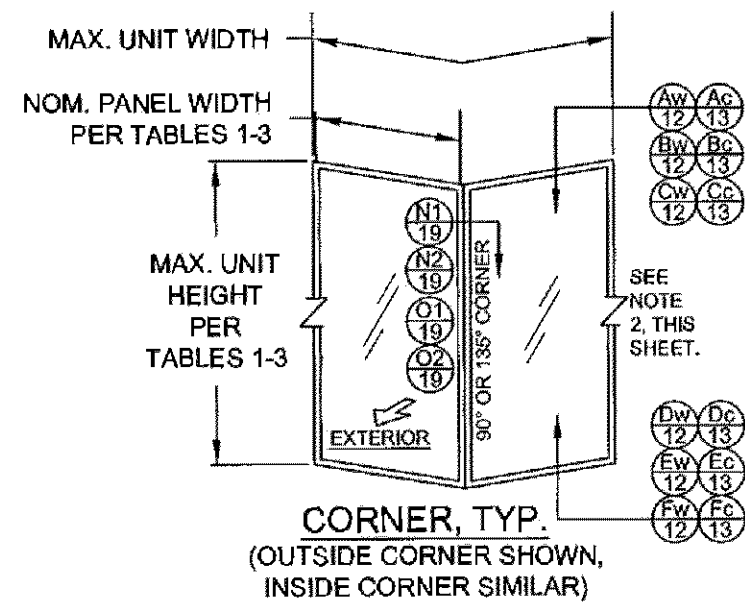
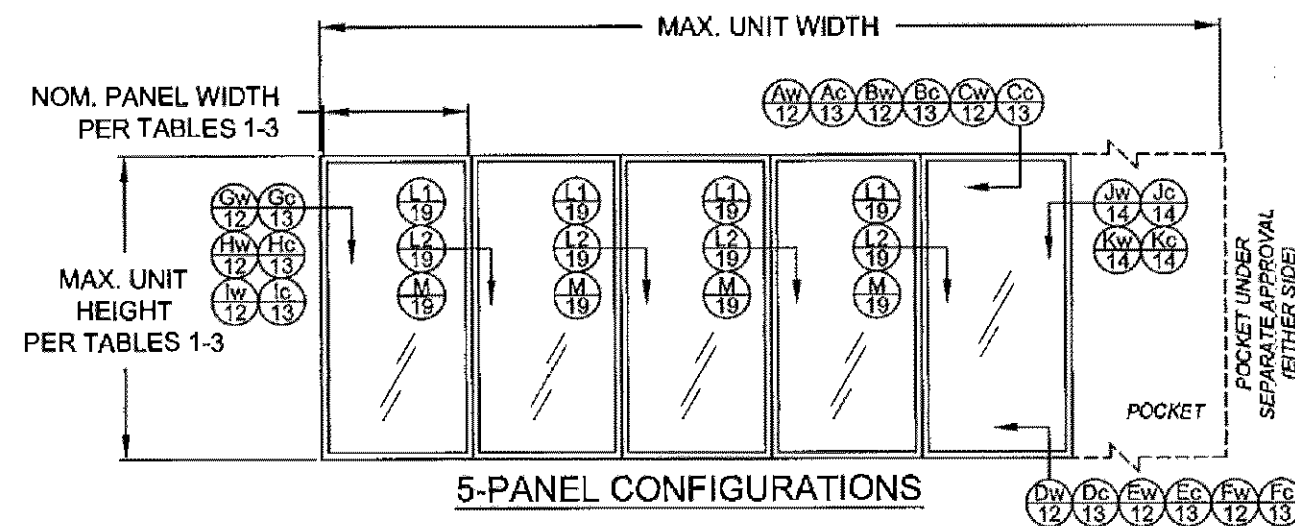
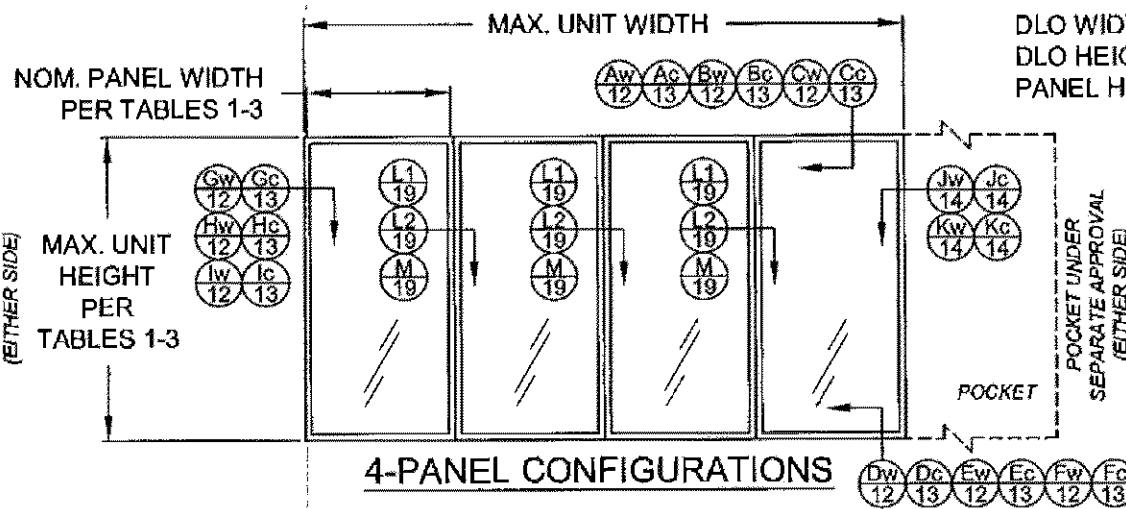
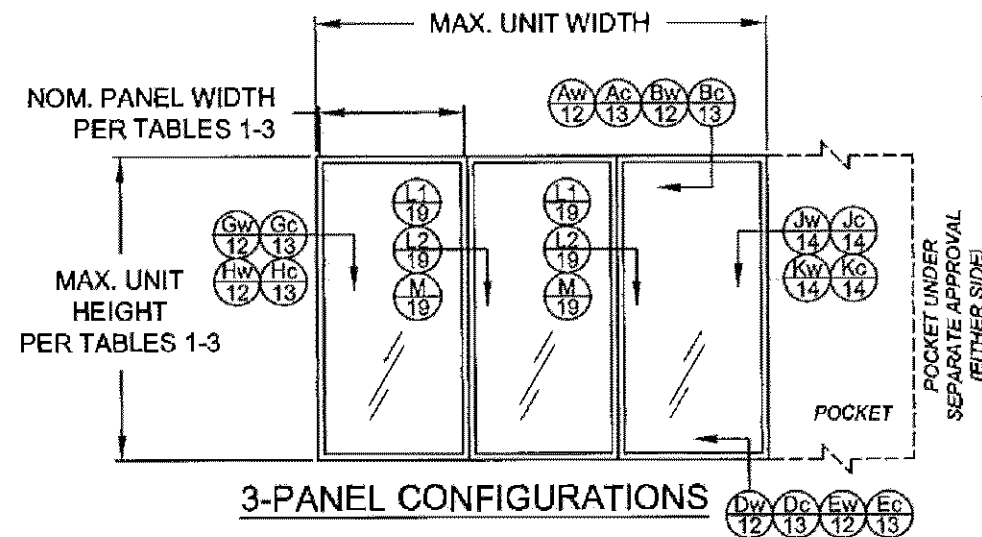
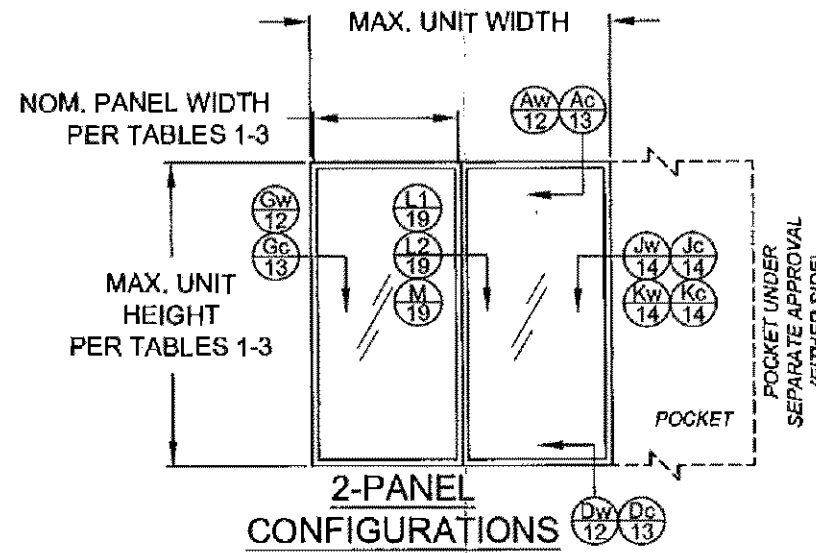
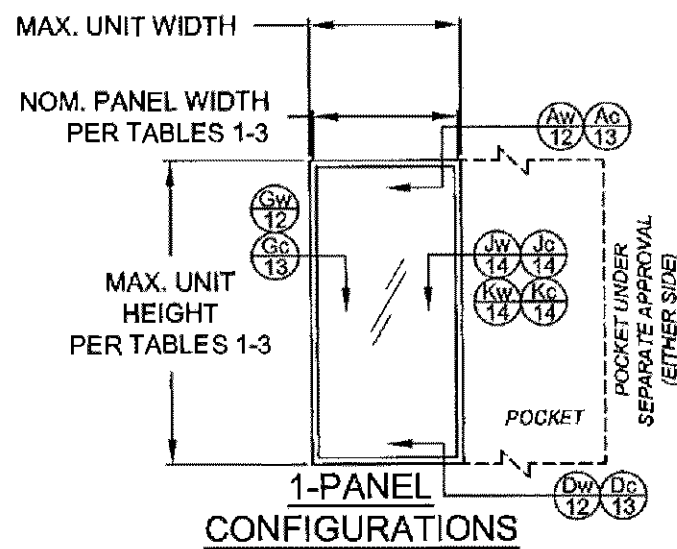
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Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	10/10/14	

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34276
(941)-480-1600
CERT. OF AUTH. #29296



Description: GENERAL NOTES AND MAP			
Title: SERIES 770 ALUM. SGD - LM IMPACT			
Series/Model:	Scale:	Sheet:	Drawing No.
SGD-770	NTS	1 of 22	PGT0130

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
"W" = WOOD OR METAL INSTALLATION
"C" = CONCRETE INSTALLATION
SHEET NUMBER

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

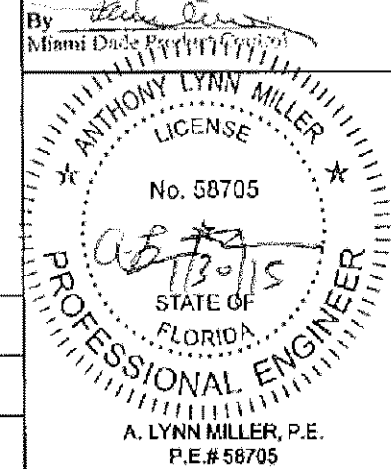
(941)-480-1600

CERT. OF AUTH. #29296



Description:	EXAMPLE CONFIGURATIONS		
Series/Model:	SGD-770		
Scale:	NTS	Sheet:	2 of 22
Drawing No.	PGT0130		

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 14-0128.11
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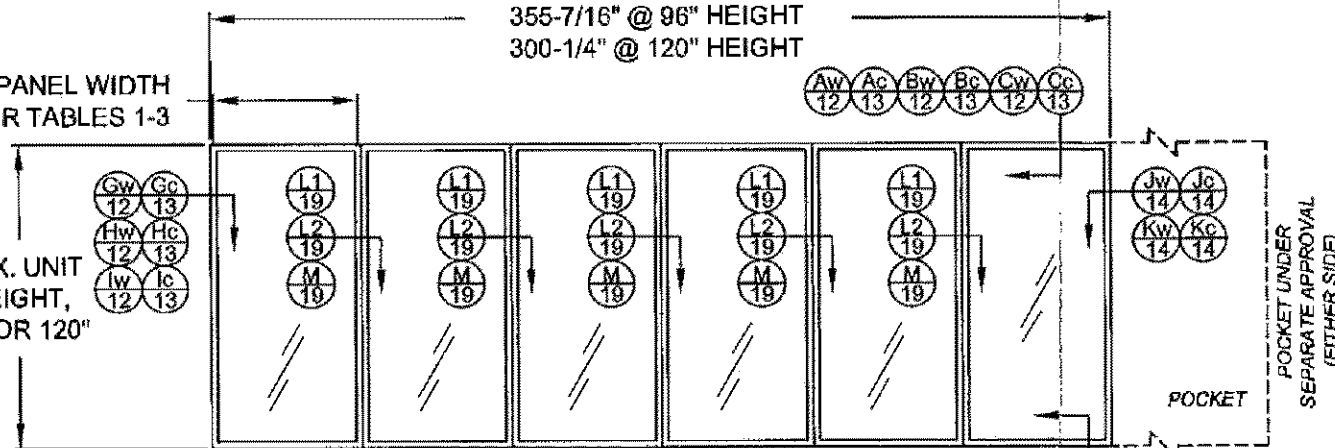


EXAMPLE CONFIGURATIONS

MAX. TESTED UNIT WIDTH =
355-7/16" @ 96" HEIGHT
300-1/4" @ 120" HEIGHT

NOM. PANEL WIDTH
PER TABLES 1-3

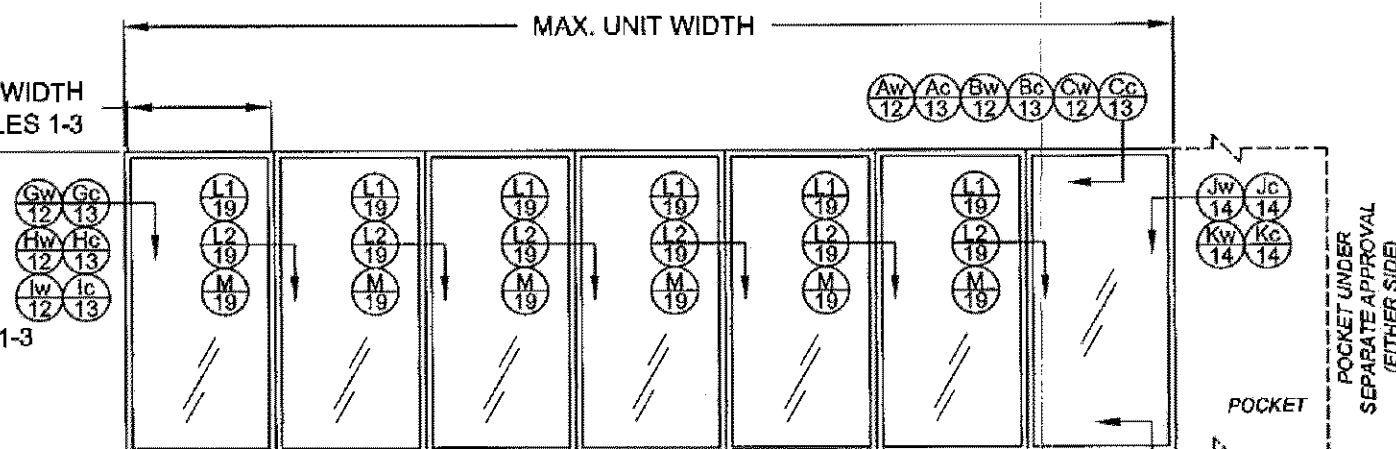
MAX. UNIT
HEIGHT,
96" OR 120"



6-PANEL CONFIGURATIONS

NOM. PANEL WIDTH
PER TABLES 1-3

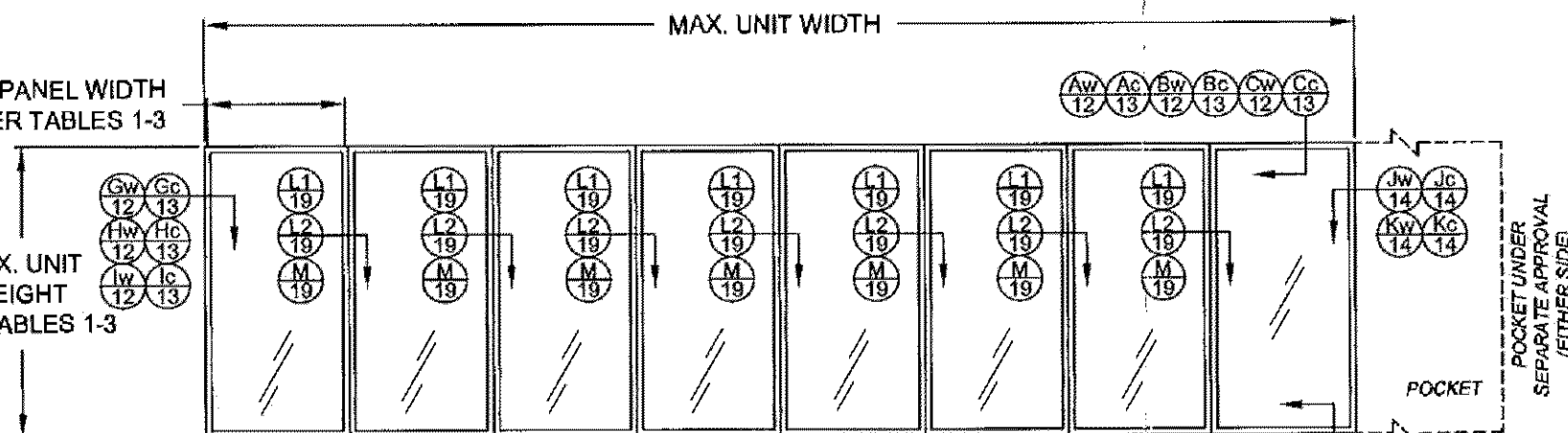
MAX. UNIT
HEIGHT
PER TABLES 1-3



7-PANEL CONFIGURATIONS

NOM. PANEL WIDTH
PER TABLES 1-3

MAX. UNIT
HEIGHT
PER TABLES 1-3



8-PANEL 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
"w" = WOOD OR METAL INSTALLATION
"c" = CONCRETE INSTALLATION
SHEET NUMBER

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

Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	10/10/14	

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

CERT. OF AUTH. #29296

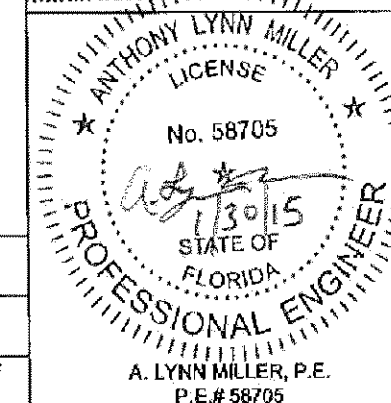


Description:
EXAMPLE CONFIGURATIONS

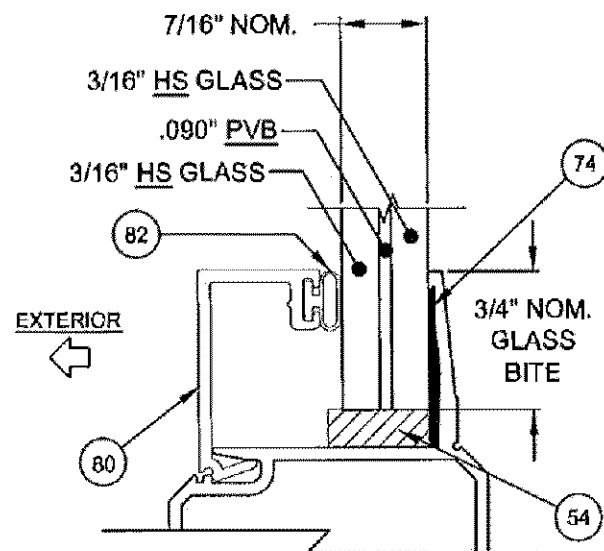
Title:
SERIES 770 ALUM. SGD - LM IMPACT

Series/Model: SGD-770 Scale: NTS Sheet: 3 of 22 Drawing No. PGT0130 Rev:

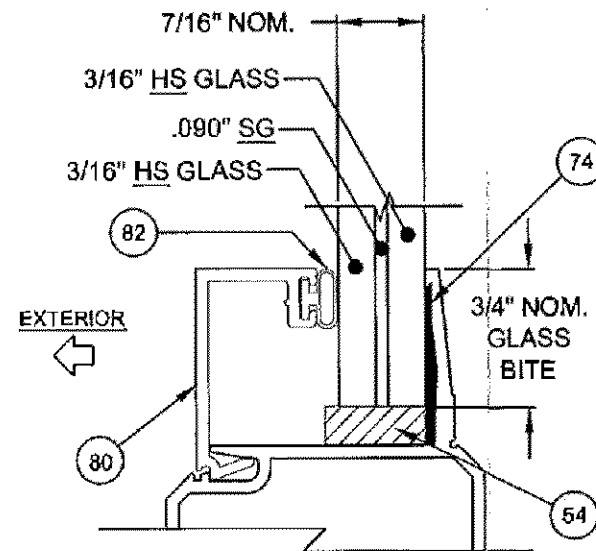
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 14-0128.11
Expiration Date 02/17/2020
By: *[Signature]*
Miami Dade Product Control



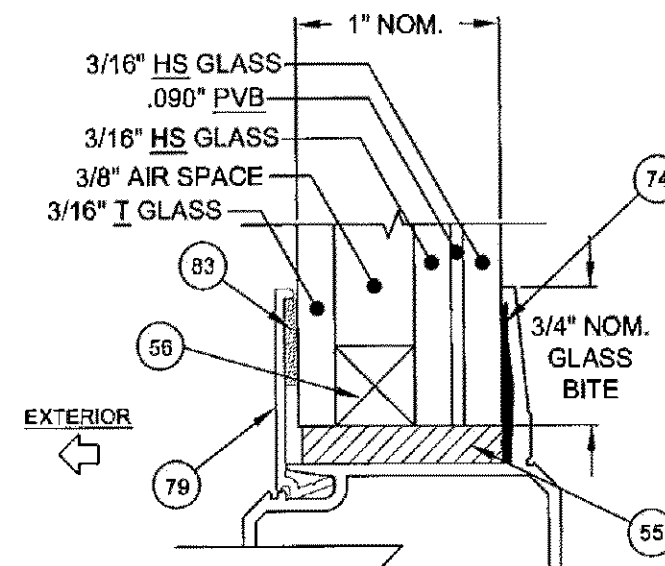
GLAZING DETAILS (G3, G3A, G4, G4A, G5 & G5A)



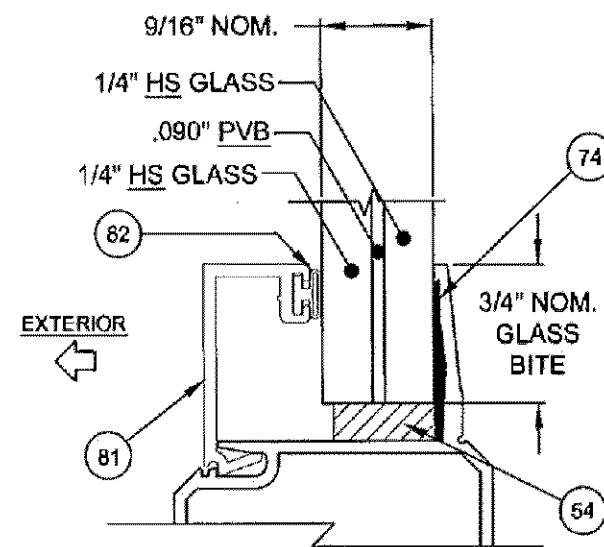
7/16" LAMINATED GLASS, TYPE G3



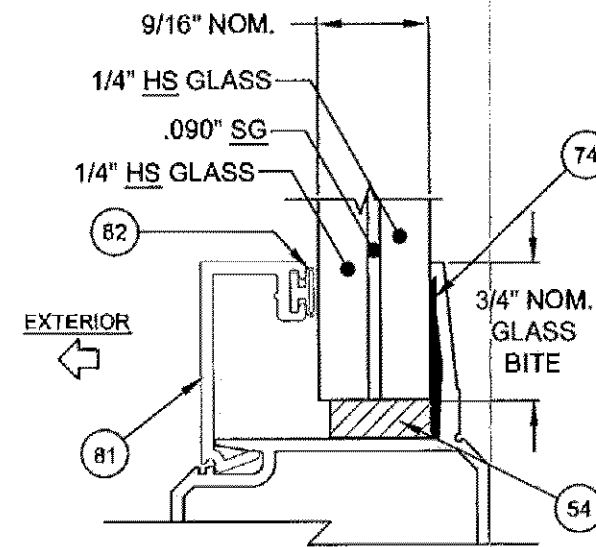
7/16" LAMINATED GLASS, TYPE G4



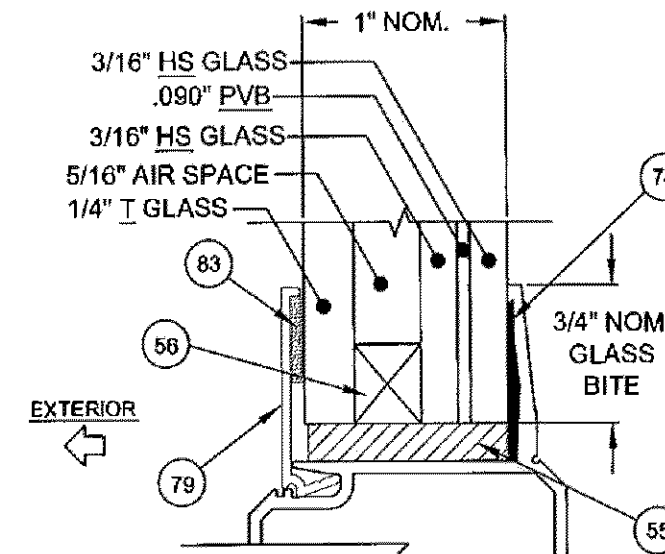
1" LAMINATED I.G. GLASS, TYPE G5



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

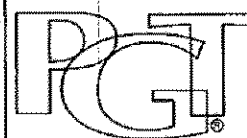
"SG" = DUPONT .090" SENTRYGLAS

Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Drawn By:	Date:	Checked By:	Date:
JR	10/10/14		

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275

(841)-480-1600

CERT. OF AUTH. #29296



Description:

GLAZING DETAILS

Title:

SERIES 770 ALUM. SGD - LM IMPACT

Series/Model:

SGD-770

Scale:

NTS

Sheet:

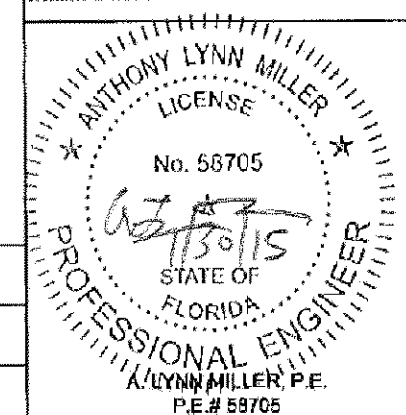
4 of 22

Drawing No.

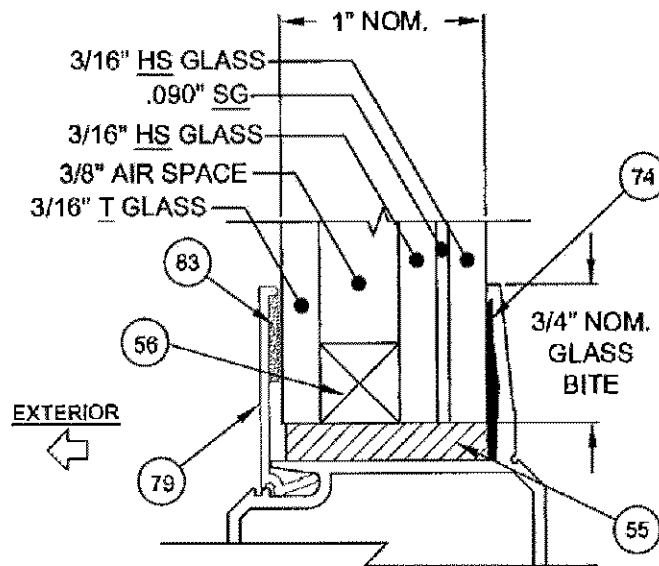
PGT0130

Rev:

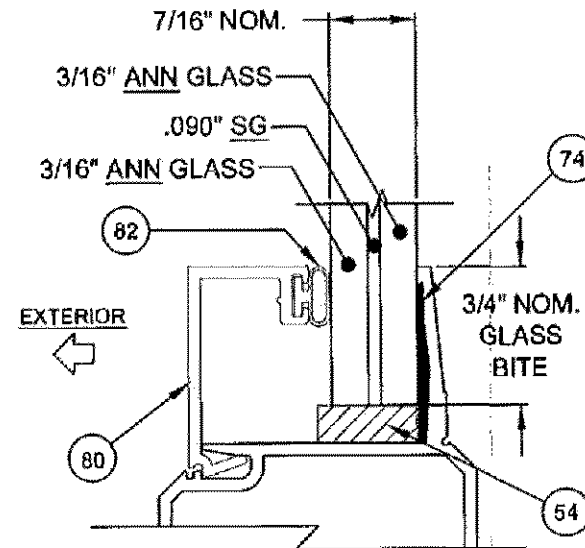
PRODUCT RENEWED
as complying with the Florida
Building Code 14-0128.11
Acceptance No.
Expiration Date 02/17/2020
By: *[Signature]*
Miami Dade Product Control



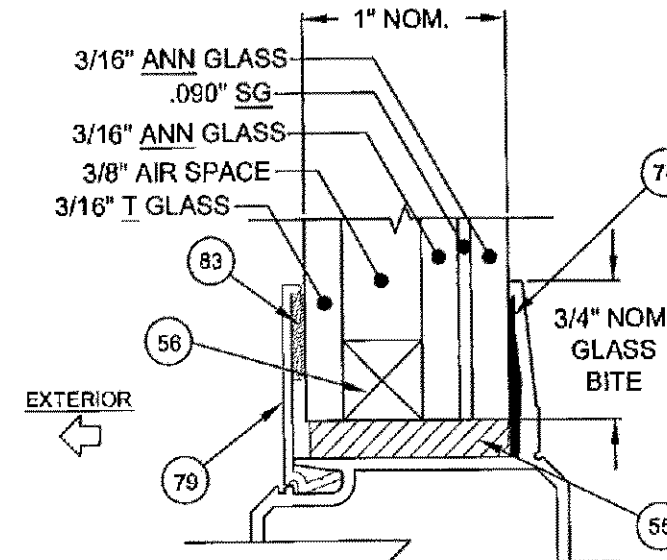
GLAZING DETAILS (G6, G6A, G7, G7A, G8 & G8A)



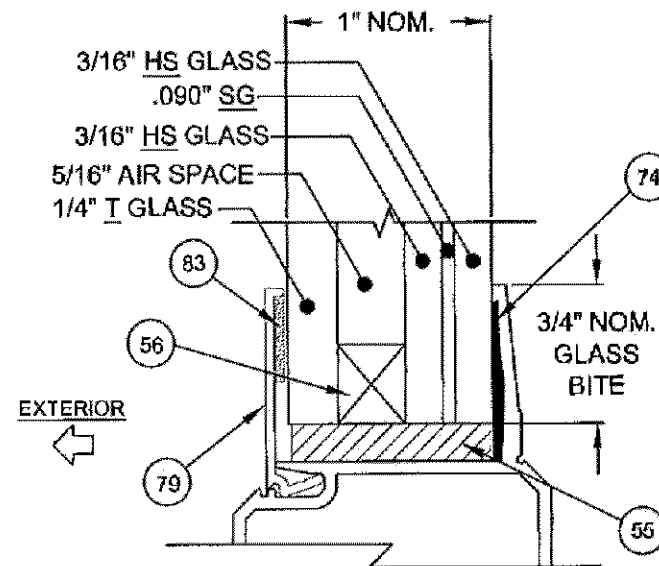
1" LAMINATED I.G. GLASS, TYPE G6



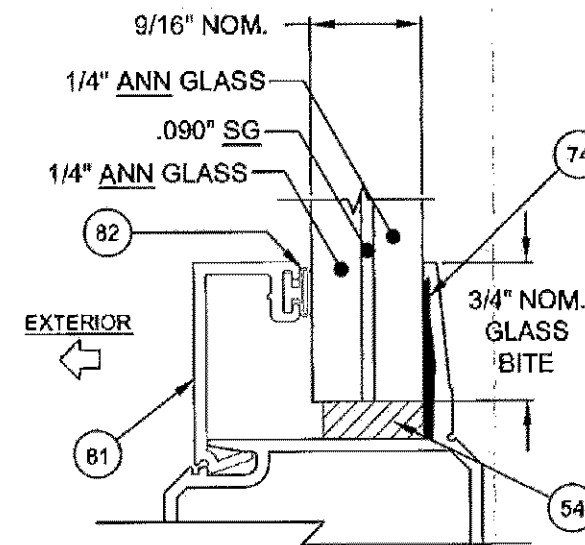
7/16" LAMINATED GLASS, TYPE G7



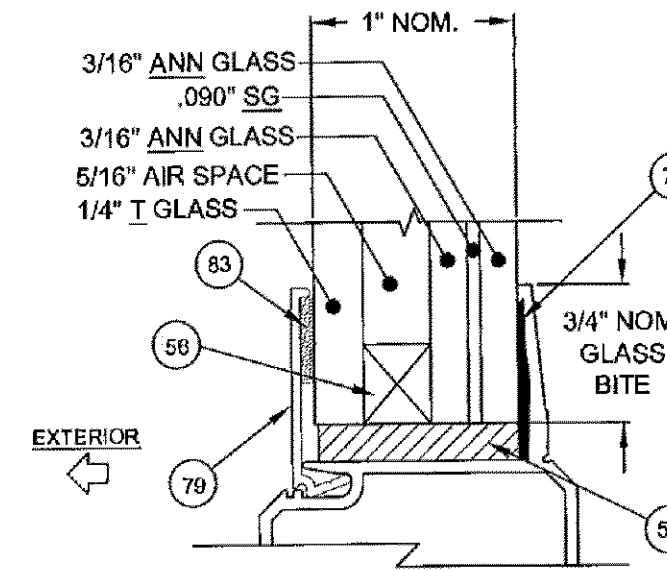
1" LAMINATED I.G. GLASS, TYPE G8



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

Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	10/10/14	

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275

(941)-480-1600

CERT. OF AUTH. #29296



Description:

GLAZING DETAILS

Title:

SERIES 770 ALUM. SGD - LM IMPACT

Series/Model:

SGD-770

Scale:

NTS

Sheet:

5 of 22

Drawing No.

PGT0130

Rev:

PRODUCT RENEWED
As complying with the Florida
Building Code
Acceptance No. 14-0128.11
Expiration Date 02/17/2020

By: *[Signature]*
Miami Dade Product Control

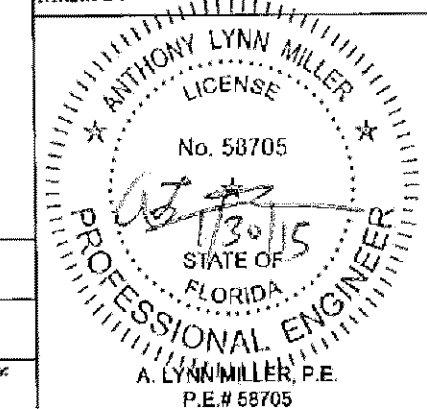


TABLE 1:

Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheets 2 & 3)												Maximum DP for all sizes: +60 / -60 (May be limited by Table 1A)							
For corner astragal anchorage on 90° or 135° corner units, see sheet 11																			
Table applies to Glass Types 3, 3A, 5, 5A, 7, 7A, 8 & 8A and the Stile / Astragal types shown below.												Door Unit Height							
												80"				84"			
												69-7/8" DLO				73-7/8" DLO			
												Anchor Group				Anchor Group			
												1	2	3	4	1	2	3	4
Nominal Panel Width	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
			Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
			P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8
	30"	23" 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
			Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
			P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	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
			Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
			P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	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
			Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
			P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	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
			Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
			P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8

FOR EXAMPLE ON USING TABLE, SEE SHEET 7.

NOTES:

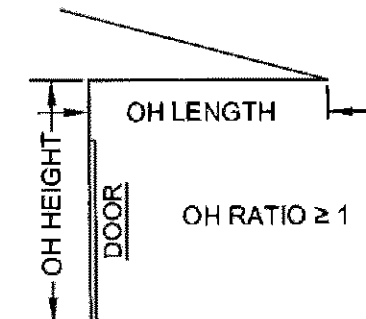
- 1) POSITIVE PRESSURES IN TABLE 1 ARE BASED ON THE USE OF THE 3-1/4" SILL.
- 2) WHEN USING THE 2-1/2" SILL, POSITIVE WATER DP IS 46.67 PSF MAX. WHEN USING THE 3-1/4" SILL, POSITIVE WATER DP IS 60.0 PSF MAX. WHEN USING THE 4" SILL, POSITIVE WATER DP IS 60.0 PSF MAX (NEGATIVE PRESSURES UNCHANGED). SEE TABLE 1A.
- 3) 4", 3-1/4" AND 2-1/2" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS THE 1-1/2" SILL IS NOT AND MUST ONLY BE USED WHERE WATER RESISTANCE IS NOT REQUIRED. MAX. 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 10-14 FOR ANCHORAGE SPACING, EDGE DISTANCE AND EMBEDMENT INFORMATION.
- 5) DOOR 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.

DLO WIDTH =
NOM. PANEL WIDTH - 7"DLO 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 (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

SEE NOTES 1-3



$$\text{OH RATIO} = \frac{\text{OH LENGTH}}{\text{OH HEIGHT}}$$

Interlock	P-hook	Lockstile @ Jamb	Straight Astragal Assembly	Lockstile @ Straight Astragal	90° Astragal Assembly	Lockstile @ 90° Astragal	135° Astragal Assembly	Lockstile @ 135° Astragal
Standard Stiles	Standard Stile	Standard Stile	Standard Stile	Standard Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile
Part #60 (x2)	Part #60	Part #60	Part #60 (Stile) Part #67 (Astragal)	Part #60	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:
JR	10/10/14	

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



Description: DP AND ANCHORAGE			
Title: SERIES 770 ALUM. SGD - LM IMPACT			
Series/Model: SGD-770	Scale: NTS	Sheet: 6 of 22	Drawing No.: PGT0130
Rev:			

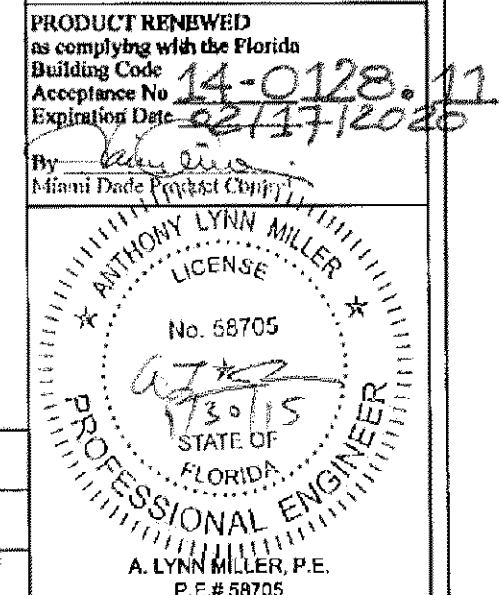


TABLE 2:

TABLE 2:		Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheets 2 & 3)																												Maximum 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.				Door Unit Height																																			
				80"				84"				90"				96"				102"				108"				114"				120"							
				69-7/8" DLO				73-7/8" DLO				79-7/8" DLO				85-7/8" DLO				91-7/8" DLO				97-7/8" DLO				103-7/8" DLO				109-7/8" DLO							
				Anchor Group				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	1	2	3	4	1	2	3	4				
Nominal Panel Width	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	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1					
			Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10				
			P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10			
	30"	23" 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	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1				
			Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10				
			P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10			
	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	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1				
			Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10				
			P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10			
	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	C4+1	C4+1	C4+1	C4+1	C4+1	C5+1	C5+1	C4+1	C4+1	C5+1	C5+1	
			Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10			
			P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10		
	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	C4+2	C4+2	C4+2	C4+2	C5+2	C5+2	C4+2	C5+2	C5+2	C5+2	C5+2	C5+2
			Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
			P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	9+10	
	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	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	
			Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
			P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	
80"	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	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		
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		P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8		
Not available in these sizes																																							

Not available in these sizes

NOTES:

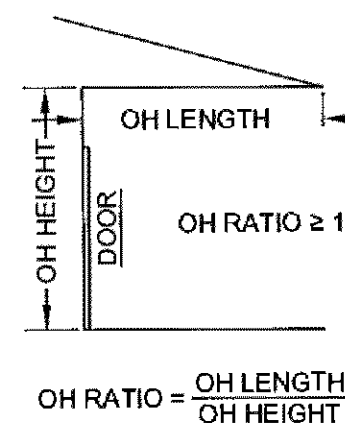
- 1) POSITIVE PRESSURES IN TABLE 2 ARE BASED ON THE USE OF THE 3-1/4" SILL.
- 2) WHEN USING THE 2-1/2" SILL, POSITIVE WATER DP IS 46.67 PSF MAX. WHEN USING THE 3-1/4" SILL, POSITIVE WATER DP IS 60.0 PSF MAX. WHEN USING THE 4" SILL, POSITIVE WATER DP IS 60.0 PSF MAX (NEGATIVE PRES. UNCHANGED). SEE TABLE 2A.
- 3) 4", 3-1/4" AND 2-1/2" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS THE 1-1/2" SILL IS NOT AND MUST ONLY BE USED WHERE WATER RESISTANCE IS NOT REQUIRED. MAX. POSITIVE DESIGN PRESSURES SHOWN IN TABLE 2 MAY BE USED WHEN THE DOOR IS PROTECTED BY AN OVERHANG COMPLYING WITH THE CURRENT FBC (SEE ADJACENT DIAGRAM); THIS CONDITION IS NOT RATED FOR WATER INFILTRATION.
- 4) SEE SHEETS 10-14 FOR ANCHORAGE SPACING, EDGE DISTANCE AND EMBEDMENT INFORMATION.
- 5) DOOR 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.

○ = EXAMPLE ON SHEET 9

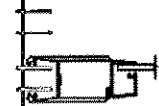
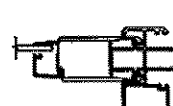
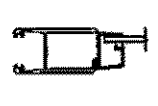
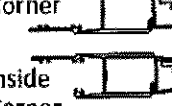
TABLE 2A:

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

SEE NOTES 1-3

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

THE FOLLOWING STILE & ASTRAGAL TYPES SHALL BE USED FOR TABLE 2, SEE SHEETS 21 & 22 FOR PART DIMENSIONS AND SHEETS 18 & 19 FOR ASSEMBLY DETAILS.

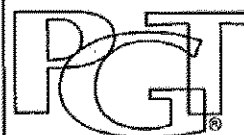
Interlock	P-hook	Lockstile @ Jamb	Straight Astragal Assembly	Lockstile @ Straight Astragal	90° Astragal Assembly	Lockstile @ 90° Astragal	135° Astragal Assembly	Lockstile @ 135° Astragal
Heavy-duty Stiles	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile
								
Part #61 (x2)	Part #61	Part #61	Part #61 (Stile) Part #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:
JR	10/10/14	

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275

(841)-480-1800

CERT. OF AUTH. #29296



Description:

DP AND ANCHORAGE

Title:

SERIES 770 ALUM. SGD - LM IMPACT

Series/Model:

SGD-770

Scale:

NTS

Sheet:

7 of 22

Drawing No.

PGT0130

Rev:

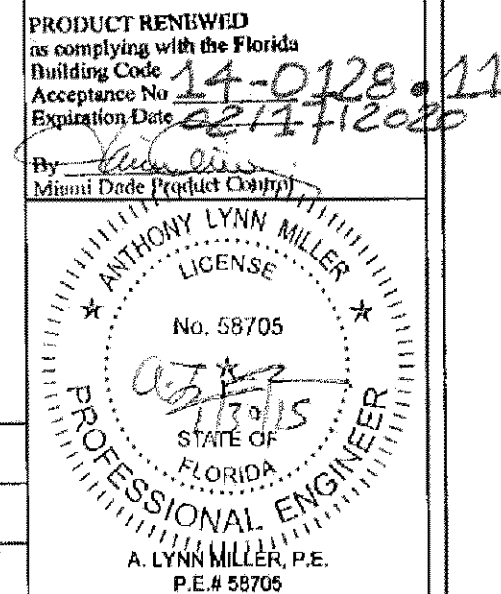


TABLE 3:

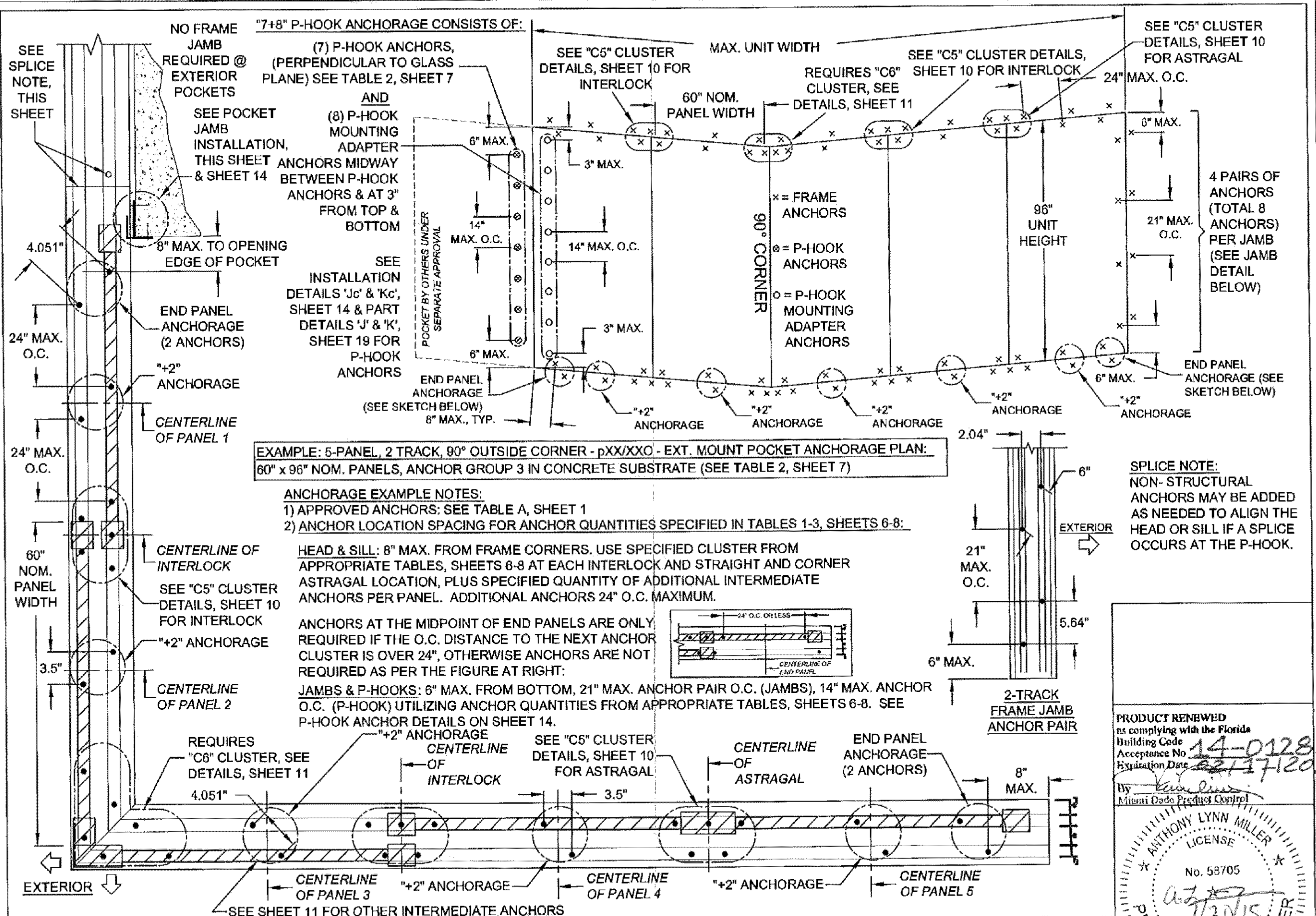
Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheets 2 & 3)																			Maximum DP shown below (May be limited by Table 3A)																							
Table applies to Glass Types 4, 4A, 6, 6A, 7, 7A, 8 & 8A and the Stile / Astragal types shown below.																			Door Unit Height																							
																			80"				84"				90"				96"				102"				108"			
																			69-7/8" DLO				73-7/8" DLO				79-7/8" DLO				85-7/8" DLO				91-7/8" DLO				97-7/8" DLO			
																			Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group			
		1	2	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	24"	17" DLO	Design Pressure	+/-90.0 psf																+/-82.5 psf				+/-75.0 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	C4+1																
			Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	10	10	10	10	10	10	10	10															
			P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9															
	30"	23" DLO	Design Pressure	+/-90.0 psf																+/-82.5 psf				+/-75.0 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	C4+1																
			Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	10	10	10	10	10	10	10	10															
			P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9															
	36"	29" DLO	Design Pressure	+/-90.0 psf																+/-82.5 psf				+/-75.0 psf																		
			Head/Sill	C4+1	C4+1	C4+2	C4+2	C4+1	C4+1	C4+2	C4+2	C4+1	C5+2	C5+2	C4+1	C4+1	C5+2	C5+2	C4+1	C4+1	C5+1	C5+1	C4+1	C4+1	C5+1	C5+1																
			Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	10	8	10	10	10	10	10	10	10															
			P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9															
	42"	35" DLO	Design Pressure	+/-90.0 psf																+/-82.5 psf				+/-75.0 psf																		
			Head/Sill	C4+2	C4+2	C4+2	C4+2	C4+2	C4+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	C5+2	C5+2																
			Jamb	8	8	8	8	8	8	8	8	8	10	8	8	8	8	10	8	10	10	10	10	10	10	10																
			P-hook	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9															
	48"	41" DLO	Design Pressure	+/-90.0 psf												See Note A below.				+/-82.5 psf				+/-75.0 psf																		
			Head/Sill	C4+2	C4+2	C5+2	C5+2	C4+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C6+2	C6+2	C5+2	C5+2	C6+2	C6+2	C5+2	C5+2	C6+2	C6+2															
			Jamb	8	8	8	8	8	8	10	8	8	8	10	8	8	8	10	8	10	10	10	10	10	10	10	10															
			P-hook	6+7	7+8	7+8	7+8	7+8	7+8	8+9	8+9	8+9	8+9	8+9	8+9	8+9	8+9	9+10	9+10	9+10	8+9	9+10	9+10	9+10	8+9	9+10	9+10	9+10														

FOR EXAMPLE ON USING TABLE, SEE SHEET 7.

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

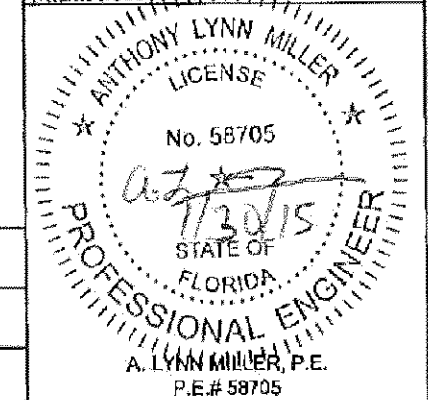
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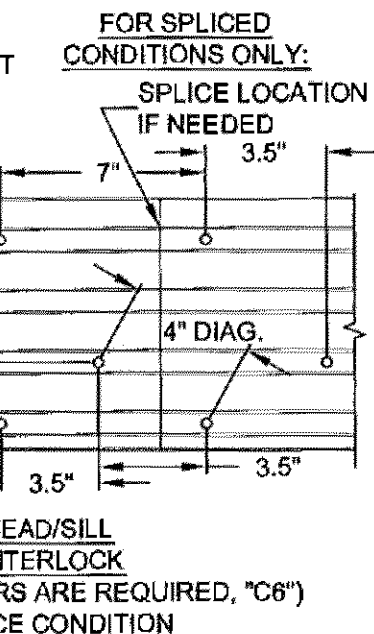
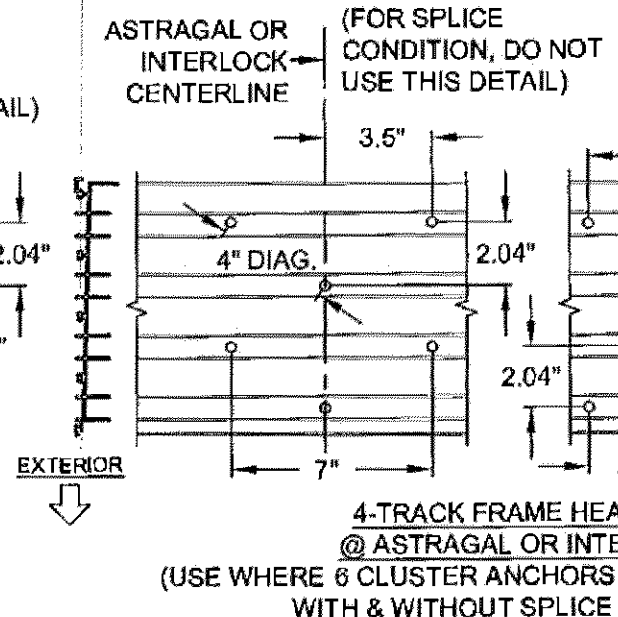
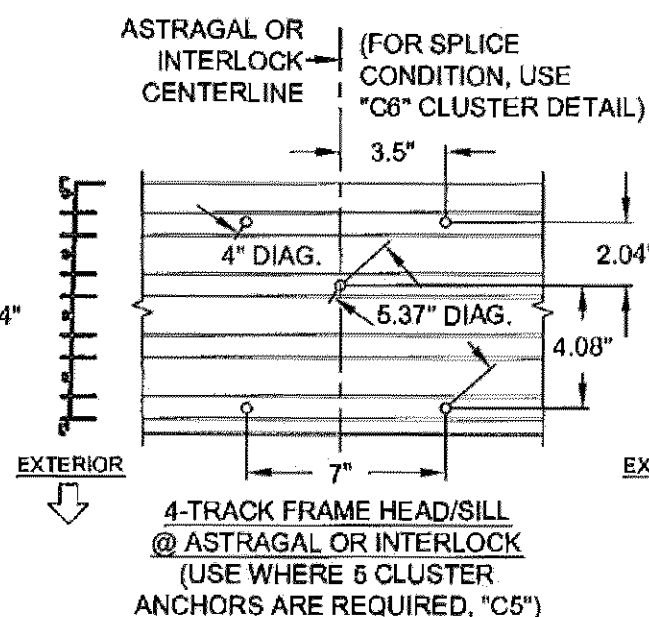
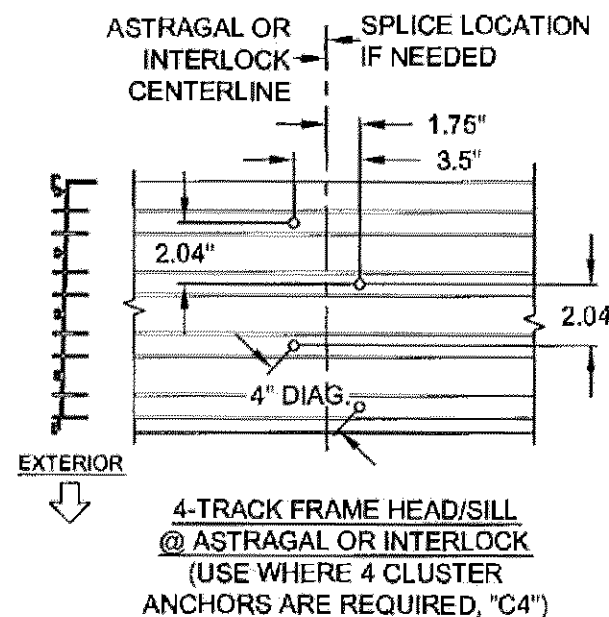
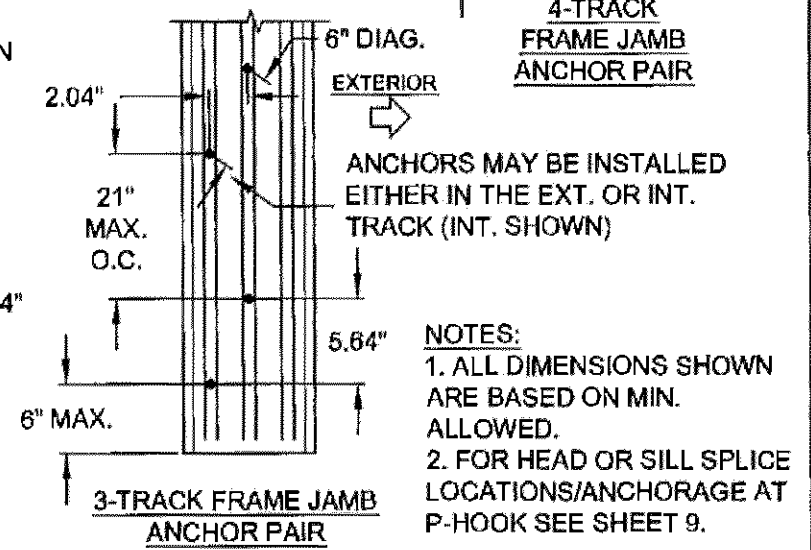
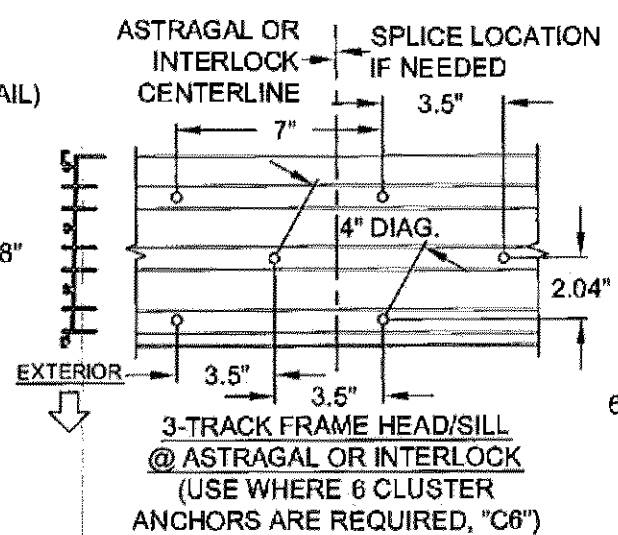
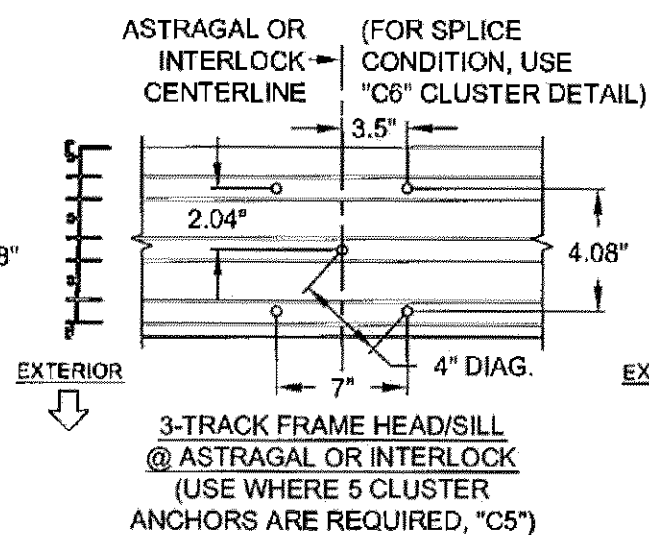
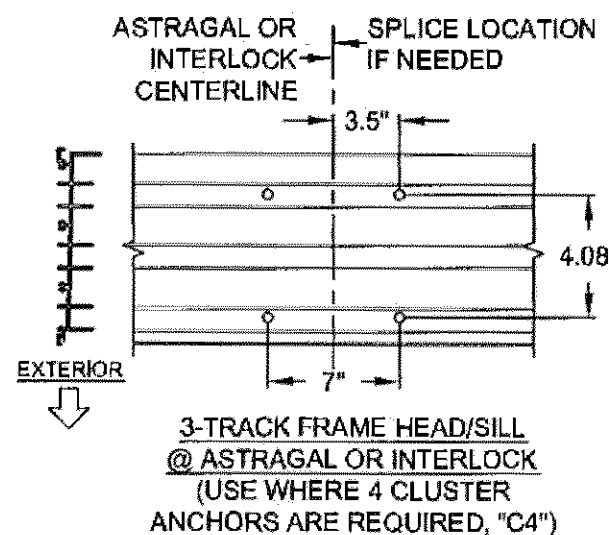
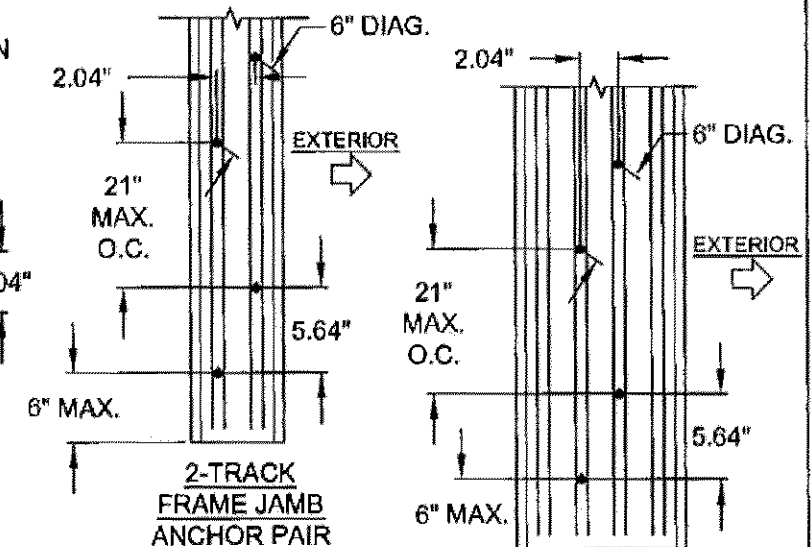
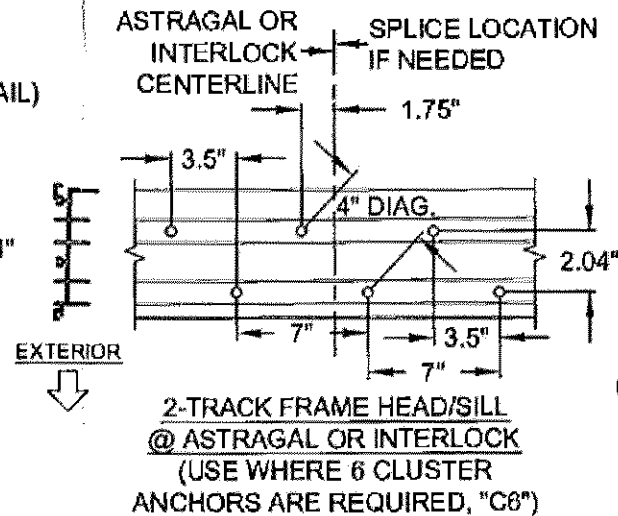
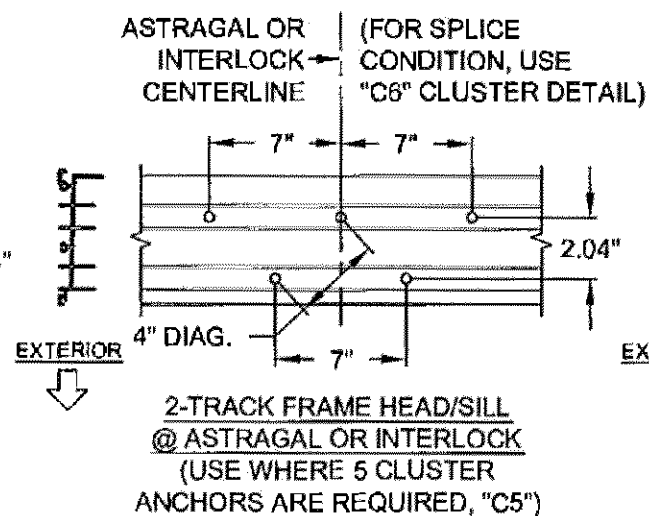
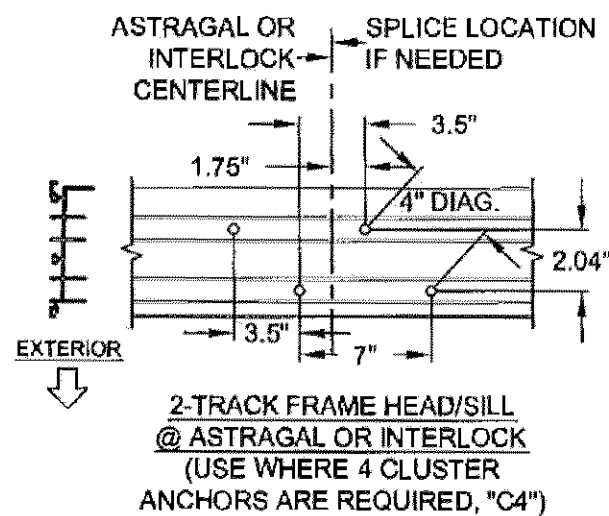
- 1) POSITIVE PRESSURES IN TABLE 3 ARE BASED ON THE USE OF THE 4" SILL.
- 2) WHEN USING THE 2-1/2" SILL, POSITIVE WATER DP IS 46.67 PSF MAX. WHEN USING THE 3-1/4" SILL, POSITIVE WATER DP IS 60.0 PSF MAX. WHEN USING THE 4" SILL, POSITIVE WATER DP IS 90.0 PSF MAX (NEGATIVE PRESSURES UNCHANGED). SEE TABLE 3A.
- 3) 4", 3-1/4" AND 2-1/2" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS THE 1-1/2" SILL IS NOT AND MUST ONLY BE USED WHERE WATER RESISTANCE IS NOT REQUIRED. MAX. POSITIVE DESIGN PRESSURES SHOWN IN TABLE 3 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 10-14 FOR ANCHORAGE SPACING, EDGE DISTANCE AND EMBEDMENT INFORMATION.
- 5) DOOR 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.



Revised By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941)-480-1600	PGT	Description: ANCHORAGE SPACING & EXAMPLE PLANS	Series/Model: SGD-770	Scale: NTS	Sheet: 9 of 22	Drawing No. PGT0130	Rev:
Revised By:	Date:	Revisions:									
Revised By:	Date:	Revisions:									
Revised By:	Date:	Revisions:									
Drawn By: JR	Date: 10/10/14	Checked By:	Date:		CERT. OF AUTH. #29296	150r SERIES 770 ALUM. SGD - LM IMPACT					

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 14-0128.14
Expiration Date 02/17/2020
By: *Anthony Lynn Miller*
Miami Dade Product Control





- NOTES:**
1. ALL DIMENSIONS SHOWN ARE BASED ON MIN. ALLOWED.
 2. FOR HEAD OR SILL SPLICE LOCATIONS/ANCHORAGE AT P-HOOK SEE SHEET 9.

Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Drawn By:	Date:	Checked By:	Date:
JR	10/10/14		

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1800
CERT. OF AUTH. #29296



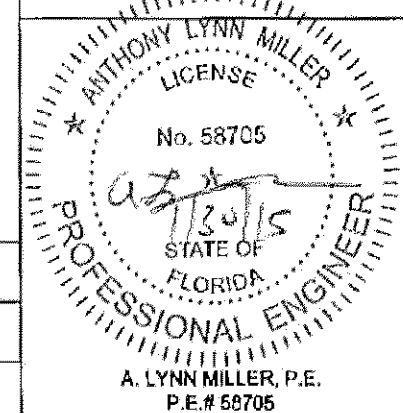
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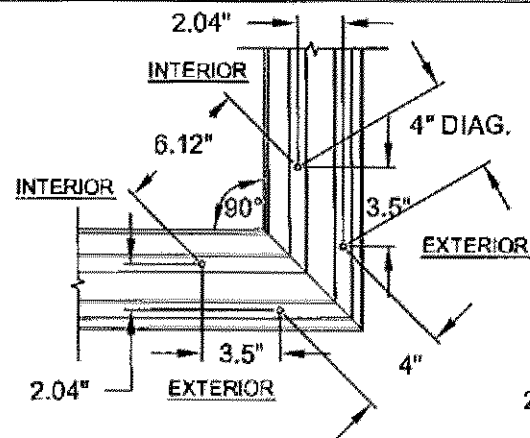
Title: **SERIES 770 ALUM. SGD - LM IMPACT**

Series/Model: SGD-770 Scale: NTS Sheet: 10 of 22 Drawing No. PGT0130 Rev:

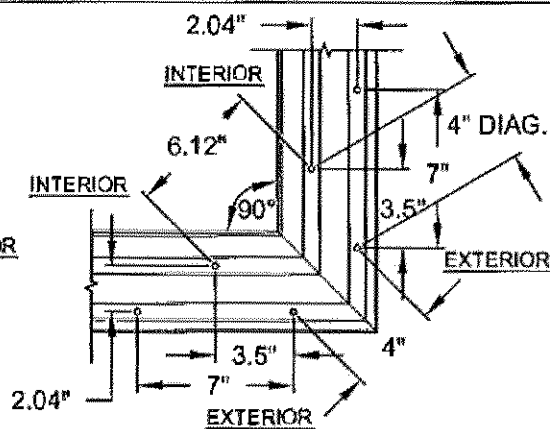
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 14-0128-11
Expiration Date 02/12/2020

By: *Anthony Lynn Miller*
Miami Dade Product Control

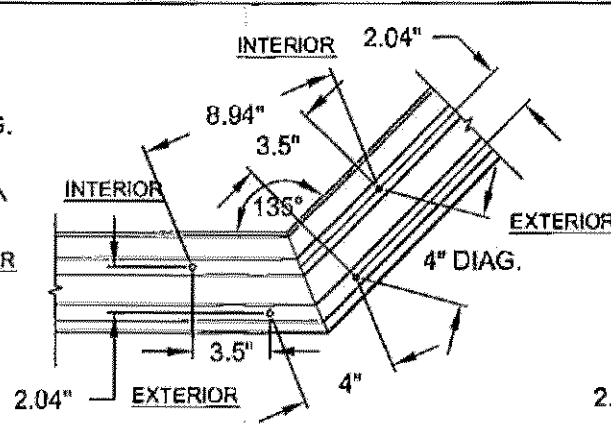




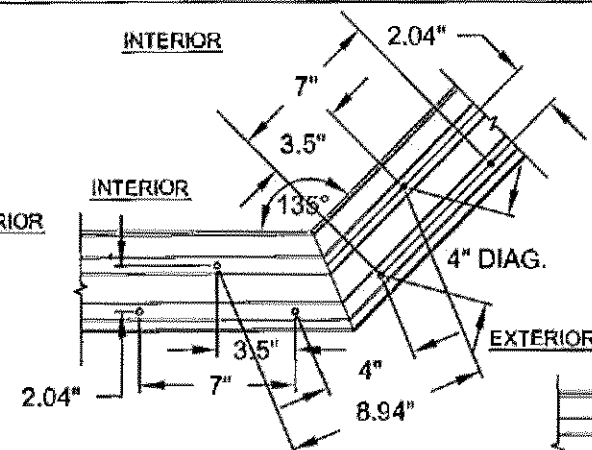
90° CORNER
2-TRACK FRAME HEAD/SILL
(USE WHERE 4 CLUSTER
ANCHORS ARE REQUIRED, "C4")



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

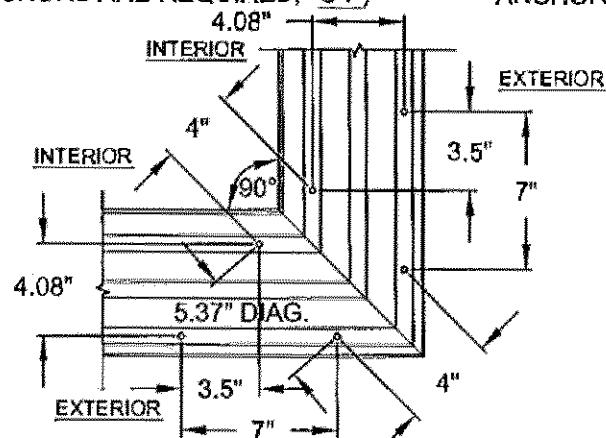
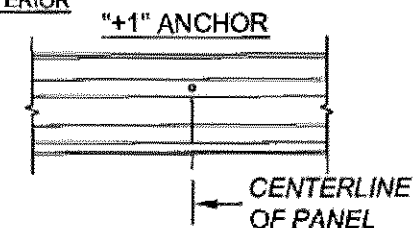


135° CORNER
2-TRACK FRAME HEAD/SILL
(USE WHERE 4 CLUSTER
ANCHORS ARE REQUIRED, "C4")

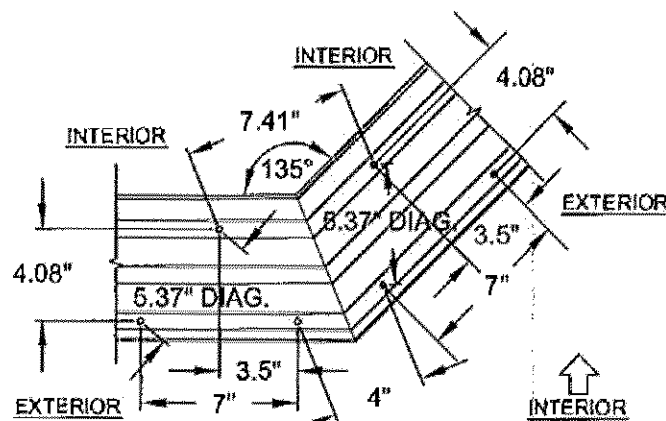


135° CORNER
2-TRACK FRAME HEAD/SILL
(USE WHERE 5 OR 6 CLUSTER
ANCHORS ARE REQUIRED, "C6")

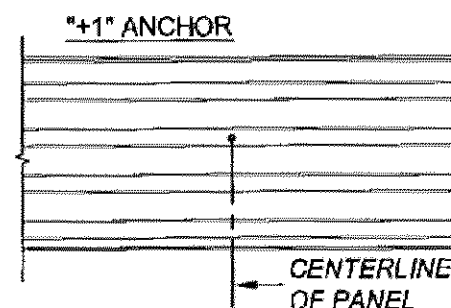
NOTES:
1. ALL DIMENSIONS SHOWN
ARE BASED ON MINIMUM
ALLOWED.
2. DETAILS DEPICT ANCHOR
QUANTITY AND SPACING,
AND WOULD BE IDENTICAL
FOR EXTERIOR OR INTERIOR
CORNER CONFIGURATIONS.



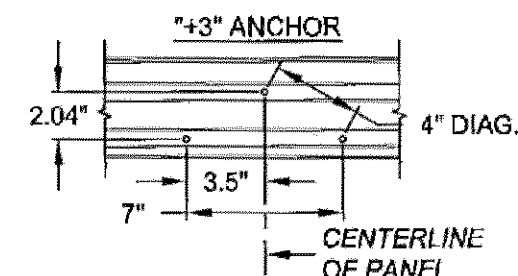
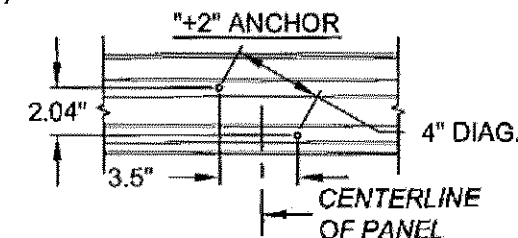
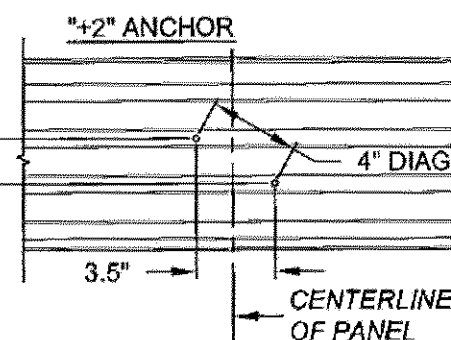
90° CORNER
3-TRACK FRAME HEAD/SILL
("C6" ANCHOR CLUSTER REQUIRED
AT ALL 3-TRACK CORNERS)



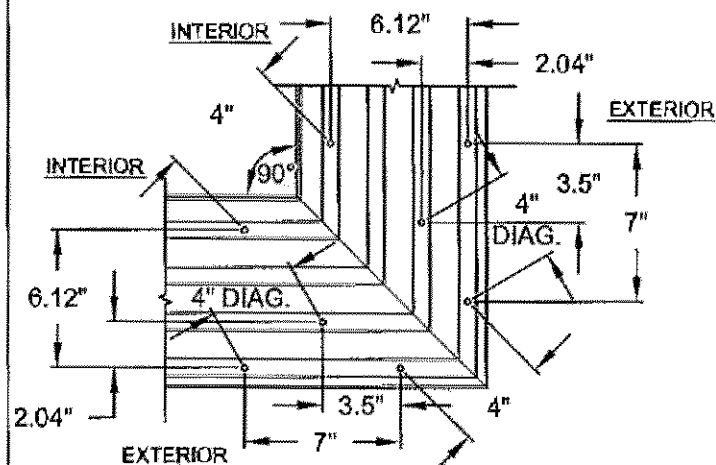
135° CORNER
3-TRACK FRAME HEAD/SILL
("C6" ANCHOR CLUSTER REQUIRED
AT ALL 3-TRACK CORNERS)



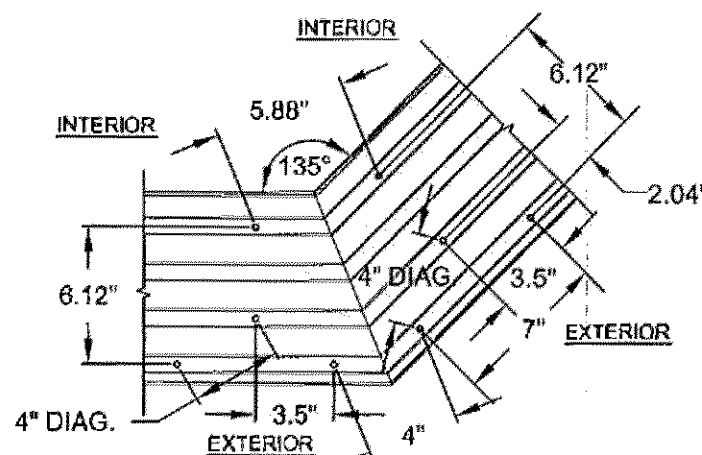
ON
ALL
VIEWS



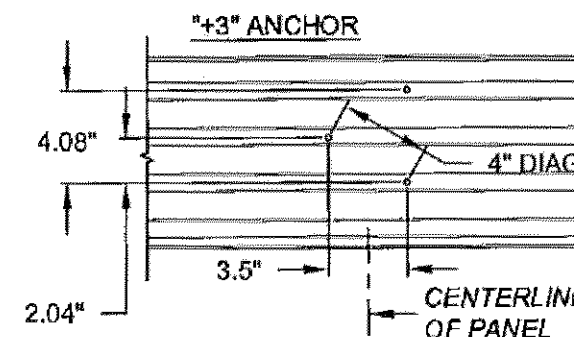
**2-TRACK FRAME HEAD/SILL
INTERMEDIATE ANCHOR LAYOUT**



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

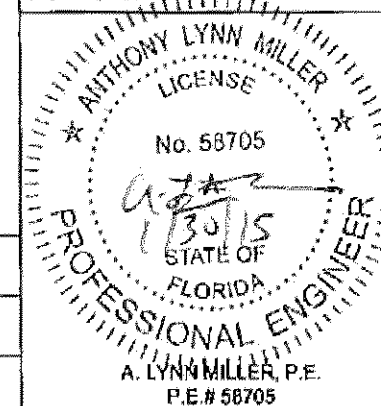


135° CORNER
4-TRACK FRAME HEAD/SILL
("C8" ANCHOR CLUSTER REQUIRED
AT ALL 4-TRACK CORNERS)



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

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 14-0128.11
Expiration Date 02/27/2020
By *Valerie Davis*
Miami Dade Product Control



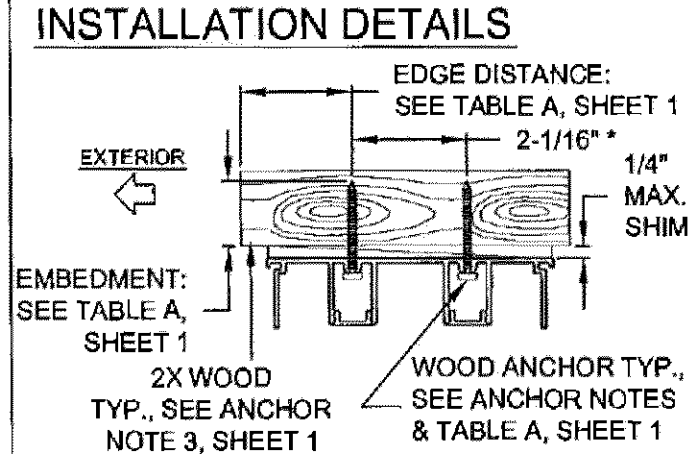
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	10/10/14	

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1800
CERT. OF AUTH. #29296

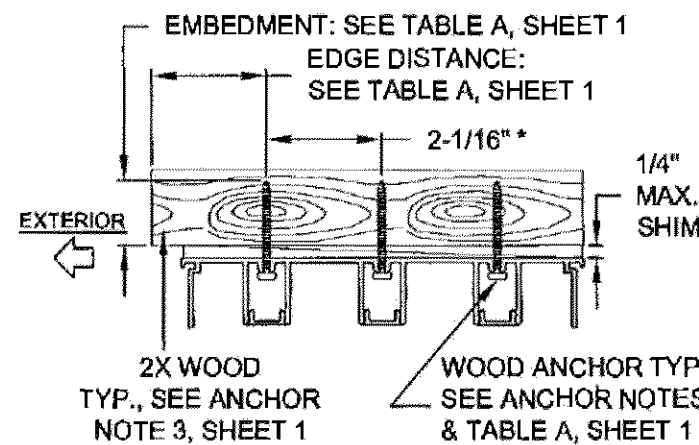


Description:
ANCHORAGE, EXAMPLE CLUSTERS
Title:
SERIES 770 ALUM. SGD - LM IMPACT
Series/Model:
SGD-770
Scale:
NTS
Sheet:
11 of 22
Drawing No.
PGT0130
Rev:

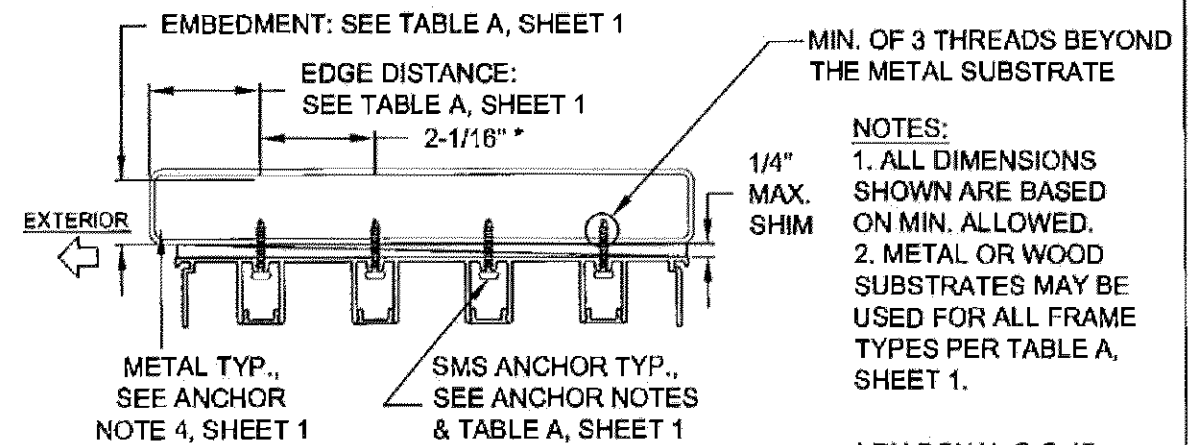
INSTALLATION DETAILS



DET Aw 2-TRACK FRAME HEAD WOOD INSTALLATION

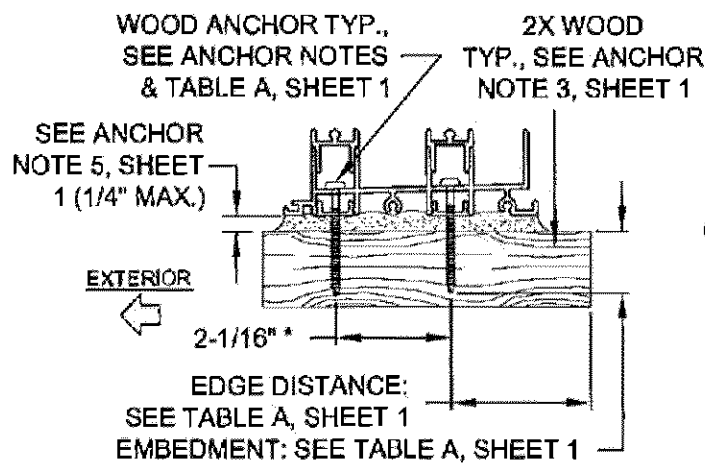


DET Bw 3-TRACK FRAME HEAD WOOD INSTALLATION

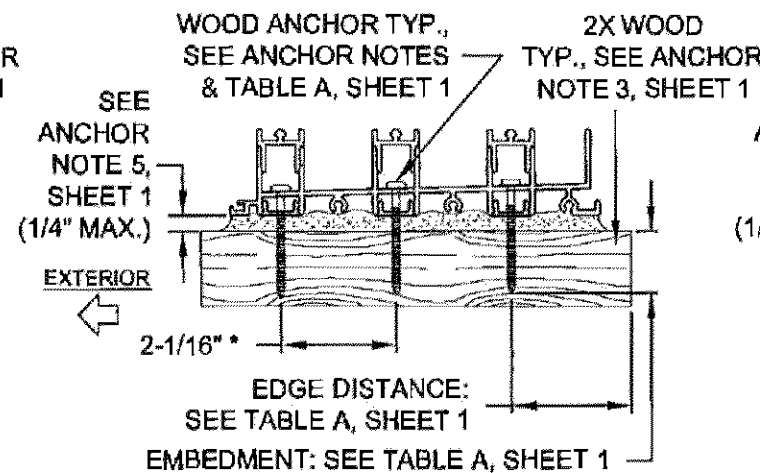


DET Cw 4-TRACK FRAME HEAD METAL INSTALLATION

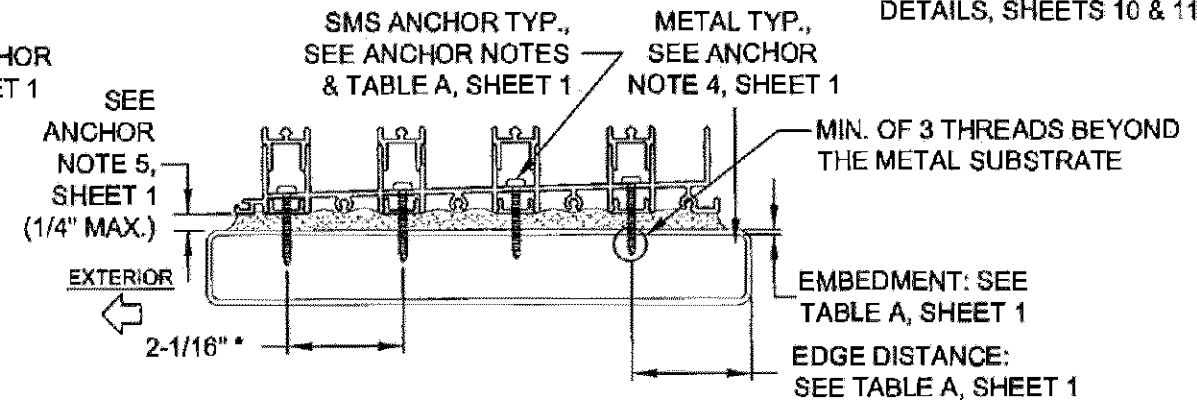
NOTES:
 1. ALL DIMENSIONS SHOWN ARE BASED ON MIN. ALLOWED.
 2. METAL OR WOOD SUBSTRATES MAY BE USED FOR ALL FRAME TYPES PER TABLE A, SHEET 1.
 * DIAGONAL O.C. IS MIN 4" (HEAD & SILL) OR 6" (JAMB) SEE DETAILS, SHEETS 10 & 11.



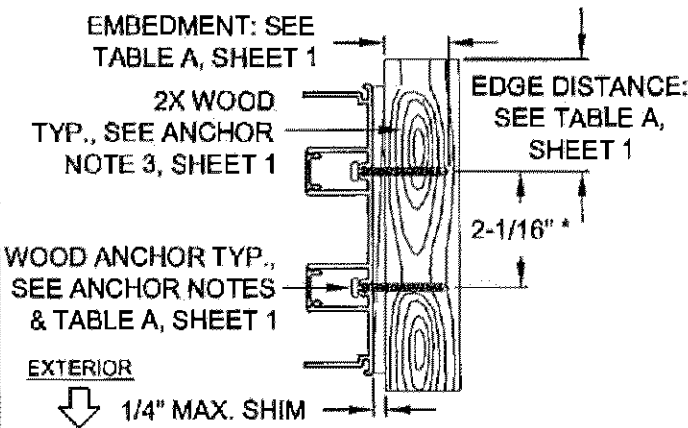
DET Dw 2-TRACK FRAME SILL WOOD INSTALLATION



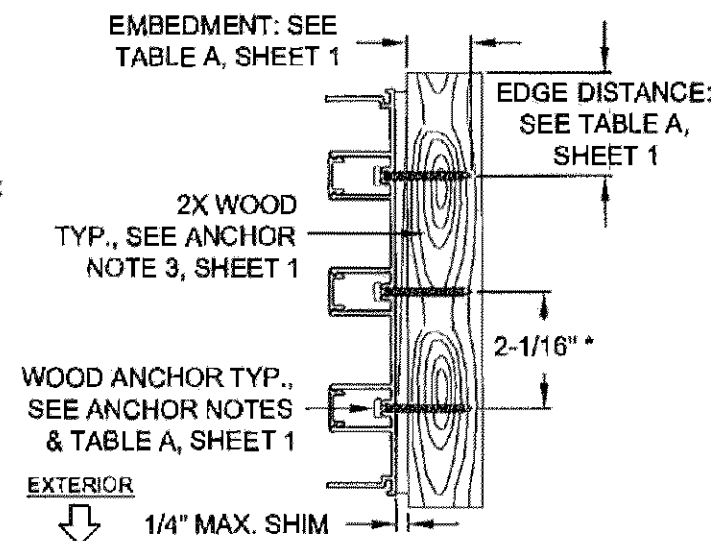
DET Ew 3-TRACK FRAME SILL WOOD INSTALLATION



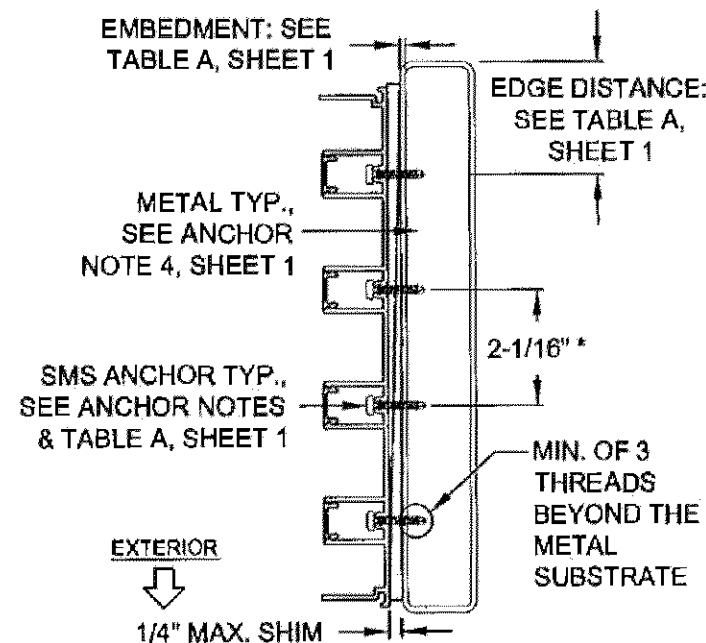
DET Fw 4-TRACK FRAME SILL METAL INSTALLATION



DET Gw 2-TRACK FRAME JAMB WOOD INSTALLATION



DET Hw 3-TRACK FRAME JAMB WOOD INSTALLATION



DET Iw 4-TRACK FRAME JAMB METAL INSTALLATION

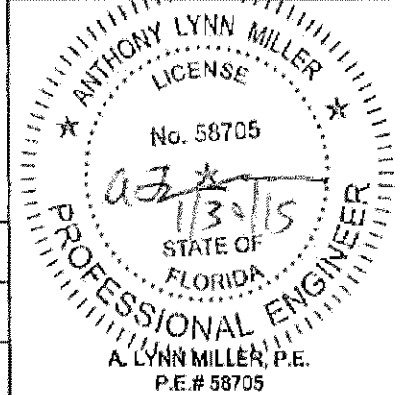
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	10/10/14	

1070 TECHNOLOGY DRIVE
 N. VENICE, FL 34275
 (941)-480-1800
 CERT. OF AUTH. #20208

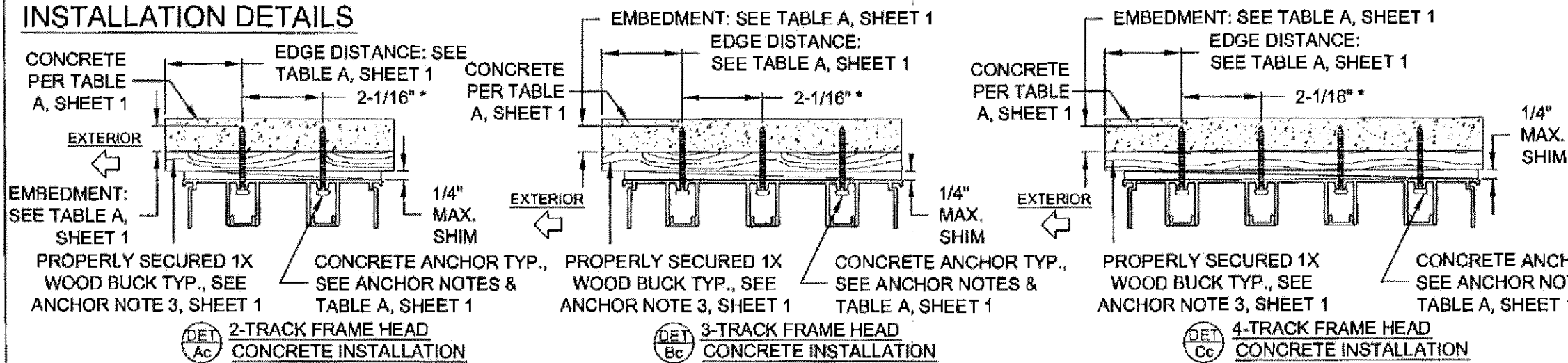


Description: ANCHORAGE DETAILS			
Title: SERIES 770 ALUM. SGD - LM IMPACT			
Series/Model: SGD-770	Scale: NTS	Sheet: 12 of 22	Drawing No: PGT0130

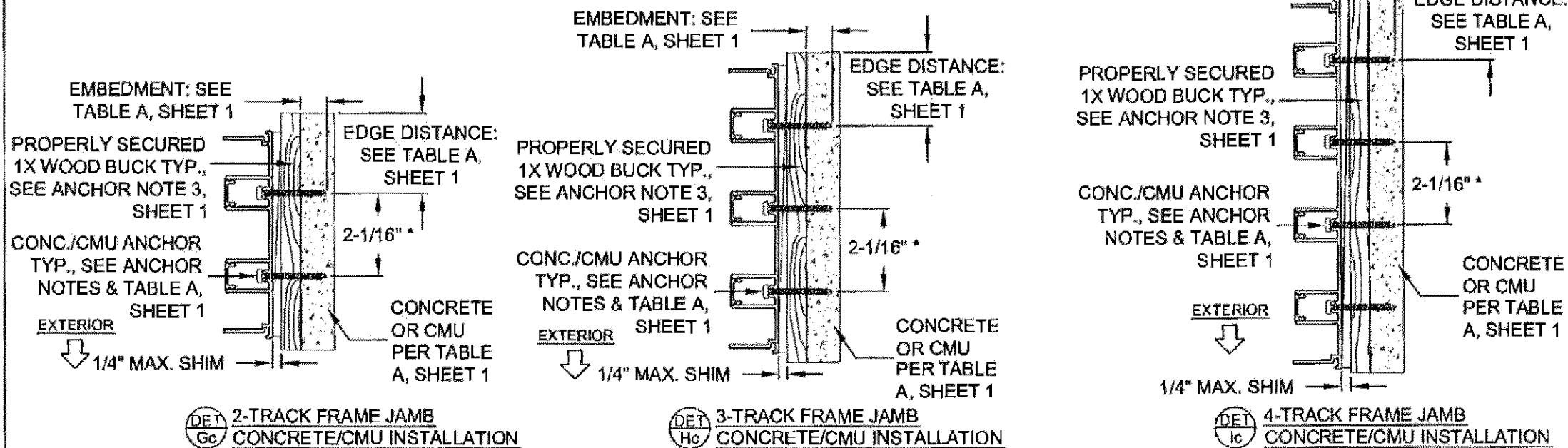
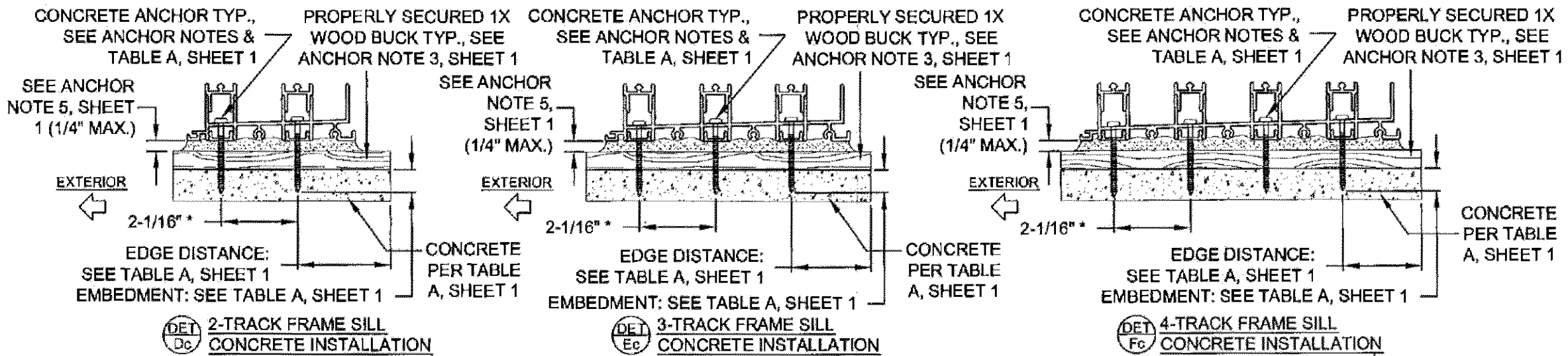
PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 14-0128-11
 Expiration Date 08/17/2020
 By: [Signature]
 Miami Dade Product Control



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.



PRODUCT RENEWED
 as complying with the Florida Building Code
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 Expiration Date 02/17/2020
 By: [Signature]
 Miami Dade Product Control

ANTHONY LYNN MILLER
 LICENSE
 No. 58705
 03/13/15
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.# 58705

Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	10/10/14	

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



Description: ANCHORAGE DETAILS			
Title: SERIES 770 ALUM. SGD - LM IMPACT			
Series/Model: SGD-770	Scale: NTS	Sheet: 13 of 22	Drawing No.: PGT0130

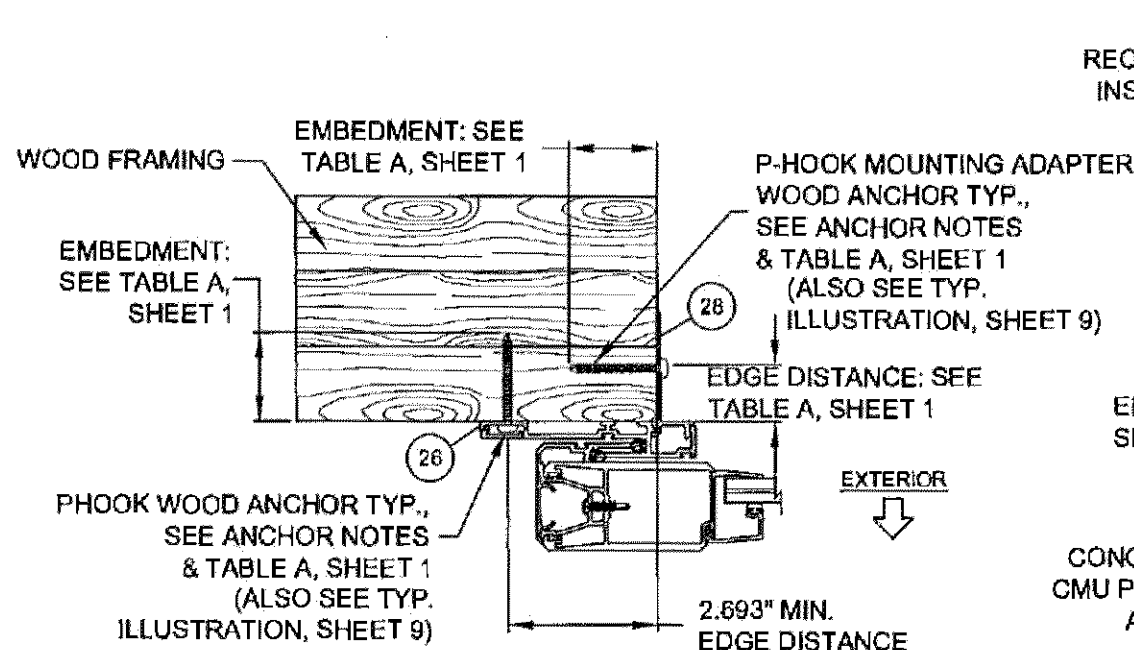
INSTALLATION DETAILS

NOTES:

1. ALL DIMENSIONS SHOWN ARE BASED ON MIN. ALLOWED.

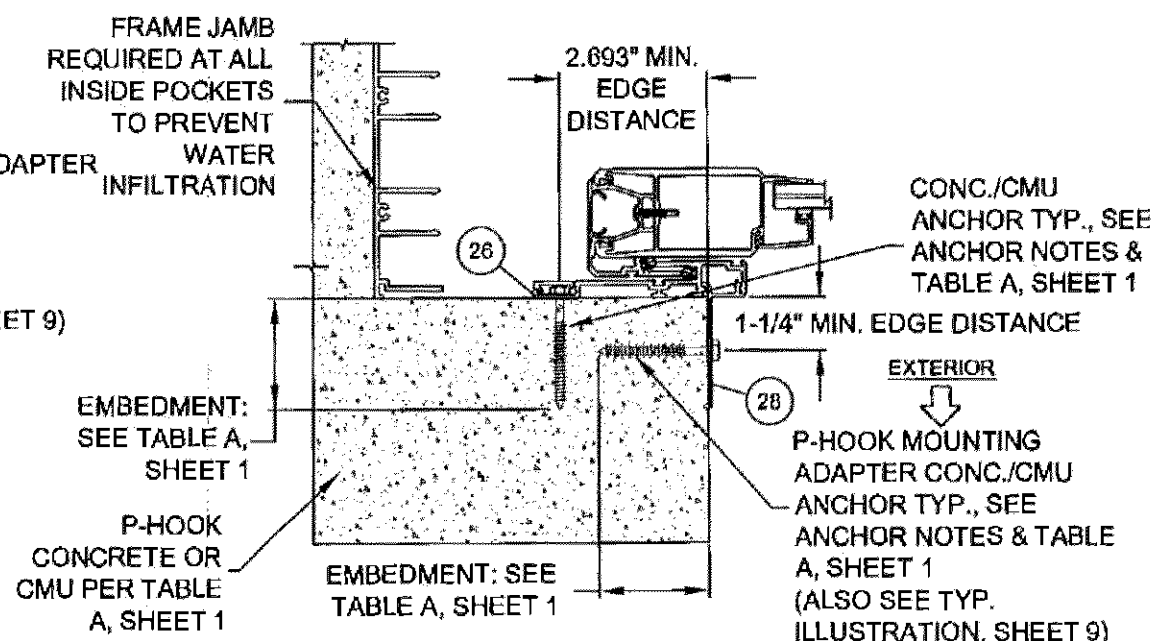
2. FIGURES ON THIS SHEET ARE FOR ILLUSTRATIVE PURPOSES ONLY. SEE TABLE A, SHEET 1 FOR ALL APPROVED SUBSTRATES.

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.



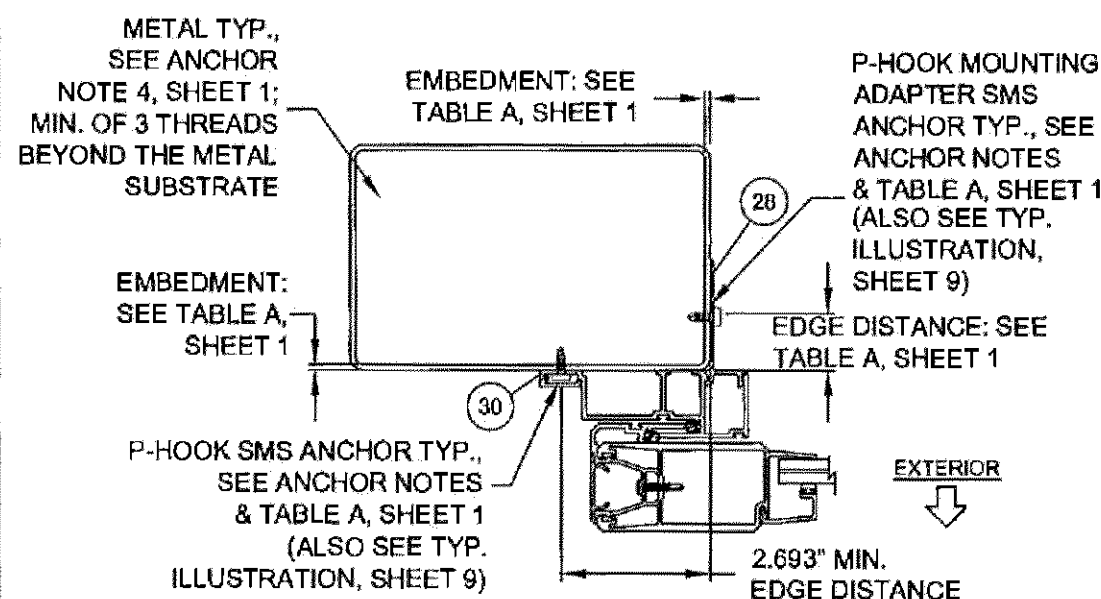
DET JW P-HOOK FOR USE WITH FLAT SILL RISERS
PARTS #18, #20, #22 OR #24,
WOOD INSTALLATION
(SEE TABLES 1A, 2A & 3A
FOR WATER RATINGS)

EXTERIOR MOUNT SHOWN,
MAY ALSO BE INSTALLED IN
INTERIOR CONDITION



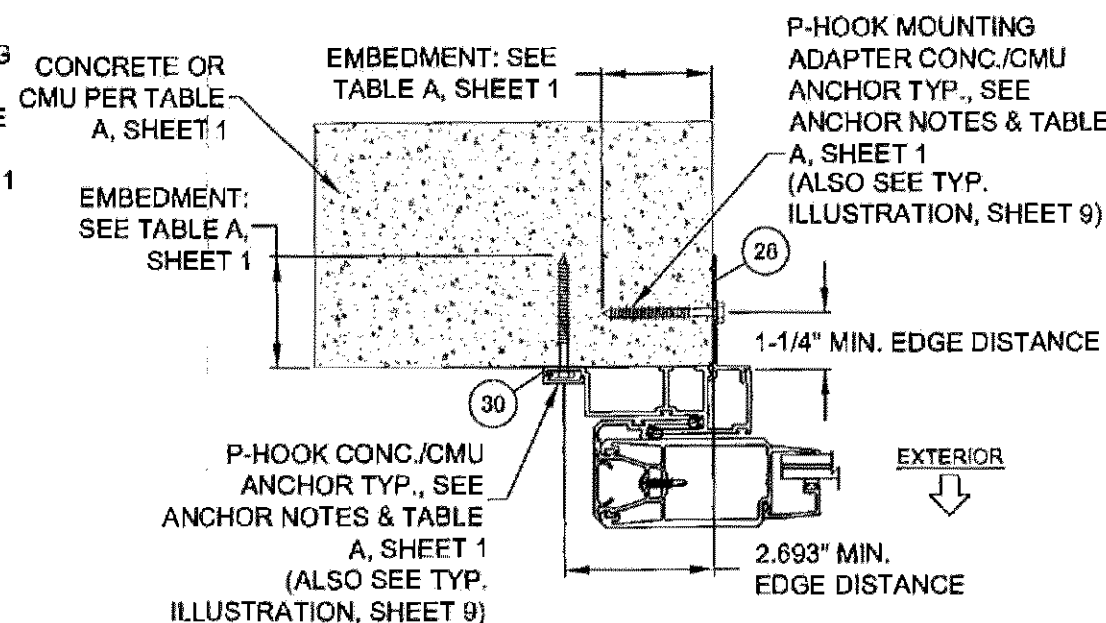
DET JC P-HOOK FOR USE WITH FLAT SILL RISERS
PARTS #18, #20, #22 OR #24,
CONCRETE/CMU INSTALLATION
(SEE TABLES 1A, 2A & 3A
FOR WATER RATINGS)

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

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 14-0128.11
Expiration Date 02/17/2020
By: *[Signature]*
Miami Dade Product Control

ANTHONY LYNN MILLER
LICENSE
No. 58705
1/30/15
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

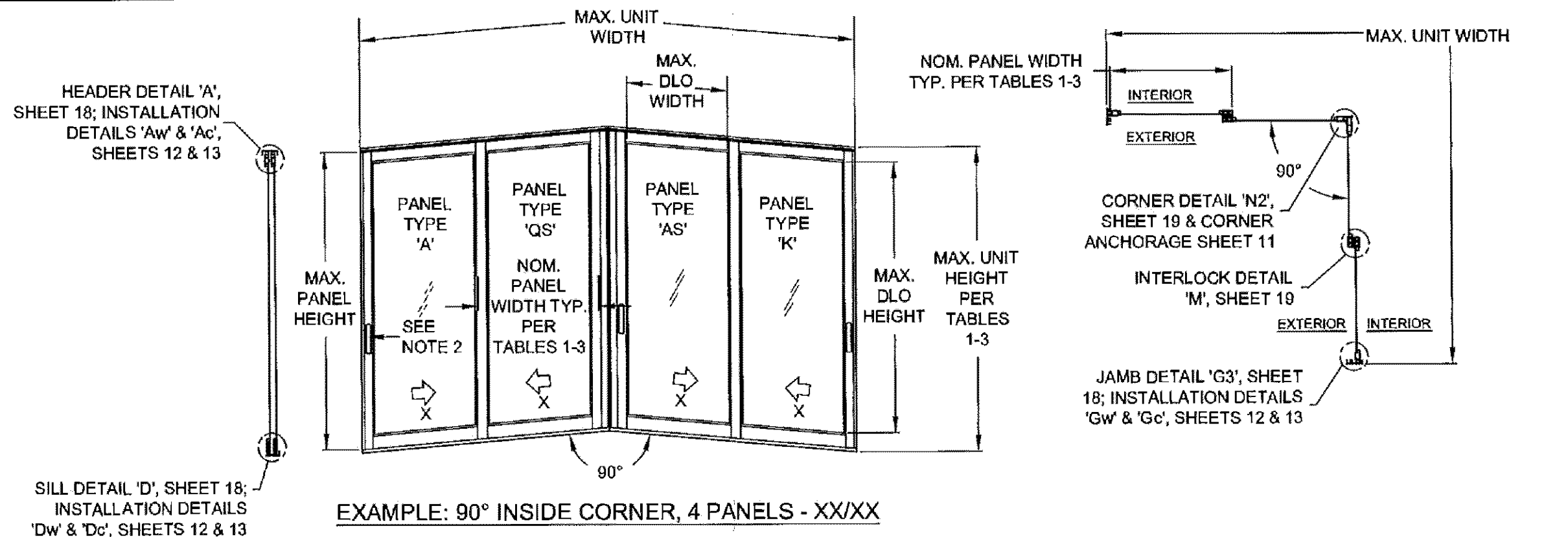
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	10/10/14	

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

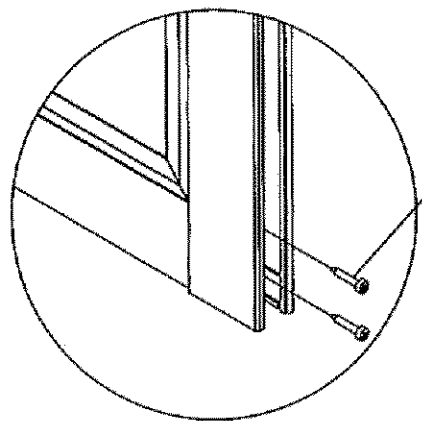


Description:	ANCHORAGE DETAILS			
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Series/Model:	SGD-770	Scale:	NTS	Sheet
			14 of 22	Drawing No.
				PGT0130
Rev:				

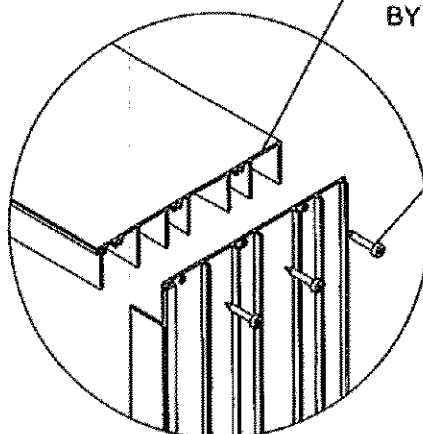
CONFIG. EXAMPLES



EXAMPLE: 90° INSIDE CORNER, 4 PANELS - XX/XX



PANEL CORNER
DETAIL



FRAME CORNER
DETAIL

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

- 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.

Revised By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE N. VENICE, FL 34275	ANCHORAGE DETAILS / EXAMPLE ELEVATION			
Revised By:	Date:	Revisions:		(941)-480-1600				
Revised By:	Date:	Revisions:		CERT. OF AUTH. #29296	Series/Model: SGD-770			
Drawn By:	Date:	Checked By:	Date:		Scale:	Sheet:	Drawing No.	Rev:
JR	10/10/14				NTS	15 of 22	PGT0130	

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 14-0128.11
Expiration Date 02/17/2020

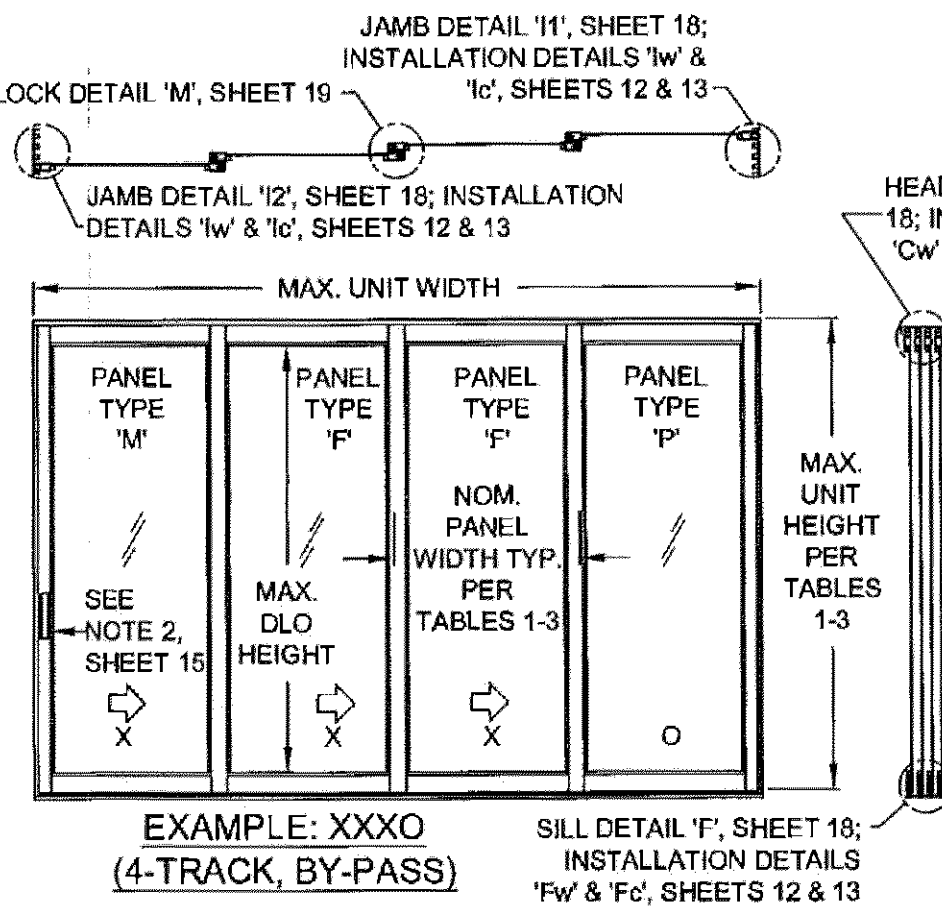
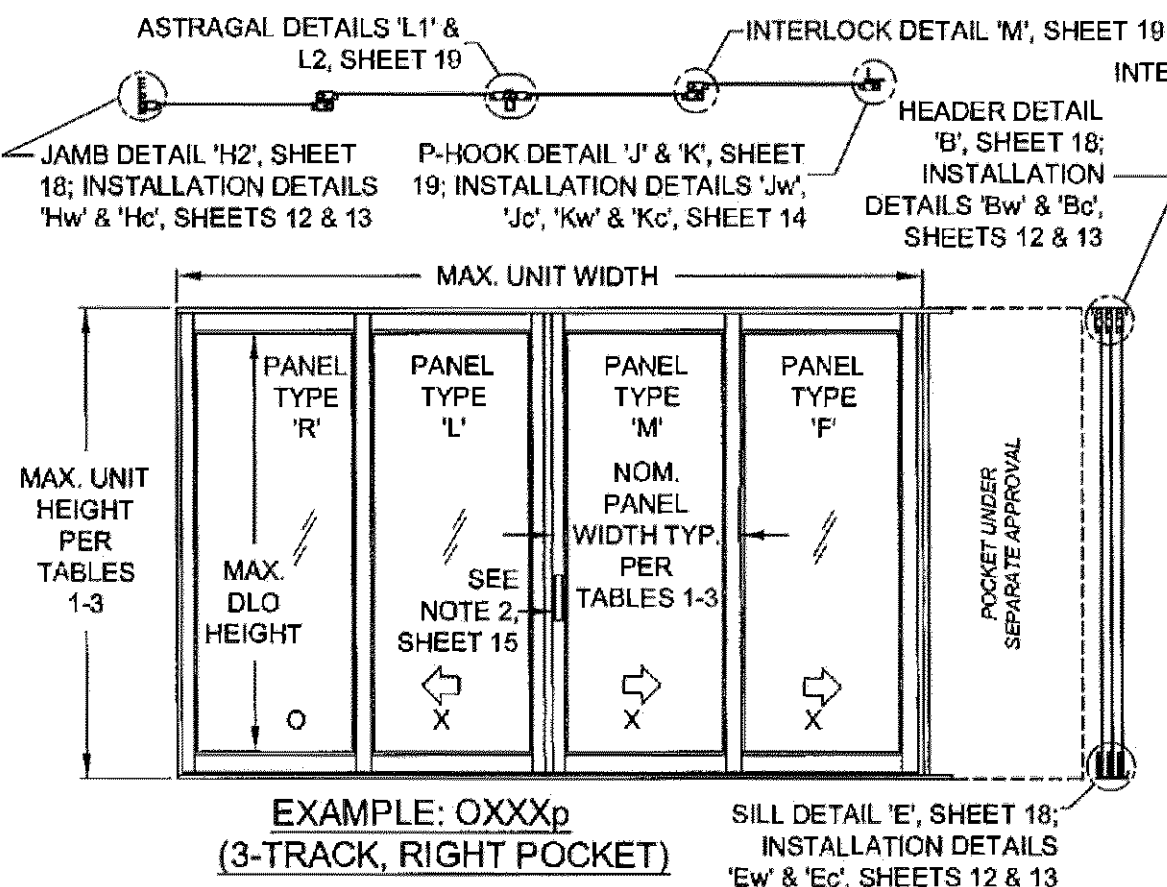
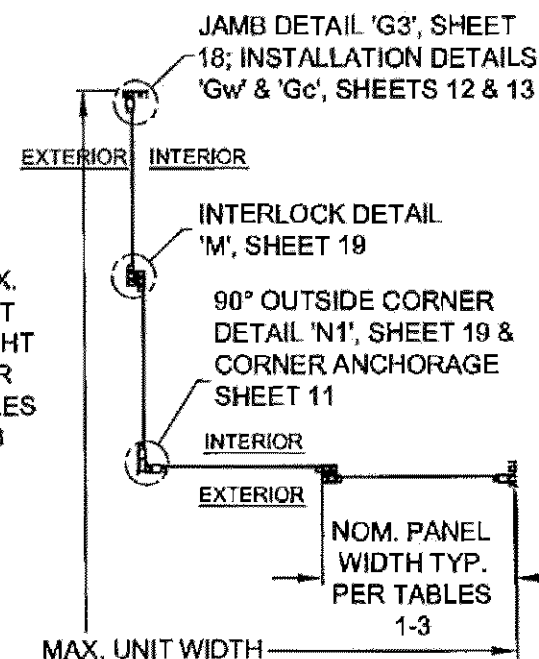
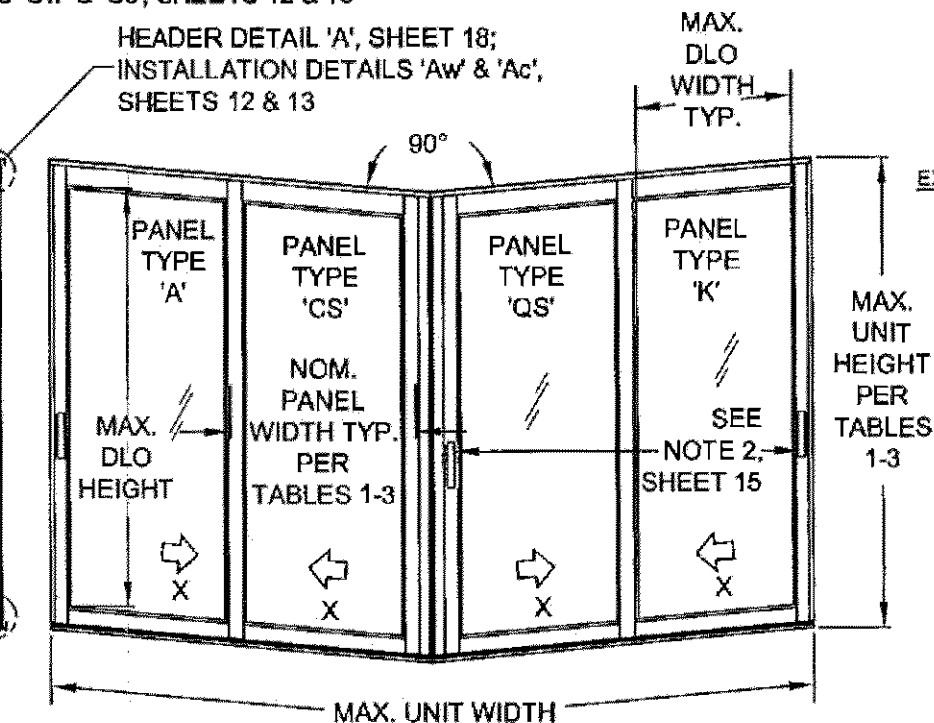
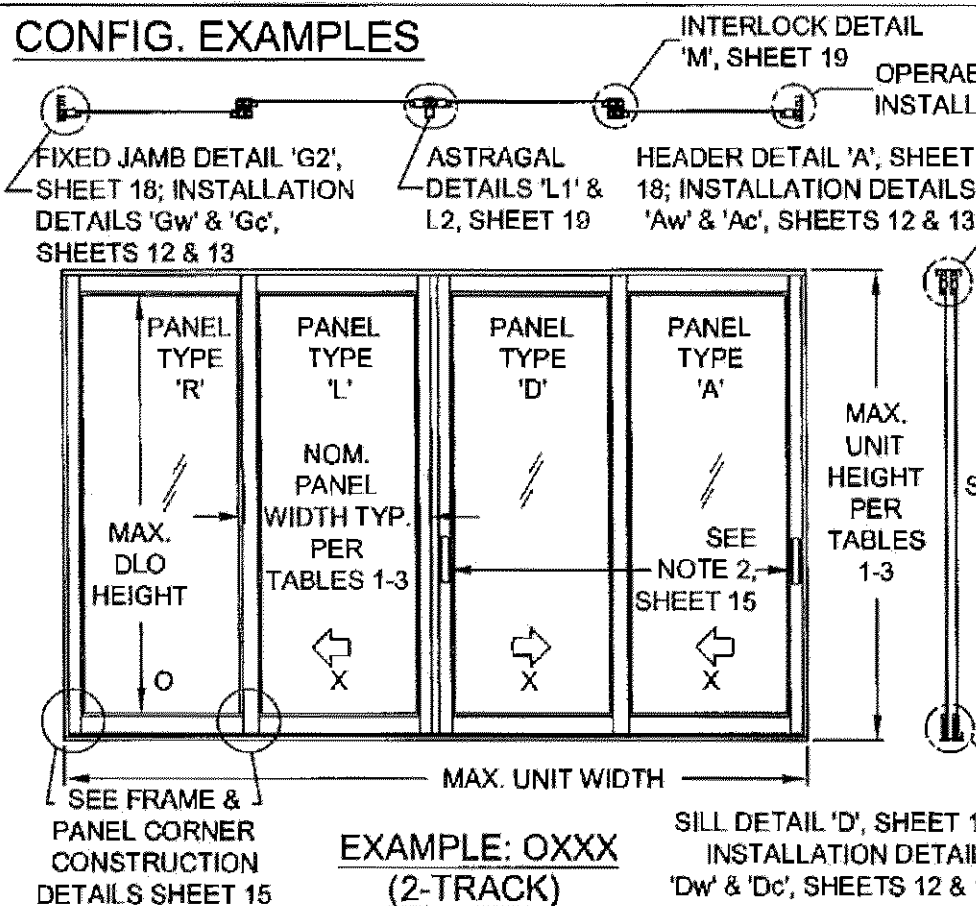
By: *Anthony Lynn Miller*
Miami Dade Product Control

ANTHONY LYNN MILLER
LICENSE
No. 58705
6-7-15
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

CONFIG. EXAMPLES

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

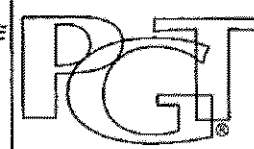


PRODUCT RENEWED as complying with the Florida Building Code
 Acceptance No. 14-0128.11
 Expiration Date 12/17/2020
 By *[Signature]*
 Miami Dade Product Control

ANTHONY LYNN MILLER
 LICENSE
 No. 58705
 4-2-15
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.# 58705

Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Drawn By:	Date:	Checked By:	Date:
JR	10/10/14		

1070 TECHNOLOGY DRIVE
 N. VENICE, FL 34275
 (941)-480-1800
 CERT. OF AUTH. #20206



Description: EXAMPLE ELEVATIONS			
Title: SERIES 770 ALUM. SGD - LM IMPACT			
Series/Model: SGD-770	Scale: NTS	Sheet: 16 of 22	Drawing No. PGT0130
Rev.			

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					T (BOX OUT)	U (BOX OUT)									
	ASTRAGAL BOX IN					T (BOX IN)	U (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												

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).

SILL RISERS OPTIONS

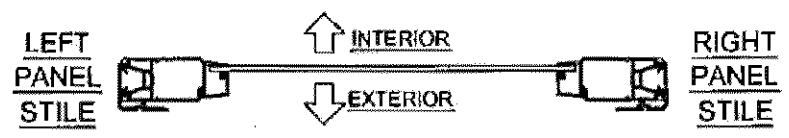
18" SILL RISER, FLAT * FLUSH, 1-1/2"

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

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

24 SILL RISER, FLAT HIGH, 4"

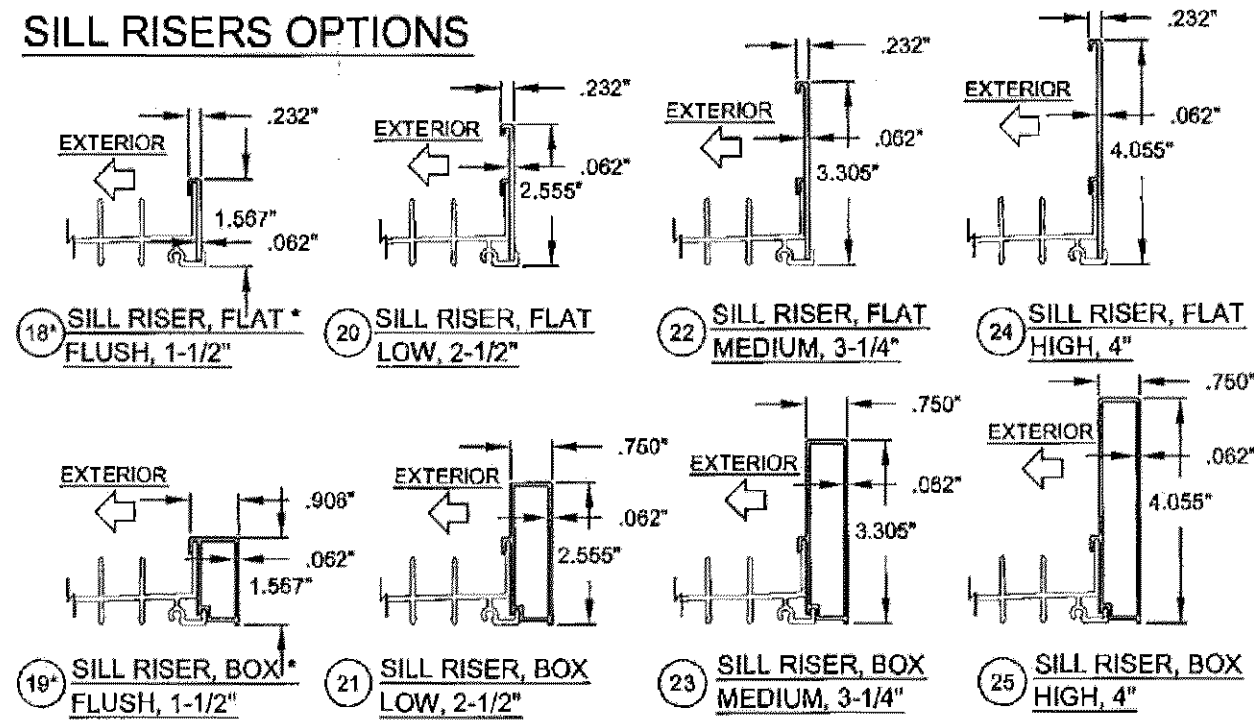
PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. 14-0128 Expiration Date 02/17/2020 By Miami Dade Product Control



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



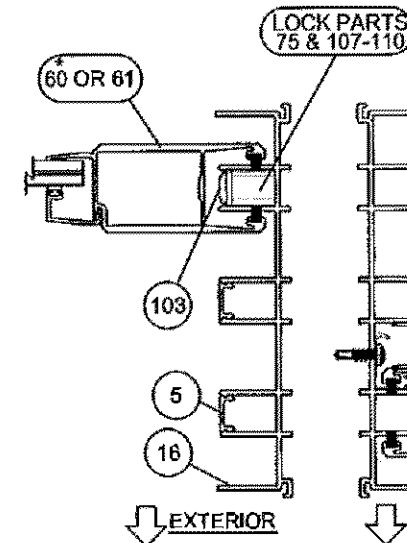
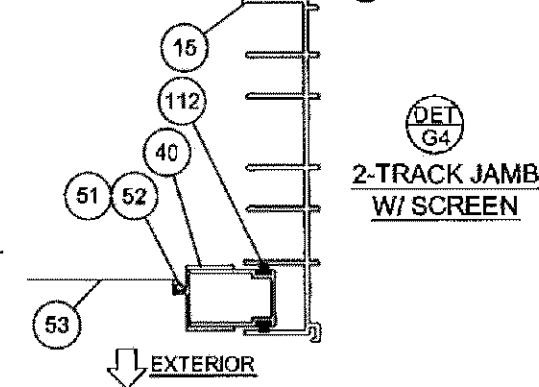
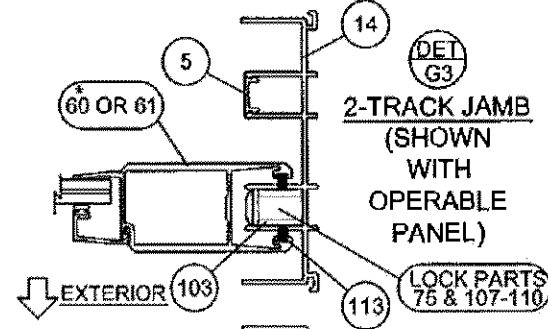
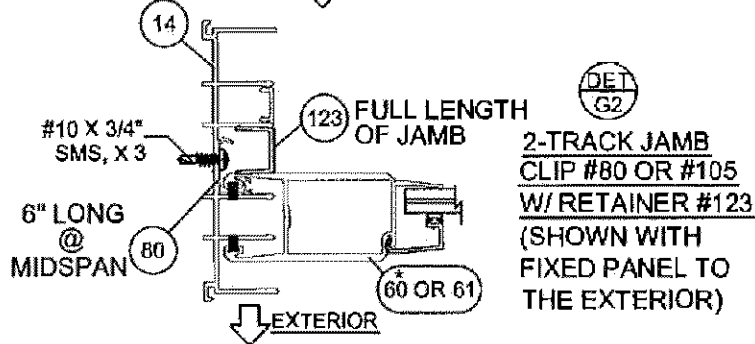
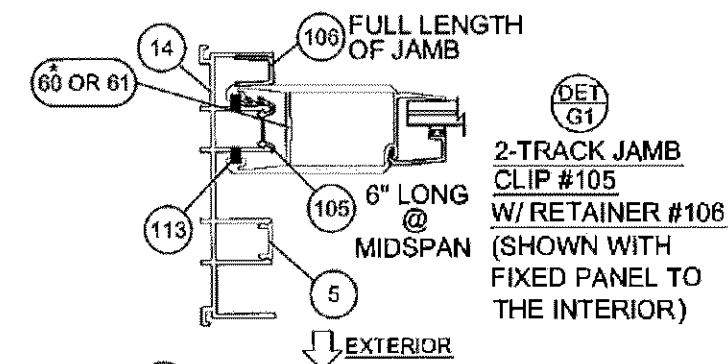
* NOT VALID FOR WATER INFILTRATION RESISTANCE REQUIREMENTS, SEE SHEETS 6-8

Revised By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941)-480-1800 CERT. OF AUTH. #29298		Description: PANEL TYPES Title: SERIES 770 ALUM. SGD - LM IMPACT				Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
Revised By:	Date:	Revisions:				SGD-770	NTS	17 of 22	PGT0130					
Revised By:	Date:	Revisions:												
Drawn By:	Date:	Checked By:	Date:											
JR	10/10/14													

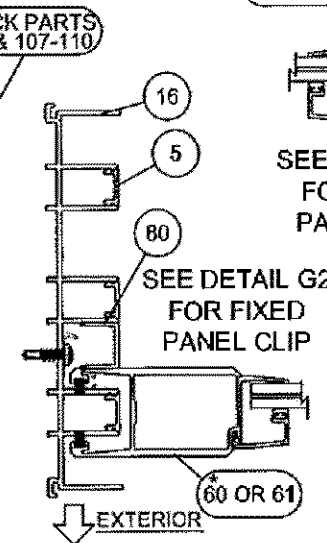
PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 14-0128-11
 Expiration Date 02/17/2020
 By:
 Miami Dade Product Control

ASSEMBLY DETAILS

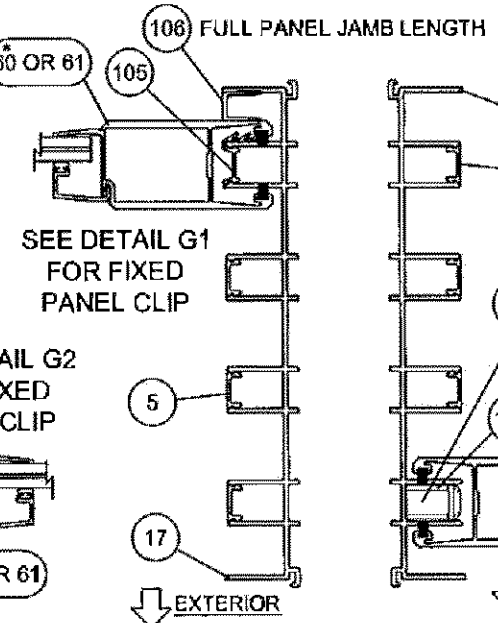
(SEE SHEETS 12-14 FOR FOR INSTALLATION DETAILS)



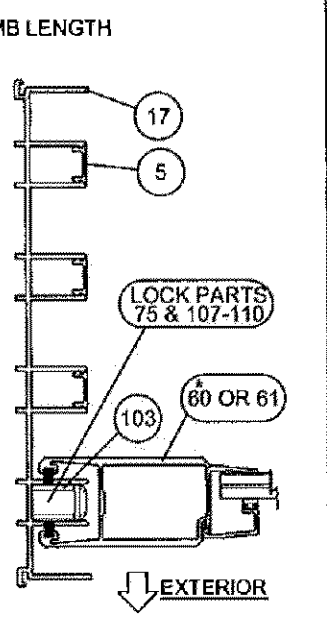
DET H1
3-TRACK JAMB
(SHOWN WITH
OPERABLE PANEL)



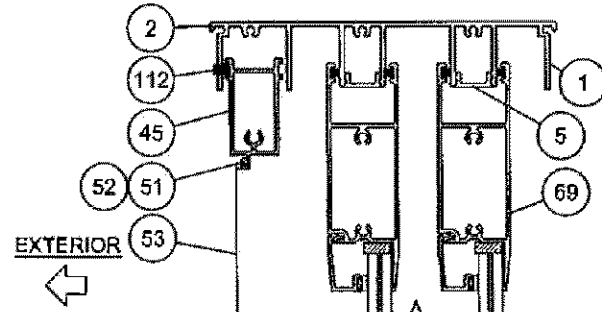
DET H2
3-TRACK JAMB
(SHOWN WITH
FIXED PANEL TO
THE EXTERIOR)



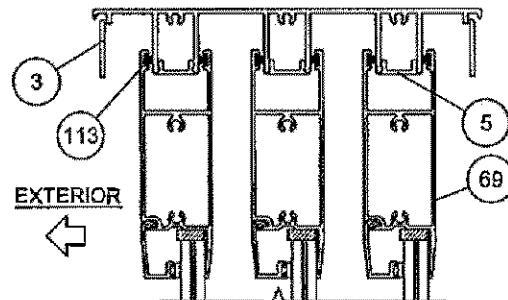
DET I1
4-TRACK JAMB
(SHOWN WITH
FIXED PANEL TO
THE INTERIOR)



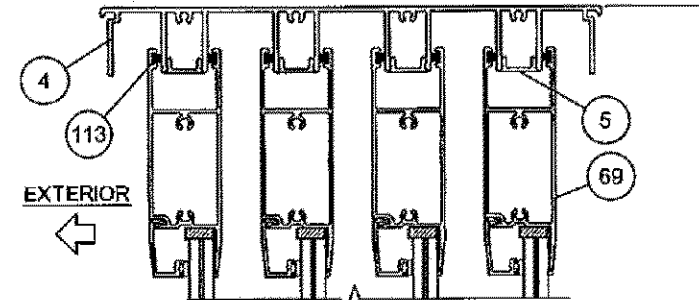
DET I2
4-TRACK JAMB
(SHOWN WITH
OPERABLE PANEL)



DET A
2-TRACK W/SCREEN
FRAME HEAD

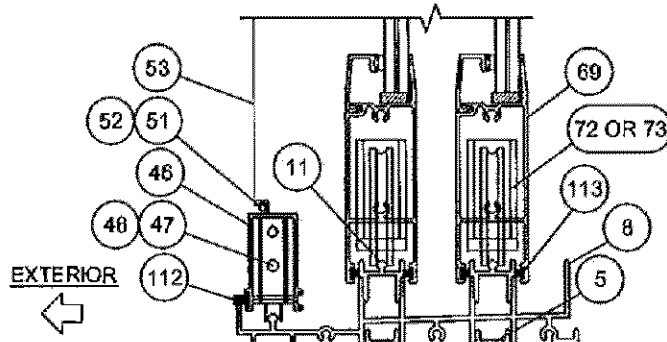


DET B
3-TRACK
FRAME HEAD

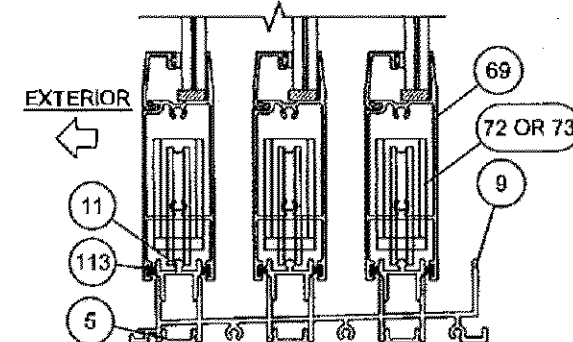


DET C
4-TRACK
FRAME HEAD

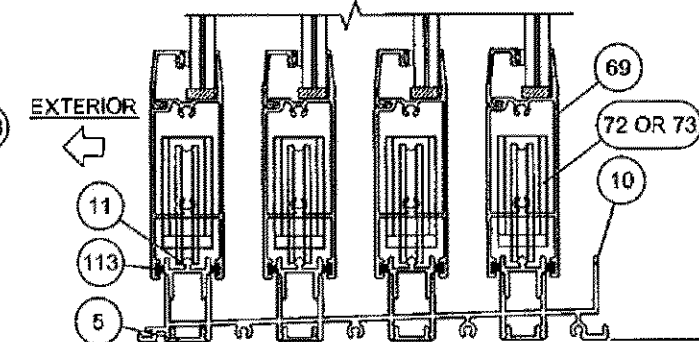
MAX. UNIT
HEIGHT PER
TABLES 1-3



DET D
2-TRACK W/SCREEN
FRAME SILL



DET E
3-TRACK
FRAME SILL

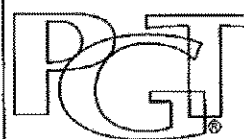


DET F
4-TRACK
FRAME SILL

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

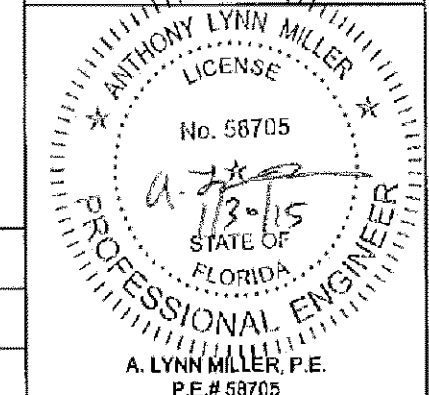
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	10/10/14	

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600
CERT. OF AUTH. #28286



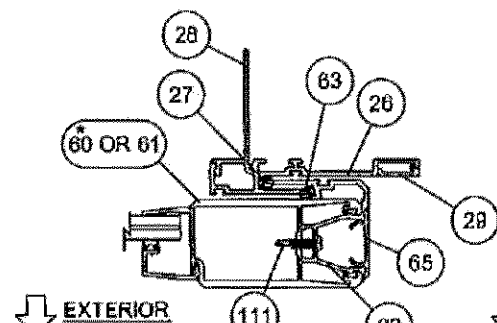
Description: VERTICAL SECTION DETAILS			
Series/Model: SERIES 770 ALUM. SGD - LM IMPACT			
Scale: SGD-770	Sheet: NTS	Drawing No. 18 of 22	Rev: PGT0130

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 14-0128-11
Expiration Date 02/27/2020
By: [Signature]
Miami Dade Product Control

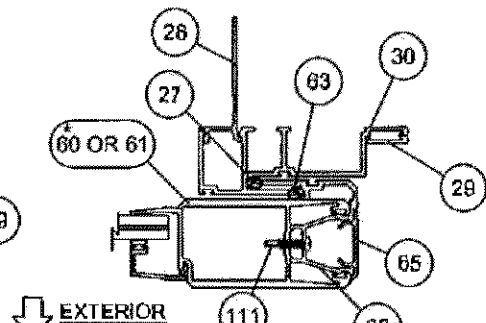


ASSEMBLY DETAILS

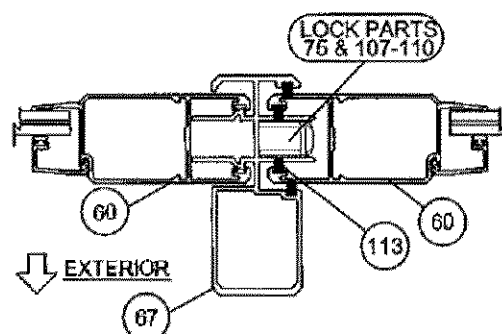
(SEE SHEETS 12-14 FOR FOR INSTALLATION DETAILS)



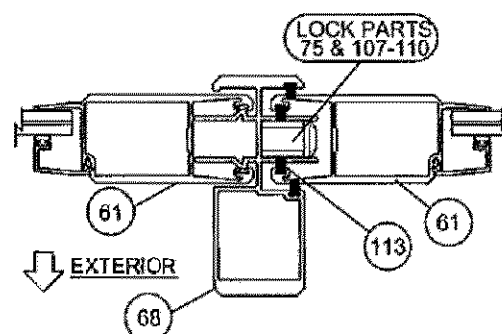
DET J P-HOOK FOR FLAT SILLS
(EXT. OR INT. MOUNT)



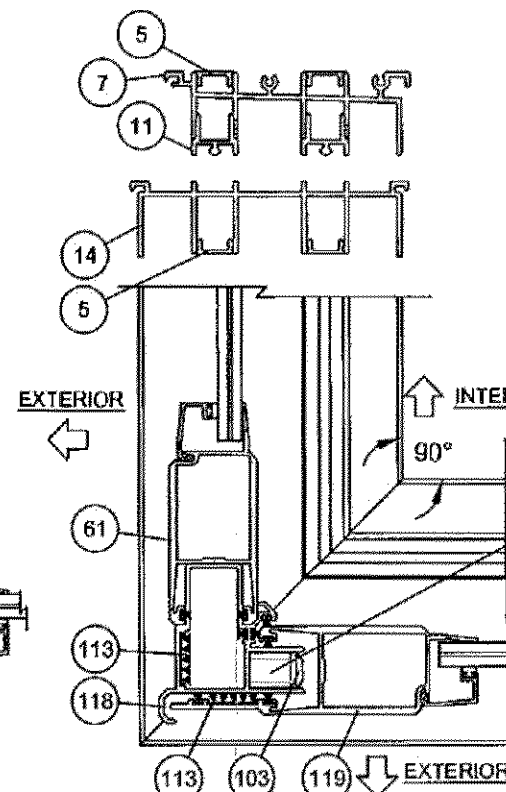
DET K P-HOOK FOR BOX SILLS
(EXT. MOUNT ONLY)



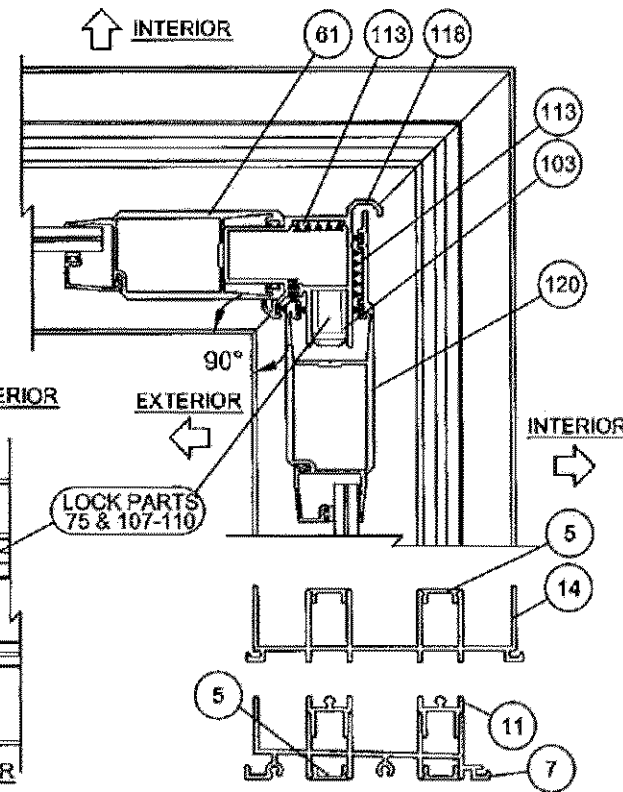
DET L1 STANDARD ASTRAGAL #67
WITH STANDARD STILES #60
EXTERIOR BOX ASTRAGAL SHOWN
(BOX-OUT) MAY ALSO BE INSTALLED
TOWARDS INTERIOR (BOX-IN)



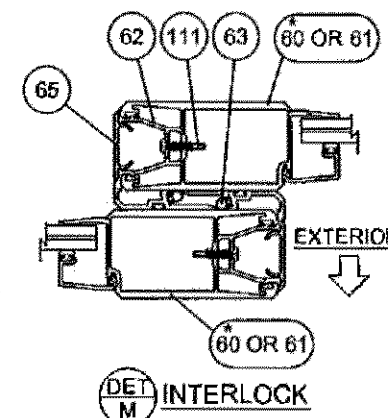
DET L2 HEAVY-DUTY ASTRAGAL #68
WITH HEAVY-DUTY STILES #61
EXTERIOR BOX ASTRAGAL SHOWN
(BOX-OUT) MAY ALSO BE INSTALLED
TOWARDS INTERIOR (BOX-IN)



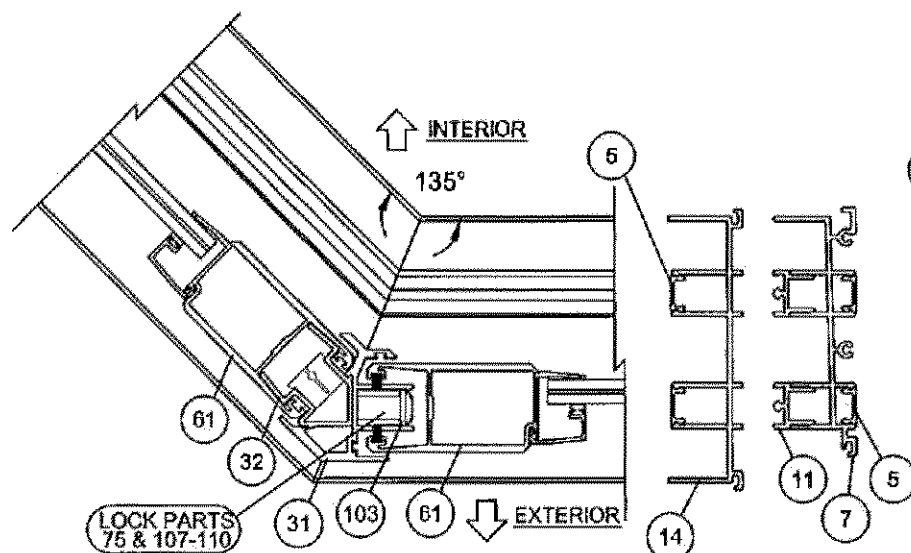
DET N1 90° OUTSIDE CORNER
2-TRACK SHOWN



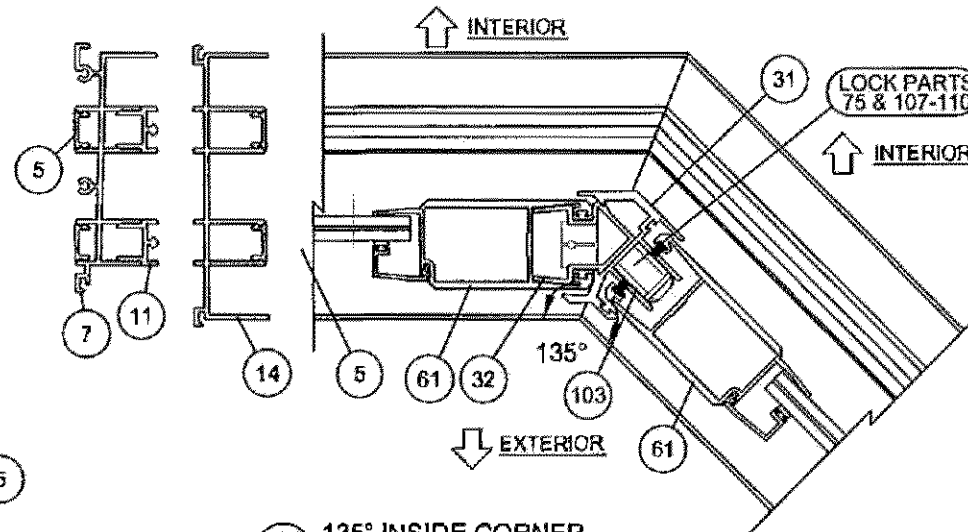
DET N2 90° INSIDE CORNER
2-TRACK SHOWN



* 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.



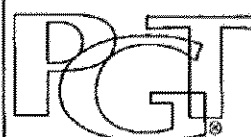
DET O1 135° OUTSIDE CORNER
2-TRACK SHOWN



DET O2 135° INSIDE CORNER
2-TRACK SHOWN

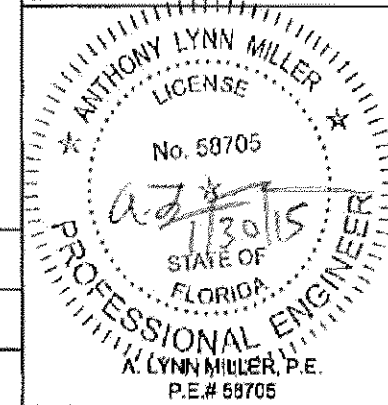
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	10/10/14	

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600
CERT. OF AUTH. #29290



Description: HORIZONTAL SECTION DETAILS, CORNERS			
Title: SERIES 770 ALUM. SGD - LM IMPACT			
Series/Model: SGD-770	Scale: NTS	Sheet: 19 of 22	Drawing No.: PGT0130

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 14-0128.11
Expiration Date 02/17/2020
By: *[Signature]*
Miami Dade Product Control



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 (SEE NOTE 3)
13	17316	617316	FRAME SILL SCREEN END ADD-ON (SEE NOTE 3)
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, FLUSH, 1-1/2"
19	17319	617319	SILL RISER - BOX, FLUSH, 1-1/2"
20	17321	617321	SILL RISER - FLAT, LOW, 2-1/2"
21	17318	617318	SILL RISER - BOX, LOW, 2-1/2"
22	17355	617355	SILL RISER - FLAT, MEDIUM, 3-1/4"
23	17354	617354	SILL RISER - BOX, MEDIUM, 3-1/4"
24	17323	617323	SILL RISER - FLAT, HIGH, 4"
25	17320	617320	SILL RISER - BOX, HIGH, 4"
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	688	7SRAZ	STANDARD ROLLER
48	688	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" SET. BLOCK, NEOPRENE 85 +/-5
55	1726		1" X 4" X 1/16" SET. BLOCK, NEOPRENE 85 +/-5

NOTES:

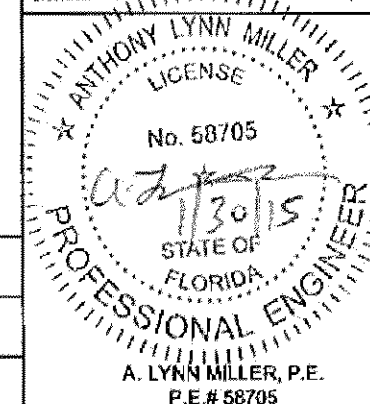
- 1) ALL ALUMINUM = 6063-T6
2) ITEMS # 33-39, 57-59, 66, 78, 84-99, 121 & 122 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.

Item	PGT Dwg. #	PGT #	Description
56			QUANEX/TRUEAL 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		71032X1FFPX	#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	8188	78188X	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	78182SN	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	64008	.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
123	17352	617352	FIXED PANEL RETAINER, 7/8"

NOTES:

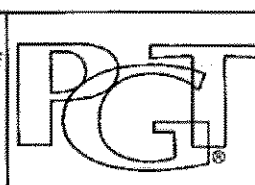
- 1) ALL ALUMINUM = 6063-T6
2) ITEMS # 33-39, 57-59, 66, 78, 84-99, 121 & 122 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.
3) USE OF #12 OR #13 REQUIRES MIN. #10 SMS OR 3/16" MASONRY ANCHORS @ 24" MAX. O.C.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **14-0128.11**
Expiration Date **02/17/2020**
By *[Signature]*
Miami Dade Product Control

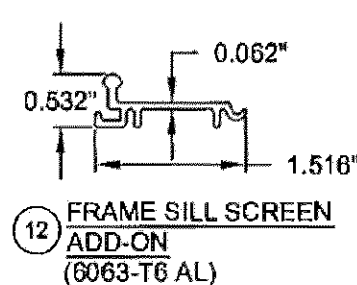
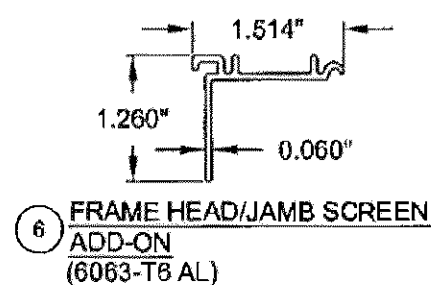
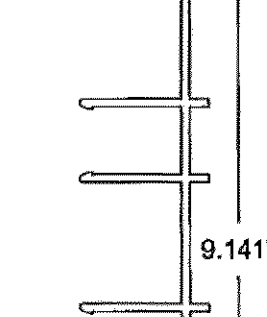
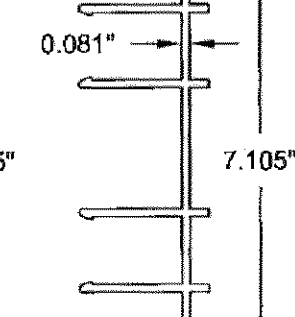
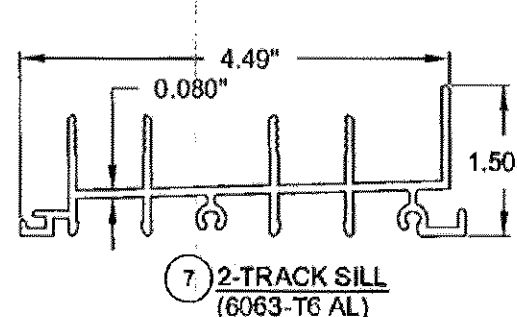
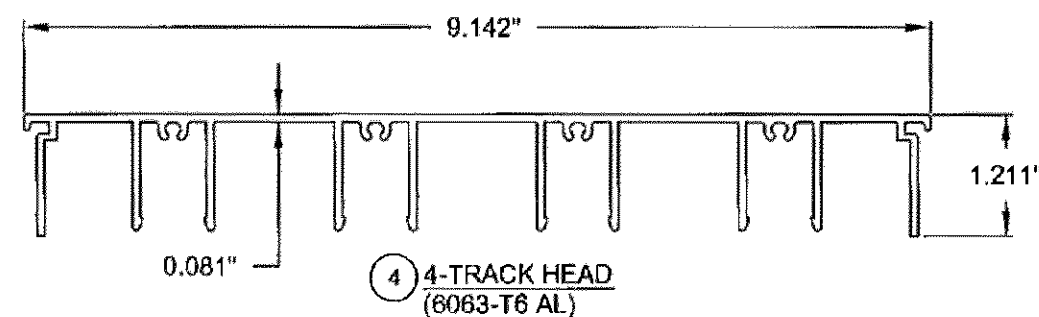
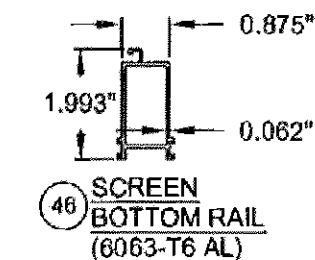
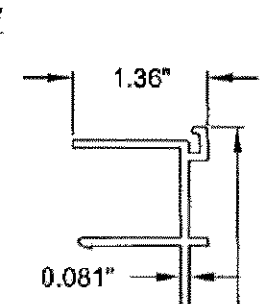
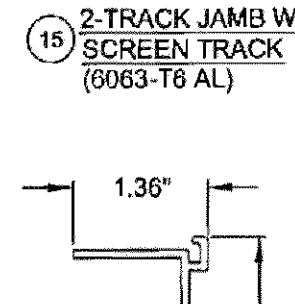
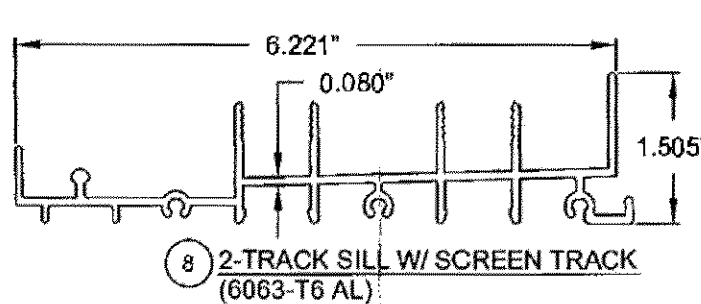
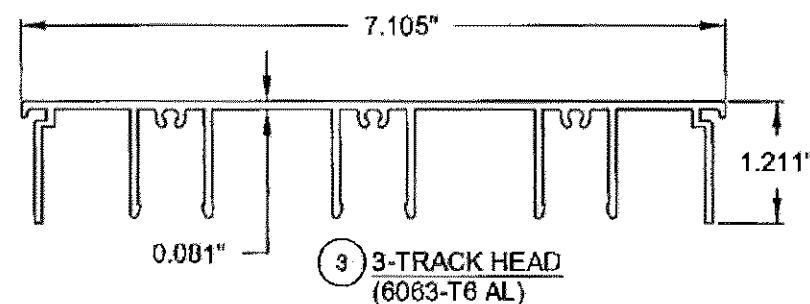
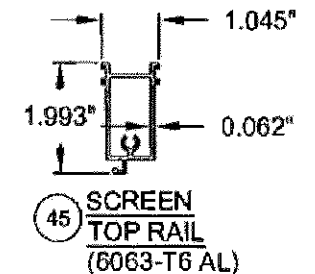
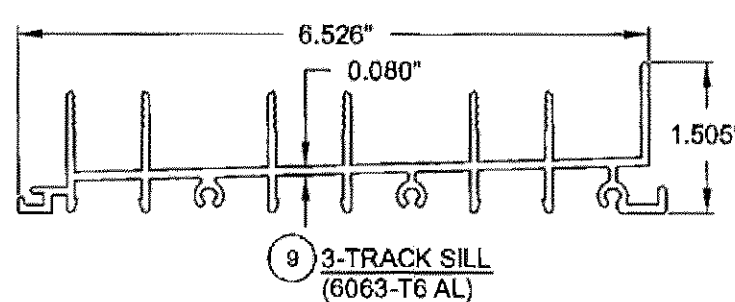
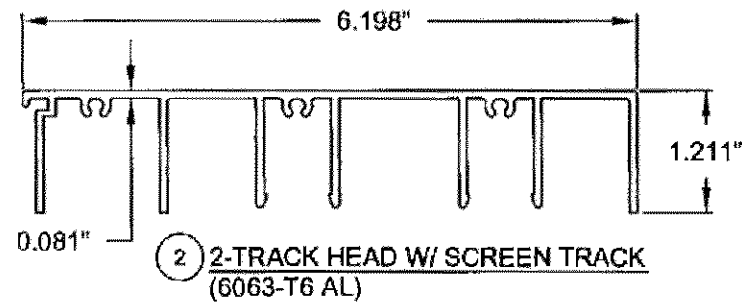
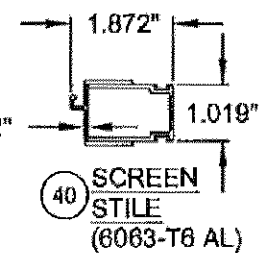
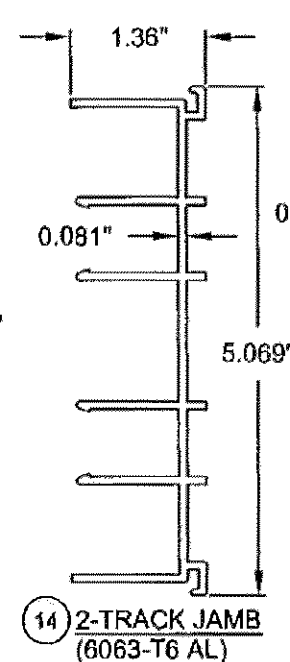
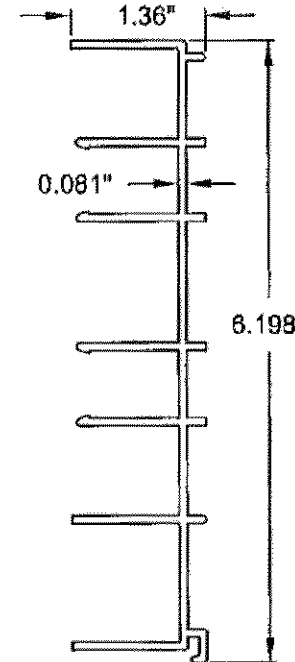
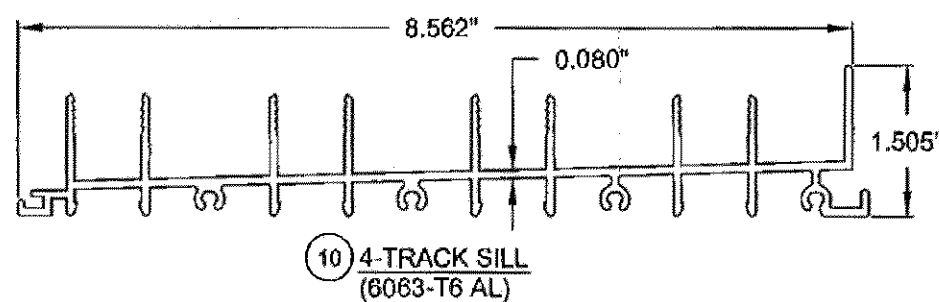
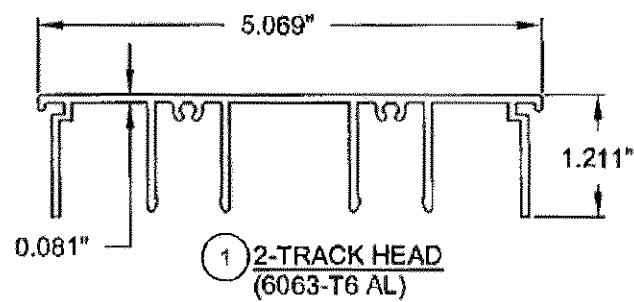


Revised By:	Date:	Revisions:	
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Drawn By:	Date:	Checked By:	Date:
JR	10/10/14		

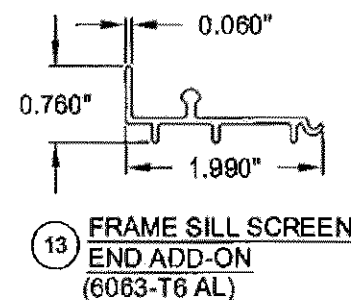
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34276
(941)-480-1600
CERT. OF AUTH. #28296



Description: PARTS LIST				
Title: SERIES 770 ALUM. SGD - LM IMPACT				
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SGD-770	NTS	20 of 22	PGT0130	



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



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

SEE SHEET 17 FOR SILL RISERS.

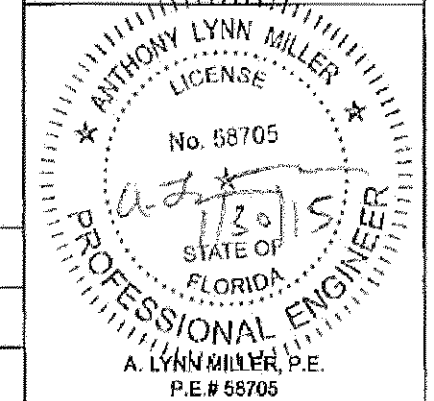
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Drawn By:	Date:	Checked By:
JR	10/10/14	

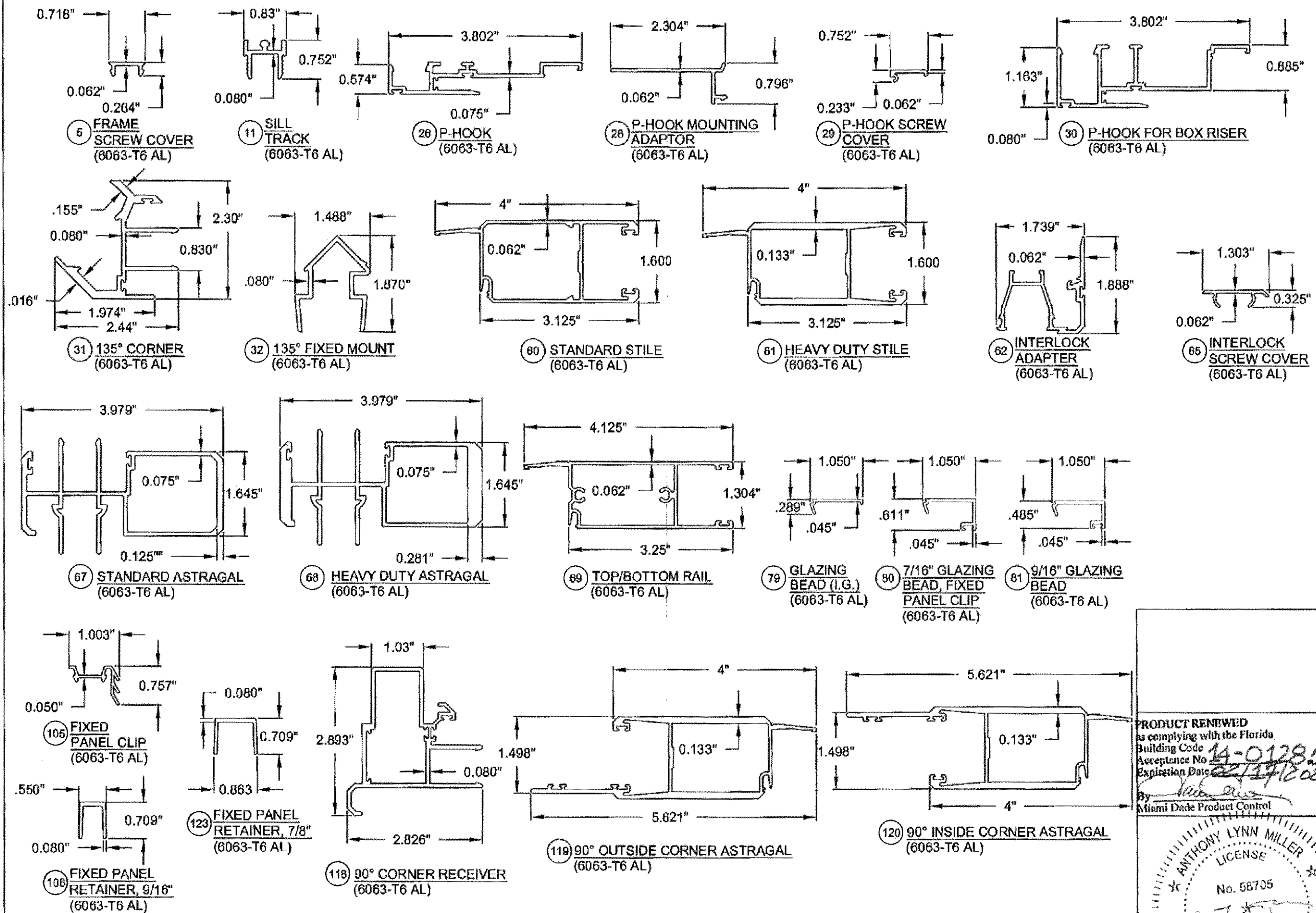
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600
CERT. OF AUTH. #29206



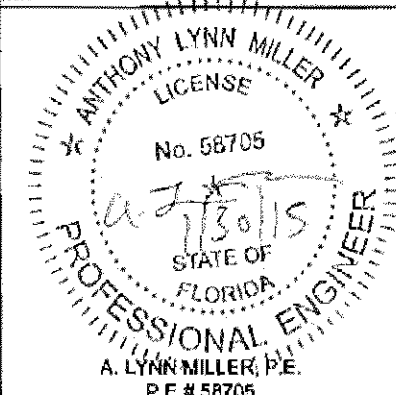
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T&E: SERIES 770 ALUM. SGD - LM IMPACT			
Series/Model:	Scale:	Sheet:	Drawing No.
SGD-770	NTS	21 of 22	PGT0130

PRODUCT RENewed
as complying with the Florida
Building Code
Acceptance No. 14-0128.11
Expiration Date 02/17/2020
By: *[Signature]*
Miami Dade Product Control



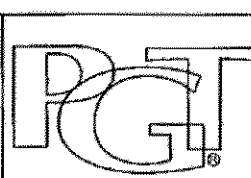


PRODUCT RENEWED
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By *[Signature]*
Miami Dade Product Control



Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	10/10/14	

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600
CERT. OF AUTH. #29298



Description: EXTRUSIONS			
Title: SERIES 770 ALUM. SGD - LM IMPACT			
Series/Model:	Scale:	Sheet:	Drawing No.
SGD-770	NTS	22 of 22	PGT0130