MIAMI-DADE COUNTY
DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

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 "570/2770" Vinyl Sliding Glass Door (Reinforced)-L.M.I.

APPROVAL DOCUMENT: Drawing No. **MD-SGD570-01 Rev B**, titled "Vinyl SGD", sheets 1 through 13 of 13, prepared by manufacturer, dated 10/11/11 and last revised on 02/04/14, signed and sealed by Anthony L. 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: Large and Small Missile Impact Resistant
Limitations:

1. **See table 2 (sheet 8), table 3 (sheet 9) and table 4 (sheet 9) of this approved drawing set for applicable SGD unit sizes, design pressures, reinforcements types, glass types, sill riser (detail sheet 6) and anchors requirements. See sheet (8) for various panels configurations and limitations.**
2. **Rigid White PVC, Tan (Non-white) Rigid PVC and Brown coated (Painted or laminated) white Rigid PVC to be labeled per referenced NOA9s) requirements.**
3. **Egress operable doors must comply with min clear width or height per FBC, as applicable.**
4. **Pocket walls under separate approval, to be reviewed by Building official.**

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 # 11-1018.19** and consists of this page 1 and evidence pages E-1 & E-2, as well as approval document mentioned above.
The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

MIAMI-DADE COUNTY APPROVED

02/10/14

NOA No 13-1125.05
Expiration Date: April 14, 2016
Approval Date: February 13, 2014

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under files # **11-1018.19 /#11-0107.04**).
2. Drawing No. **MD-SGD570-01 Rev B**, titled "Vinyl SGD", sheets 1 through 13 of 13, prepared by manufacturer, dated 10/11/11 and last revised on 02/04/14, signed and sealed by Lynn Miller, P.E.

Note: This revision consists of series changes, addition of Tan & Brown coated PVC and non-sill riser water rating use and limitations.

B. TESTS (Submitted under files # **11-1018.19 /#11-0107.04**)

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) 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 (b) and TAS 202-94

   along with marked-up drawings and installation diagram of vinyl sliding glass door, prepared by Fenestration Testing Lab, Inc., Test Report No. **FTL 6638** (samples A-1 thru A-22), dated 11/19/10, signed and sealed by Jorge A. Causo, P. E.
   (The above test report has an addendum letter dated 3-11-11, issued by FTL, signed and sealed by Marlin D. Brinson, P.E. (reviewing Engineer).
2. Additional test report No. **FTL 6637** (samples A-1 thru A-5) per TAS 202-94, issued by Fenestration Testing Lab, Inc., dated 12/06/10, signed and sealed by Jorge A. Causo, P. E.

C. CALCULATIONS (Submitted under files # **11-1018.19 /#11-0107.04**)

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by PGT, dated 02/16/11 and last revised on 3-11-11, signed and sealed by Anthony L. Miller, P.E.
2. Glazing complies with ASTME-1300-02 &-04

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **10-0420.06** issued to Vision Extrusion Ltd for their "**White Rigid PVC**", expiring on 09/30/14.
2. Notice of Acceptance No. **11-0902.10** issued to Vision Extrusion Ltd for their "**VE 1000 Tan (Non-White) Rigid PVC**", expiring on 12/29/16.
3. Notice of Acceptance No. **12-1017.01** issued to Vision Extrusion Ltd for their "Brown Coated (Painted or Laminated) **White Rigid PVC**", expiring on 09/30/14
4. Test reports No(s). 10-002-792(A), 10-006-10231, 535753-09, per ASTME-84, ASTMD1929 and ASTMD-635, issued by EXOVA to Vision Extrusion for cellulosic composite material.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 13-1125.05
Expiration Date: April 14, 2016
Approval Date: February 13, 2014

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS (continue):

5. Notice of Acceptance No. **11-0624.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass ®**", expiring on 01/14/17.
6. Notice of Acceptance No.**11-0624.01** issued to E.I. DuPont DeNemours for "**Butacite PVB Interlayer**", expiring on 12-11-2016.

F. STATEMENTS

1. Statement letters dated NOV 14, 2013 of compliance to FBC 2010 and "No financial interest", prepared by PGT, signed & sealed by Lynn Miller, P.E
2. Statement letters dated OCT 11, 2011 of compliance to FBC 2007 & FBC 2010 and "No financial interest", prepared by PGT, signed & sealed by Lynn Miller, P.E. (Submitted under file **#11-0107.04**)
3. Letter of lab compliance, part of the above test reports.

G. OTHER

1. This NOA **revises #11-1018.19 (# 11-0107.04)**, expiring April 14, 2016.
2. PGT e-mail dated 02/04/2014 and 11/23/11 by Lynn Miller, P.E. confirming extent of revisions.
3. Test proposal # **10-0767**, dated 08/25/10 approved by BCCO.
4. Test verification calculation dated 07/30/10, prepared by PGT, Anthony L. Miller, P.E.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 13-1125.05
Expiration Date: April 14, 2016
Approval Date: February 13, 2014

GENERAL NOTES: SERIES 570 & 2770 LARGE MISSILE, IMPACT-RESISTANT, VINYL, REINFORCED SLIDING GLASS DOOR

DESIGN PRESSURE RATING	IMPACT RATING
VARIES, SEE SHEETS 8 & 9	LARGE & SMALL MISSILE IMPACT

1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE. THE RIGID WHITE, BROWN & TAN PVC MANUFACTURED BY VISION EXTRUSIONS, LTD. HAS BEEN TESTED TO COMPLY WITH THE FLORIDA BUILDING CODE FOR PLASTICS, (COMPONENT REQUIREMENTS).

2) GLAZING TYPE OPTIONS: (FROM EXTERIOR TO INTERIOR); T=TEMPERED, HS=HEAT STRENGTHED, AN=ANNEALED, SG=.090 DUPONT SENTRYGLAS (FORMERLY KNOWN AS SENTRYGLAS® PLUS), PVB=.090" DUPONT BUTACITE PVB:
- GLASS TYPE A: 3/16" HS GLASS + .090" SG INTERLAYER + 3/16" HS GLASS + 7/16" AIR SPACE + 3/16" T CAP
- GLASS TYPE B: 3/16" HS GLASS + .090" PVB INTERLAYER + 3/16" AN GLASS + 7/16" AIR SPACE + 3/16" T CAP
- GLASS TYPE C: 3/16" HS GLASS + .090" PVB INTERLAYER + 3/16" AN GLASS + 9/16" AIR SPACE WITH HEAT-MIRROR FILM + 3/16" T CAP

APPROVED BACKBEDDINGS ARE GE 7700 AND DOW-CORNING 995.

3) FOR MASONRY APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY THE FOLLOWING MIAMI-DADE COUNTY APPROVED MASONRY ANCHORS: 1/4" ELCO ULTRACON OR 1/4" ELCO CRETEFLEX. SEE TABLE 1, SHEET6 FOR DETAILS.

4) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 1, SHEET 6. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. 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. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.

5) IF SILL IS TIGHT TO SUBSTRATE, GROUT IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, 3400 PSI MIN., (DONE BY OTHERS) (MAX. 1/4" SHIM SPACE FOR GROUT) MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER SHEAR LOAD TO SUBSTRATE. IF SUBSTRATE IS WOOD, 30# FELT PAPER OR MASTIC IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE, OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION, COMPLYING WITH FBC.

6) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE THE EMBEDMENTS SHOWN ON TABLE 1, SHEET 6. PROPER SEALING OF ENTIRE ASSEMBLY IS THE RESPONSIBILITY OF OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.

7) DESIGN PRESSURES:
A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E-1300.
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E-1300.

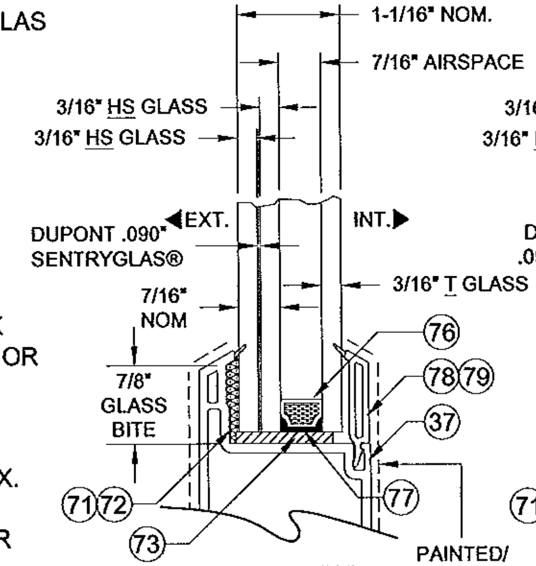
8) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

9) SHUTTERS ARE NOT REQUIRED.

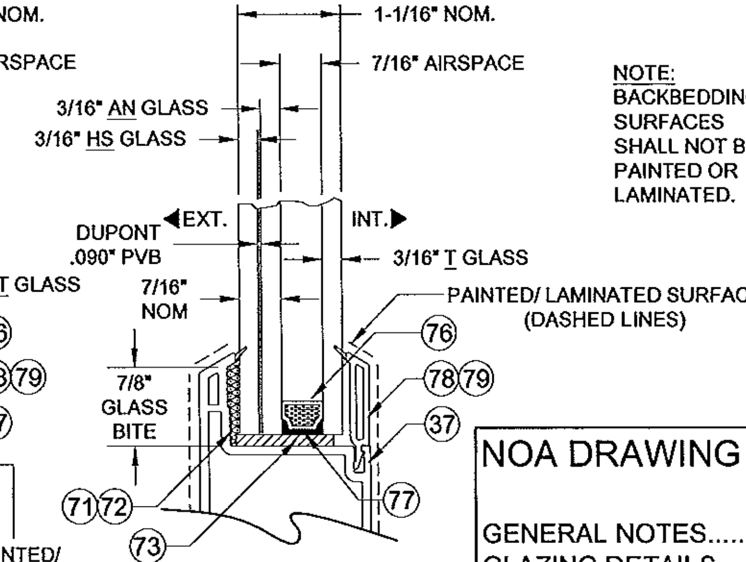
10) SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER THE FLORIDA BUILDING CODE. MAXIMUM OF (8) EIGHT PANEL CONFIGURATION FOR FRAME HEIGHTS UP TO 96" OR (4) FOUR PANEL CONFIGURATION FOR FRAME HEIGHTS OVER 96" AND UP TO 120".

11) REFERENCES: TEST REPORTS FTL-6337 & 6338; EXOVA-10-002-792(A) & 10-006-10231; CAMBRIDGE 535753-09; ELCO ULTRACON PER CURRENT NOA; ELCO CRETEFLEX PER CURRENT NOA; VISION EXTRUSION, LTD: WHITE RIGID PVC PER CURRENT NOA, VE 1000 TAN 202 AND LIGHTER SHADES (NON-WHITE) RIGID PVC PER CURRENT NOA AND BROWN COATED (PAINTED OR LAMINATED) WHITE RIGID PVC PER CURRENT NOA; ANSI/AF&PA NDS-2005 FOR WOOD CONSTRUCTION AND ADM-2005 ALUMINUM DESIGN MANUAL

12) THE 2770 SERIES USES A EITHER A PVB OR SENTRYGLAS, (SG) INTERLAYER. UNITS GLAZED WITH GLASS CONTAINING SG INTERLAYER WERE PREVIOUSLY KNOWN AS THE 2870 SERIES.

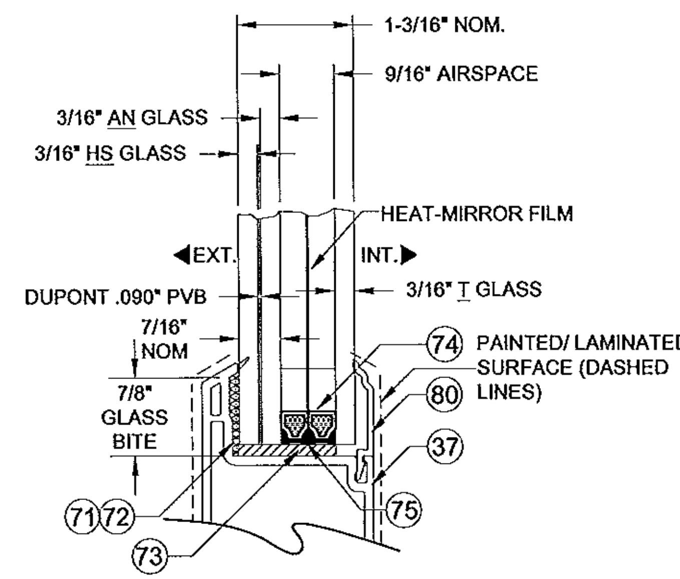


GLASS TYPE "A"
SG LAMINATE, INSULATED GLASS



GLASS TYPE "B"
PVB LAMINATE, INSULATED GLASS

NOTE:
BACKBEDDING SURFACES SHALL NOT BE PAINTED OR LAMINATED.



GLASS TYPE "C"
PVB LAMINATE, INSULATED WITH HEAT-MIRROR FILM GLASS

NOA DRAWING MAP

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 13-1125.05 Expiration Date APR 14 2016 By Ishaq I. Chanda Miami Dade Product Control

INSTRUCTIONS:
1) KNOWING THE REQUIRED DESIGN PRESSURE OF THE OPENING, THE ANCHOR REQUIREMENTS FOR THE SLIDING GLASS DOORS MAY BE DETERMINED FROM THE DESIGN PRESSURE TABLES. FOR GLASS TYPES B OR C, USE TABLE 4, SHEET 9. FOR GLASS TYPE A, USE TABLE 3, SHEET 9 IF THE REQUIRED DESIGN PRESSURE IS ABOVE 80 PSF, OTHERWISE USE TABLE 2, SHEET 8.
2) LOCATE THE SLIDING GLASS DOOR SIZE ON THE TABLE, USING THE FRAME HEIGHT AND THE NOMINAL PANEL WIDTH. WHEN FINDING YOUR SIZE IN THE TABLE, ALWAYS ROUND UP TO THE NEXT LISTED SIZE.
3) CHOSE WHICH ANCHOR OPTION (A-D) IS MOST APPLICABLE. ANCHORS ARE DEFINED IN TABLE 1, SHEET 6, ALONG WITH THE APPROPRIATE SUBSTRATE, MINIMUM EMBEDMENT AND MINIMUM EDGE DISTANCE.
4) FROM THE DESIGN PRESSURE TABLES (TABLES 2-4, SHEETS 8 & 9), VERIFY THAT THE REQUIRED DESIGN PRESSURE IS MET OR EXCEEDED. USE THE ANCHOR QUANTITIES SHOWN.
5) INSTALL AS PER THE INSTRUCTIONS AND DETAILS ON SHEETS 2-7.
6) ADDITIONAL INSTALLATION CLIPS MUST BE INSTALLED AS SHOWN ON SHEET 7.

ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
2/4/14
A. LYNN MILLER, P.E.
P.E.# 58705

PGT
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274
CERT. OF AUTH. #29296

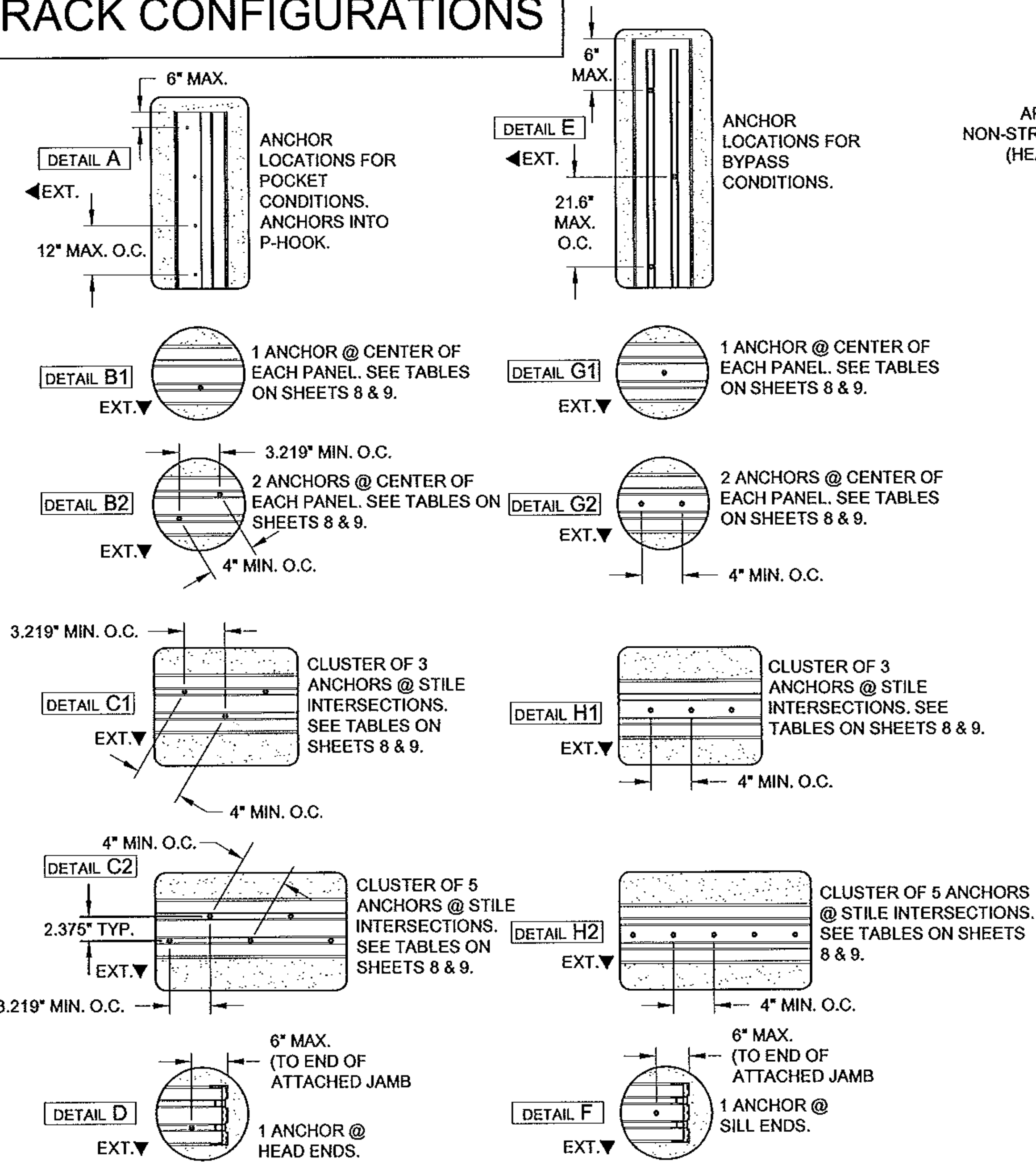
Revised By:	Date:	Revision:
J.J.	10/11/11	FBC 2010 CODE
J.R.	11/05/13	RENAMED 2870

Description:	Drawn By:
GENERAL NOTES & GLASS TYPES	J ROSOWSKI

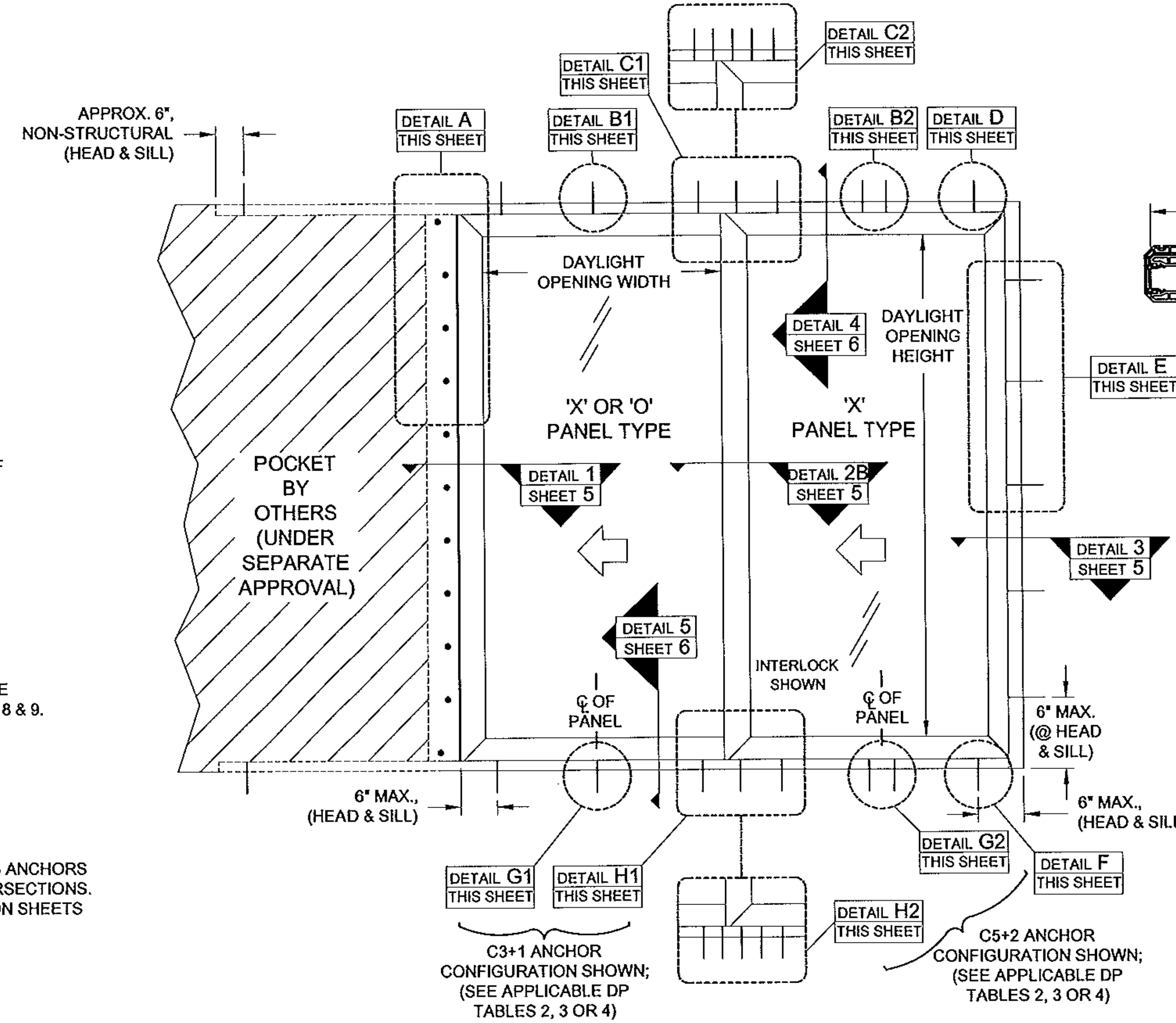
Title:	Date:
VINYL SGD INSTALLATION GUIDELINES	11/18/10

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
570/2770	NTS	1 OF 13	MD-SGD570-01	B

2-TRACK CONFIGURATIONS

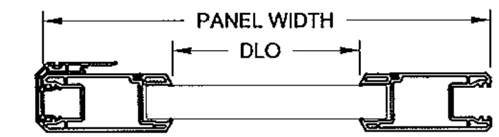


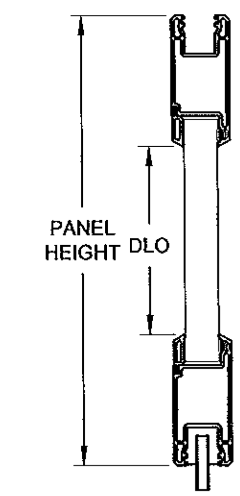
NOTE: SEE TABLE 1, SHEET 6 FOR ANCHOR EDGE DISTANCE AND EMBEDMENT.



DAYLIGHT OPENING (DLO) FORMULAS
WIDTH: PANEL WIDTH - 8-9/16"
HEIGHT: PANEL HEIGHT - 8-9/16"

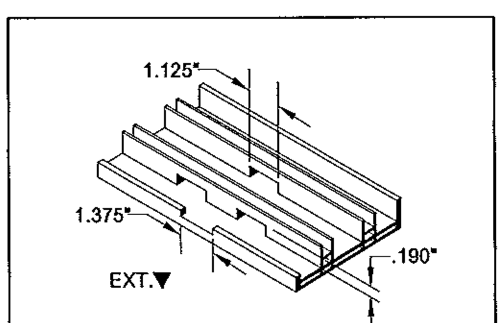
PANEL HEIGHT = FRAME HEIGHT - 2.5"



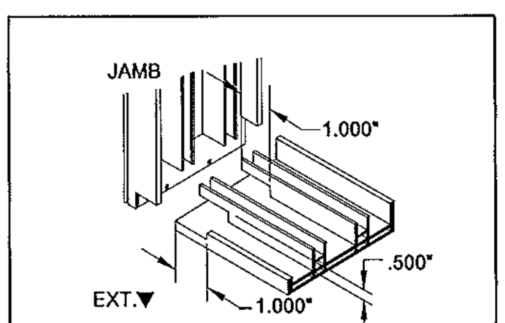


NOTES:
1) FOR CONFIGURATIONS, SEE SHEET 12.
2) FOR ANCHOR EDGE DISTANCE AND EMBEDMENT, SEE TABLE 1 SHEET 6.
3) DAYLIGHT OPENING (DLO) FORMULAS:
WIDTH: PANEL WIDTH - 8-9/16"
HEIGHT: PANEL HEIGHT - 8-9/16"

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 13-1125.05
Expiration Date 4/14/16
By Ishaq I. Chanda
Miami Dade Product Control



WEEPHOLE PATTERN @ 24" O.C.



WEEPHOLE PATTERN @ SILL ENDS

ANTHONY LYNN MILLER
LICENSE
No. 58705
2/4/14
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

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

CERT. OF AUTH. #29296

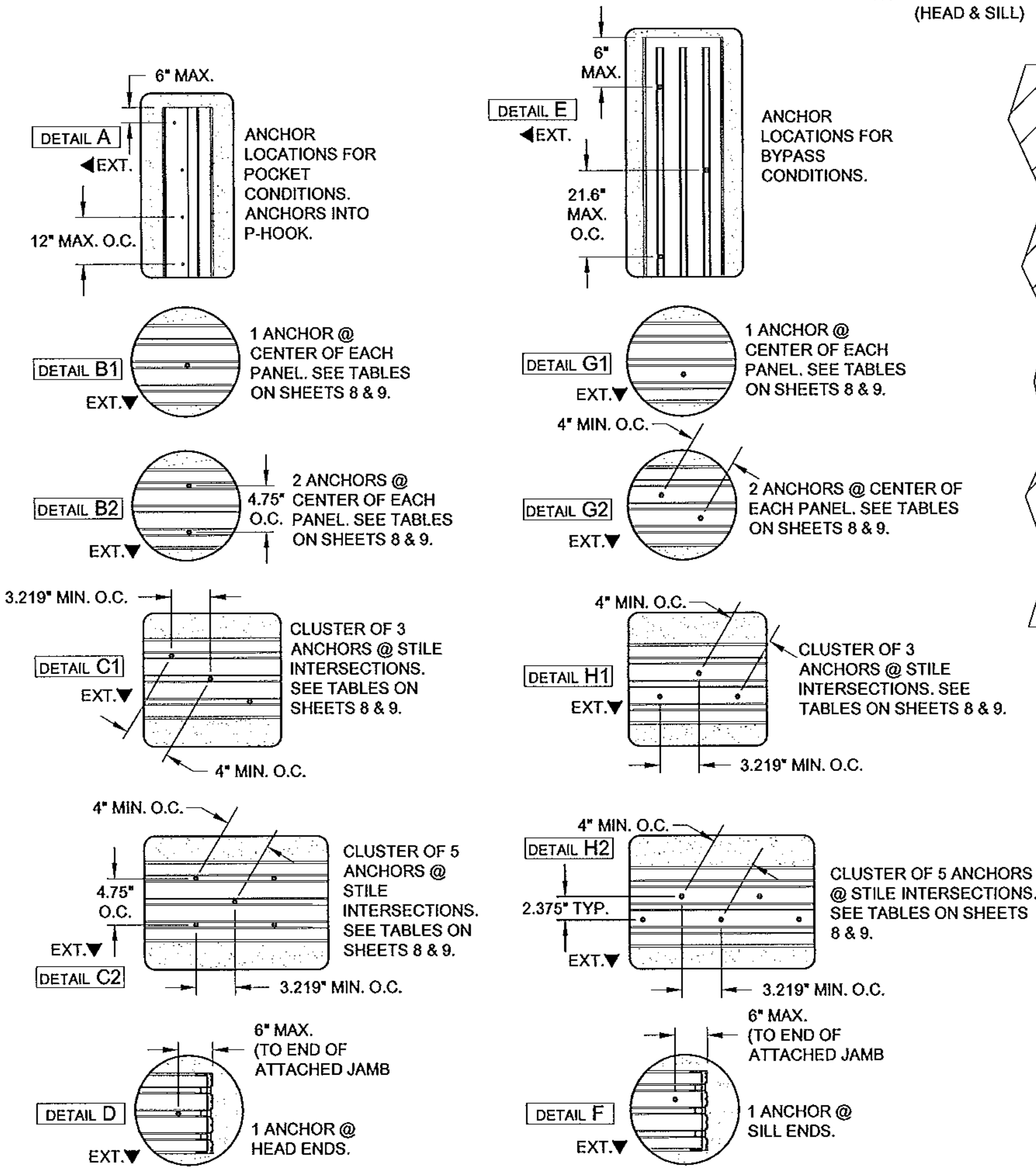
Revised By:	Date:	Revision:
J.J.	10/11/11	FBC 2010 CODE
J.R.	11/05/13	CORRECT DLO

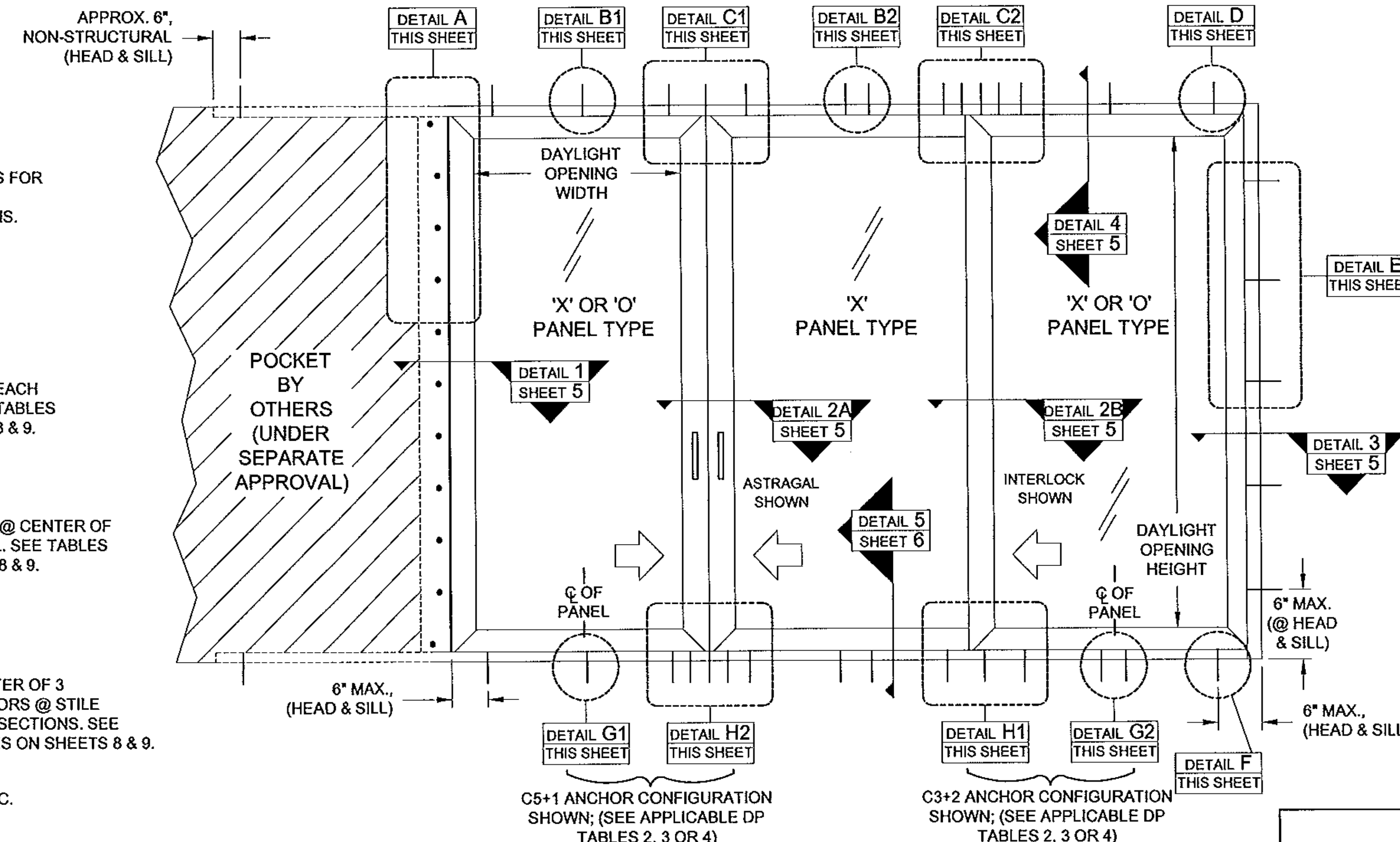
Description:	Drawn By:
ANCHOR LOCATIONS (2 TRACKS)	J ROSOWSKI

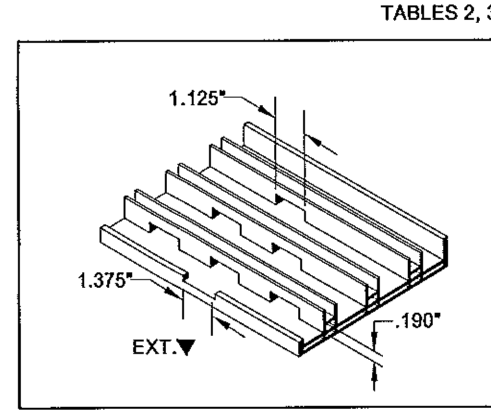
Title:	Date:
VINYL SGD INSTALLATION GUIDELINES	11/18/10

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
570/2770	NTS	2 OF 13	MD-SGD570-01	B

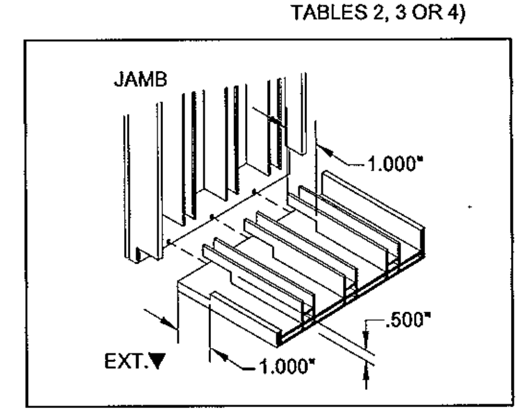
3-TRACK CONFIGURATIONS







WEEPHOLE PATTERN @ 24" O.C.



WEEPHOLE PATTERN @ SILL ENDS

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 13-1125.05
Expiration Date 4/14/16
By Ishaq I. Chanda
Miami Dade Product Control

NOTES:
1) FOR CONFIGURATIONS, SEE SHEET 12.
2) FOR ANCHOR EDGE DISTANCE AND EMBEDMENT, SEE TABLE 1 SHEET 6.
3) DAYLIGHT OPENING (DLO) FORMULAS:
WIDTH: PANEL WIDTH - 8-9/16"
HEIGHT: PANEL HEIGHT - 8-9/16"
4) PANEL HEIGHT = FRAME HEIGHT - 2.5"

ANTHONY LYNN MILLER
LICENSE
No. 58705
2/4/14
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

PGT®

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

CERT. OF AUTH. #29296

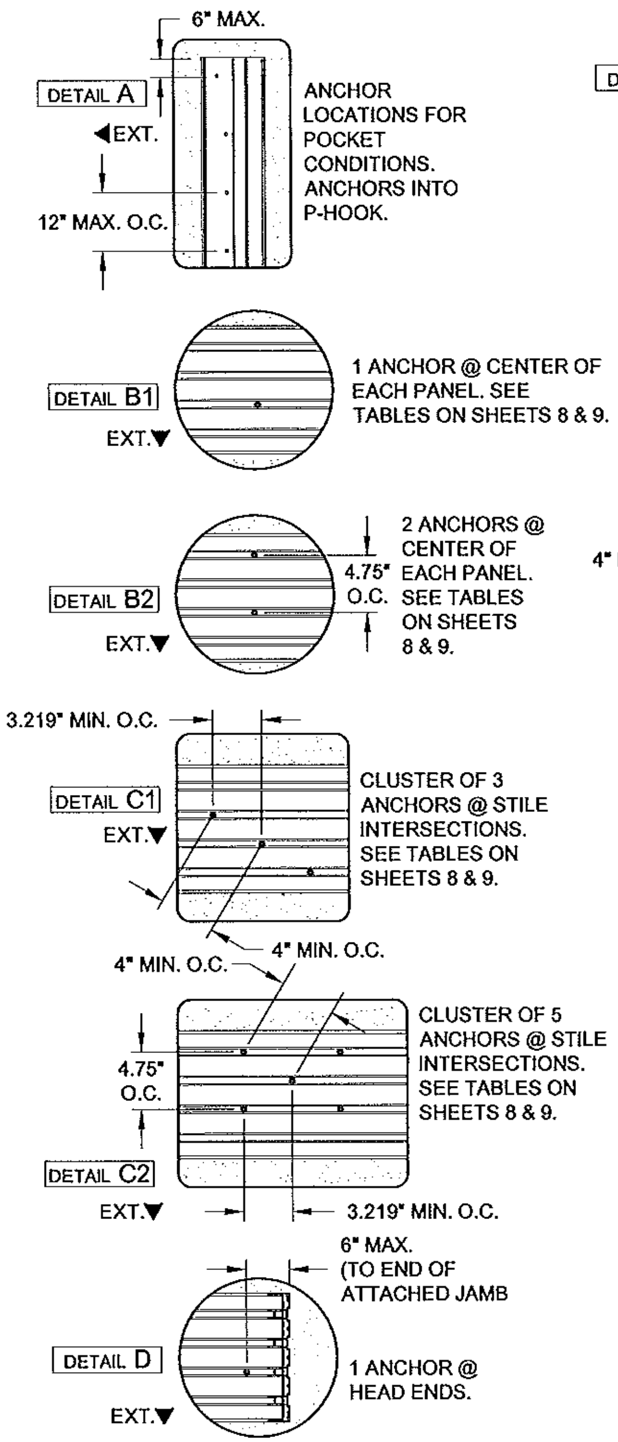
Revised By:	Date:	Revision:
J.J.	10/11/11	FBC 2010 CODE
J.R.	11/05/13	DETAIL E

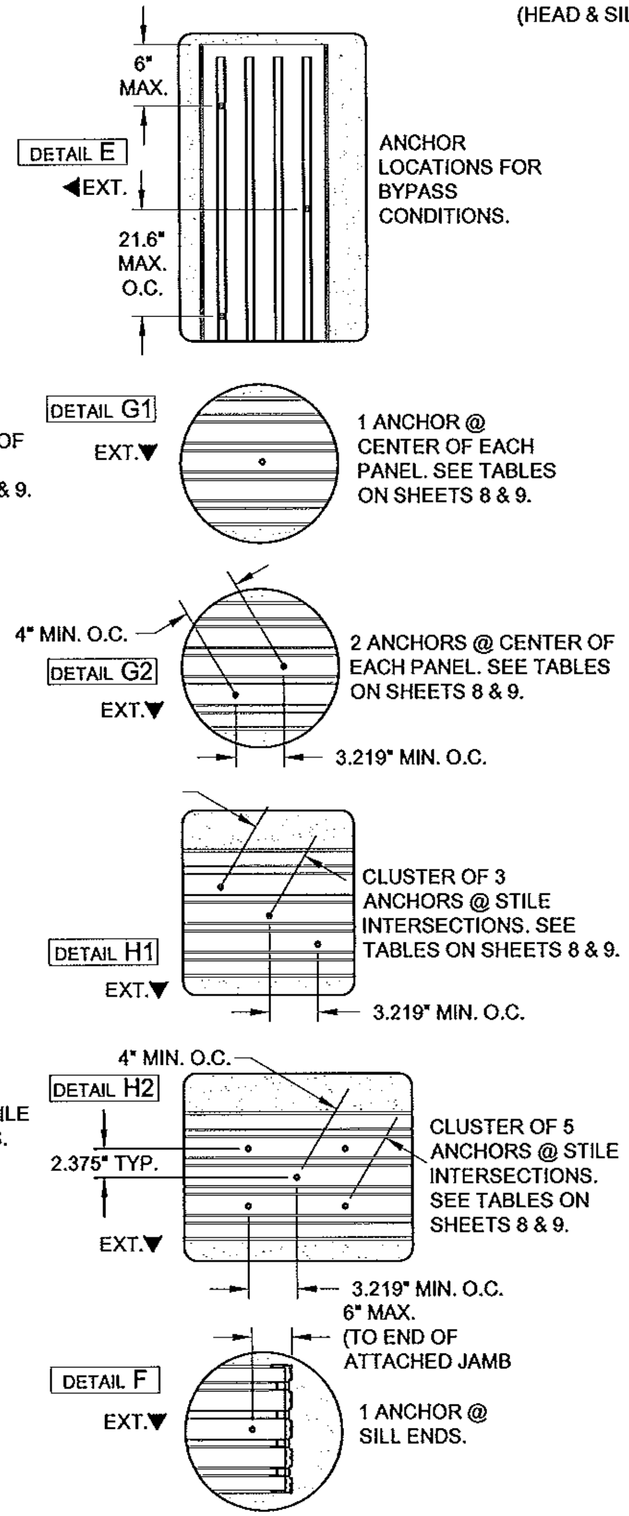
Description:	Drawn By:
ANCHOR LOCATIONS (3 TRACKS)	J ROSOWSKI

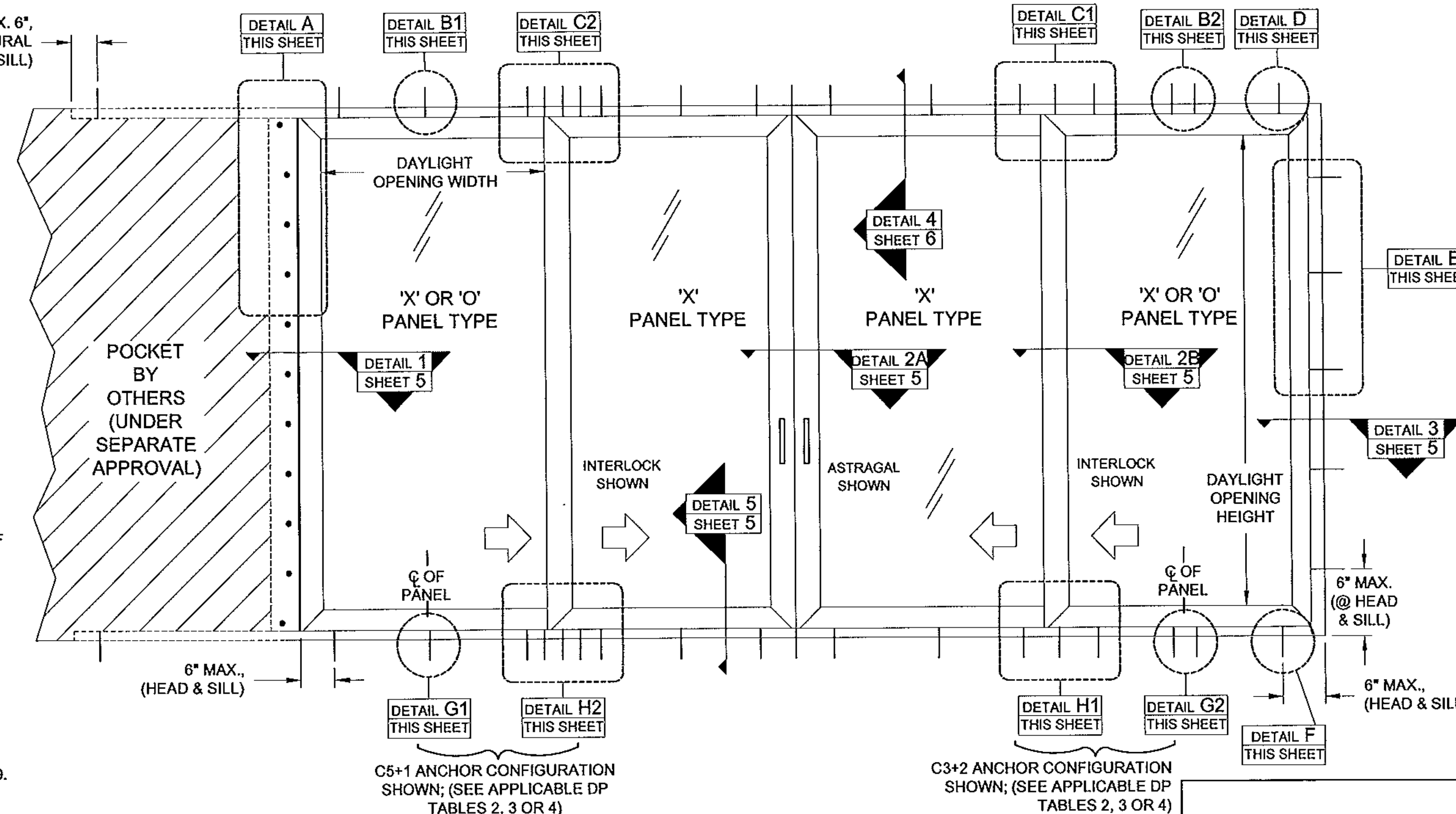
Title:	Date:
VINYL SGD INSTALLATION GUIDELINES	11/18/10

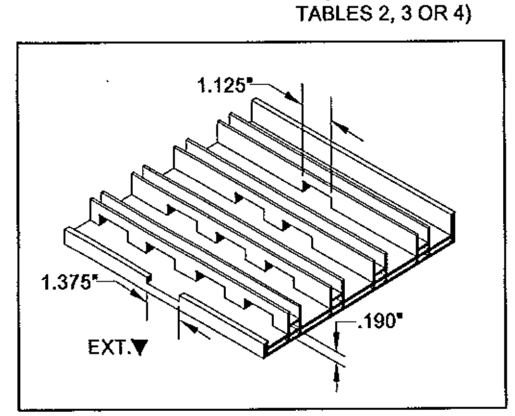
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
570/2770	NTS	3 OF 13	MD-SGD570-01	B

4-TRACK CONFIGURATIONS

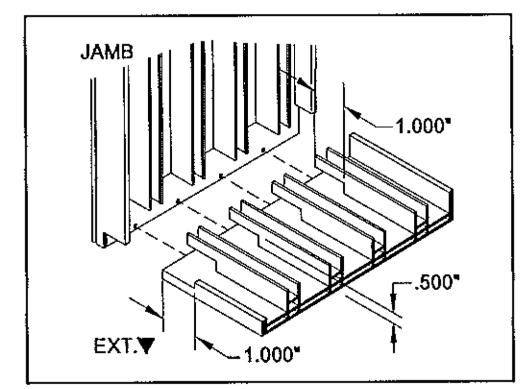








WEEPHOLE PATTERN @ 24" O.C.



WEEPHOLE PATTERN @ SILL ENDS

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 13-1125.05 Expiration Date 4/14/16 By Ishaq I. Chanda Miami Dade Product Control

NOTES:
1) FOR CONFIGURATIONS, SEE SHEET 12.
2) FOR ANCHOR EDGE DISTANCE AND EMBEDMENT, SEE TABLE 1 SHEET 6.
3) DAYLIGHT OPENING (DLO) FORMULAS:
WIDTH: PANEL WIDTH - 8-9/16"
HEIGHT: PANEL HEIGHT - 8-9/16"
4) PANEL HEIGHT = FRAME HEIGHT - 2.5"

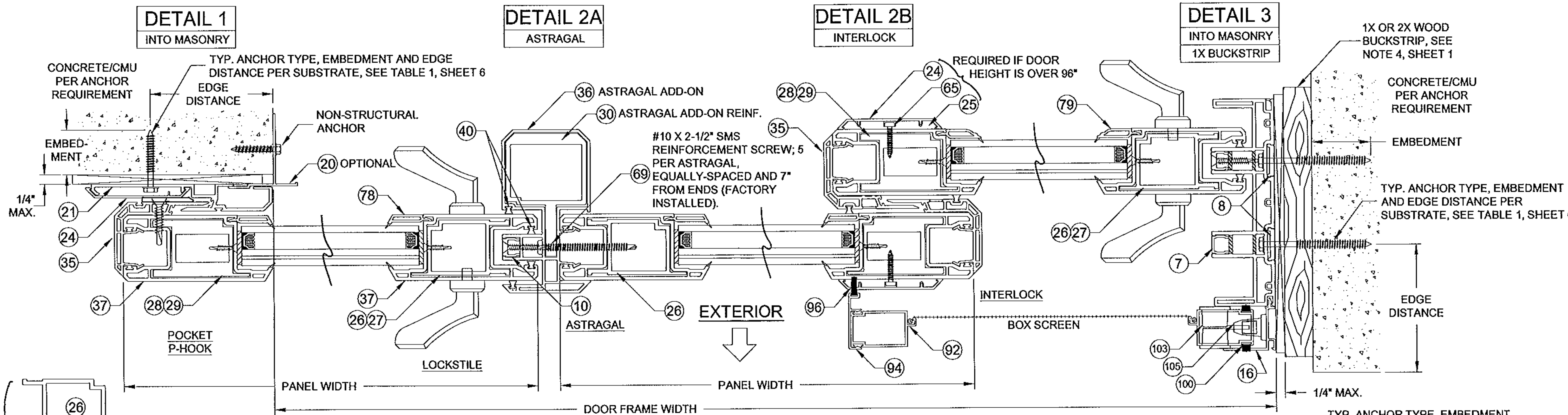
ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
2/4/14
A. LYNN MILLER, P.E.
P.E.# 58705

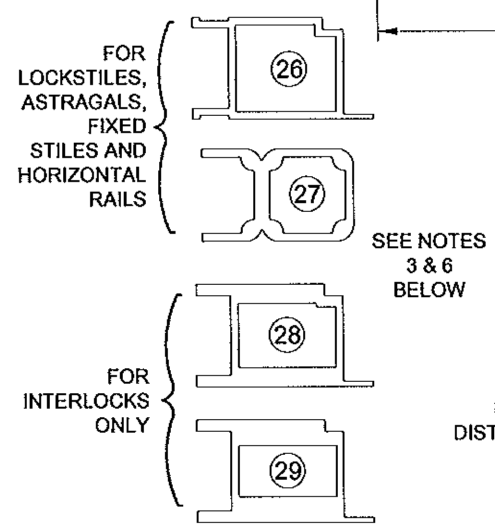
PGT®
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274
CERT. OF AUTH. #29296

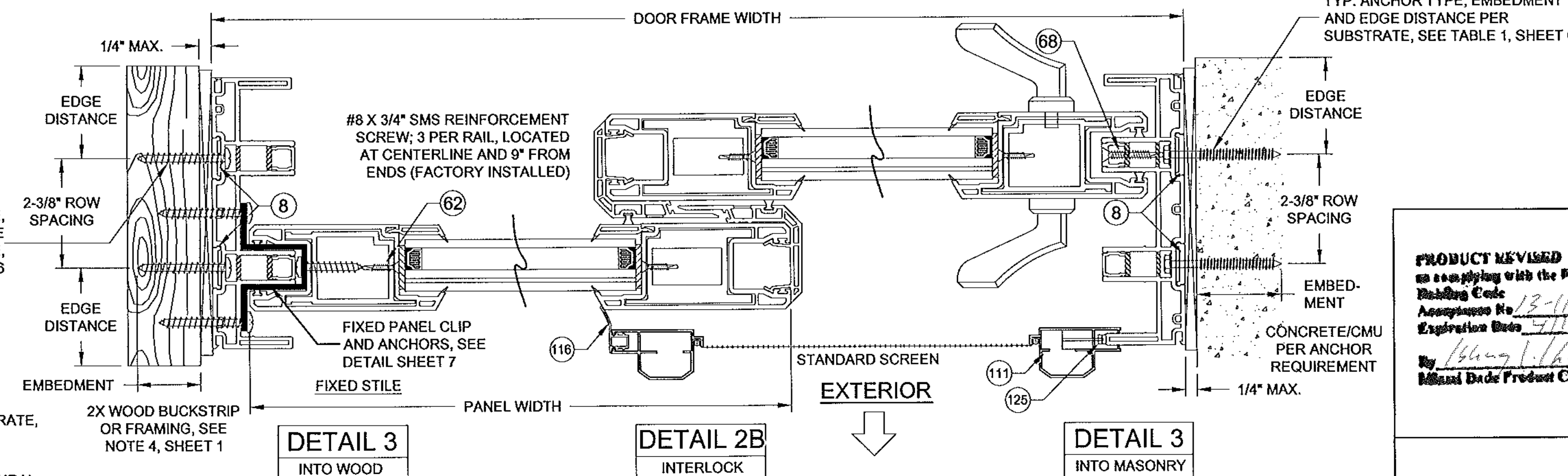
Revised By:	Date:	Revision:
	10/11/11	FBC 2010 CODE
J.R.	11/05/13	DETAIL E

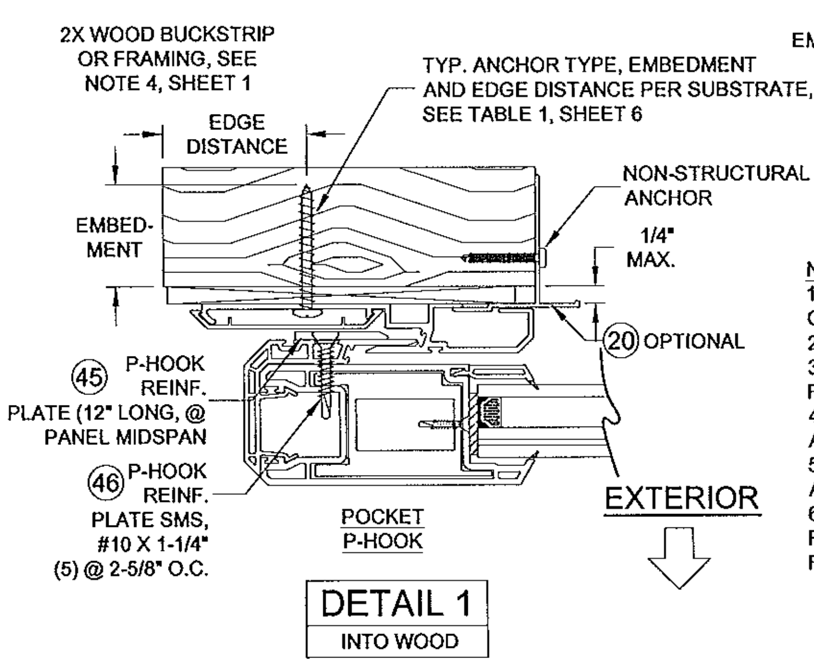
Description: ANCHOR LOCATIONS (4 TRACKS)	Drawn By: J ROSOWSKI
Title: VINYL SGD INSTALLATION GUIDELINES	Date: 11/18/10

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
570/2770	NTS	4 OF 13	MD-SGD570-01	B









NOTES
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) SEE SHEETS 2-4 FOR ANCHOR LOCATION & SPACING.
3) SEE TABLES 2-4 FOR REINFORCEMENT REQUIREMENTS.
4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR ASTRAGAL ADD-ON.
6) ALL REINFORCEMENTS ARE APPROXIMATELY THE FULL LENGTH OF THE EXTRUSION. REFER TO TEST REPORTS FOR EXACT DIMENSIONS.

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 13-1125.05
Expiration Date 4/4/16
By [signature]
Miami Dade Product Control

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2/4/14
A. LYNN MILLER, P.E.
P.E.# 58705

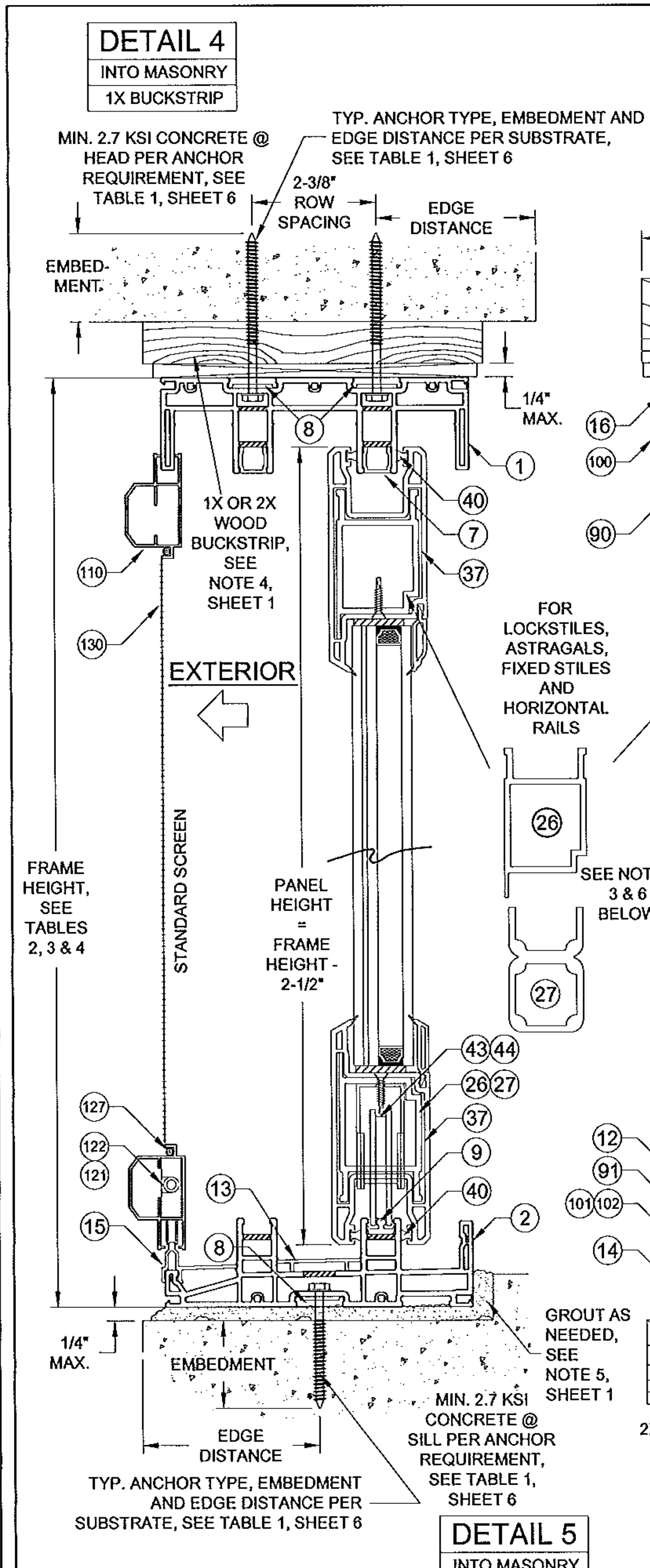
PGT®

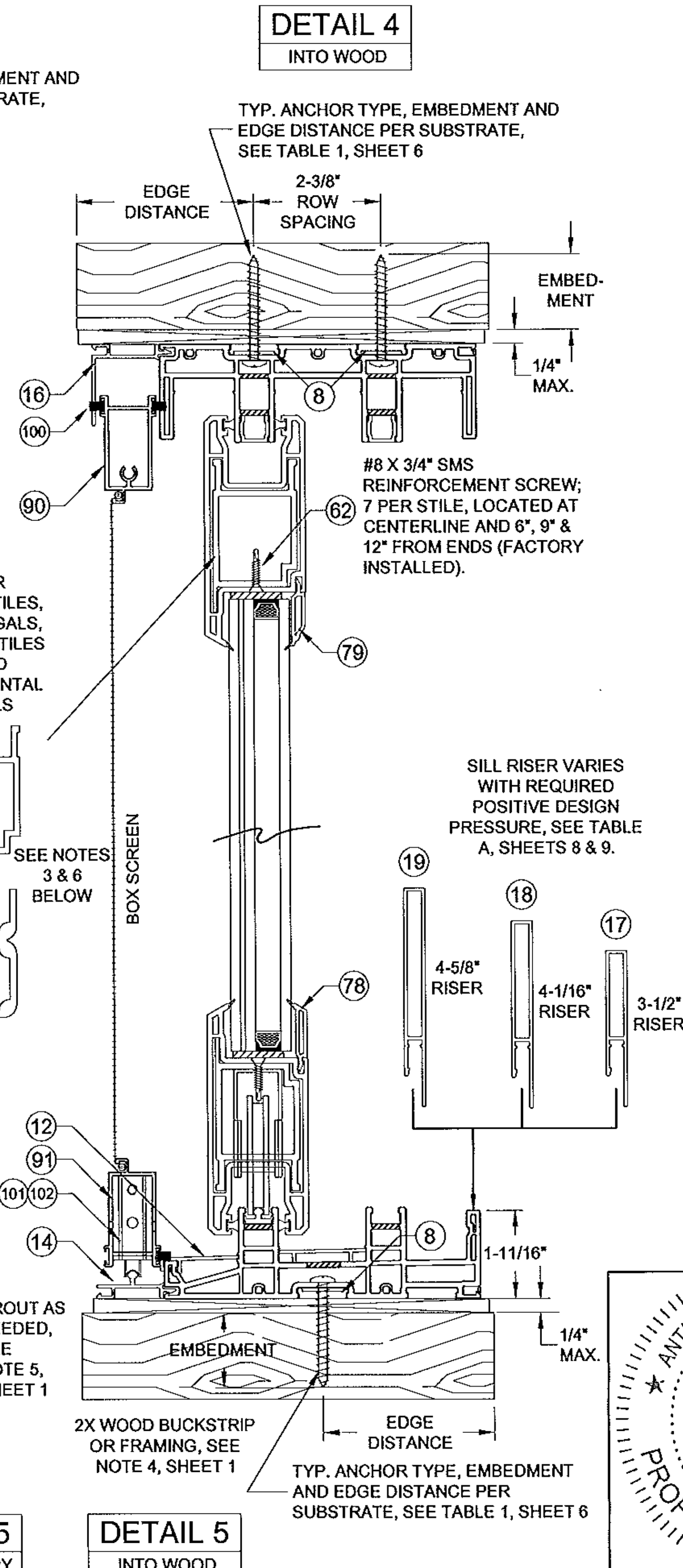
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

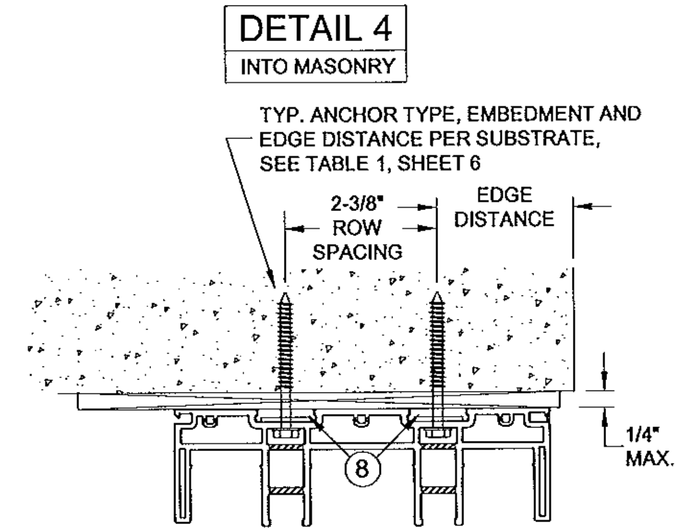
CERT. OF AUTH. #29296

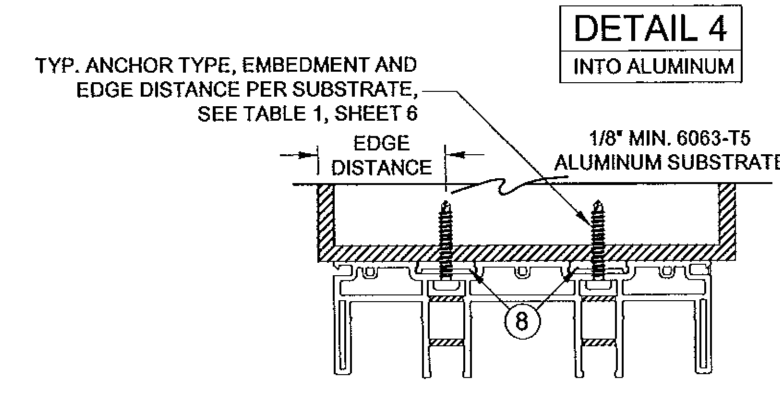
Revised By:	Date:	Revision:
J.J.	10/11/11	FBC 2010 CODE
J.R.	11/05/13	N/A THIS SHEET

Description:				Drawn By:	
HORIZONTAL INSTALLATION DETAILS				J ROSOWSKI	
Title: VINYL SGD INSTALLATION GUIDELINES				Date: 11/18/10	
Series/Model: 570/2770	Scale: NTS	Sheet: 5 OF 13		Drawing No. MD-SGD570-01	Rev: B

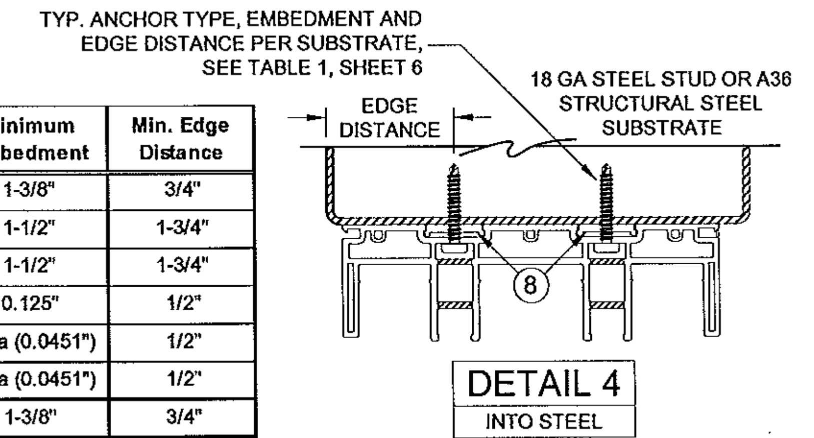








METAL SUBSTRATES TO BE PROPERLY DESIGNED TO TRANSFER LOAD IMPOSED ON THEM

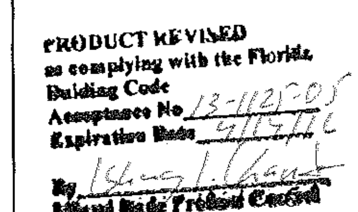


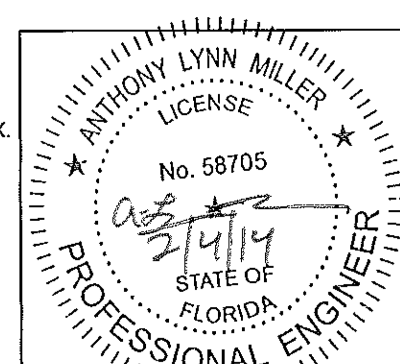
METAL SUBSTRATE DETAILS SHOWN FOR HEAD (SIMILAR DETAILS APPLY TO FRAME JAMB AND SILL, EXCEPT POCKET JAMB)

TABLE 1, ANCHOR TYPES:

Type	Substrate	Anchor	Minimum Embedment	Min. Edge Distance
A	P.T. Southern Pine (SG = .55)	#12 Sheet Metal Screw (G5)	1-3/8"	3/4"
		1/4" Elco UltraCon	1-1/2"	1-3/4"
		1/4" Elco Crete-Flex SS4	1-1/2"	1-3/4"
	Aluminum, 6063-T5 min.	#12 Sheet Metal Screw (G5)	0.125"	1/2"
	Steel Stud, Gr. 33 min.	#12 Sheet Metal Screw (G5)	18ga (0.0451")	1/2"
	A36 Steel	#12 Sheet Metal Screw (G5)	18ga (0.0451")	1/2"
B	P.T. Southern Pine (SG = .55)	#12 Wood Screw (G5)	1-3/8"	3/4"
C	Concrete (min. 2.7 ksi)	1/4" Elco UltraCon	1-3/8"	1"
	Concrete (min. 3.35 ksi)	1/4" Elco Crete-Flex SS4	1-3/4"	1"
	Ungrouted CMU, Jambs Only (ASTM C-90)	1/4" Elco UltraCon	1-1/4"	1"
		1/4" Elco Crete-Flex SS4	1-1/4"	1-3/4"
D	Concrete (min. 2.7 ksi)	1/4" Elco UltraCon	1-3/8"	2-1/2"
	Concrete (min. 3.35 ksi)	1/4" Elco Crete-Flex SS4	1-3/4"	2-1/2"
	Ungrouted CMU, Jambs Only (ASTM C-90)	1/4" Elco UltraCon	1-1/4"	2-1/2"
		1/4" Elco Crete-Flex SS4	1-1/4"	2-1/2"

NOTES
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) SEE SHEETS 2-4 FOR ANCHOR LOCATION & SPACING.
3) SEE TABLES 2-4 FOR REINFORCEMENT REQUIREMENTS.
4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR ASTRAGAL ADD-ON.
6) ALL REINFORCEMENTS ARE APPROXIMATELY THE FULL LENGTH OF THE EXTRUSION. REFER TO TEST REPORTS FOR EXACT DIMENSIONS.





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

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

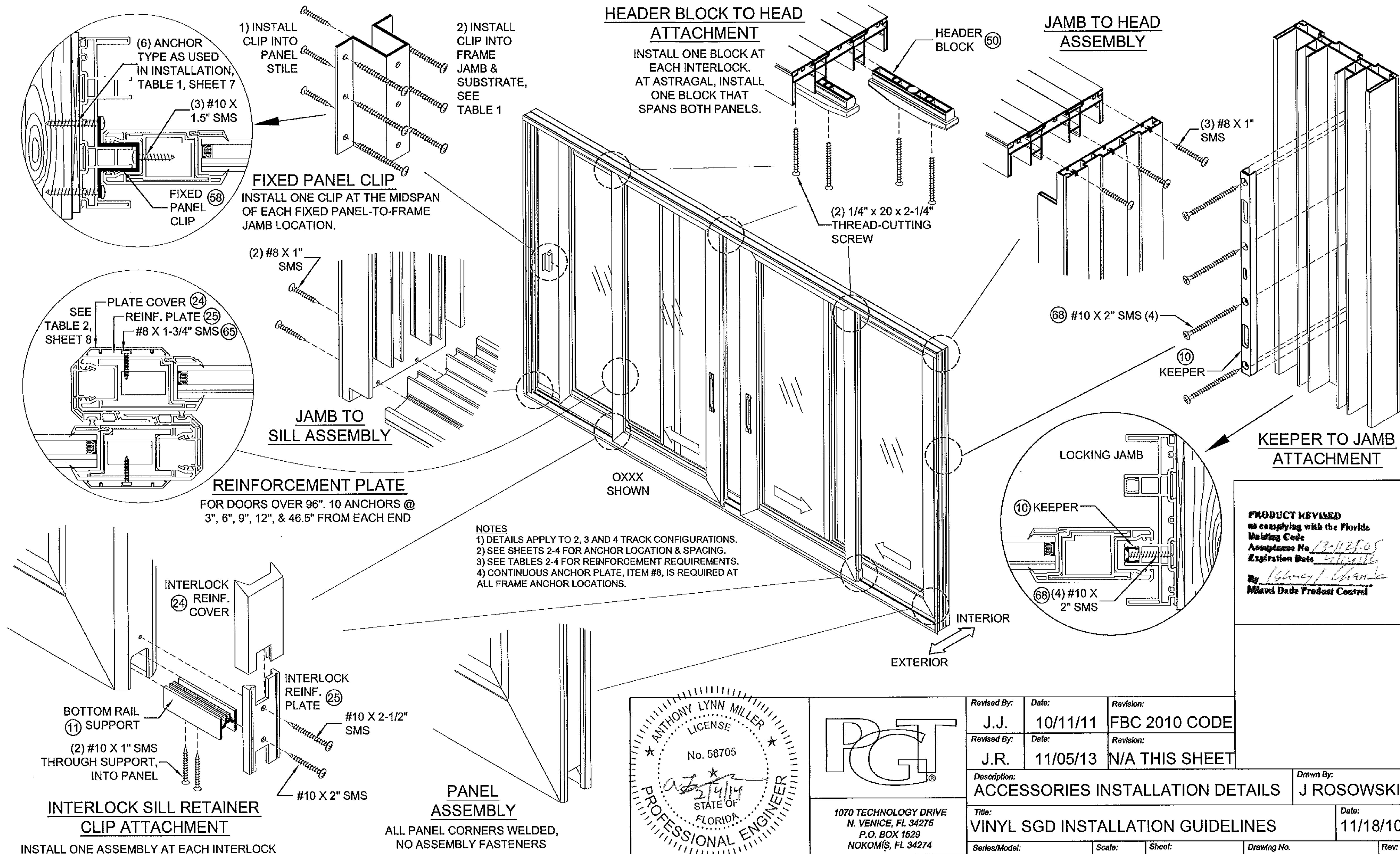
CERT. OF AUTH. #29296

Revised By:	Date:	Revision:
J.J.	10/11/11	FBC 2010 CODE
J.R.	11/05/13	N/A THIS SHEET

Description:	Drawn By:
VERTICAL INSTALLATION DETAILS	J ROSOWSKI

Title:	Date:
VINYL SGD INSTALLATION GUIDELINES	11/18/10

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
570/2770	NTS	6 OF 13	MD-SGD570-01	B



NOTES
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) SEE SHEETS 2-4 FOR ANCHOR LOCATION & SPACING.
3) SEE TABLES 2-4 FOR REINFORCEMENT REQUIREMENTS.
4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 13-1125.05
Expiration Date 5/11/16
By [signature]
Miami Dade Product Control

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2/4/14
A. LYNN MILLER, P.E.
P.E.# 58705

PGT

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

CERT. OF AUTH. #29296

Revised By:	Date:	Revision:
J.J.	10/11/11	FBC 2010 CODE
J.R.	11/05/13	N/A THIS SHEET

Description:	Drawn By:
ACCESSORIES INSTALLATION DETAILS	J ROSOWSKI

Title:	Date:
VINYL SGD INSTALLATION GUIDELINES	11/18/10

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
570/2770	NTS	7 OF 13	MD-SGD570-01	B

TABLE 2:

3/16" HS GLASS + .090" SG INTERLAYER + 3/16" HS GLASS + 7/16" AIR SPACE + 3/16" T INT. CAP

Series 570 & 2770 Anchor Quantities and Design Pressures

FRAME HEIGHT (IN)

NOM. PANEL WIDTH (IN)	FRAME SIDE	8-PANEL MAXIMUM CONFIGURATION												4-PANEL MAXIMUM CONFIGURATION							
		80				84				96				108				120			
		Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D
24	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11
	Design	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
	Pressure	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0
30	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11
	Design	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
	Pressure	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0
36	Head & Sill	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C5+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C5+1	C5+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	6	5	6	6	6	6	6	6	6	6
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11
	Design	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
	Pressure	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0
42	Head & Sill	C5+2	C3+2	C3+1	C3+1	C5+2	C5+2	C3+1	C3+1	C5+2	C5+2	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1
	Jamb	5	5	6	5	5	5	6	5	6	5	7	5	6	6	6	6	6	6	7	6
	P-hook	8	8	8	8	8	8	8	8	10	9	9	9	10	10	10	10	11	11	11	11
	Design	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
	Pressure	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0
48	Head & Sill	C5+2	C5+2	C3+2	C3+1	C5+2	C5+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1	C5+2	C5+2	C5+1	C3+1	C5+2	C5+2	C5+1	C3+1
	Jamb	6	5	7	5	6	5	7	5	7	6	8	5	6	6	7	6	7	6	8	6
	P-hook	9	8	8	8	10	8	8	8	11	9	9	9	10	10	10	10	11	11	11	11
	Design	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
	Pressure	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0
54	Head & Sill	C5+2	C5+2	C3+2	C3+2	C5+2	C5+2	C5+2	C3+2	C5+2	C5+2	C5+2	C3+2								
	Jamb	6	5	7	5	6	6	8	5	7	6	9	5								
	P-hook	10	8	8	8	11	8	8	8	12	9	9	9								
	Design	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0								
	Pressure	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0								
60	Head & Sill	C5+2	C5+2	C5+2	C3+2	C5+2	C5+2	C5+2	C3+2	C5+2	C5+2	C5+2	C3+2								
	Jamb	6	6	8	5	6	6	8	5	7	7	10	5								
	P-hook	10	8	8	8	10	8	8	8	11	9	10	10								
	Design	+67.0	+80.0	+80.0	+80.0	+67.0	+80.0	+80.0	+80.0	+67.0	+80.0	+80.0	+80.0								
	Pressure	-67.0	-80.0	-80.0	-80.0	-67.0	-80.0	-80.0	-80.0	-67.0	-80.0	-80.0	-80.0								

Reinforcements Required, (See Parts on Sheet 10)						Glass Type
Interlock	Lock/Fixed Stile	Astragal	Astragal Addon	Top/Bottom Rail	Plate (Part# 24, 25)	
Part# 29	Part# 26	Part# 26	Part# 30	Part# 26	Required for Heights over 96"	A

TABLE A:

Water-Limited (+) Design Pressure		
Nominal Sill Height	Actual Sill Height	Max. (+) DP Allowed
1-11/16"	1.688"	See 2) at right
3-1/2"	3.464"	+60.0 psf
4-1/16"	4.037"	+80.0 psf
4-5/8"	4.614"	+100.0 psf

1) THE LESSER VALUE OF TABLE A AND TABLE 2 DETERMINES THE WATER LIMITED (+) DP.
2) THE 1-11/16" SILL MAY ONLY BE USED WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1. IF SO, (+) DP'S SHOWN IN TABLE 2 MAY BE USED.

NOTES
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) SEE SHEETS 2-4 FOR ANCHOR LOCATION & SPACING.
3) SEE TABLES 2-4 FOR REINFORCEMENT REQUIREMENTS.
4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR ASTRAGAL ADD-ON.
6) SEE SHEET 2 FOR APPLICABLE DLO PER PANEL SIZE.

TOTAL # OF ANCHORS CLUSTERED THROUGH THE HEAD & SILL AT EACH PANEL MEETING POINT. (EX: FOR C3+1, 3 ANCHORS REQUIRED AT PANEL MEETING POINT AND 1 ANCHOR REQUIRED AT MIDSPAN OF PANEL).

ANCHORAGE TYPE PER SUBSTRATE REQUIRED TO ACHIEVE THE DESIGN PRESSURE, USING THE ANCHOR QUANTITIES LISTED BELOW. SEE TABLE 1, SHEET 6, FOR COMPLETE ANCHOR LIMITATIONS.

TABLE KEY:

NOM. PANEL WIDTH (IN)	FRAME SIDE	A
24	Head & Sill	C3+1
	Jamb	5
	P-hook	8
	Design Pressure	+80.0
		-80.0

$$\text{NOM. PANEL WIDTH} = \frac{\text{FRAME WIDTH}}{\text{\# OF PANELS}}$$

THE MAXIMUM NEGATIVE DESIGN PRESSURE AT THESE ANCHOR QUANTITIES.

THE MAXIMUM POSITIVE DP AT THESE ANCHOR QUANTITIES. ADDITIONALLY, THE MAXIMUM DP FOR THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE A, THIS SHEET.

TOTAL # OF ANCHORS THROUGH THE P-HOOK.

TOTAL # OF ANCHORS THROUGH THE JAMB.

FIG 1:

OH LENGTH

OH HEIGHT

DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) RATIO IS EQUAL TO OR MORE THAN 1 IS EXEMPTED FROM WATER INFILTRATION RESISTANCE. THE OVERHANG RATIO SHALL BE CALCULATED BY THE FOLLOWING EQUATION:

OH RATIO = OH LENGTH/OH HEIGHT

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 13-1125.05 Expiration Date 9/14/16 By [signature] Miami Dade Product Control

ANTHONY LYNN MILLER LICENSE No. 58705 2/4/14 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

Drawn By: J ROSOWSKI | Date: 11/18/10 | Rev: B
Revised By: J.J. | Date: 10/11/11 | Revision: FBC 2010 CODE
Revised By: J.R. | Date: 11/05/13 | Revision: TABLE 1, REM 2870
Description: DESIGN PRESSURE TABLE 2
Title: VINYL SGD INSTALLATION GUIDELINES
Series/Model: 570/2770 | Scale: NTS | Sheet: 8 OF 13 | Drawing No. MD-SGD570-01

PGT
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274
CERT. OF AUTH. #29296

TABLE 3:

3/16" HS GLASS + .090" SG INTERLAYER + 3/16" HS GLASS + 7/16" AIR SPACE + 3/16" T INT. CAP		Series 2770 Anchor Quantities and Design Pressures											
		FRAME HEIGHT (IN)											
		8-PANEL MAXIMUM CONFIGURATION											
		80				84				96			
NOM. PANEL WIDTH (IN)	FRAME SIDE	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D
24	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0
		-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0
30	Head & Sill	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C5+1	C5+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	6	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0
		-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0
36	Head & Sill	C5+2	C5+1	C3+1	C3+1	C5+2	C5+1	C5+1	C3+1	C5+2	C5+1	C5+1	C3+1
	Jamb	5	5	6	5	5	5	6	5	6	5	7	5
	P-hook	9	8	8	8	9	8	8	8	10	9	9	9
	Design Pressure	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0
		-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0
42	Head & Sill	C5+2	C5+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1
	Jamb	6	5	7	5	6	6	7	5	7	6	8	5
	P-hook	10	8	8	8	10	8	8	8	11	9	9	9
	Design Pressure	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+96.0	+100.0	+100.0	+100.0
		-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-96.0	-100.0	-100.0	-100.0
48	Head & Sill	C5+2	C5+2	C5+2	C3+2	C5+2	C5+2	C5+2	C3+2	C5+2	C5+2	C5+2	C5+2
	Jamb	7	6	8	5	7	6	8	5	7	7	10	5
	P-hook	11	8	8	8	12	8	8	8	12	9	10	10
	Design Pressure	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+87.0	+100.0	+100.0	+100.0
		-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-87.0	-100.0	-100.0	-100.0

Reinforcements Required, (See Parts on Sheet 10)					Glass Type, (See Sheet 1)
Interlock	Lock/Fixed Stile	Astragal	Astragal Addon	Top/Bottom Rail	
Part# 29	Part# 26	Part# 26	Part# 30	Part# 26	A

TABLE 4:

3/16" HS GLASS + .090" PVB INTERLAYER + 3/16" AN GLASS + 7/16" AIR SPACE + 3/16" T INT. CAP		Series 570 & 2770 Anchor Quantities and Design Pressures											
		FRAME HEIGHT (IN)											
		8-PANEL MAXIMUM CONFIGURATION											
		80				84				96			
NOM. PANEL WIDTH (IN)	FRAME SIDE	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D
24	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
		-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0
30	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
		-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0
36	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
		-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0
42	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
		-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0
48	Head & Sill	C3+2	C3+1	C3+1	C3+1	C3+2	C3+1	C3+1	C3+1	C5+2	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	6	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
		-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0

	Reinforcements Required, (See Parts on Sheet 10)					Glass Type, (See Sheet 1)
	Interlock	Lock/Fixed Stile	Astragal	Astragal Addon	Top/Bottom Rail	
Standard	Part# 28	Part# 26	Part# 26	Part# 30	Part# 26	B
Thermal-Option	Part# 28	Part# 27	Part# 27	Part# 30	Part# 27	B,C

TABLE KEY:

NOM. PANEL WIDTH (IN)	FRAME SIDE	A
24	Head & Sill	C3+1
	Jamb	5
	P-hook	8
	Design Pressure	+100.0
		-100.0

A: ANCHORAGE TYPE PER SUBSTRATE REQUIRED TO ACHIEVE THE DESIGN PRESSURE, USING THE ANCHOR QUANTIES LISTED BELOW. SEE TABLE 1, SHEET 6 FOR COMPLETE ANCHOR LIMITATIONS.

C3+1: TOTAL # OF ANCHORS CLUSTERED THROUGH THE HEAD & SILL AT EACH PANEL MEETING POINT. (EX: FOR C3+1, 3 ANCHORS REQUIRED AT PANEL MEETING POINT AND 1 ANCHOR REQUIRED AT MIDSPAN OF PANEL).

5: TOTAL # OF ANCHORS THROUGH THE JAMB.

8: TOTAL # OF ANCHORS THROUGH THE P-HOOK.

+100.0: THE MAXIMUM POSITIVE DP AT THESE ANCHOR QUANTITIES. ADDITIONALLY, THE MAXIMUM DP FOR THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE A, THIS SHEET.

-100.0: THE MAXIMUM NEGATIVE DESIGN PRESSURE AT THESE ANCHOR QUANTITIES.

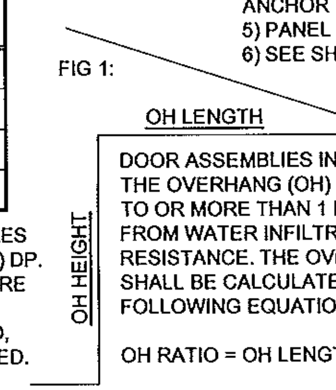
NOM. PANEL WIDTH = FRAME WIDTH / # OF PANELS

TABLE A:

Water-Limited (+) Design Pressure		
Nominal Sill Height	Actual Sill Height	Max. (+) DP Allowed
1-11/16"	1.688"	See 2) below
3-1/2"	3.464"	+60.0 psf
4-1/16"	4.037"	+80.0 psf
4-5/8"	4.614"	+100.0 psf

1) THE LESSER VALUE OF TABLE A AND TABLES 3 AND 4 DETERMINES THE WATER LIMITED (+) DP.
2) THE 1-11/16" SILL MAY ONLY BE USED WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1. IF SO, +DP'S SHOWN IN TABLES 3 AND 4 MAY BE USED.

FIG 1:



DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) RATIO IS EQUAL TO OR MORE THAN 1 IS EXEMPTED FROM WATER INFILTRATION RESISTANCE. THE OVERHANG RATIO SHALL BE CALCULATED BY THE FOLLOWING EQUATION:

OH RATIO = OH LENGTH/OH HEIGHT

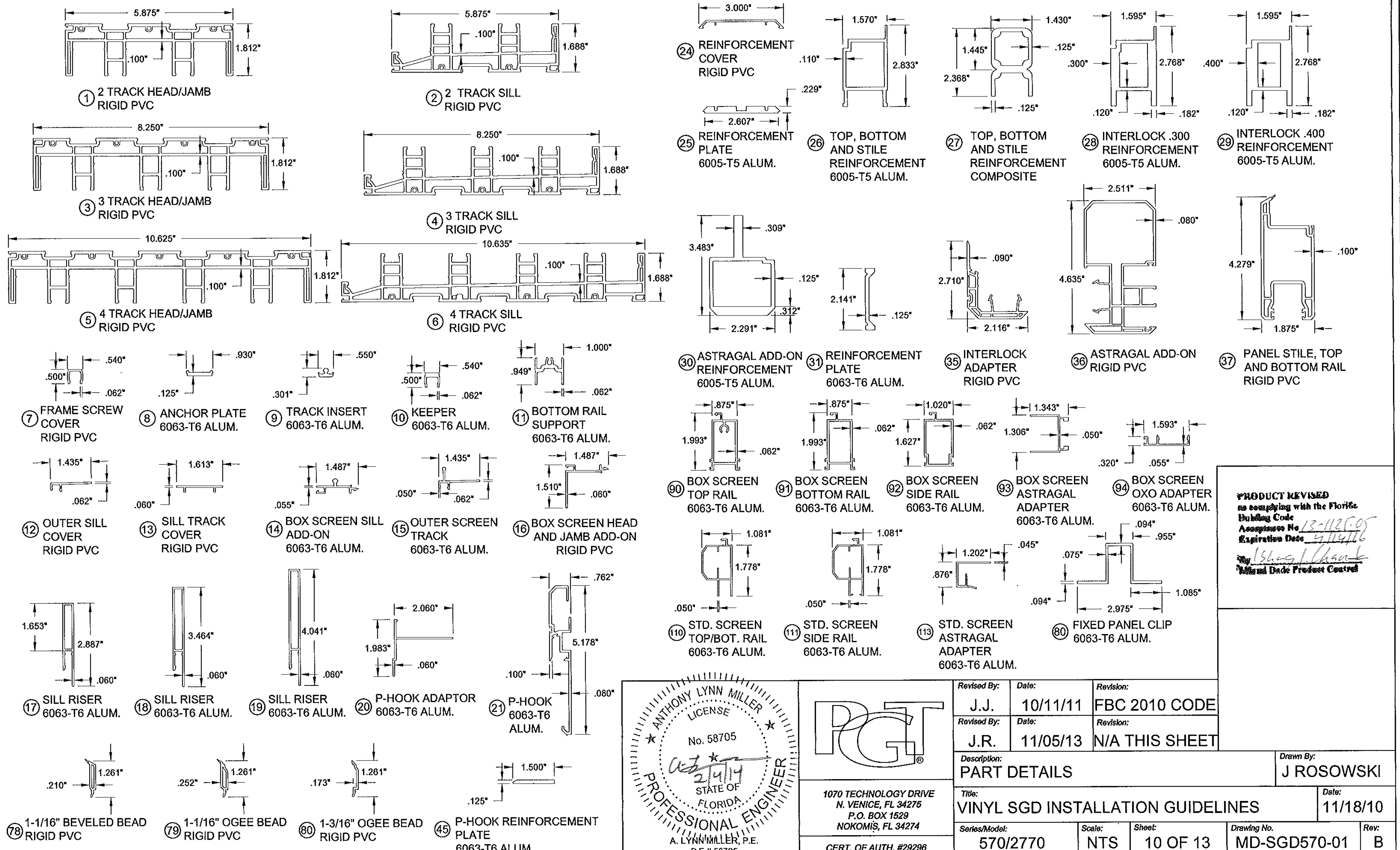
NOTES
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) SEE SHEETS 2-4 FOR ANCHOR LOCATION & SPACING.
3) SEE TABLES 2-4 FOR REINFORCEMENT REQUIREMENTS.
4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR ASTRAGAL ADD-ON.
6) SEE SHEET 2 FOR APPLICABLE DLO PER PANEL SIZE.

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 13-1125.05
Expiration Date 4/14/16
By [signature]
Miami Dade Product Control

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

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274
CERT. OF AUTH. #29296

Drawn By: J ROSOWSKI	Date: 11/18/10	Rev: B
Revised By: J.J.	Date: 10/11/11	Revision: FBC 2010 CODE
Revised By: J.R.	Date: 11/05/13	Revision: TABLE 1, REM 2870
Description: DESIGN PRESSURE TABLES 3 & 4		
Title: VINYL SGD INSTALLATION GUIDELINES		
Series/Model: 570/2770	Scale: NTS	Sheet: 9 OF 13
Drawing No. MD-SGD570-01		



PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 13-1125.05
Expiration Date 5/14/16
By Ishaq I. Chanda
Miami Dade Product Control

ANTHONY LYNN MILLER
LICENSE
No. 58705
2/4/14
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

PGT®

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

CERT. OF AUTH. #29296

Revised By:	Date:	Revision:
J.J.	10/11/11	FBC 2010 CODE
J.R.	11/05/13	N/A THIS SHEET

Description: PART DETAILS

Drawn By: J ROSOWSKI

Title: VINYL SGD INSTALLATION GUIDELINES

Date: 11/18/10

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
570/2770	NTS	10 OF 13	MD-SGD570-01	B

Part #	PGT. #	Description
1	619001	2-Track Head/Jamb
2	619002	2-Track Sill
3	619025	3-Track Head/Jamb
4	619026	3-Track Sill
5	619027	4-Track Head/Jamb
6	619028	4-Track Sill
7	619009	Frame Screw Cover
8	619031	Anchor Plate
9	619007	Track Insert
10	619029M	Aluminum Keeper
11	619036	Bottom Rail Support
12	619006	Outer Sill Cover
13	619011	Sill Track Cover
14	619039	Box Screen Sill Add-on
15	619012	Outer Screen Track (Standard Screen)
16	619038	Box Screen Head and Jamb Add-on
17	619022A	Sill Riser - (DP60)
18	619023A	Sill Riser - (DP80)
19	619024A	Sill Riser - (DP100)
20	619032	P-Hook Adapter
21	619020	P-Hook
24	619014	Reinforcement Cover
25	619030	Reinforcement Plate
26	619017M	Top, Bottom and Stile Reinf. (Alum)
27	19046	Top, Bottom and Stile Reinf. (Comp.)
28	619018M	Interlock .300 Reinforcement
29	619013M	Interlock .400 Reinforcement
30	619019M	Astragal Reinforcement
31	619035	Reinforcement Plate
35	619005	Interlock Adaptor
36	619008	Astragal Add-on
37	619004	Panel Stile, Top/Bottom Rail
40	718609	.187 x .280 Finseal (Stile)
41	71695K	1-1/2" x 1" x 3/4" Fin Seal Dust Plug
42	419041	Interlock Clip Cover
43	78153X	Tandem S.S. Roller Assy.
44	78153N	Tandem Nylon Roller Assy.
45	619043	P-hook Reinforcement Plate
46	710X125FPSDX	#10 x 1-1/4" Fl PH SMS

Part #	PGT. #	Description
50	419042	Frame Header Block
51	48052	Roller Adj. Hole Plug
52	41735	SGD Panel Come-along
53	41736	SGD Panel Come-along Cover
55	71696	Dust Plug
56	44385	4 Hole Bumper Stop
58	619037M	Fixed Panel Clip
59	71696G	Sill Plug
61	78X38PPTX	#8 x 3/8" Ph. Pn. TEK Screw
62	78X34PPSDAX	#8 x 3/4" Fl. Ph. TEK - S.S.
63	781PSTX	#8 x 1" Quad - S.S..
64	781PQX	#8 x 1" Pn Quad - S.S.
65	78X114PHPT410X	#8 x 1-1/4" Ph. Pn. TEK
66	710X1PPSDAXX	#10 x 1" Ph. Pn. TEK - S.S.
67	710X115PPX	#10 x 1-1/2" Ph. Pn Keeper Screws
68	710X2PPX	#10 x 2" Ph. Fl S.S. Screw
69	710X212PPDAX	#10 x 2-1/2" Pn Ph. Tek S.S.
70	712X112PP	#12 x 1-1/2" Ph. Pn. A
71		GE 7700 Silicone
72		Dow Corning 995 Silicone
73	71726K	Neoprene Setting Block 1"x4"x1/16"
74		Metal Spacer - 9/32"
75		Urethane IG Sealer
76		Silicone-Foam Super Spacer - 7/16"
77		Hot-melt Butyl
78	619010	1-1/16" Beveled Bead
79	619015	1-1/16" Ogee Bead
80	619016	1-3/16" Ogee Bead
82	62139	Ogee Vinyl Muntin
83	63609	Insulated Glass Muntin - Horizontal
84	4CONN	I.G. Intersection
85	7558K	I.G. Gridlock Clip - 7/16"
86	7560K	I.G. Gridlock Clip - 5/16"

Part #	PGT. #	Description
		Box Screen
90	612256	Screen Top Rail
91	612257	Screen Bottom Rail
92	612258	Screen Side Rail - Lockstile
93	64344	Screen Astragal
94	617349	OXO Screen Astragal Adapter
95	64428	Screen Double Interlock
96	617347A	Screen Bug Flap
97	41818K	Screen Keeper Spacer Set
98	720X1X	1/4-20 x 1" S.S.
99	720X112X	1/4-20 x 1-1/2" S.S.
100	71793G	Wstp, .270" x .150" - Fin Seal
101	7SRAZ	Standard Roller
102	7SRAX	Standard Roller - S.S.
103	7LOCKWGS	Screen Lockset
104	41818K	Screen Lock Keeper Spacers
105	7SDKEEP	Screen Lock Keeper
		Standard Screen
110	612033	Screen Frame - Top/Bottom Rail
111	612026A	Screen Frame - Side Rail (Latch)
112	612033	Screen Frame - Side Rail
113	617363	OXO Screen Astragal Adapter
114	64853K	Vinyl Astragal
115	617356	Screen Sill Adapter
116	6FP95K	Bug Flap
117	7R42DK	Rivet
118	74X1PA	#4 x 1" Ph. Pn. SMS
119	78X112PSATS	#8 x 1-1/2" Ph. Pn. SMS A Z
120	41703N	Screw Boss Bushing
121	712027	Corner Key Wheel Assy. (Standard)
122	712027SS	Corner Key Wheel Assy. (S.S. w/bearing)
123	41805K	Screen Handle
124	41806	Screen Handle Slide
125	704/6B	Screen Latch Assy.
126	7SNKPN	Screen Keeper
127	61693K	Serrated Screen Spline - .145"
128	61692K	Screen Spline - .165"
129	61694K	Screen Spline - .150"
130	61816C20	Screen Cloth

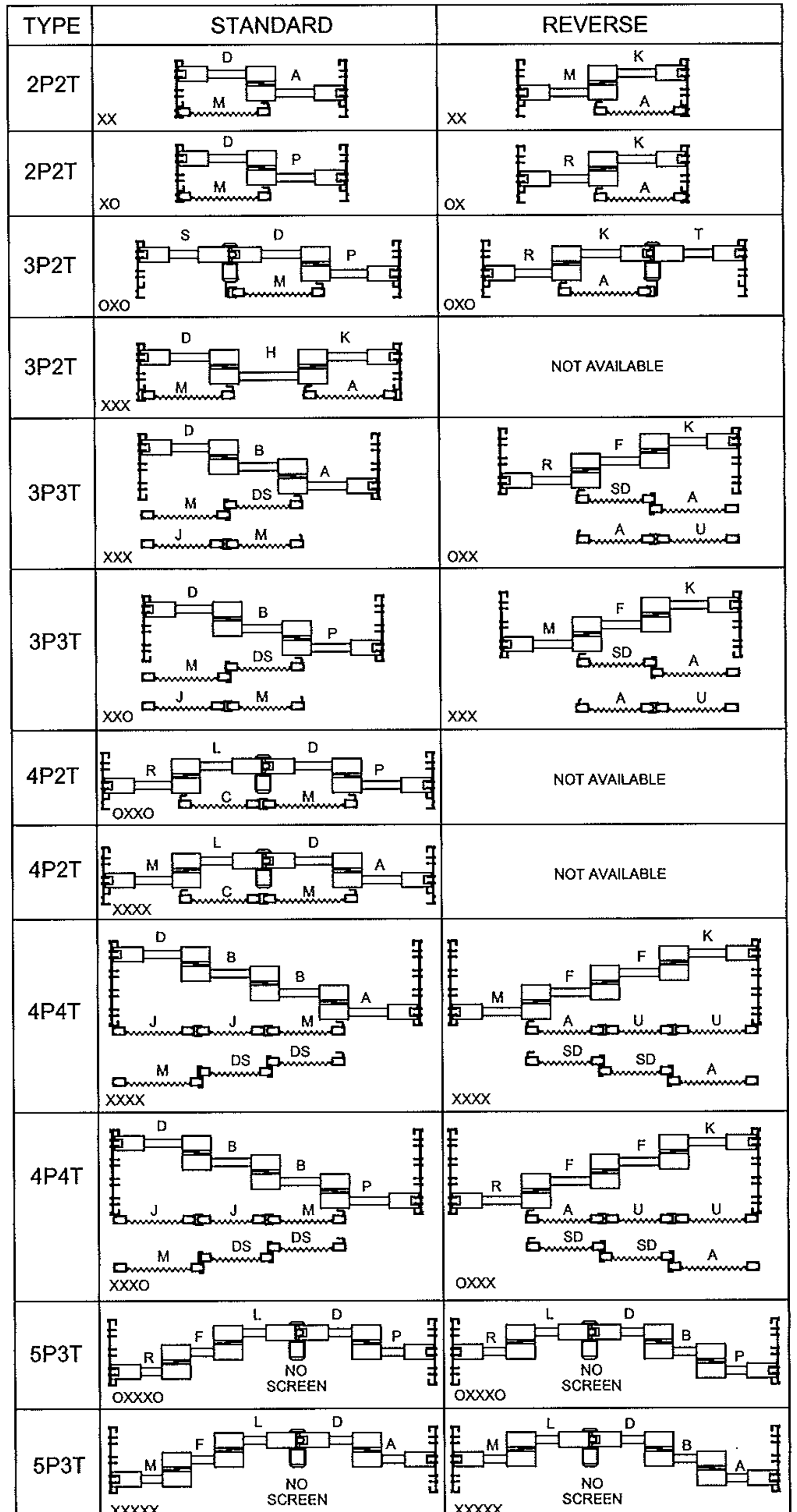
NOTES
1) SEE SHEET 10 FOR MATERIAL TYPE AND DETAILS.

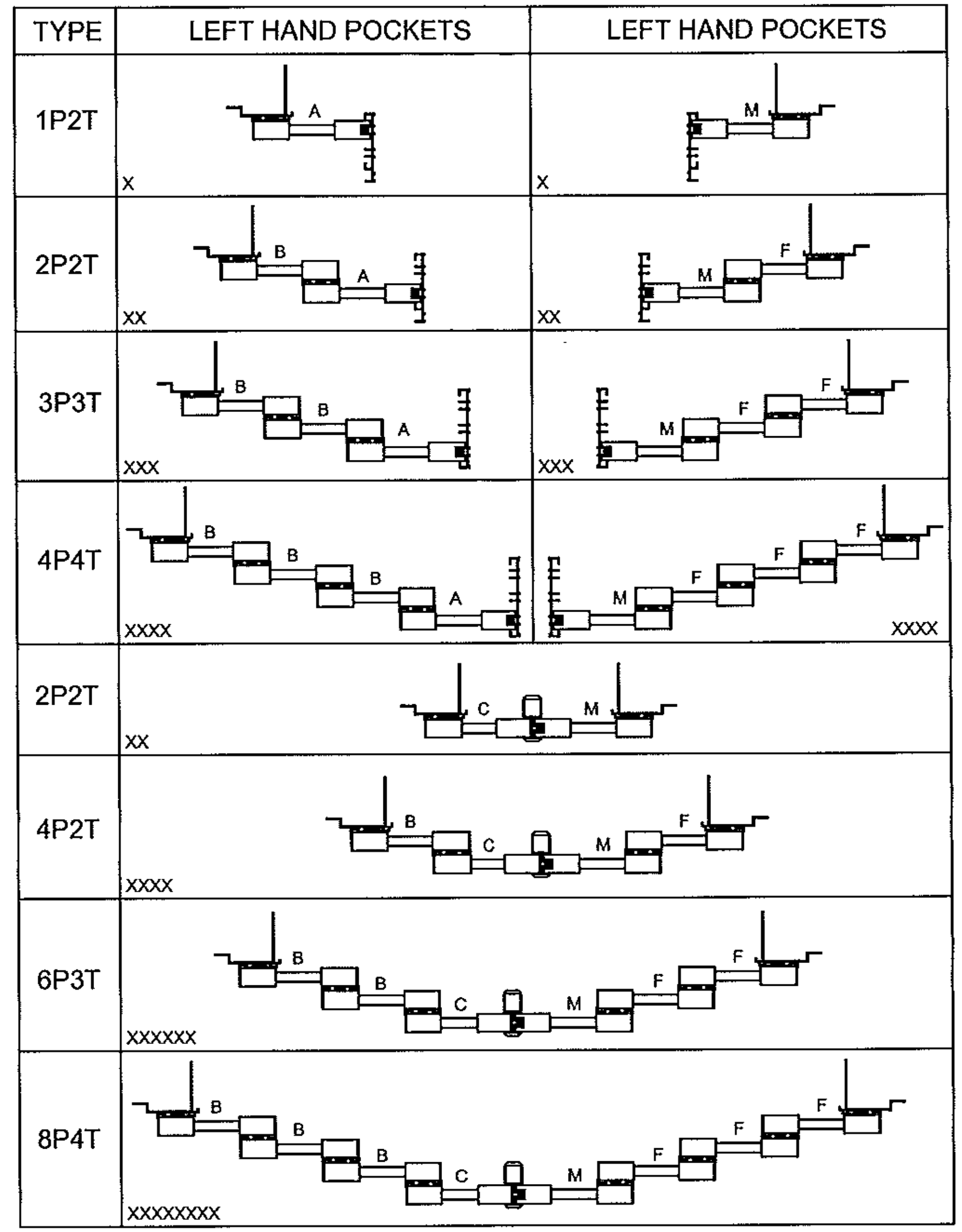
ANTHONY LYNN MILLER
LICENSE
No. 58705
2/4/14
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

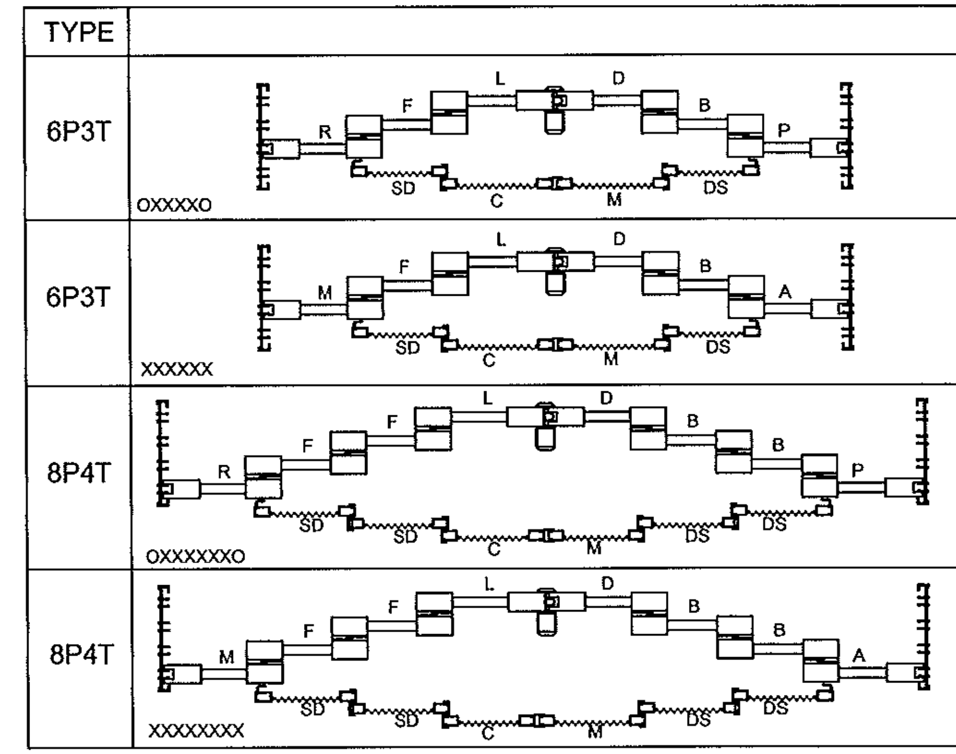
Drawn By: J ROSOWSKI | Date: 11/18/10 | Rev: B
Revised By: J.J. | Date: 10/11/11 | Revision: FBC 2010 CODE
Revised By: J.R. | Date: 11/05/13 | Revision: N/A THIS SHEET
Description: BILL OF MATERIALS
Title: VINYL SGD INSTALLATION GUIDELINES
Series/Model: 570/2770 | Scale: NTS | Sheet: 11 OF 13 | Drawing No.: MD-SGD570-01

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274
CERT. OF AUTH. #29296

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 13-1125.05
Expiration Date 4/11/16
By [illegible]
Miami Dade Product Control







NOTES
1) MAXIMUM OF (8) EIGHT PANELS UP TO 96" FRAME HEIGHT.
2) MAXIMUM OF (4) FOUR PANEL CONFIGURATION FOR FRAME HEIGHTS OVER 96" AND UP TO 120".
3) MAXIMUM DOOR FRAME WIDTH (EXCLUDING POCKETS IF APPLICABLE) IS LIMITED TO 467-11/16".

INTERIOR

EXTERIOR

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 13-1125.05
Expiration Date 7/14/16
By Ishaq I. Chanda
Miami Dade Product Control

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

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

CERT. OF AUTH. #29296

Revised By:	Date:	Revision:
J.J.	10/11/11	FBC 2010 CODE
J.R.	11/05/13	N/A THIS SHEET

Description:	Drawn By:
SAMPLE CONFIGS AND PANEL NAMES	J ROSOWSKI

Title:	Date:
VINYL SGD INSTALLATION GUIDELINES	11/18/10

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
570/2770	NTS	12 OF 13	MD-SGD570-01	B

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
L (BOX OUT)	SINGLE INTERLOCK	ASTRAGAL OUT
LR (BOX OUT)	ASTRAGAL OUT	SINGLE INTERLOCK
N (BOX IN)	ASTRAGAL IN	SINGLE INTERLOCK
C (BOX IN)	SINGLE INTERLOCK	ASTRAGAL IN
B	SINGLE INTERLOCK	SINGLE INTERLOCK
M	LOCKSTILE	SINGLE INTERLOCK

F	SINGLE INTERLOCK	SINGLE INTERLOCK
H	SINGLE INTERLOCK	SINGLE INTERLOCK
K	SINGLE INTERLOCK	LOCKSTILE
U (BOX OUT)	ASTRAGAL OUT	LOCKSTILE
U (BOX IN)	ASTRAGAL IN	LOCKSTILE
A	SINGLE INTERLOCK	LOCKSTILE
D	LOCKSTILE	SINGLE INTERLOCK
J (BOX OUT)	LOCKSTILE	ASTRAGAL OUT
J (BOX IN)	LOCKSTILE	ASTRAGAL IN

C	DOUBLE INTERLOCK	ASTRAGAL
M	LOCKSTILE	DOUBLE INTERLOCK
J	LOCKSTILE	ASTRAGAL
SD	SINGLE INTERLOCK	DOUBLE INTERLOCK
A	DOUBLE INTERLOCK	LOCKSTILE
U	ASTRAGAL	LOCKSTILE
DS	DOUBLE INTERLOCK	SINGLE INTERLOCK

NOTES
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) SEE SHEETS 2-4 FOR ANCHOR LOCATION & SPACING.
3) SEE TABLES 2-4 FOR REINFORCEMENT REQUIREMENTS.
4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 13-1125.05
Expiration Date APR 14, 2016
By
Miami Dade Product Control

INTERIOR

EXTERIOR

ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
2/4/14
A. LYNN MILLER, P.E.
P.E.# 58705

PGT®
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274
CERT. OF AUTH. #29296

Revised By:	Date:	Revision:
J.J.	10/11/11	FBC 2010 CODE
J.R.	11/05/13	N/A THIS SHEET

Description: PANEL TYPES	Drawn By: J ROSOWSKI
Title: VINYL SGD INSTALLATION GUIDELINES	Date: 11/18/10

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
570/2770	NTS	13 OF 13	MD-SGD570-01	B