

Vinyl Sliding
Glass Door

251.1	SGD - 470 (Non-Impact)	Vinyl Sliding Glass Door
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: Please see Miami-Dade County Notice of Acceptance (NOA) for product performance information, anchorage details, and anchor type, size, and spacing information.		Certification Agency Certificate FL251 R20 C CAC 11-1018.20.pdf Quality Assurance Contract Expiration Date 04/21/2016 Installation Instructions FL251 R20 IL 11-1018.20.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:

**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 "470" Vinyl Sliding Glass Door (Reinforced)-N.I.

APPROVAL DOCUMENT: Drawing No. MD-SGD470-01 Rev A, titled "Vinyl SGD", sheets 1 through 13 of 13, prepared by manufacturer, dated 11/18/10 and last revised on 10/11/11, signed and sealed by Lynn Miller, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None: Approved Hurricane Protection devices, complying w/ FBC, as applicable are required.

Limitations:

1. See table 2 (sheet 8) and table 3 (sheet 9) of this approved drawing set for applicable SGD unit sizes, design pressures, reinforcements, glass types, sill riser and anchors requirements.
2. Rigid White PVC to be labeled per referenced NOA requirement.
3. Egress operable doors must comply with min clear width per FBC, as applicable.

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 # 11-0107.09 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

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

MIAMI-DADE COUNTY
APPROVED

NOA No 11-1018.20
Expiration Date: April 21, 2016
Approval Date: December 08, 2011
Page 1

4
11/23/11

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (transferred from file # 09-0826.14).
2. Drawing No. MD-SGD470-01 RevA, titled "Vinyl SGD", sheets 1 through 13 of 13, prepared by manufacturer, dated 11/18/10 and last revised on 10/11/11, signed and sealed by Lynn Miller, P.E.

B. TESTS (transferred from file # 11-0107.09)

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) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94along with marked-up drawings and installation diagram of vinyl sliding glass door, prepared by Fenestration Testing Lab, Inc., Test Report No. FTL 6637 (samples A-1 thru A-5), dated 12/06/10, 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 6638 (samples A-1 thru A-22) per TAS 201/203-94, issued by Fenestration Testing Lab, Inc., dated 11/19/10, signed and sealed by Jorge A. Causo, P. E.

C. CALCULATIONS

1. Statement letter dated OCT 11, 2011, compliance to FBC 2007 & FBC 2010, prepared by PGT, signed & sealed by Lynn Miller, P.E.
2. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by PGT, dated 02/16/11 and last revised on 3-15-11, signed and sealed by Anthony L. Miller, P.E. (transferred from file # 11-0107.09)
3. Glazing complies with ASTM E-1300-02 & -04

D. QUALITY ASSURANCE

1. Miami Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

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. Test reports No(s). 10-002-792(A), 10-006-10231, 535753-09, per ASTM E-84, ASTM D1929 and ASTM D-635, issued by EXOVA to Vision Extrusion for cellulosic composite material.

F. STATEMENTS

1. Statement letter dated OCT 11, 2011, compliance to FBC 2007 & FBC 2010 and "No financial interest", prepared by PGT, signed & sealed by Lynn Miller, P.E.
2. Letter of lab compliance, part of the above test reports.

G. OTHER

1. This NOA revises # 11-0107.09, expiring April 21, 2016.
2. PGT e-mail dated 11/23/11 by Lynn Miller, P.E. confirming extent of revision.
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 11-1018.20

Expiration Date: April 21, 2016

Approval Date: December 08, 2011

GENERAL NOTES: SERIES 470 NON-IMPACT SLIDING GLASS DOOR

1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE. ALL RIGID WHITE PVC AND COMPOSITE REINFORCEMENT MANUFACTURED BY VISION EXTRUSIONS, LTD. HAS BEEN TESTED TO COMPLY WITH THE FLORIDA BUILDING CODE FOR PLASTICS.

2) GLAZING TYPE: (FROM EXTERIOR TO INTERIOR) 3/16" TEMPERED GLASS + 1/16" AIR SPACE + 3/16" TEMPERED GLASS CAP; APPROVED BACKBEDDINGS ARE GE 7700 AND DOW-CORNING 995.

3) FOR MASONRY APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED MASONRY ANCHORS.

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 OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, 3400 PSI MIN. (DOONE 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, 3/8" FELT PAPER OR MASTIC IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE, OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

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.

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 REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.

10) SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER THE FLORIDA BUILDING CODE AND:

A. MAXIMUM (6) EIGHT PANEL CONFIGURATION FOR FRAME HEIGHTS UP TO 96"

B. MAXIMUM (4) FOUR PANEL CONFIGURATION FOR FRAME HEIGHTS OVER 96" AND UP TO 120".

11) REFERENCES: TEST REPORTS FTI-6337 & 6338; EXCIVA-10-002-782(A) & 10-006-10231; CAMBRIDGE 555755-08; ELCO ULTRACON NOA #07-0428L01; ELCO CRETEFLEX NOA #03-0228L05; VISION EXTRUSIONS, LTD. WHITE PVC NOA #10-0420L06; ANSI/APFA NDS-2008 FOR WOOD CONSTRUCTION AND ADM-2006 ALUMINUM DESIGN MANUAL

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 DOORS USING THE HEAVY-DUTY REINFORCEMENT, USE TABLE 2, SHEET 6. FOR DOORS USING THE STANDARD OR COMPOSITE REINFORCEMENT, USE TABLE 3, SHEET 6.

2. LOCATE THE SLIDING GLASS DOOR SIZE ON THE TABLE, ALWAYS ROUND UP TO THE NEXT LISTED SIZE. PANEL WIDTH, WHEN FINDING YOUR SIZE IN THE TABLE, ALWAYS ROUND UP TO THE NEXT LISTED SIZE.

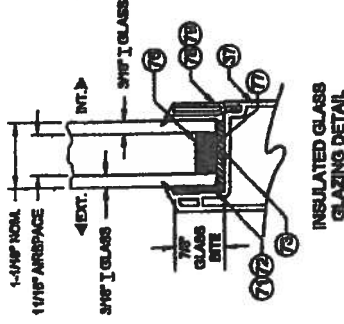
3. CHOOSE WHICH ANCHOR OPTION (A-D) IS MOST APPLICABLE. ANCHORS ARE DEFINED IN TABLE 1, SHEET 6, ALONG WITH THE APPROPRIATE SUBSTRATE, MINIMUM EMBEDMENT AND MINIMUM EDGE DISTANCE.

4. FROM THE DESIGN PRESSURE TABLES (TABLES 2-3, SHEETS 6 & 9), VERIFY THAT THE REQUIRED DESIGN PRESSURE IS MET OR EXCEEDED. USE THE ANCHOR QUANTITIES SHOWN.

5. INSTALL AS PER THE INSTRUCTIONS ON SHEETS 6 & 9, USING THE ANCHOR SPACING OUTLINED ON SHEETS 2-4.

6. ADDITIONAL INSTALLATION CLIPS MUST BE INSTALLED AS SHOWN ON SHEET 7.

DESIGN PRESSURE RATING	IMPACT RATING
VARIABLES SEE SHEETS 8 & 9	NOT RATED FOR IMPACT RESISTANCE



NOA DRAWING MAP	
GENERAL NOTES	SHEET
GLAZING DETAILS	1
ELEVATIONS	2-4
HORIZ. SECTIONS	5
VERT. SECTIONS	6
ACCESSORIES	7
DESIGN PRESSURES	8-9
EXTRUSIONS	10
PARTS LIST	11
CONFIGURATIONS	12
PANEL TYPES	13

PRODUCT REVIEWED
in compliance with the Florida
Building Code
Expiration Date 11-18-20
11/18/10
J. Rosowski

		1070 TECHNOLOGY DRIVE A. WOODS, FL 34278 P.O. BOX 1020 WOODBRIDGE, FL 34279 CERT. OF AUTH. #22200
PROJECT NO. J.J. 10/11/11	DATE 10/11/11	FBC 2010 CODE
GENERAL NOTES & GLASS TYPES		
VINYL SGD INSTALLATION GUIDELINES		
470	NTS	1 OF 13
J. ROSOWSKI		11/18/10
MD-SGD470-01		A

ANCHOR LOCATIONS FOR CORSET COAST GUARDS ANCHORS INTO PAIRHOOK

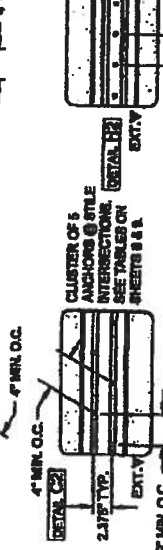
12" MAX. O.C.

21" Ø

12" MAX. O.C.

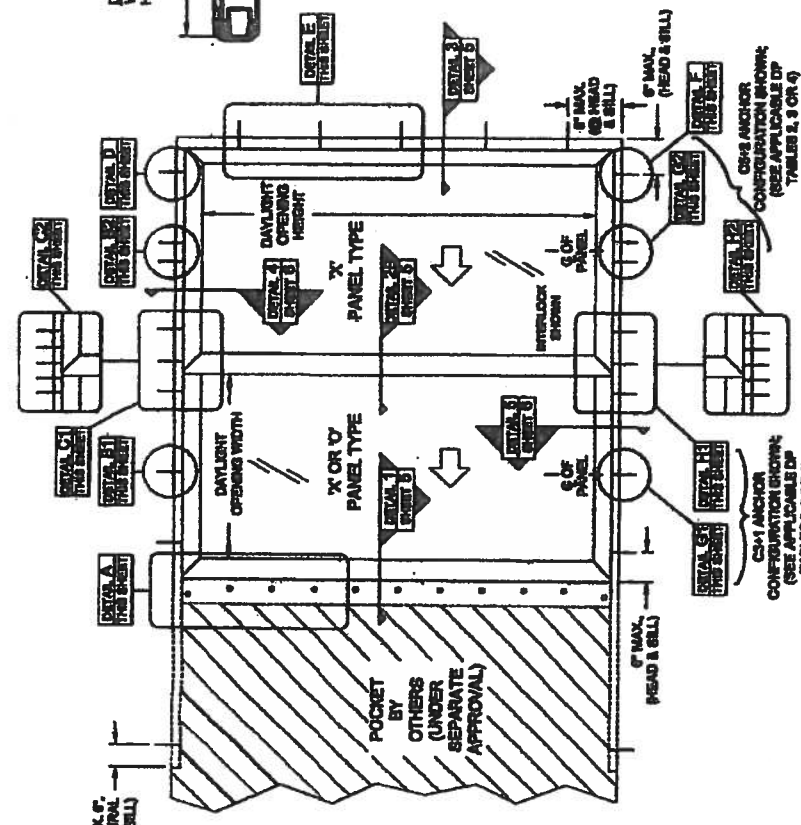
DETAIL A

DETAIL B

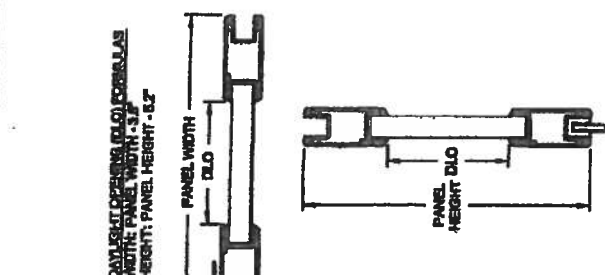


WEERPHOLE PATTERN @ SILL ENDS

WEEPHOLE PATTERN @ 24" O.C.

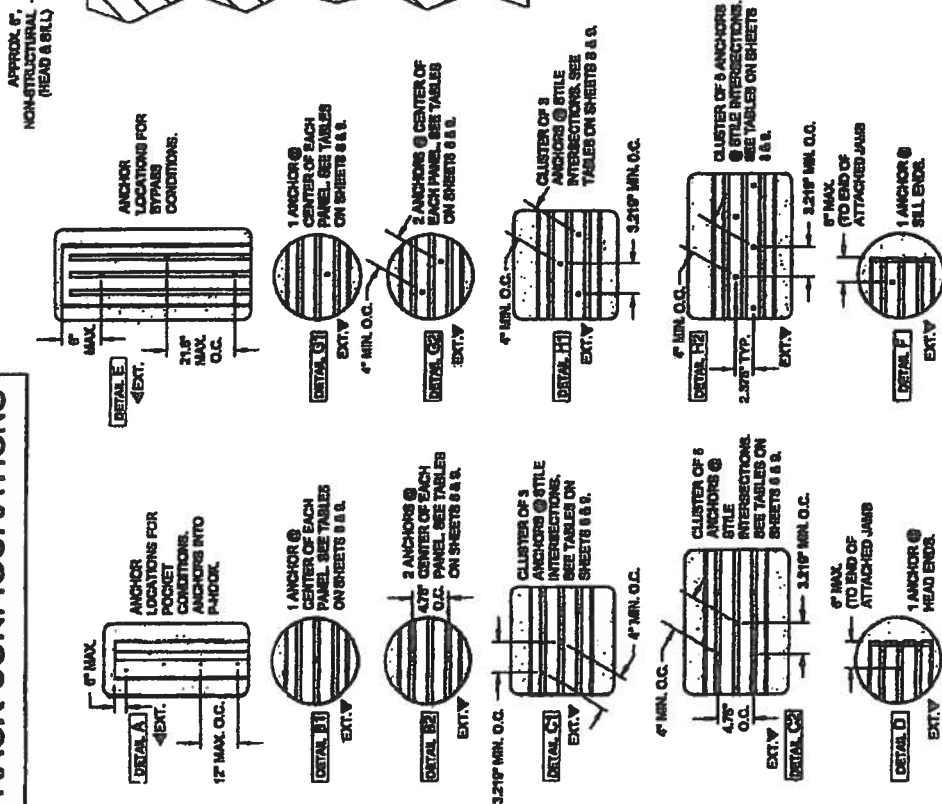


NOTES:
1) FOR CONFIGURATIONS, SEE SHEET 12.
2) FOR ANCHOR EDGE DISTANCE AND
EMBLEMENT, SEE TABLE 1 ON SHEET 4.
3) DAYLIGHT OPENING (DLO) FORMULAR:
WIDTH: PANEL WIDTH - 3" F
HEIGHT: PANEL HEIGHT - 8.5"

[illegible]

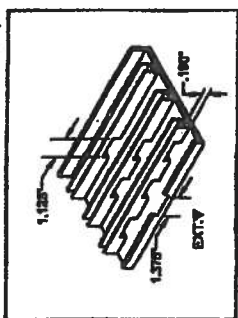
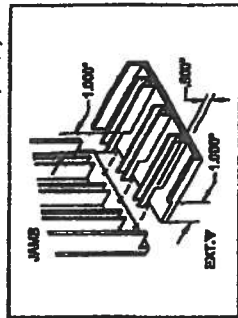
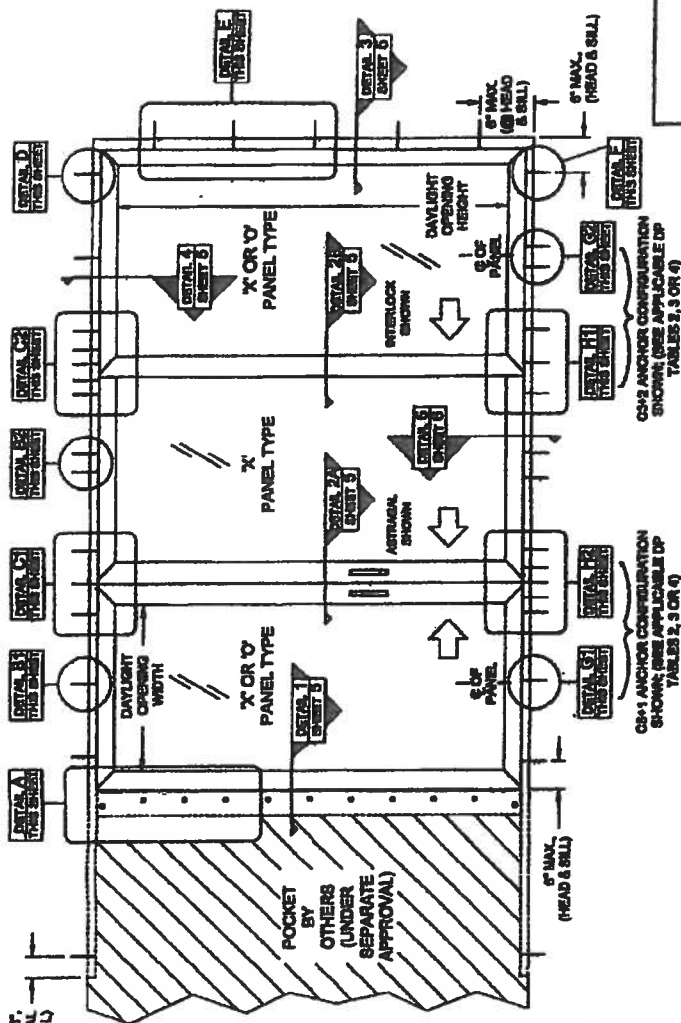
		Project Dtg: J.J. Revision Dtg:	Date: 10/11/11 Date:	Revision: FBC 2010 CODE Revision:	Drawing No. MD-SGD470-01 Sheet 2 OF 13 Title NTS	Date: 11/18/10 Designer: J ROSOWSKI
		ANCHOR LOCATIONS (2 TRACKS) VINYL SGD INSTALLATION GUIDELINES				
5075 TECHNOLOGY DRIVE A WINTER, FL 32780 407 ECH 1000 HUNTSVILLE, FL 35894		470		CENTER OF AUTH. DESIGN		

APPROX. 6"
NON-STRUCTURAL
(HEAD & BILL)



NOTES:

- 1) FOR CONFIGURATIONS, SEE SHEET 12.
- 2) FOR ANCHOR EDGE DISTANCE AND EMBEDMENT, SEE TABLE 1 SHEET 8.
- 3) DAYLIGHT OPENING (DLO) FORMULAS:
WIDTH: PANEL WIDTH - 3.5"
HEIGHT: PANEL HEIGHT - 4.5"

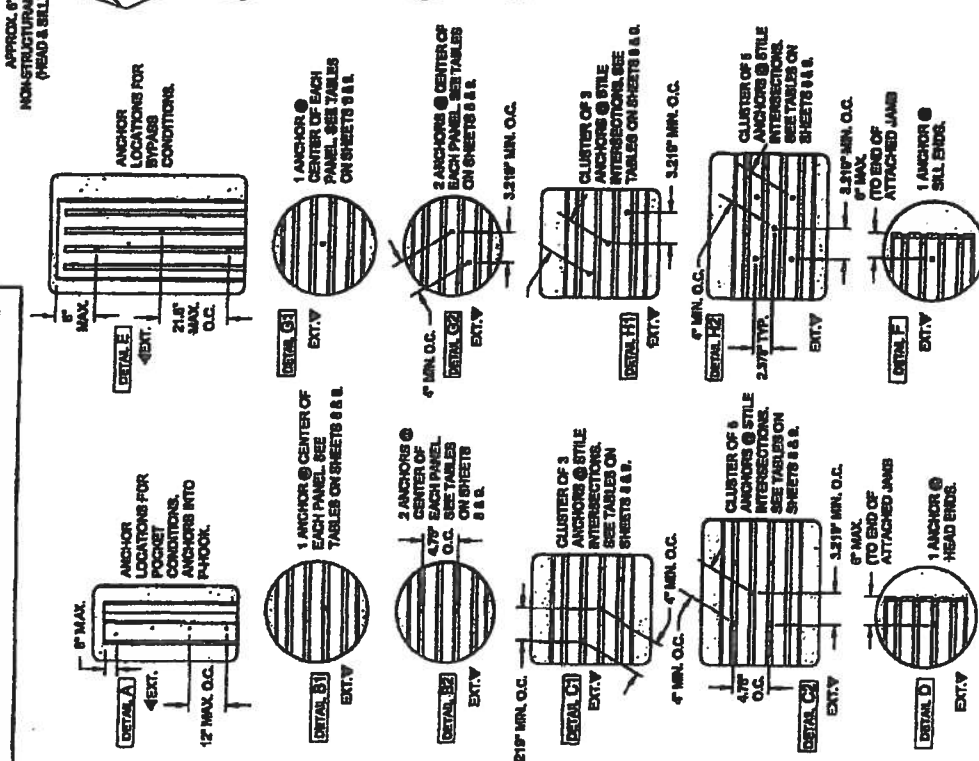


WEEPHOLE PATTERN @ 24" O.C.

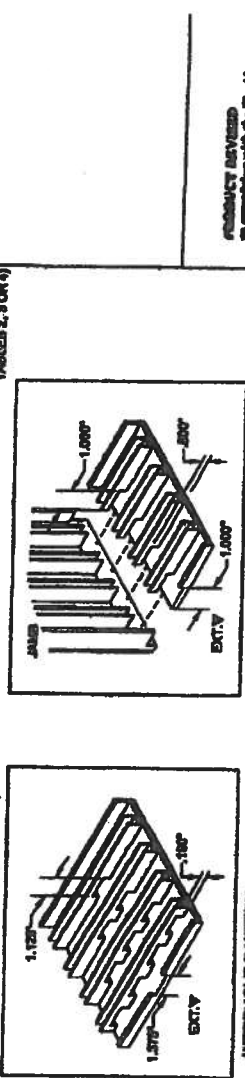
WEEPHOLE PATTERN @ SILL ENDS

PRODUCT REVIEWED
in accordance with the Florida
Building Code
Adopted on 11-18-19-2
Expiration Date 11/18/21

			1976 TECHNOLOGY DRIVE N. WINDYBUSH PL. 34670 NORTON, FL 34670 NORTON, FL 34670		CERT. OF AUTH. 000000		
	No. 58705 10/18/11 STATE OF FLORIDA PROFESSIONAL ENGINEER		ANTHONY LYNN MILLER LICENSE No. 58705				
Projected Date J.J. 10/11/11		Projected Date FBC 2010 CODE		Projected Date 10/11/11		Projected Date FBC 2010 CODE	
Description ANCHOR LOCATIONS (3 TRACKS)		Division No. J ROSOWSKI		Title VINYL SGD INSTALLATION GUIDELINES		Date 11/18/10	
Subcontract 470		Trade NTS		Quantity 3 OF 13		Drawing No. MD-SGD470-01	
						Year A	



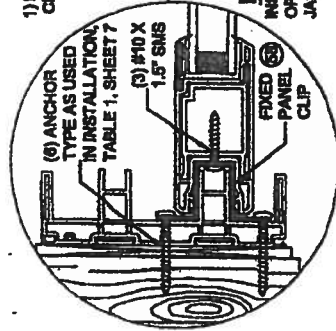
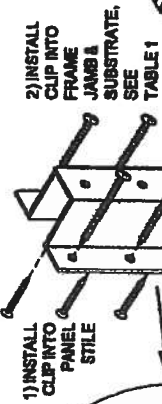
NOTES:
1) FOR CONFIGURATIONS, SEE SHEET 12.
2) FOR ANCHOR EDGE DISTANCE AND
EMBEDMENT, SEE TABLE 1 SHEET 4.
3) DAYLIGHT OPENING (DLO) FORMULAS:
WIDTH: PANEL WIDTH - 3.5"
HEIGHT: PANEL HEIGHT - 1.2"

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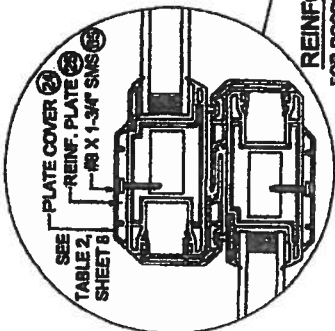
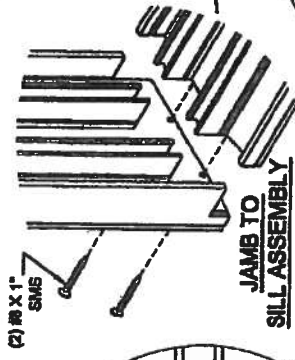
				1970 TECHNOLOGY CENTER 14 LINDSEY, FL 33415 P.O. BOX 2839 NORFOLK, VA 23504 CENT. OF AUTL. DESIGN		4770		4 OF 13		MD-SGD470-01		11/18/10		J ROSOWSKI	
WEEP HOLE PATTERN @ 24" O.C.		WEEP HOLE PATTERN @ 8" O.C.		10/11/11		J.J.		10/11/11		FBC 2010 CODE		11/18/10		J ROSOWSKI	
WEEP HOLE PATTERN @ 24" O.C.		WEEP HOLE PATTERN @ 8" O.C.		10/11/11		J.J.		10/11/11		FBC 2010 CODE		11/18/10		J ROSOWSKI	

HEADER BLOCK TO HEAD ATTACHMENT

INSTALL ONE BLOCK AT EACH INTERLOCK. AT ASTRAGAL, INSTALL ONE BLOCK THAT SPANS BOTH PANELS.



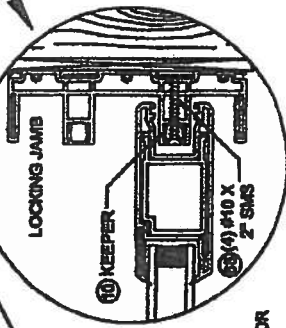
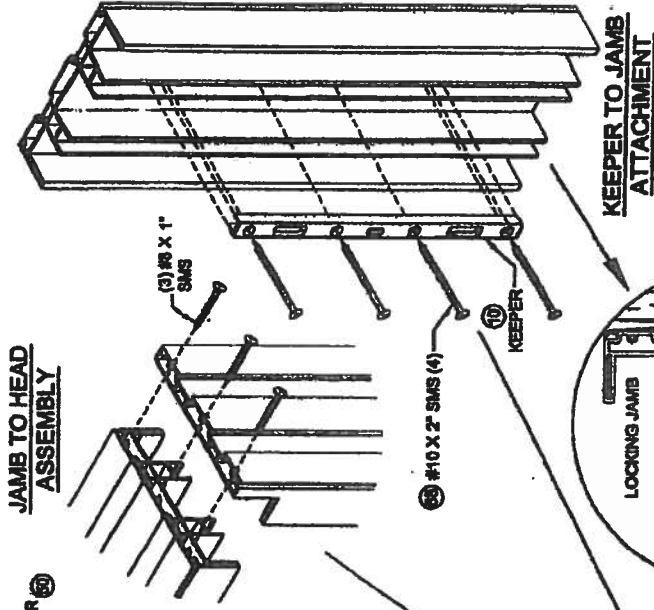
FIXED PANEL CLIP
INSTALL ONE CLIP AT THE MIDSPAN OF EACH FIXED PANEL-TO-FRAME JAMB LOCATION.



REINFORCEMENT PLATE
FOR DOORS OVER 60" 10 ANCHORS @ 3", 6", 9", 12", & 48.5" FROM EACH END

NOTES:
1) DETAILS APPLY TO 2 & 4 TRACK CONFIGURATIONS.
2) SEE SHEETS 1-4 FOR ANCHOR LOCATION & SPACING.
3) SEE TABLES 1 & 2 FOR REINFORCEMENT REQUIREMENTS.
4) CONTINUOUS ANCHOR PLATE, ITEM #6, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.

JAMB TO HEAD ASSEMBLY



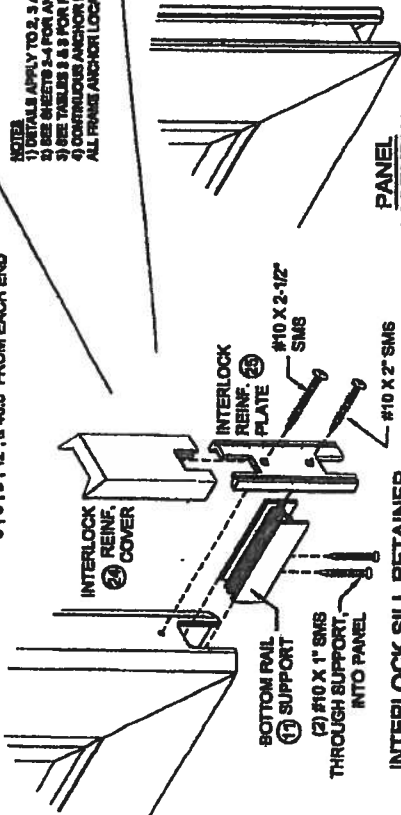
INTERIOR
EXTERIOR



PGI TECHNOLOGY/ENGINEERING, INC.
FORT LAUDERDALE, FL 33304
CERT. OF AUTH. #00000000

PANEL ASSEMBLY

ALL PANEL CORNERS WELDED, NO ASSEMBLY FASTENERS



INTERLOCK SILL RETAINER CLIP ATTACHMENT

INSTALL ONE ASSEMBLY AT EACH INTERLOCK

PRODUCT AVAILABLE in conjunction with the PGI Technology/Engineering, Inc. J-1018-20 Application Form. **11/18/10**

ACCESSORIES INSTALLATION DETAILS			
Product No.	470	Revision No.	7 OF 13
Product Name	NTS	Product No.	MD-SGD470-01
Product Description	VINYL SGD INSTALLATION GUIDELINES		
Product Code	470	Product Name	MD-SGD470-01
Product Description	VINYL SGD INSTALLATION GUIDELINES		
Product Code	470	Product Name	MD-SGD470-01

ACCESSORIES INSTALLATION DETAILS			
Product No.	470	Revision No.	7 OF 13
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ACCESSORIES INSTALLATION DETAILS			
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Product Code	470	Product Name	MD-SGD470-01
Product Description	VINYL SGD INSTALLATION GUIDELINES		
Product Code	470	Product Name	MD-SGD470-01

DETAIL 4
INTO MASONRY
3X BUCKSTRIP

MIN. 2.7 IN. CONCRETE
HEAD REINFORCEMENT
REQUIREMENT, SEE
TABLE 1, SHEET 6

1X OR 2X
WOOD
BUCKSTRIP,
SEE
NOTE 4,
SHEET 1

FOR
LOCKSTILES,
ASTRAGALS,
POCKET
HOLDERS,
HORIZONTAL
RAILS

SEE
NOTES
3 & 6
BELOW

PANEL
HEIGHT
FRAME
HEIGHT -
2-1/2"

STANDARD SCREEN

EXTERIOR

SEE
NOTES
3 & 6
BELOW

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DETAIL 4
INTO WOOD

TYP. ANCHOR TYPE, EMBEDMENT AND
EDGE DISTANCE PER SUBSTRATE,
SEE TABLE 1, SHEET 6

3-3/8" ROW
SPACING

EDGE
DISTANCE

EMBED-
MENT

1/4" MAX.

1/4" MAX.

1/4" MAX.

1/4" MAX.

1/4" MAX.

1/4" MAX.

1/4" MAX.

1/4" MAX.

1/4" MAX.

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1/4" MAX.

1/4" MAX.

1/4" MAX.

1/4" MAX.

1/4" MAX.

1/4" MAX.

1/4" MAX.

DETAIL 4
INTO MASONRY

TYP. ANCHOR TYPE, EMBEDMENT AND
EDGE DISTANCE PER SUBSTRATE,
SEE TABLE 1, SHEET 6

3-3/8" ROW
SPACING

EDGE
DISTANCE

EMBED-
MENT

1/4" MAX.

1/4" MAX.

1/4" MAX.

1/4" MAX.

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1/4" MAX.

1/4" MAX.

1/4" MAX.

1/4" MAX.

DETAIL 4
INTO ALUMINUM

TYP. ANCHOR TYPE, EMBEDMENT AND
EDGE DISTANCE PER SUBSTRATE,
SEE TABLE 1, SHEET 6

EDGE
DISTANCE

EMBED-
MENT

1/4" MAX.

1/4" MAX.

1/4" MAX.

1/4" MAX.

1/4" MAX.

1/4" MAX.

1/4" MAX.

1/4" MAX.

1/4" MAX.

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1/4" MAX.

1/4" MAX.

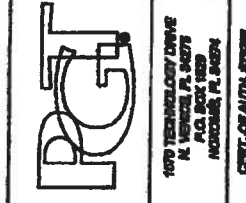
1/4" MAX.

1/4" MAX.

TABLE 1. ANCHOR TYPES:

Type	Substrate	Anchor	Minimum Embedment	Min. Edge Distance
A	P.T. Southern Pine (20 = .50)	#12 Steel Stud Screw (SS)	1-3/8"	3/4"
		1/4" Elco Ultra-Con	1-1/2"	1-3/4"
		1/4" Elco Cello-Flax SS4	1-1/2"	1-3/4"
		1/4" Elco Cello-Flax SS4	1-1/2"	1-3/4"
B	Aluminum, 6063-T5 min.	#12 Steel Stud Screw (SS)	1-1/2"	1/2"
		1/4" Elco Ultra-Con	1-1/2"	1/2"
		1/4" Elco Cello-Flax SS4	1-1/2"	1/2"
		1/4" Elco Cello-Flax SS4	1-1/2"	1/2"
C	Steel Stud, Q. 35 min.	#12 Steel Stud Screw (SS)	1-1/2"	1/2"
		1/4" Elco Ultra-Con	1-1/2"	1/2"
		1/4" Elco Cello-Flax SS4	1-1/2"	1/2"
		1/4" Elco Cello-Flax SS4	1-1/2"	1/2"
D	P.T. Southern Pine (20 = .50)	#12 Steel Stud Screw (SS)	1-3/8"	3/4"
		1/4" Elco Ultra-Con	1-1/2"	1-3/4"
		1/4" Elco Cello-Flax SS4	1-1/2"	1-3/4"
		1/4" Elco Cello-Flax SS4	1-1/2"	1-3/4"

NOTES:
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) SEE SHEETS 2-4 FOR ANCHOR LOCATION & SPACING.
3) SEE TABLES 2 & 3 FOR REINFORCEMENT REQUIREMENTS.
4) CONTINUOUS ANCHOR PLATE, ITEM 6, 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.



VERTICAL INSTALLATION DETAILS

VINYL SGD INSTALLATION GUIDELINES

Project No. 470

NTS

6 OF 13

MD-SGD470-01

11/18/10

J. ROSOWSKI

PRODUCT REVIEWED
in accordance with the Florida
Building Code
Approved by
11/18/10
J. Rosowski

TABLE 2:

Anchor and Substrate Type. See Table 1, Sheet 6		Series 470 Anchor Quantities and Design Pressures using Heavy Duty Reinforcement											
		6-PANEL MAXIMUM CONFIGURATION				4-PANEL MAXIMUM CONFIGURATION							
		FRAME HEIGHT (ft)				FRAME HEIGHT (ft)							
		80				96				120			
NOM. PANEL WIDTH (ft)	FRAME SIDE	A	B	C	D	A	B	C	D	A	B	C	D
		CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1
24	Head & Sill	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1
	Jamb	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1
	P-Track	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1
	Design Pressure	+108.4	+108.4	+108.4	+108.4	+108.4	+108.4	+108.4	+108.4	+108.4	+108.4	+108.4	+108.4
30	Head & Sill	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1
	Jamb	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1
	P-Track	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1
	Design Pressure	+141.8	+141.8	+141.8	+141.8	+141.8	+141.8	+141.8	+141.8	+141.8	+141.8	+141.8	+141.8
36	Head & Sill	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1
	Jamb	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1
	P-Track	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1
	Design Pressure	+175.2	+175.2	+175.2	+175.2	+175.2	+175.2	+175.2	+175.2	+175.2	+175.2	+175.2	+175.2
42	Head & Sill	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1
	Jamb	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1
	P-Track	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1
	Design Pressure	+208.6	+208.6	+208.6	+208.6	+208.6	+208.6	+208.6	+208.6	+208.6	+208.6	+208.6	+208.6
48	Head & Sill	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1
	Jamb	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1
	P-Track	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1
	Design Pressure	+242.0	+242.0	+242.0	+242.0	+242.0	+242.0	+242.0	+242.0	+242.0	+242.0	+242.0	+242.0
54	Head & Sill	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1
	Jamb	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1
	P-Track	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1
	Design Pressure	+275.4	+275.4	+275.4	+275.4	+275.4	+275.4	+275.4	+275.4	+275.4	+275.4	+275.4	+275.4
60	Head & Sill	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1
	Jamb	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1
	P-Track	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1	CS-1
	Design Pressure	+308.8	+308.8	+308.8	+308.8	+308.8	+308.8	+308.8	+308.8	+308.8	+308.8	+308.8	+308.8

TOTAL # OF ANCHORS CLUSTERED THROUGH THE HEAD & SILL AT EACH PANEL MEETING POINT. SEE FOR CS-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 LISTED BELOW. SEE COLUMNS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

TABLE KEY:

NOM. PANEL WIDTH (ft)	FRAME SIDE	A
24	Head & Sill	CS-1
30	Jamb	CS-1
36	P-Track	CS-1
42	Design Pressure	CS-1

NOM. FRAME WIDTH = 2 OF PANELS

THE MAXIMUM NEGATIVE DESIGN PRESSURE AT THESE ANCHOR QUANTITIES.

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

TOTAL # OF ANCHORS THROUGH THE P-TRACK

TOTAL # OF ANCHORS THROUGH THE JAMB

CH LENGTH

DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (CH) RATIO IS EQUAL TO OR MORE THAN 1 IN. EXEMPTED FROM WATER INFLTRATION. THE OVERHANG RATIO SHALL BE CALCULATED BY THE FOLLOWING EQUATION:
CH RATIO = CH LENGTH / HEIGHT

OR HEIGHT

TABLE A:

Water-Loaded (+) Design Pressure		THE LESSER	
Nominal Sill Height	Actual Sill Height	Min. (+) DP Allowed	Value of Table A and Table 2
1-1/16"	1.000"	+80.0 psf	DETERMINES THE WATER LIMITED (+) DP.
4-1/16"	4.000"	+100.0 psf	
4-3/8"	4.614"	+100.0 psf	

- NOTES:
- 1) TABLES APPLY TO S AND A TRACK CONFIGURATIONS.
 - 2) SEE SHEET 2A FOR ANCHOR LOCATION & SPACING.
 - 3) SEE TABLE 2.1 FOR REINFORCEMENT REQUIREMENTS.
 - 4) CONTINUOUS ANCHOR PLATE, ITEM #1, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
 - 5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR AIRTIGHT ADD-ON.
 - 6) SEE SHEET 2 FOR APPLICABLE OLD PER PANEL USE.

Reinforcement Required, See Parts on Sheet 10

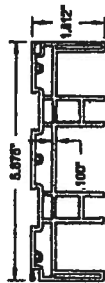
Reinforcement Required, see Parts on Sheet 10					
Initial	Length/Width	Area	Area	Reinforcement	Reinforcement
Part 20	Part 20	Part 20	Part 20	Part 20	Part 20
Part 21	Part 21	Part 21	Part 21	Part 21	Part 21
Part 22	Part 22	Part 22	Part 22	Part 22	Part 22
Part 23	Part 23	Part 23	Part 23	Part 23	Part 23
Part 24	Part 24	Part 24	Part 24	Part 24	Part 24
Part 25	Part 25	Part 25	Part 25	Part 25	Part 25
Part 26	Part 26	Part 26	Part 26	Part 26	Part 26
Part 27	Part 27	Part 27	Part 27	Part 27	Part 27
Part 28	Part 28	Part 28	Part 28	Part 28	Part 28
Part 29	Part 29	Part 29	Part 29	Part 29	Part 29
Part 30	Part 30	Part 30	Part 30	Part 30	Part 30
Part 31	Part 31	Part 31	Part 31	Part 31	Part 31
Part 32	Part 32	Part 32	Part 32	Part 32	Part 32
Part 33	Part 33	Part 33	Part 33	Part 33	Part 33
Part 34	Part 34	Part 34	Part 34	Part 34	Part 34
Part 35	Part 35	Part 35	Part 35	Part 35	Part 35
Part 36	Part 36	Part 36	Part 36	Part 36	Part 36
Part 37	Part 37	Part 37	Part 37	Part 37	Part 37
Part 38	Part 38	Part 38	Part 38	Part 38	Part 38
Part 39	Part 39	Part 39	Part 39	Part 39	Part 39
Part 40	Part 40	Part 40	Part 40	Part 40	Part 40
Part 41	Part 41	Part 41	Part 41	Part 41	Part 41
Part 42	Part 42	Part 42	Part 42	Part 42	Part 42
Part 43	Part 43	Part 43	Part 43	Part 43	Part 43
Part 44	Part 44	Part 44	Part 44	Part 44	Part 44
Part 45	Part 45	Part 45	Part 45	Part 45	Part 45
Part 46	Part 46	Part 46	Part 46	Part 46	Part 46
Part 47	Part 47	Part 47	Part 47	Part 47	Part 47
Part 48	Part 48	Part 48	Part 48	Part 48	Part 48
Part 49	Part 49	Part 49	Part 49	Part 49	Part 49
Part 50	Part 50	Part 50	Part 50	Part 50	Part 50
Part 51	Part 51	Part 51	Part 51	Part 51	Part 51
Part 52	Part 52	Part 52	Part 52	Part 52	Part 52
Part 53	Part 53	Part 53	Part 53	Part 53	Part 53
Part 54	Part 54	Part 54	Part 54	Part 54	Part 54
Part 55	Part 55	Part 55	Part 55	Part 55	Part 55
Part 56	Part 56	Part 56	Part 56	Part 56	Part 56
Part 57	Part 57	Part 57	Part 57	Part 57	Part 57
Part 58	Part 58	Part 58	Part 58	Part 58	Part 58
Part 59	Part 59	Part 59	Part 59	Part 59	Part 59
Part 60	Part 60	Part 60	Part 60	Part 60	Part 60
Part 61	Part 61	Part 61	Part 61	Part 61	Part 61
Part 62	Part 62	Part 62	Part 62	Part 62	Part 62
Part 63	Part 63	Part 63	Part 63	Part 63	Part 63
Part 64	Part 64	Part 64	Part 64	Part 64	Part 64
Part 65	Part 65	Part 65	Part 65	Part 65	Part 65
Part 66	Part 66	Part 66	Part 66	Part 66	Part 66
Part 67	Part 67	Part 67	Part 67	Part 67	Part 67
Part 68	Part 68	Part 68	Part 68	Part 68	Part 68
Part 69	Part 69	Part 69	Part 69	Part 69	Part 69
Part 70	Part 70	Part 70	Part 70	Part 70	Part 70
Part 71	Part 71	Part 71	Part 71	Part 71	Part 71
Part 72	Part 72	Part 72	Part 72	Part 72	Part 72
Part 73	Part 73	Part 73	Part 73	Part 73	Part 73
Part 74	Part 74	Part 74	Part 74	Part 74	Part 74
Part 75	Part 75	Part 75	Part 75	Part 75	Part 75
Part 76	Part 76	Part 76	Part 76	Part 76	Part 76
Part 77	Part 77	Part 77	Part 77	Part 77	Part 77
Part 78	Part 78	Part 78	Part 78	Part 78	Part 78
Part 79	Part 79	Part 79	Part 79	Part 79	Part 79
Part 80	Part 80	Part 80	Part 80	Part 80	Part 80
Part 81	Part 81	Part 81	Part 81	Part 81	Part 81
Part 82	Part 82	Part 82	Part 82	Part 82	Part 82
Part 83	Part 83	Part 83	Part 83	Part 83	Part 83
Part 84	Part 84	Part 84	Part 84	Part 84	Part 84
Part 85	Part 85	Part 85	Part 85	Part 85	Part 85
Part 86	Part 86	Part 86	Part 86	Part 86	Part 86
Part 87	Part 87	Part 87	Part 87	Part 87	Part 87
Part 88	Part 88	Part 88	Part 88	Part 88	Part 88
Part 89	Part 89	Part 89	Part 89	Part 89	Part 89
Part 90	Part 90	Part 90	Part 90	Part 90	Part 90
Part 91	Part 91	Part 91	Part 91	Part 91	Part 91
Part 92	Part 92	Part 92	Part 92	Part 92	Part 92
Part 93	Part 93	Part 93	Part 93	Part 93	Part 93
Part 94	Part 94	Part 94	Part 94	Part 94	Part 94
Part 95	Part 95	Part 95	Part 95	Part 95	Part 95
Part 96	Part 96	Part 96	Part 96	Part 96	Part 96
Part 97	Part 97	Part 97	Part 97	Part 97	Part 97
Part 98	Part 98	Part 98	Part 98	Part 98	Part 98
Part 99	Part 99	Part 99	Part 99	Part 99	Part 99
Part 100	Part 100	Part 100	Part 100	Part 100	Part 100

OW RATIO = ON LENGTH/HOW MEASRT

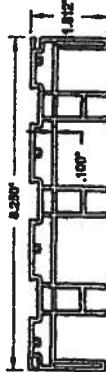
Water-United (%) Design Pressure		Max. (°) DP Allowed	
Nominal SSI Height	Actual SSI Height		
1-11'6"	1.68"	See Tables 2-4	
3-12"	3.46"	+80.0 psi	
4-16"	4.03"	+100.0 psi	
4-86"	4.84"	+100.0 psi	

NOTES:

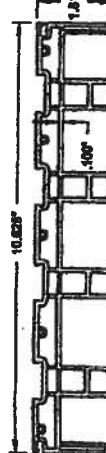
- 1) DETAILS A APPLY TO 1, 3 AND 4 TRACK CONFIGURATIONS.
- 2) SEE SHEETS 3-4 FOR ANCHOR LOCATION & SPACING.
- 3) SEE TABLES 2 & 3 FOR REINFORCEMENT REQUIREMENTS.
- 4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT LOCATIONS.
- 5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OF ASTRA REINFORCING.
- 6) SEE SHEET 2 FOR APPLICATION OF D.O. 1058 BAND, 1025.



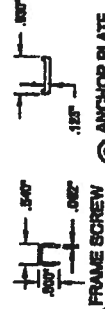
① 1 TRACK HEAD/JAMB
RIGID PVC



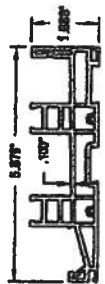
② 2 TRACK HEAD/JAMB
RIGID PVC



③ 3 TRACK HEAD/JAMB
RIGID PVC



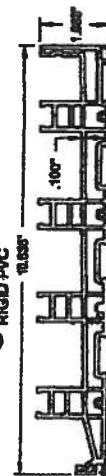
④ 4 TRACK HEAD/JAMB
RIGID PVC



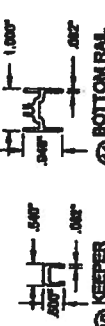
⑤ 2 TRACK SILL
RIGID PVC



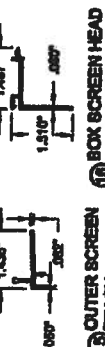
⑥ 3 TRACK SILL
RIGID PVC



⑦ 4 TRACK SILL
RIGID PVC



⑧ FRAME SCREW
COVER
RIGID PVC



⑨ ANCHOR PLATE
6063-T6 ALUM.



⑩ TRACK INSERT
6063-T6 ALUM.



⑪ KEEPER
6063-T6 ALUM.



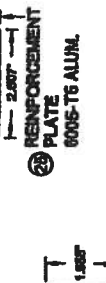
⑫ BOTTOM RAIL
SUPPORT
6063-T6 ALUM.



⑬ BOX SCREEN HEAD
AND JAMB ADD-ON
RIGID PVC



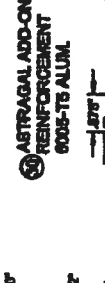
⑭ REINFORCEMENT
ADD-ON
6063-T6 ALUM.



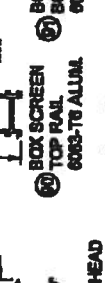
⑮ REINFORCEMENT
PLATE
6063-T6 ALUM.



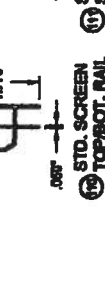
⑯ INTERLOCK
ADD-ON
RIGID PVC



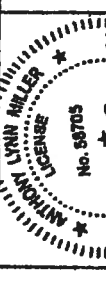
⑰ BOX SCREEN
TOP RAIL
6063-T6 ALUM.



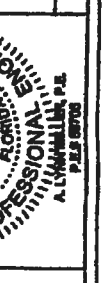
⑱ BOX SCREEN
BOTTOM RAIL
6063-T6 ALUM.



⑲ BOX SCREEN
SIDE RAIL
6063-T6 ALUM.



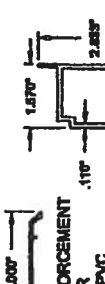
⑳ BOX SCREEN
ADAPTER
6063-T6 ALUM.



㉑ BOX SCREEN
OXO ADAPTER
6063-T6 ALUM.



㉒ BOX SCREEN
FIXED PANEL CLIP
6063-T6 ALUM.



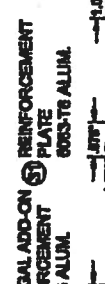
㉓ TOP, BOTTOM
AND STILE
REINFORCEMENT
COMPOSITE
6063-T6 ALUM.



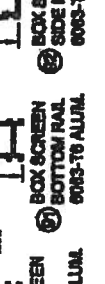
㉔ TOP, BOTTOM
AND STILE
REINFORCEMENT
6063-T6 ALUM.



㉕ INTERLOCK
ADD-ON
RIGID PVC



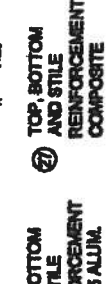
㉖ ASTRAGAL
ADD-ON
RIGID PVC



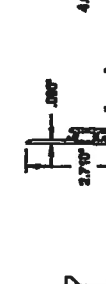
㉗ PANEL STILE, TOP
AND BOTTOM RAIL
RIGID PVC



㉘ INTERLOCK 300
REINFORCEMENT
6063-T6 ALUM.



㉙ INTERLOCK 400
REINFORCEMENT
6063-T6 ALUM.



㉚ REINFORCEMENT
COVER
RIGID PVC



㉛ REINFORCEMENT
PLATE
6063-T6 ALUM.



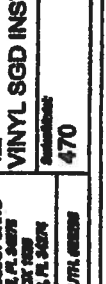
㉜ REINFORCEMENT
ADD-ON
RIGID PVC



㉝ PANEL STILE, TOP
AND BOTTOM RAIL
RIGID PVC



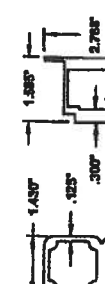
㉞ BOX SCREEN
TOP RAIL
6063-T6 ALUM.



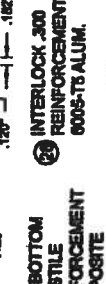
㉟ BOX SCREEN
BOTTOM RAIL
6063-T6 ALUM.



㊱ BOX SCREEN
SIDE RAIL
6063-T6 ALUM.



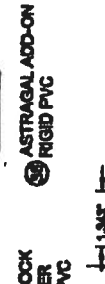
㊲ BOX SCREEN
ADAPTER
6063-T6 ALUM.



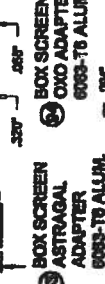
㊳ BOX SCREEN
OXO ADAPTER
6063-T6 ALUM.



㊴ BOX SCREEN
FIXED PANEL CLIP
6063-T6 ALUM.



㊵ BOX SCREEN
TOP RAIL
6063-T6 ALUM.



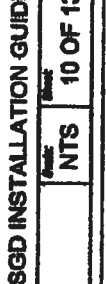
㊶ BOX SCREEN
BOTTOM RAIL
6063-T6 ALUM.



㊷ BOX SCREEN
SIDE RAIL
6063-T6 ALUM.



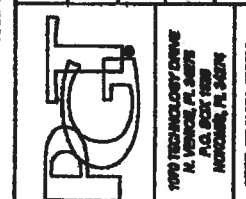
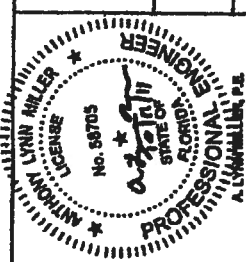
㊸ BOX SCREEN
ADAPTER
6063-T6 ALUM.



㊹ BOX SCREEN
OXO ADAPTER
6063-T6 ALUM.



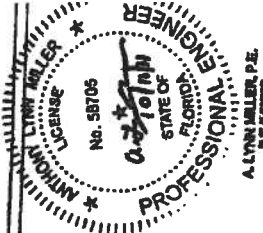
㊺ BOX SCREEN
FIXED PANEL CLIP
6063-T6 ALUM.



Revised for	Date	10/11/11	Revision	FBC 2010 CODE
Drawn by	J.J.		Checked by	
Part Details				

PRODUCT REVIEWED
in accordance with the Florida
Building Code
Application No. 16-118-24
Application Date 11/18/10
11/18/10
J. ROSOWSKI

VINYL SGD INSTALLATION GUIDELINES		Date: 11/18/10	
Sheet No.	470	Sheet	10 OF 13
Project	NTS	Sheet	MD-SGD470-01
PART DETAILS		A	



BILL OF MATERIALS

Project: 10/11/11
FBC 2010 CODE
J. ROSOWSKI
11/18/10

VINYL SGD INSTALLATION GUIDELINES

NTS 11 OF 13 MD-SGD70-01

470

THE RCF

RCF TECHNOLOGY CORP.
11000 N. W. 11th Ave.
P.O. Box 1000
Miami, FL 33142

CONF. OF AFFILIATION

RECEIVED SERVICES
11/18/10
11/18/10
11/18/10

Part #	PGT. #	Description
90	612208	Box Screen
91	612257	Screen Top Rail
92	612258	Screen Bottom Rail
93	612258	Screen Side Rail - Locktite
94	612258	Screen Astragal
95	617349	OMO Screen Astragal Adapter
96	617349	Screen Double Insetlock
97	617349	Screen Bug Flap
98	617349	Screen Keeper Spacer Set
99	617349	1/4-20 x 1-1/2" S.S.
100	720012X	1/4-20 x 1-1/2" S.S.
101	720012X	Wedge, 270° x .180" - Fin Seal
102	78942	Standard Roller
103	78942	Screen Lockset
104	78942	Screen Lock Keeper Spacers
105	78942	Screen Lock Keeper
106	78942	Standard Screen
107	612003	Screen Frame - Top/Bottom Rail
108	612003A	Screen Frame - Side Rail (Latch)
109	612003	Screen Frame - Side Rail
110	617363	OMO Screen Astragal Adapter
111	64853K	Vinyl Astragal
112	617366	Screen Sill Adapter
113	617366	Bug Flap
114	617366	Rail
115	617366	#4 x 1" Ph. Ph. SWS
116	617366	#6 x 1-1/2" Ph. Ph. SWS A Z
117	74012A	Screw Boss Bushing
118	74012A	Corner Key Wheel Assy. (Standard)
119	74012A	Corner Key Wheel Assy. (S.S. w/bushing)
120	418006	Screen Handle
121	418006	Screen Handle Sills
122	704008	Screen Latch Assy.
123	78942	Screen Keeper
124	61803K	Standard Screen Spine - 1/4"
125	61803K	Screen Spine - 1/4"
126	61803K	Screen Spine - 1/2"
127	61803K	Screen Cloth
128	61803K	
129	61803K	
130	61803K	

Part #	PGT. #	Description
50	418042	Frame Header Block
51	40802	Roller Adj. Hole Plug
52	41735	SGD Panel Corner-Along
53	41738	SGD Panel Corner-Along Cover
54	71803	Dust Plug
55	44305	4 Hole Bumper Stop
56	618037M	Fixed Panel Clip
57	71803G	Sill Plug
58	78942	#8 x 3/8" Ph. Ph. TEK Screw
59	78942	#8 x 3/4" Ph. Ph. TEK - S.S.
60	78942	#8 x 1" Quad - S.S.
61	78942	#8 x 1" Ph. Ph. TEK - S.S.
62	78942	#10 x 1-1/2" Ph. Ph. Keeper Screws
63	710012PPX	#10 x 2" Ph. Ph. S.S. Screw
64	710012PPX	#10 x 2-1/2" Ph. Ph. Tek S.S.
65	710012PPX	#12 x 1-1/2" Ph. Ph. A
66	710012PPX	GE 7000 Silicone
67	710012PPX	Dow Corning 665 Silicone
68	710012PPX	Neoprene Sealing Block 1-1/2" x 1-1/2"
69	710012PPX	Silicone-Foam Rubber Spacer - 11/16"
70	710012PPX	Hot-melt Butyl
71	618010	1-1/16" Beaded Seal
72	618015	1-1/16" Ogive Bead
73	62139	Ogives Vinyl Muntin
74	63000	Insulated Glass Muntin - Horizontal
75	4000N	I.G. Intersection
76	78942	I.G. Gridlock Clip - 7/16"
77	78942	I.G. Gridlock Clip - 5/16"

Part #	PGT. #	Description
1	618001	2-Track Head/Jamb
2	618002	2-Track Sill
3	618003	3-Track Head/Jamb
4	618004	3-Track Sill
5	618005	4-Track Head/Jamb
6	618006	4-Track Sill
7	618007	Frame Sill Cover
8	618008	Anchor Plate
9	618009	Track Insert
10	618010	Aluminum Keeper
11	618011	Bottom Rail Support
12	618012	Outer Sill Cover
13	618013	Sill Track Cover
14	618014	Box Screen Sill Add-on
15	618015	Outer Screen Head (Standard Screen)
16	618016	Box Screen Head and Jamb Add-on
17	618017	Sill Rivet - (DP100)
18	618018	Sill Rivet - (DP100)
19	618019	Sill Rivet - (DP100)
20	618020	P-Track Adapter
21	618021	P-Track
22	618022	Reinforcement Cover
23	618023	Reinforcement Plate
24	618024	Top, Bottom and Side Reinf. (Alum)
25	618025	Top, Bottom and Side Reinf. (Comp.)
26	618026	Insetlock .300 Reinforcement
27	618027	Insetlock .400 Reinforcement
28	618028	Astragal Reinforcement
29	618029	Reinforcement Plate
30	618030	Insetlock Adapter
31	618031	Astragal Add-on
32	618032	Panel Sill, Top/Bottom Rail
33	618033	.187" x .280 Fin Seal (Sill)
34	618034	1-1/2" x 1" x 3/4" Fin Seal Dust Plug
35	618035	Insetlock Clip Cover
36	618036	Tandem S.S. Roller Assy.
37	618037	Tandem Nylon Roller Assy.
38	618038	P-Track Reinforcement plate
39	618039	#10 x 1-1/4" Ph SWS

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

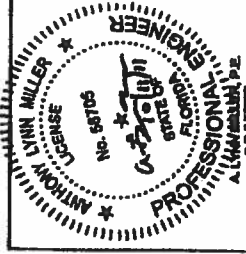
TYPE	STANDARD	REVERSE
2P2T		
2P2T		
3P2T		
3P2T		NOT AVAILABLE
3P3T		
3P3T		
4P2T		NOT AVAILABLE
4P2T		NOT AVAILABLE
4P4T		
4P4T		
5P3T		
5P3T		

TYPE	LEFT HAND POCKETS	LEFT HAND POCKETS
1P2T		
2P2T		
3P3T		
4P4T		
2P2T		
4P2T		
6P3T		
8P4T		

TYPE	
6P3T	
8P3T	
8P4T	
8P4T	

NOTE:
 1) MAXIMUM OF 80 BEST PANELS UP TO 80" FRAME HEIGHT.
 2) MAXIMUM OF 40 FOUR PANEL CONFIGURATION FOR FRAME HEIGHTS OVER 80" AND UP TO 100".
 3) MAXIMUM FOUR FRAME WIDTH (EXCLUDING POCKETS IF APPLICABLE) IS LIMITED TO 48'-4 1/4".

↑ INTERIOR
 ↓ EXTERIOR



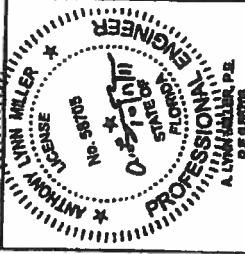
PGI TECHNOLOGY DRIVE
 11000 N. VERDE, FL 32078
 P.O. BOX 1000
 NOKOMIS, FL 32061
 CERT. OF AUTH. ADDRESS

Product By: J.J.
 Date: 10/11/11
 Revision: FBC 2010 CODE

DESCRIPTION: SAMPLE CONFIGS AND PANEL NAMES
 TITLE: VINYL SGD INSTALLATION GUIDELINES
 DATE: 11/18/10
 DRAWING NO: 470
 NTS: 12 OF 13
 MD-SGD470-01
 A

PRODUCT DESIGNED
 IN COMPLIANCE WITH THE PROVISIONS
 OF THE 2010 INTERNATIONAL BUILDING
 CODE (IBC) AND THE 2010
 INTERNATIONAL RESIDENTIAL CODE (IRC)
 11/18/10
 11/18/10
 11/18/10

P	SINGLE INTERLOCK	FIXED LOCKSTILE	F	SINGLE INTERLOCK	SINGLE INTERLOCK	C	DOUBLE INTERLOCK	ASTRAGAL
R	FIXED LOCKSTILE	SINGLE INTERLOCK	H	SINGLE INTERLOCK	SINGLE INTERLOCK	M	LOCKSTILE	DOUBLE INTERLOCK
T (BOX OUT)	ASTRAGAL OUT	FIXED LOCKSTILE	K	SINGLE INTERLOCK	LOCKSTILE	J	LOCKSTILE	ASTRAGAL
T (BOX IN)	ASTRAGAL IN	FIXED LOCKSTILE	U (BOX OUT)	ASTRAGAL OUT	LOCKSTILE	SD	SINGLE INTERLOCK	DOUBLE INTERLOCK
S (BOX OUT)	FIXED LOCKSTILE	ASTRAGAL OUT	U (BOX IN)	ASTRAGAL IN	LOCKSTILE	A	DOUBLE INTERLOCK	LOCKSTILE
S (BOX IN)	FIXED LOCKSTILE	ASTRAGAL IN	A	SINGLE INTERLOCK	LOCKSTILE	U	ASTRAGAL	LOCKSTILE
L (BOX OUT)	SINGLE INTERLOCK	ASTRAGAL OUT	D	LOCKSTILE	SINGLE INTERLOCK	DS	DOUBLE INTERLOCK	SINGLE INTERLOCK
LR (BOX OUT)	ASTRAGAL OUT	SINGLE INTERLOCK	J (BOX OUT)	LOCKSTILE	ASTRAGAL OUT			
N (BOX IN)	ASTRAGAL IN	SINGLE INTERLOCK	J (BOX IN)	LOCKSTILE	ASTRAGAL IN			
C (BOX IN)	SINGLE INTERLOCK	ASTRAGAL IN						
B	SINGLE INTERLOCK	SINGLE INTERLOCK						
M	LOCKSTILE	SINGLE INTERLOCK						

		1000 TECHNOLOGY DRIVE N. VENICE, FL 33595 P.O. BOX 1029 NORFOLK, VA 24054 CERT. OF AUTH. ISSUED	
		PANEL TYPES VINYL SGD INSTALLATION GUIDELINES	
INTERIOR EXTERIOR		470	

REVISIONS 1) SEE INSTRUCTIONS FOR ANCHOR 2) SEE TABLES 2 & 3 FOR REINFORCEMENT REQUIREMENTS. 3) CONTINUOUS ANCHOR PLATE, ITEM 18, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.	10/11/11 J.J. 10/11/11	FBC 2010 CODE 13 OF 13	J ROSOWSKI 11/18/10
--	------------------------------	---------------------------	------------------------