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/economy

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

NOTICE OF ACCEPTANCE (NOA)

PGT Industries
1070 Technology Drive,
Nokomis, Fl. 34275

SCOPE:

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

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

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

DESCRIPTION: Series "5470" 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 06/10/15, 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: 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 types, glass types, sill riser (detail sheet 6) and anchors requirements.**
2. **See sheet (12) for panel configurations & limitations. Size over 96" height is limited to max 4-panels.**
3. **Rigid White PVC, Tan (Non-white) Rigid PVC and Brown coated (Painted or laminated) white Rigid PVC to be labeled per referenced NOA's requirements.**
4. **Egress operable doors must comply with min clear width or height per FBC requirement, as applicable.**
5. **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", 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 #11-1018.20** 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

6/16/15

NOA No. 15-0409.04
Expiration Date: April 21, 2016
Approval Date: June 18, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under files: **see below**).
2. 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 06/10/15, signed and sealed by Lynn Miller, P.E.

Note: This revision consists of series changes and FBC update.

B. TESTS (Submitted under files #11-1018.20 /#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 202-94

   along 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-1thru 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. Anchor verification calculations and structural analysis, complying with FBC-2014, prepared by PGT, dated 03/30/15and last revised on 06-09-15, signed and sealed by Anthony L. Miller, P.E.
2. Glazing complies with ASTME-1300-02, -04 & -09

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0820.11** issued to Vision Extrusion Ltd for their "**White Rigid PVC**", expiring on 09/30/19.
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. **14-0820.12** issued to Vision Extrusion Ltd for their "Brown Coated (Painted or Laminated) **White Rigid PVC**", expiring on 09/30/19
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.

F. STATEMENTS

1. Statement letters dated 03/30/15 compliance to FBC 2014 (5th Edition) and "No financial interest", prepared by PGT, signed & sealed by Lynn Miller, P.E
2. Letter of lab compliance, part of the above test reports.

G. OTHER

1. This NOA **revises #11-1018.20**, expiring April 21, 2016.
2. PGT dated March 30, 2015 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. 15-0409.04
Expiration Date: April 21, 2016
Approval Date: June 18, 2015

GENERAL NOTES: SERIES 5470 NON-IMPACT SLIDING GLASS DOOR

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: (FROM EXTERIOR TO INTERIOR); 3/16" TEMPERED GLASS + 11/16" 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., (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.

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

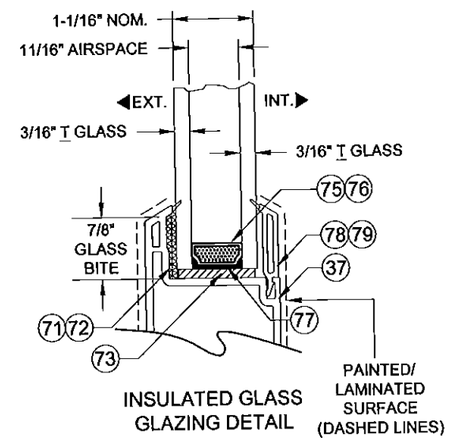
11) REFERENCES: TEST REPORTS FTL-6337 & 6338; EXOVA-10-002-792(A) & 10-006-10231; CAMBRIDGE 535753-09; ELCO ULTRACON PER CURRENT NOA; ELCO CRETEFLEX PER CURRENT NOA; VISION EXTRUSION, LTD: WHITE RIGID PVC PER CURRENT NOA, VE 1000 TAN 202 AND LIGHTER SHADES (NON-WHITE) RIGID PVC PER CURRENT NOA AND BROWN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

12) THE 5470 SERIES IS ALSO KNOWN AS THE 470 SERIES.

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 8. FOR DOORS USING THE STANDARD OR COMPOSITE REINFORCEMENT, USE TABLE 3, SHEET 9.
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 2-3, SHEETS 8 & 9), VERIFY THAT THE REQUIRED DESIGN PRESSURE IS MET OR EXCEEDED. USE THE ANCHOR QUANTITIES SHOWN.
5. INSTALL AS PER THE INSTRUCTIONS ON SHEETS 5 & 6, 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
VARIES, SEE SHEETS 8 & 9	NOT RATED FOR IMPACT RESISTANCE

NOTE:
BACKBEDDING SURFACES SHALL NOT BE PAINTED OR LAMINATED.



INSULATED GLASS GLAZING DETAIL

NOA DRAWING MAP

	SHEET
GENERAL NOTES	1
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 REVISED
in complying with the Florida Building Code
Acceptance No. 15-0409.04
Expiration Date APR 21, 2016
By [signature]
Chief Code Product Control

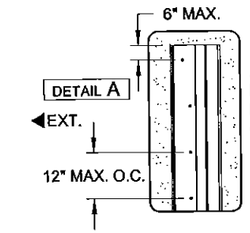
ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
6/10/15
A. LYNN MILLER, P.E.
P.E.# 58705

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

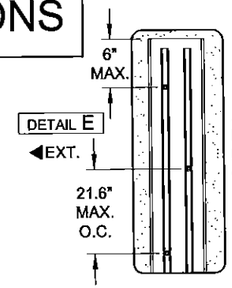
Revised By:	Date:	Revision:
JR	03/17/15	- ANCHORS RECALC. - "470" TO "5470" - REMOVED DATES
Revised By:	Date:	Revision:

Description: GENERAL NOTES & GLASS TYPES			Drawn By: J ROSOWSKI	
Title: VINYL SGD INSTALLATION GUIDELINES			Date: 11/18/10	
Series/Model: 5470	Scale: NTS	Sheet: 1 OF 13	Drawing No. MD-SGD470-01	Rev: A

2-TRACK CONFIGURATIONS

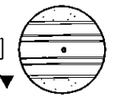


ANCHOR LOCATIONS FOR POCKET CONDITIONS. ANCHORS INTO P-HOOK.



ANCHOR LOCATIONS FOR BYPASS CONDITIONS.

1 ANCHOR @ CENTER OF EACH PANEL. SEE TABLES ON SHEETS 8 & 9.



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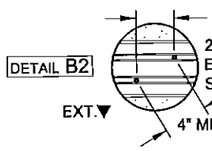
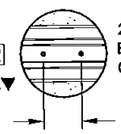


2 ANCHORS @ CENTER OF EACH PANEL. SEE TABLES ON SHEETS 8 & 9.



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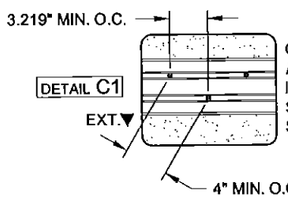
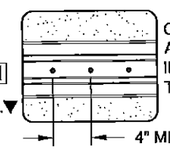


CLUSTER OF 3 ANCHORS @ STILE INTERSECTIONS. SEE TABLES ON SHEETS 8 & 9.



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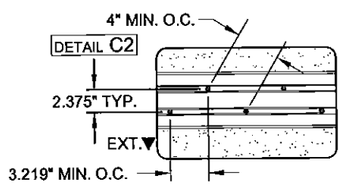
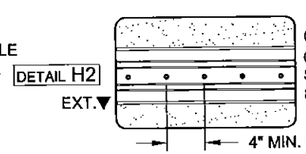


CLUSTER OF 5 ANCHORS @ STILE INTERSECTIONS. SEE TABLES ON SHEETS 8 & 9.



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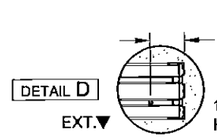
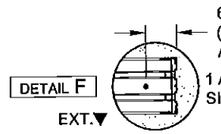
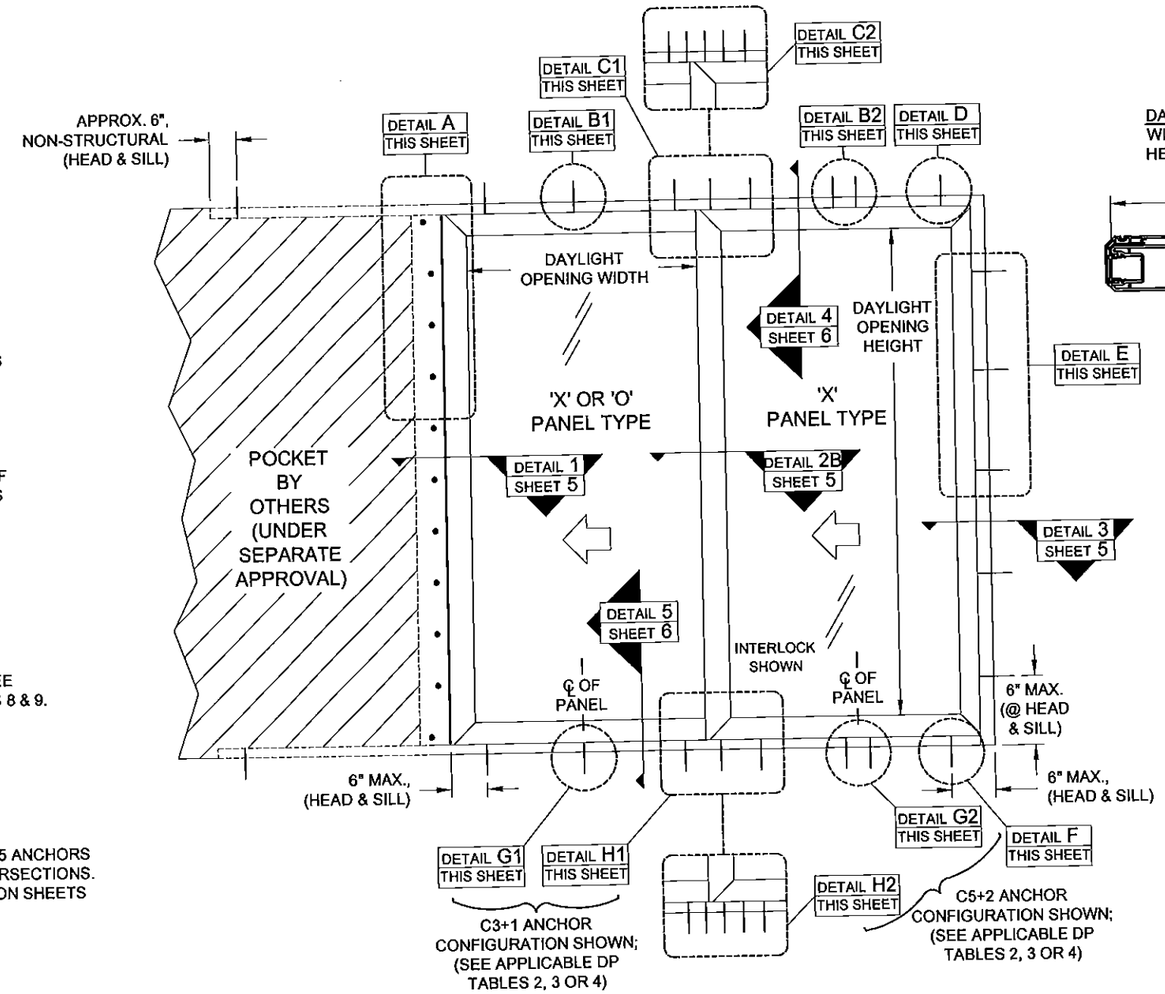


1 ANCHOR @ HEAD ENDS.

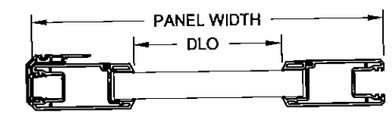


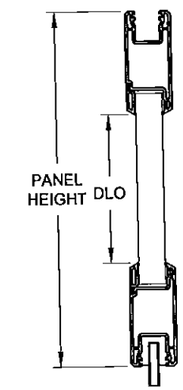
1 ANCHOR @ SILL ENDS.

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

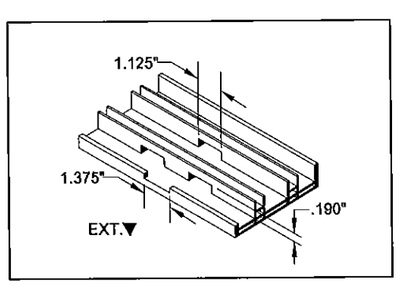


DAYLIGHT OPENING (DLO) FORMULAS
WIDTH: PANEL WIDTH - 8-9/16"
HEIGHT: PANEL HEIGHT - 8-9/16"

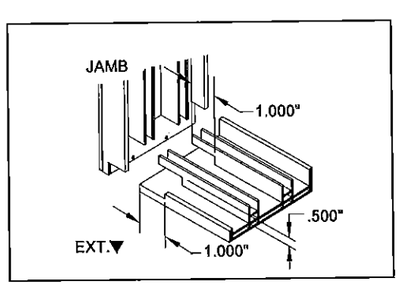




NOTES:
1) FOR CONFIGURATIONS, SEE SHEET 12.
2) FOR ANCHOR EDGE DISTANCE AND EMBEDMENT, SEE TABLE 1 SHEET 6.
3) DAYLIGHT OPENING (DLO) FORMULAS:
WIDTH: PANEL WIDTH - 8-9/16"
HEIGHT: PANEL HEIGHT - 8-9/16"
4) PANEL HEIGHT = FRAME HEIGHT - 2.5"



WEEPHOLE PATTERN @ 24" O.C.



WEEPHOLE PATTERN @ SILL ENDS

ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
6/10/15
A. LYNN MILLER, P.E.
P.E.# 58705

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 15-0408.04
Expiration Date 4/22/16
By Ishwar L. Chand
Miami Dade Product Control

PGT®

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

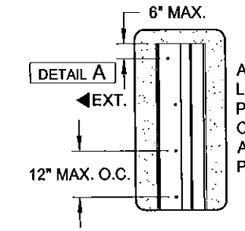
CERT. OF AUTH. #29296

Revised By:	Date:	Revision:
JR	03/17/15	CORRECTED DLO
Revised By:	Date:	Revision:

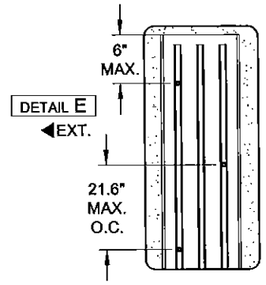
Description:	Drawn By:
ANCHOR LOCATIONS (2 TRACKS)	J ROSOWSKI
Title: VINYL SGD INSTALLATION GUIDELINES	Date: 11/18/10

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
5470	NTS	2 OF 13	MD-SGD470-01	A

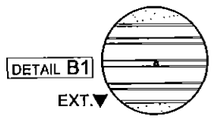
3-TRACK CONFIGURATIONS



ANCHOR LOCATIONS FOR POCKET CONDITIONS. ANCHORS INTO P-HOOK.



ANCHOR LOCATIONS FOR BYPASS CONDITIONS.



1 ANCHOR @ CENTER OF EACH PANEL. SEE TABLES ON SHEETS 8 & 9.

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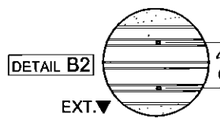

2 ANCHORS @ CENTER OF EACH PANEL. SEE TABLES ON SHEETS 8 & 9.

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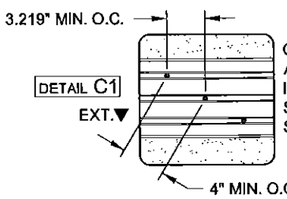
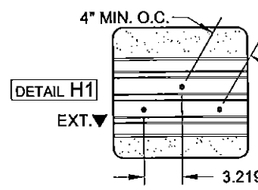
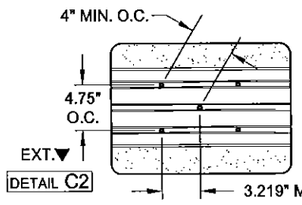


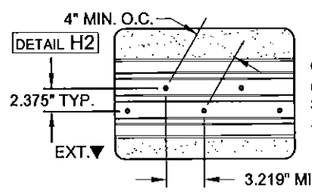
CLUSTER OF 3 ANCHORS @ STILE INTERSECTIONS. SEE TABLES ON SHEETS 8 & 9.



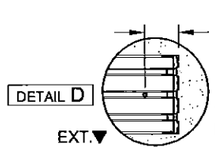
CLUSTER OF 3 ANCHORS @ STILE INTERSECTIONS. SEE TABLES ON SHEETS 8 & 9.



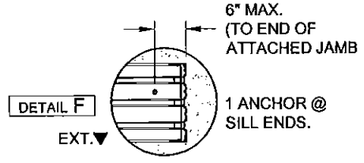
CLUSTER OF 5 ANCHORS @ STILE INTERSECTIONS. SEE TABLES ON SHEETS 8 & 9.



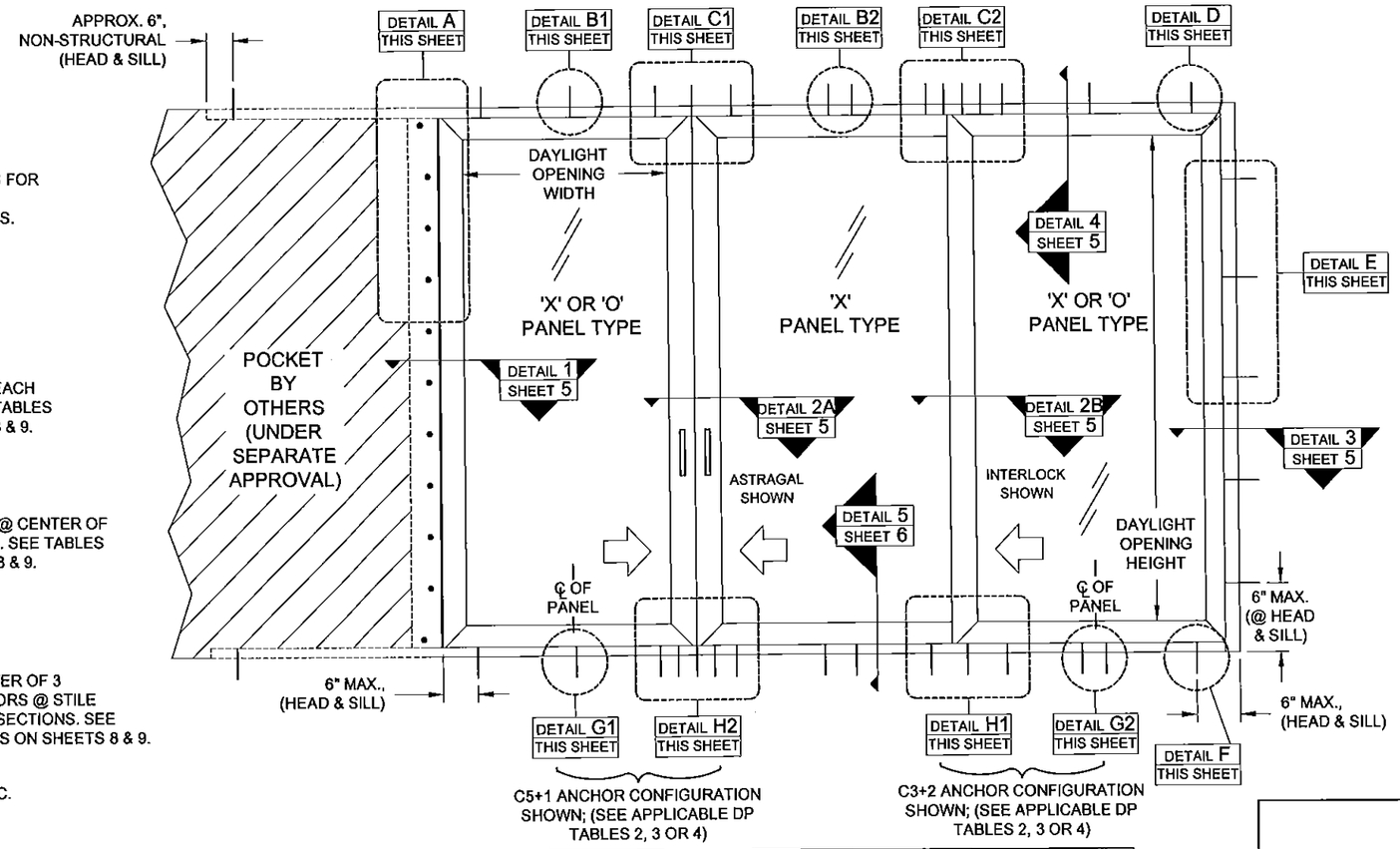
CLUSTER OF 5 ANCHORS @ STILE INTERSECTIONS. SEE TABLES ON SHEETS 8 & 9.

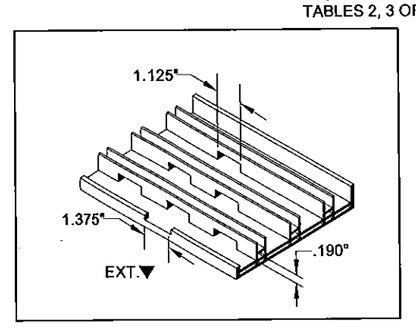


1 ANCHOR @ HEAD ENDS.

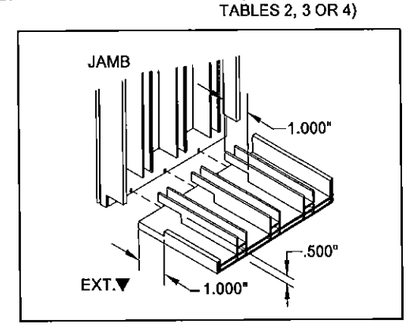


1 ANCHOR @ SILL ENDS.





WEEPHOLE PATTERN @ 24" O.C.



WEEPHOLE PATTERN @ SILL ENDS

NOTES:
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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
6/1/15
A. LYNN MILLER, P.E.
P.E.# 58705

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 15-0409.04 Expiration Date 4/21/16
By Miami Dade Product Control

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

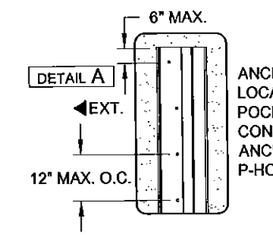
Revised By:	Date:	Revision:
JR	03/17/15	CORRECTED DLO
Revised By:	Date:	Revision:

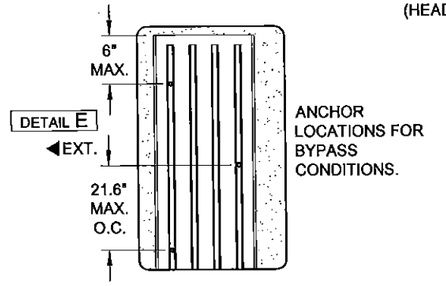
Description:	Drawn By:
ANCHOR LOCATIONS (3 TRACKS)	J ROSOWSKI

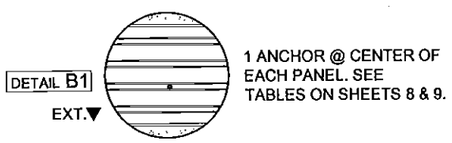
Title:	Date:
VINYL SGD INSTALLATION GUIDELINES	11/18/10

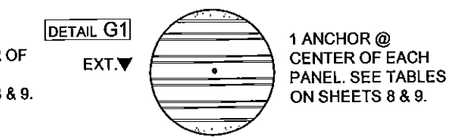
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
5470	NTS	3 OF 13	MD-SGD470-01	A

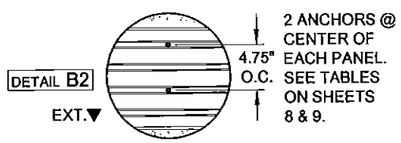
4-TRACK CONFIGURATIONS

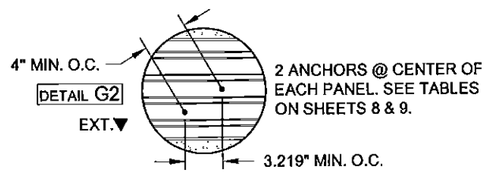


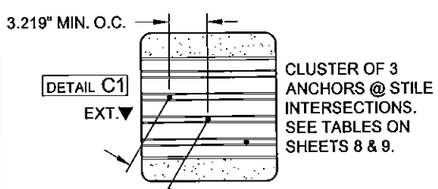


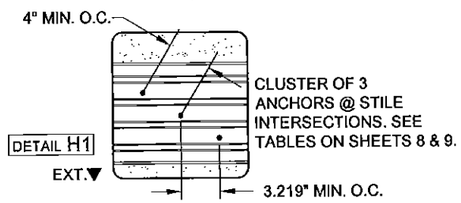


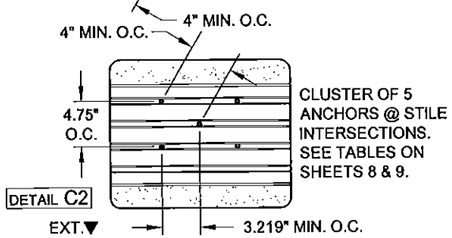


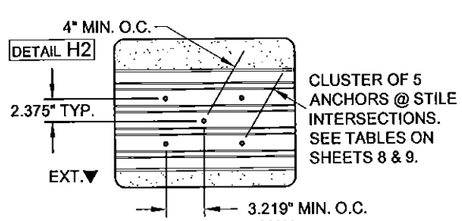


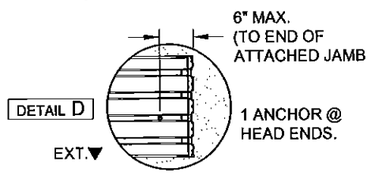


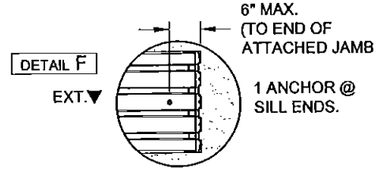


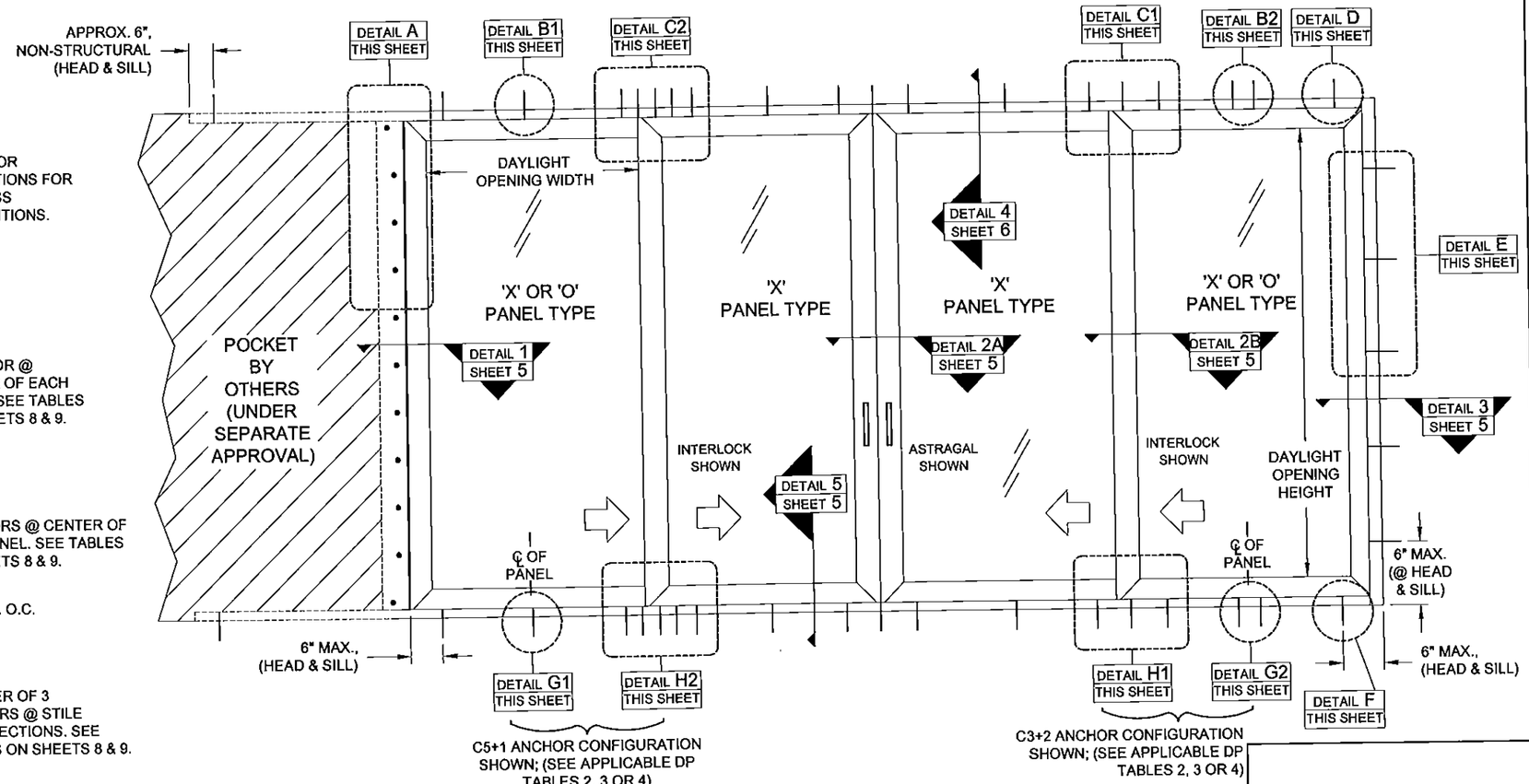


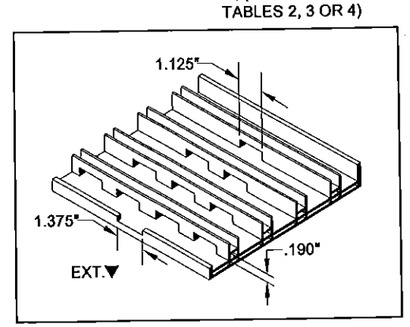




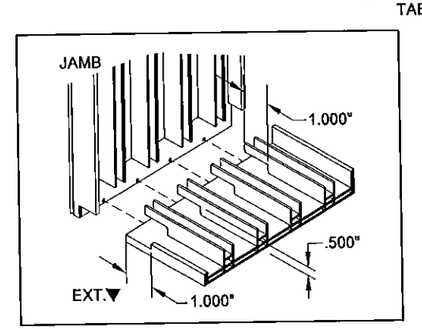








WEEPHOLE PATTERN @ 24" O.C.



WEEPHOLE PATTERN @ SILL ENDS

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ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
6/10/15
A. LYNN MILLER, P.E.
P.E.# 58705

PRODUCT REVIEWED as complying with the Florida Building Code
Acceptance No. 15-0409.04
Expiration Date 4/21/16
By Miami Dade Product Control

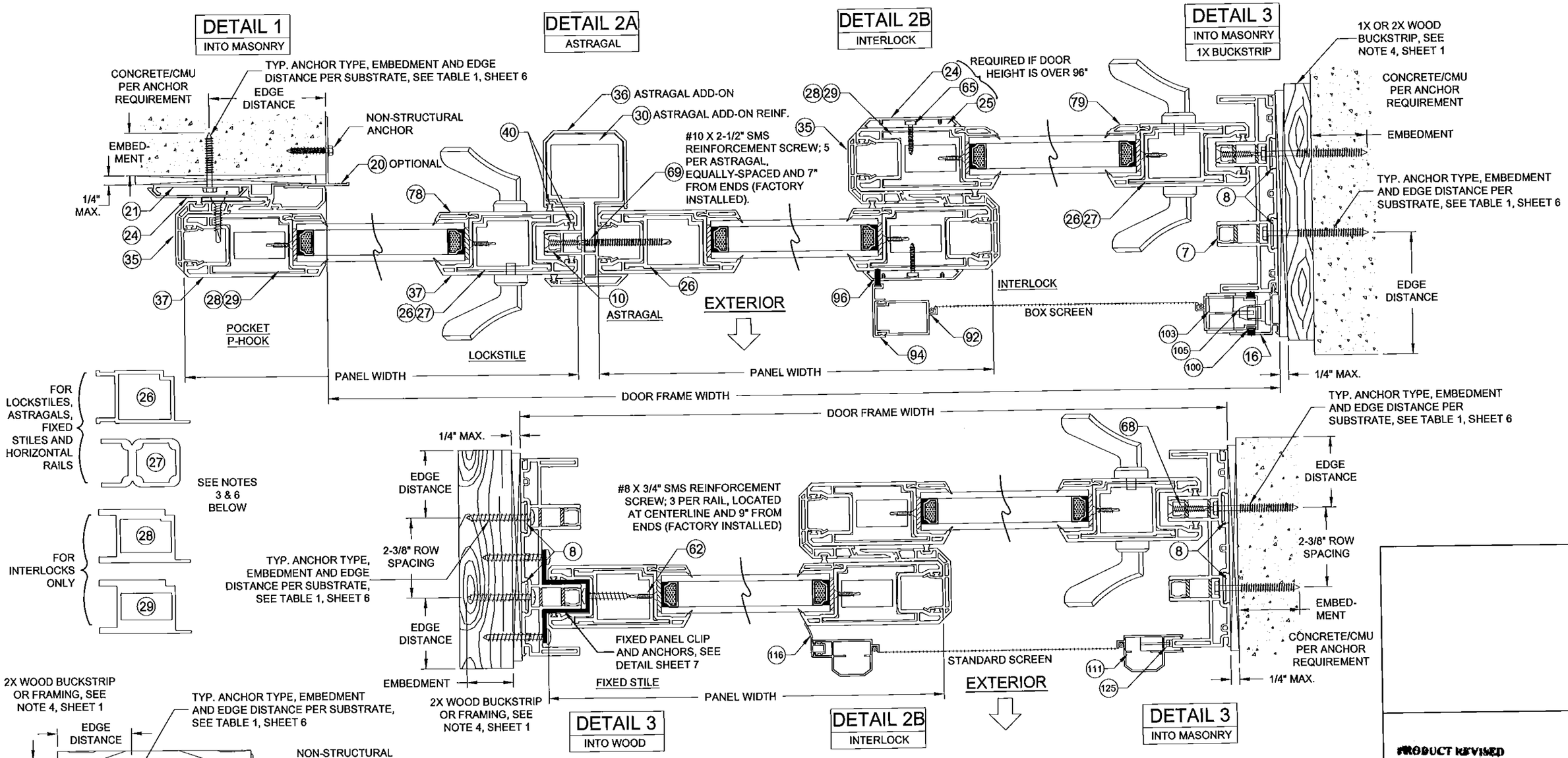
PGT®
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274
CERT. OF AUTH. #29296

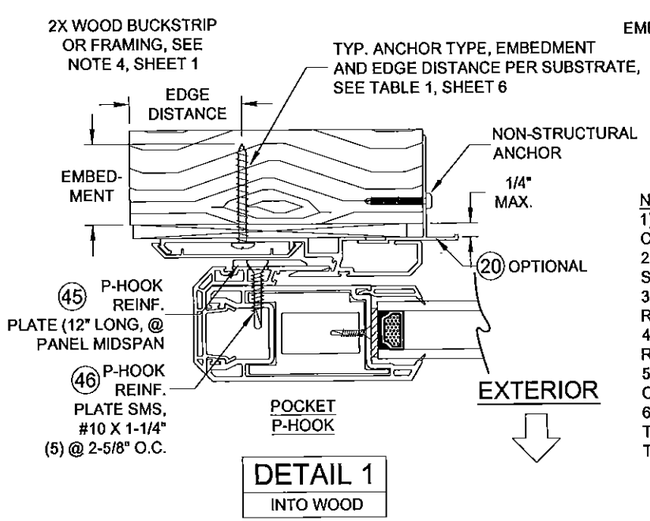
Revised By:	Date:	Revision:
JR	03/17/15	CORRECTED DLO

Description:	Drawn By:
ANCHOR LOCATIONS (4 TRACKS)	J ROSOWSKI

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

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
5470	NTS	4 OF 13	MD-SGD470-01	A





NOTES
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2) SEE SHEETS 2-4 FOR ANCHOR LOCATION & SPACING.
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5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR ASTRAGAL ADD-ON.
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ANTHONY LYNN MILLER
LICENSE
No. 58705
6/10/15
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

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N. VENICE, FL 34275
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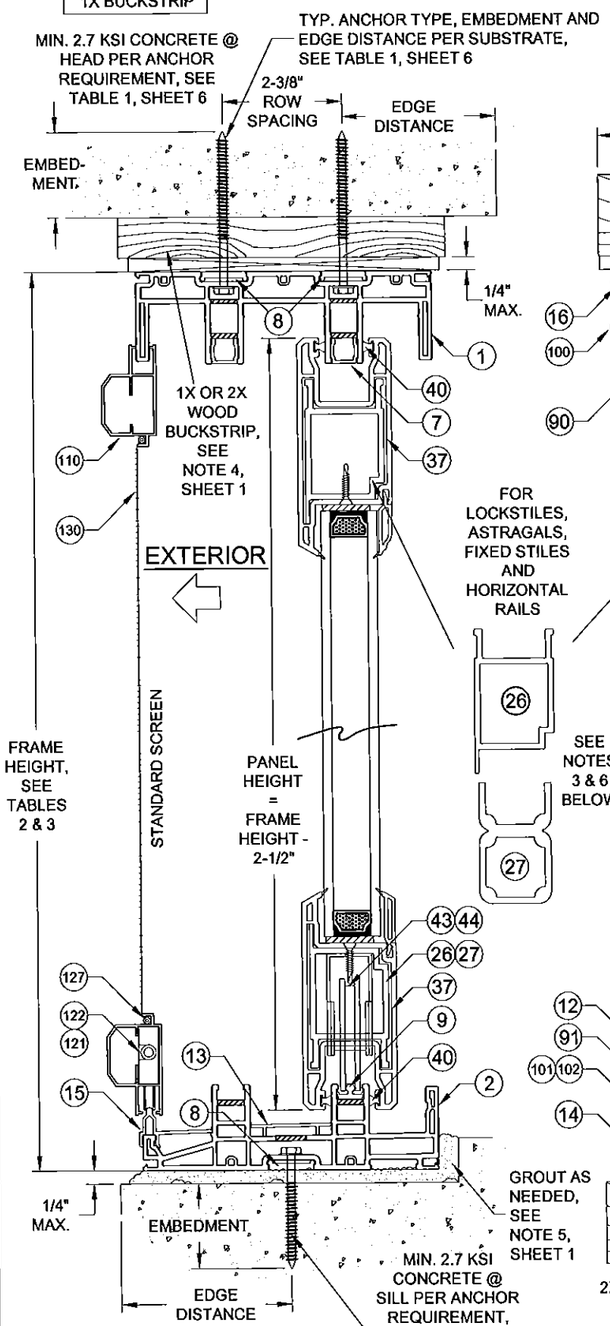
Revised By:	Date:	Revision:
JR	03/17/15	NO CHANGES THIS SHEET
Revised By:	Date:	Revision:

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 15-0409.04
Expiration Date 4/21/16
By [signature]
Miami Dade Product Control

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

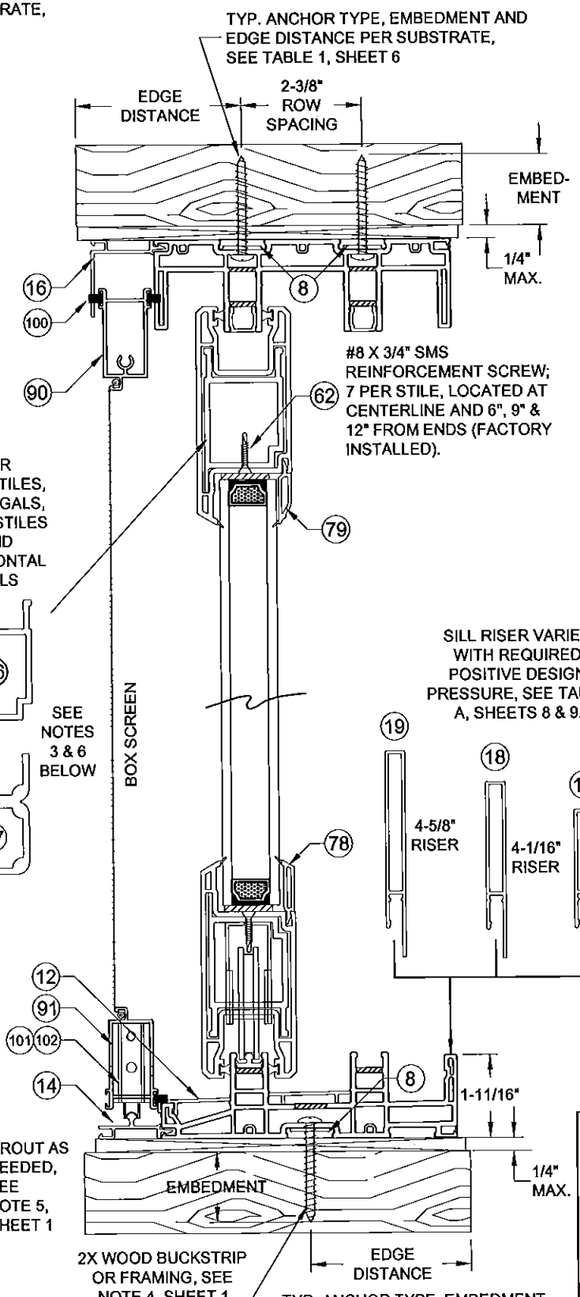
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
5470	NTS	5 OF 13	MD-SGD470-01	A

DETAIL 4
INTO MASONRY
1X BUCKSTRIP



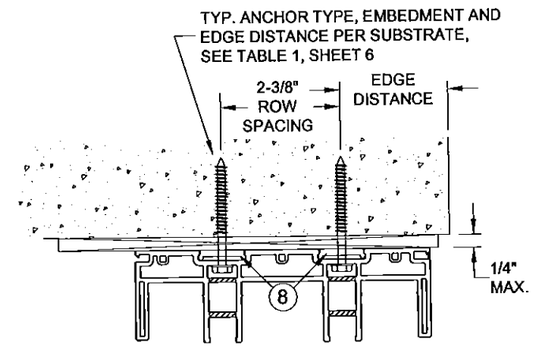
DETAIL 5
INTO MASONRY

DETAIL 4
INTO WOOD

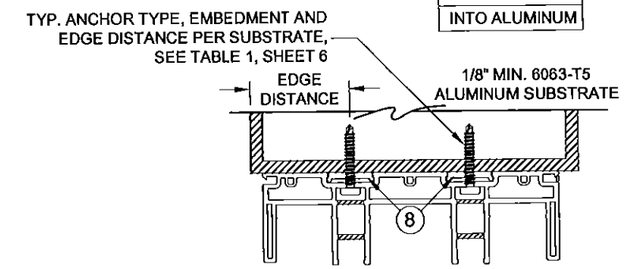


DETAIL 5
INTO WOOD

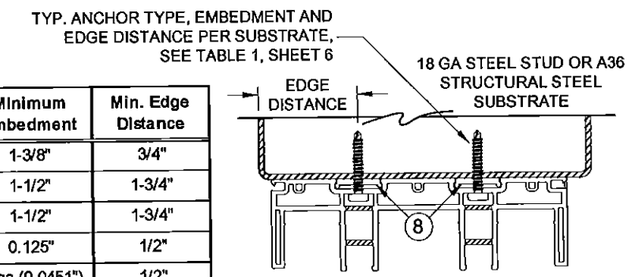
DETAIL 4
INTO MASONRY



DETAIL 4
INTO ALUMINUM



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



DETAIL 4
INTO STEEL

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. 2.84 ksi)	1/4" Elco UltraCon	1-3/8"	1 3/16"
	Concrete (min. 3.35 ksi)	1/4" Elco Crete-Flex SS4	1-3/4"	1 3/16"
	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. 2.84 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
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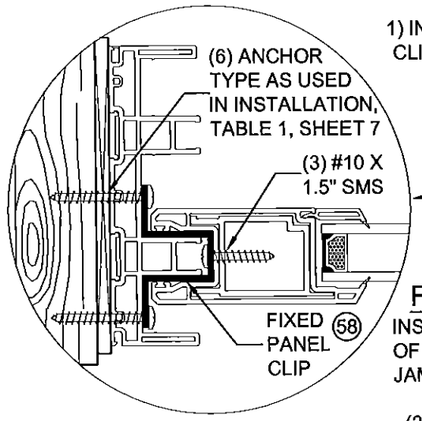
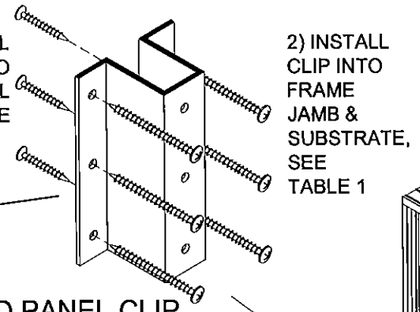
Revised By:	Date:	Revision:
JR	03/17/15	NO CHANGES THIS SHEET
Revised By:	Date:	Revision:

Description: VERTICAL INSTALLATION DETAILS
Drawn By: J ROSOWSKI
Title: VINYL SGD INSTALLATION GUIDELINES
Date: 11/18/10
Series/Model: 5470
Scale: NTS
Sheet: 6 OF 13
Drawing No. MD-SGD470-01
Rev: A



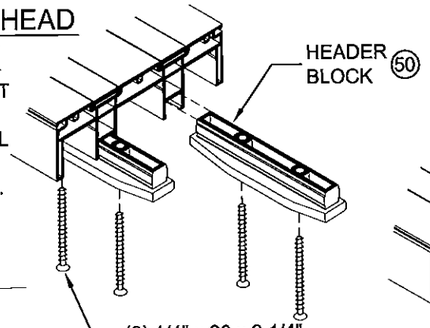


FIXED PANEL CLIP

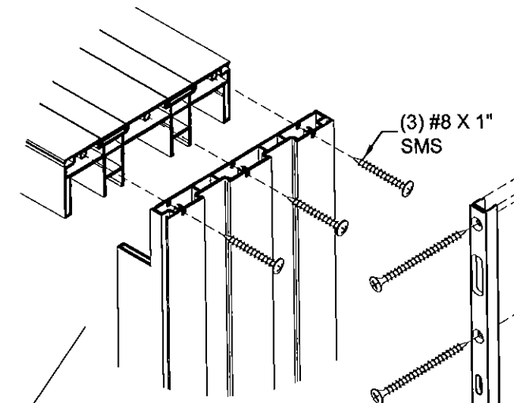
INSTALL ONE CLIP AT THE MIDSPAN OF EACH FIXED PANEL-TO-FRAME JAMB LOCATION.

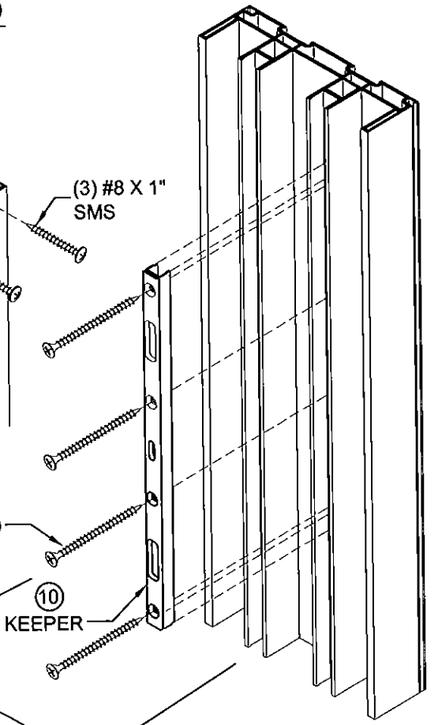
HEADER BLOCK TO HEAD ATTACHMENT

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

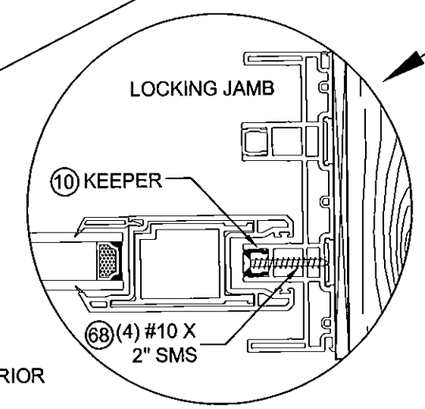


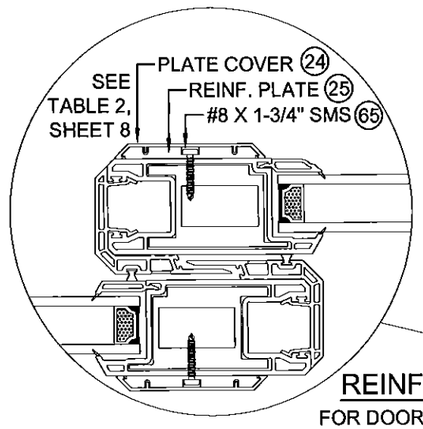
JAMB TO HEAD ASSEMBLY





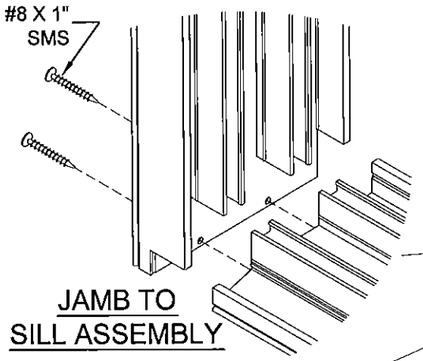
KEEPER TO JAMB ATTACHMENT



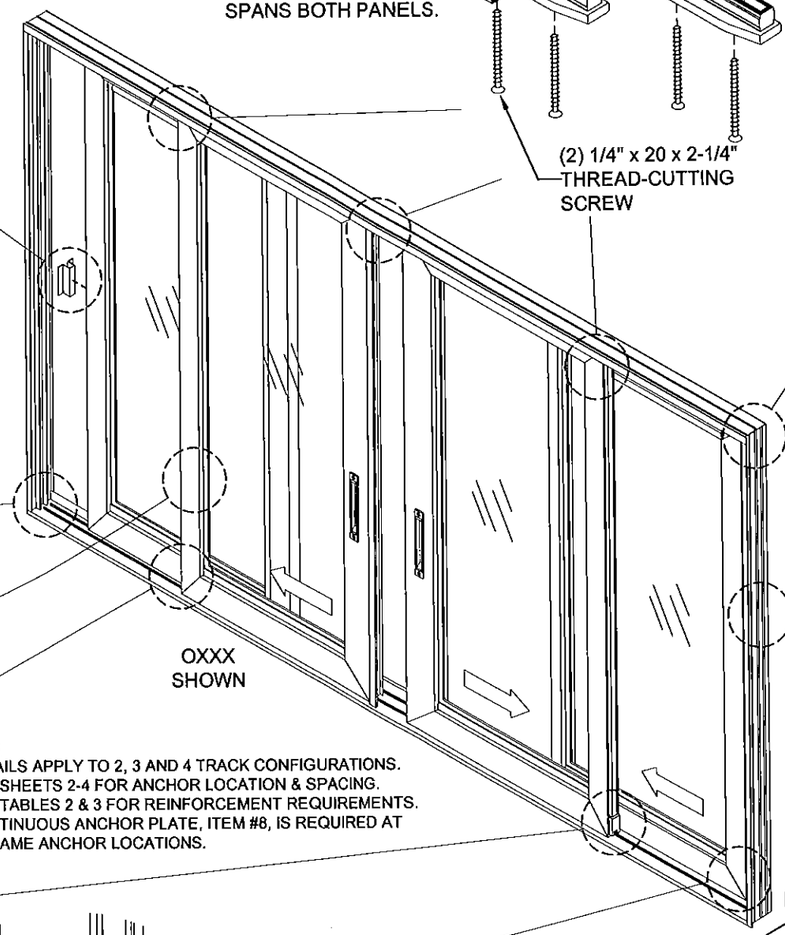


REINFORCEMENT PLATE

FOR DOORS OVER 96". 10 ANCHORS @ 3", 6", 9", 12", & 46.5" FROM EACH END



JAMB TO SILL ASSEMBLY



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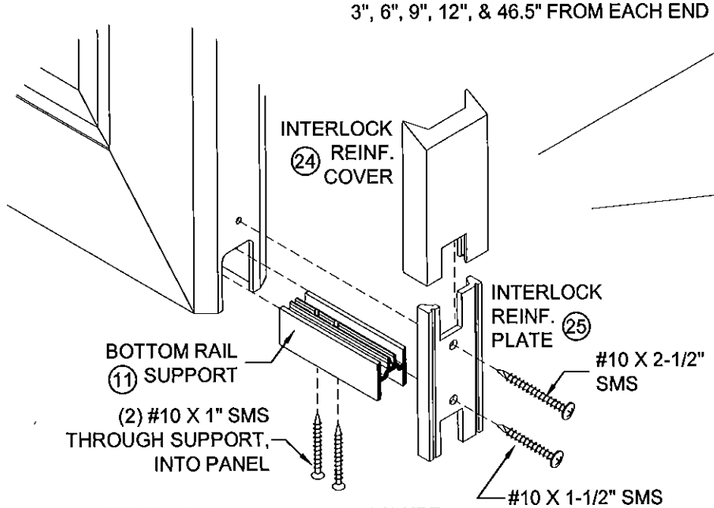
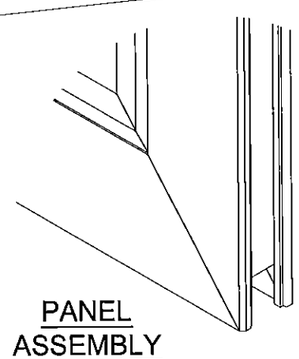


INTERLOCK SILL RETAINER CLIP ATTACHMENT

INSTALL ONE ASSEMBLY AT EACH INTERLOCK



PANEL ASSEMBLY

ALL PANEL CORNERS WELDED, NO ASSEMBLY FASTENERS

ANTHONY LYNN MILLER
LICENSE
No. 58705
6/10/15
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 15-0405.04
Expiration Date 4/21/16
By Miami Dade Product Control

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

Revised By:	Date:	Revision:
JR	03/17/15	NO CHANGES THIS SHEET
Revised By:	Date:	Revision:

Description:	Drawn By:
ACCESSORIES INSTALLATION DETAILS	J ROSOWSKI

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

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
5470	NTS	7 OF 13	MD-SGD470-01	A

TABLE 2:

Anchor Quantities and Design Pressures using Heavy Duty Reinforcement

Anchor and Substrate Type. See Table 1, Sheet 6		FRAME HEIGHT (IN)																			
		8-PANEL MAXIMUM CONFIGURATION												4-PANEL MAXIMUM CONFIGURATION							
		80				84				96				108				120			
NOM. PANEL WIDTH (IN)	FRAME SIDE	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
24	Head & Sill	C5+1	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1
	Jamb	5	5	7	5	5	5	7	5	5	5	7	5	6	6	8	6	6	6	8	6
	P-hook	8	7	7	7	8	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
	Design Pressure	+169.4	+169.4	+169.4	+169.4	+160.0	+160.0	+160.0	+160.0	+137.1	+137.1	+137.1	+137.1	+120.0	+120.0	+120.0	+120.0	+106.7	+106.7	+106.7	+106.7
		-169.4	-169.4	-169.4	-169.4	-160.0	-160.0	-160.0	-160.0	-137.1	-137.1	-137.1	-137.1	-130.0	-130.0	-130.0	-130.0	-115.6	-115.6	-115.6	-115.6
30	Head & Sill	C5+2	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1
	Jamb	5	5	7	5	5	5	7	5	5	5	7	5	6	6	8	6	6	6	8	6
	P-hook	8	7	7	7	8	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
	Design Pressure	+141.8	+141.8	+141.8	+141.8	+133.6	+133.6	+133.6	+133.6	+113.8	+113.8	+113.8	+113.8	+99.1	+99.1	+99.1	+99.1	+87.8	+87.8	+87.8	+87.8
		-141.8	-141.8	-141.8	-141.8	-133.6	-133.6	-133.6	-133.6	-113.8	-113.8	-113.8	-113.8	-107.4	-107.4	-107.4	-107.4	-95.1	-95.1	-95.1	-95.1
36	Head & Sill	C5+2	C5+1	C5+2	C3+1	C5+2	C5+1	C5+2	C3+1	C5+2	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1
	Jamb	5	5	7	5	5	5	7	5	5	5	7	5	6	6	8	6	6	6	8	6
	P-hook	8	7	7	7	8	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
	Design Pressure	+123.9	+123.9	+123.9	+123.9	+116.4	+116.4	+116.4	+116.4	+98.5	+98.5	+98.5	+98.5	+85.3	+85.3	+85.3	+85.3	+75.3	+75.3	+75.3	+75.3
		-123.9	-123.9	-123.9	-123.9	-116.4	-116.4	-116.4	-116.4	-98.5	-98.5	-98.5	-98.5	-92.4	-92.4	-92.4	-92.4	-81.6	-81.6	-81.6	-81.6
42	Head & Sill	C5+2	C3+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1	C5+2	C5+1	C5+2	C3+1	C5+2	C5+1	C5+2	C3+1	C5+1	C5+1	C5+1	C3+1
	Jamb	5	5	7	5	5	5	7	5	5	5	7	5	6	6	8	6	6	6	8	6
	P-hook	8	7	7	7	8	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
	Design Pressure	+104.5	+104.5	+104.5	+104.5	+104.5	+104.5	+104.5	+104.5	+87.8	+87.8	+87.8	+87.8	+75.7	+75.7	+75.7	+75.7	+66.5	+66.5	+66.5	+66.5
		-104.5	-104.5	-104.5	-104.5	-104.5	-104.5	-104.5	-104.5	-87.8	-87.8	-87.8	-87.8	-82.0	-82.0	-82.0	-82.0	-72.0	-72.0	-72.0	-72.0
48	Head & Sill	C5+2	C3+2	C5+2	C3+1	C5+2	C3+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1	C5+2	C3+1	C5+2	C3+1	C5+2	C5+1	C5+2	C3+1
	Jamb	5	5	6	5	5	5	6	5	5	5	7	5	6	6	7	6	6	6	8	6
	P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
	Design 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	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
		-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	C3+2	C3+2	C3+1	C5+2	C3+2	C5+2	C3+1	C5+2	C3+2	C5+2	C3+1								
	Jamb	5	5	6	5	5	5	6	5	5	5	6	5								
	P-hook	7	7	7	7	7	7	7	7	8	8	8	8								
	Design Pressure	+74.1	+74.1	+74.1	+74.1	+74.1	+74.1	+74.1	+74.1	+63.8	+63.8	+63.8	+63.8								
		-74.1	-74.1	-74.1	-74.1	-74.1	-74.1	-74.1	-74.1	-63.8	-63.8	-63.8	-63.8								
60	Head & Sill	C3+2	C3+2	C3+2	C3+1	C5+2	C3+2	C3+2	C3+1	C5+2	C3+2	C5+2	C3+1								
	Jamb	5	5	5	5	5	5	5	5	5	5	6	5								
	P-hook	7	7	7	7	7	7	7	7	8	8	8	8								
	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)					
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"

TABLE A:

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

TABLE NOTES:

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.

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 QUANTIES 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

NOM. PANEL WIDTH = FRAME WIDTH / # 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.

OH LENGTH

OH HEIGHT

DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) RATIO IS EQUAL TO OR MORE THAN 1 IS EXEMPTED FROM WATER INFILTRATION. 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 TABLE 2 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.

ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
10/15
A. LYNN MILLER, P.E.
P.E.# 58705

Drawn By: J ROSOWSKI	Date: 11/18/10	Rev: A	Drawing No. MD-SGD470-01
Revision: REVISED TABLE NOTES	Revision:	Scale: NTS	Sheet: 8 OF 13
Revised By: JR	Date: 03/17/15	Revised By:	Date:

Description: DESIGN PRESSURE TABLE 2

Title: VINYL SGD INSTALLATION GUIDELINES

Series/Model: 5470

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 15-0409.04
Expiration Date 4/21/16
By
Miami Dade Product Control

TABLE 3:

Anchor and Substrate Type. See Table 1, Sheet 6		Anchor Quantities and Design Pressures using Standard or Composite Reinforcement											
		FRAME HEIGHT (IN)											
		8-PANEL MAXIMUM CONFIGURATION											
		80				84				96			
NOM. PANEL WIDTH (IN)	FRAME SIDE	A	B	C	D	A	B	C	D	A	B	C	D
24	Head & Sill	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1
	Jamb	5	5	6	5	5	5	6	5	5	5	6	5
	P-hook	7	7	7	7	7	7	7	7	8	8	8	8
	Design Pressure	+127.1	+127.1	+127.1	+127.1	+120.0	+120.0	+120.0	+120.0	+102.9	+102.9	+102.9	+102.9
		-127.1	-127.1	-127.1	-127.1	-120.0	-120.0	-120.0	-120.0	-102.9	-102.9	-102.9	-102.9
30	Head & Sill	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1
	Jamb	5	5	6	5	5	5	6	5	5	5	6	5
	P-hook	7	7	7	7	7	7	7	7	8	8	8	8
	Design Pressure	+106.3	+106.3	+106.3	+106.3	+100.2	+100.2	+100.2	+100.2	+85.3	+85.3	+85.3	+85.3
		-106.3	-106.3	-106.3	-106.3	-100.2	-100.2	-100.2	-100.2	-85.3	-85.3	-85.3	-85.3
36	Head & Sill	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1
	Jamb	5	5	6	5	5	5	6	5	5	5	6	5
	P-hook	7	7	7	7	7	7	7	7	8	8	8	8
	Design Pressure	+92.9	+92.9	+92.9	+92.9	+87.3	+87.3	+87.3	+87.3	+73.8	+73.8	+73.8	+73.8
		-92.9	-92.9	-92.9	-92.9	-87.3	-87.3	-87.3	-87.3	-73.8	-73.8	-73.8	-73.8
42	Head & Sill	C5+2	C3+1	C3+1	C3+1	C5+2	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	6	5	5	5	6	5
	P-hook	7	7	7	7	7	7	7	7	8	8	8	8
	Design Pressure	+78.4	+78.4	+78.4	+78.4	+78.4	+78.4	+78.4	+78.4	+65.8	+65.8	+65.8	+65.8
		-78.4	-78.4	-78.4	-78.4	-78.4	-78.4	-78.4	-78.4	-65.8	-65.8	-65.8	-65.8
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	7	7	7	7	7	7	7	7	8	8	8	8
	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)				
	Interlock	Lock/Fixed Stile	Astragal	Astragal Addon	Top/Bottom Rail
Standard	Part# 28	Part# 26	Part# 26	Part# 30	Part# 26
Thermal-Option	Part# 28	Part# 27	Part# 27	Part# 30	Part# 27

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 QUANTIES 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

NOM. PANEL WIDTH = FRAME WIDTH / # 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.

OH LENGTH

OH HEIGHT

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

OH RATIO = OH LENGTH/OH HEIGHT

TABLE A:

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Nominal Sill Height	Actual Sill Height	Max. (+) DP Allowed
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3-1/2"	3.464"	+60.0 psf
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4-5/8"	4.614"	+100.0 psf

TABLE NOTES:

1) THE LESSER VALUE OF TABLE A AND TABLE 3 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 3 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 3 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.

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
6/10/15
A. LYNN MILLER, P.E.
P.E.# 58705

Drawn By: J ROSOWSKI
Date: 11/18/10
Rev: A
Revision: REVISED TABLE NOTES
Revised By: JR
Date: 03/17/15
Revision:
Revised By:
Description: DESIGN PRESSURE TABLES 3 & 4
Title: VINYL SGD INSTALLATION GUIDELINES
Drawing No. MD-SGD470-01
Scale: NTS
Sheet: 9 OF 13
Series/Model: 5470

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

PRODUCT REVISED
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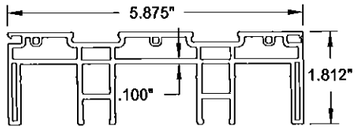
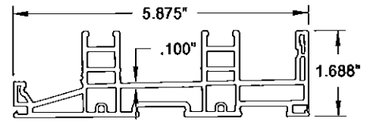
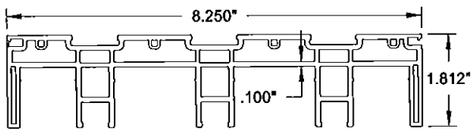
Building Code
Acceptance No 15-0409.04
Expiration Date 4/21/16
By Ishay Williams
Miami Dade Product Control



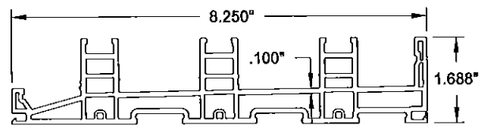
1 2 TRACK HEAD/JAMB RIGID PVC



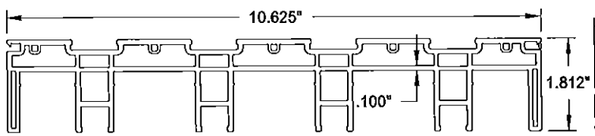
2 2 TRACK SILL RIGID PVC



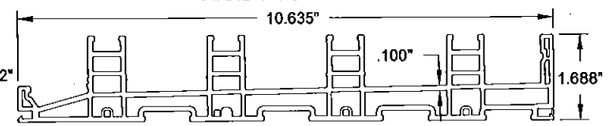
3 3 TRACK HEAD/JAMB RIGID PVC



4 3 TRACK SILL RIGID PVC



5 4 TRACK HEAD/JAMB RIGID PVC



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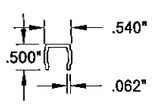
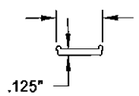
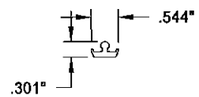


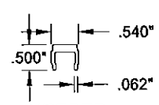
7 FRAME SCREW COVER RIGID PVC



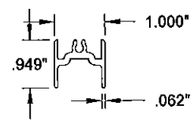
8 ANCHOR PLATE 6063-T6 ALUM.



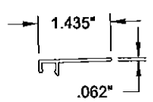
9 TRACK INSERT 6063-T6 ALUM.



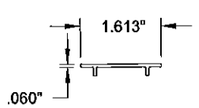
10 KEEPER 6063-T6 ALUM.



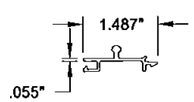
11 BOTTOM RAIL SUPPORT 6063-T6 ALUM.



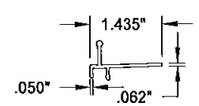
12 OUTER SILL COVER RIGID PVC



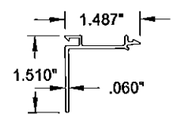
13 SILL TRACK COVER RIGID PVC



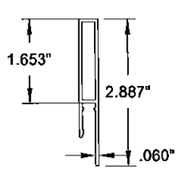
14 BOX SCREEN SILL ADD-ON 6063-T6 ALUM.



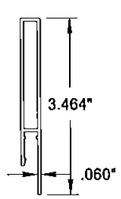
15 OUTER SCREEN TRACK 6063-T6 ALUM.



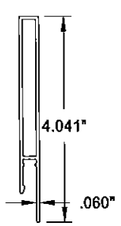
16 BOX SCREEN HEAD AND JAMB ADD-ON RIGID PVC



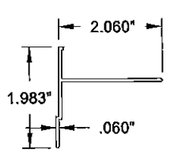
17 SILL RISER 6063-T6 ALUM.



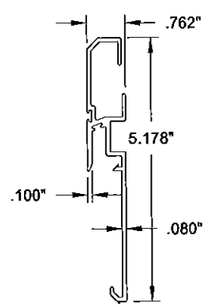
18 SILL RISER 6063-T6 ALUM.



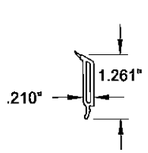
19 SILL RISER 6063-T6 ALUM.



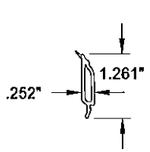
20 P-HOOK ADAPTOR 6063-T6 ALUM.



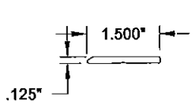
21 P-HOOK 6063-T6 ALUM.



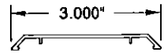
78 1-1/16" BEVELED BEAD RIGID PVC



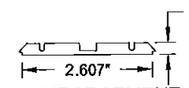
79 1-1/16" OGEE BEAD RIGID PVC



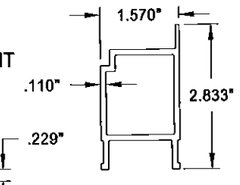
45 P-HOOK REINFORCEMENT PLATE 6063-T6 ALUM.



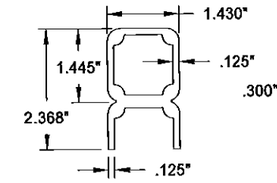
24 REINFORCEMENT COVER RIGID PVC



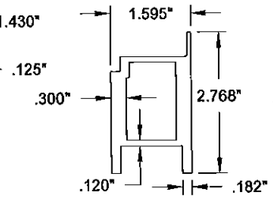
25 REINFORCEMENT PLATE 6005-T5 ALUM.



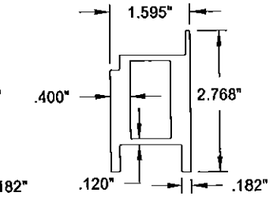
26 TOP, BOTTOM AND STILE REINFORCEMENT 6005-T5 ALUM.



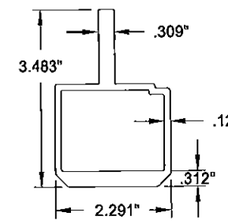
27 TOP, BOTTOM AND STILE REINFORCEMENT COMPOSITE



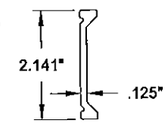
28 INTERLOCK .300 REINFORCEMENT 6005-T5 ALUM.



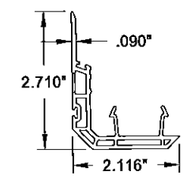
29 INTERLOCK .400 REINFORCEMENT 6005-T5 ALUM.



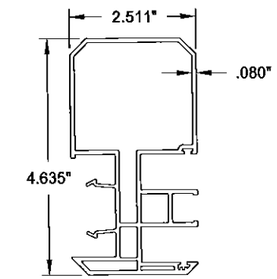
30 ASTRAGAL ADD-ON REINFORCEMENT 6005-T5 ALUM.



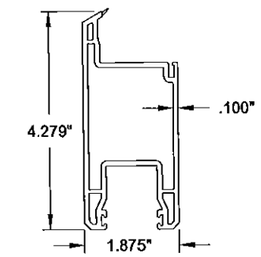
31 REINFORCEMENT PLATE 6063-T6 ALUM.



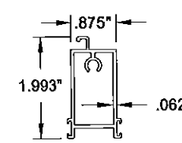
35 INTERLOCK ADAPTER RIGID PVC



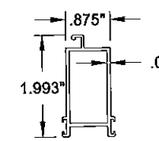
36 ASTRAGAL ADD-ON RIGID PVC



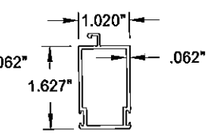
37 PANEL STILE, TOP AND BOTTOM RAIL RIGID PVC



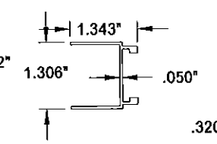
90 BOX SCREEN TOP RAIL 6063-T6 ALUM.



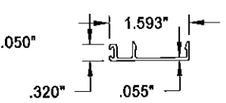
91 BOX SCREEN BOTTOM RAIL 6063-T6 ALUM.



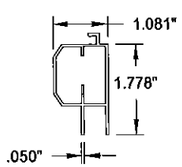
92 BOX SCREEN SIDE RAIL 6063-T6 ALUM.



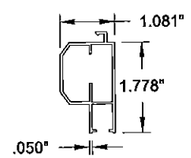
93 BOX SCREEN ASTRAGAL ADAPTER 6063-T6 ALUM.



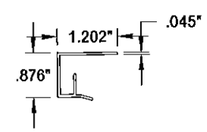
94 BOX SCREEN OXO ADAPTER 6063-T6 ALUM.



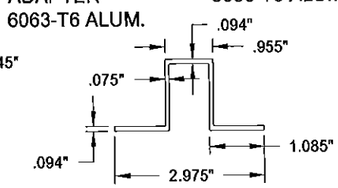
110 STD. SCREEN TOP/BOT. RAIL 6063-T6 ALUM.



111 STD. SCREEN SIDE RAIL 6063-T6 ALUM.



113 STD. SCREEN ASTRAGAL ADAPTER 6063-T6 ALUM.



80 FIXED PANEL CLIP 6063-T6 ALUM.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0405.04
Expiration Date 4/21/16
By Ishea Thomas
[redacted]

ANTHONY LYNN MILLER
LICENSE
No. 58705
6/10/15
STATE OF FLORIDA
PROFESSIONAL ENGINEER
ANTHONY 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:
JR	03/17/15	NO CHANGES THIS SHEET
Revised By:	Date:	Revision:

Description:	Drawn By:
PART DETAILS	J ROSOWSKI

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

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
5470	NTS	10 OF 13	MD-SGD470-01	A

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"
75		Cardinal XL Edge Spacer
76		Silicone-Foam Super Spacer - 11/16"
77		Hot-melt Butyl
78	619010	1-1/16" Beveled Bead
79	619015	1-1/16" 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

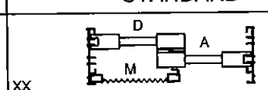
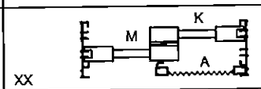
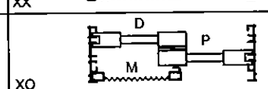
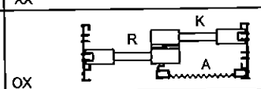
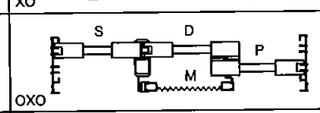
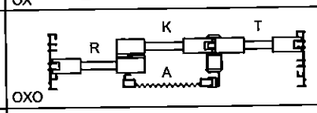
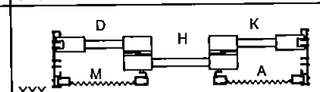
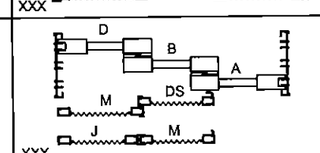
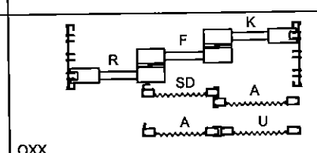
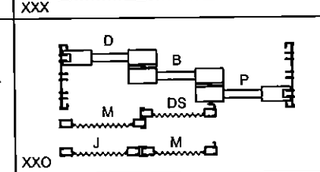
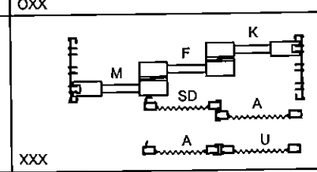
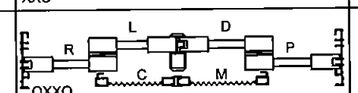
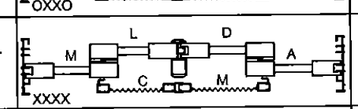
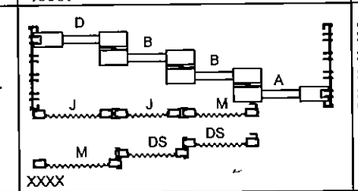
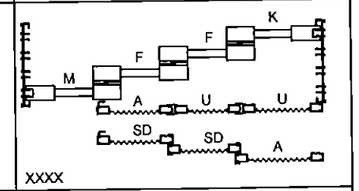
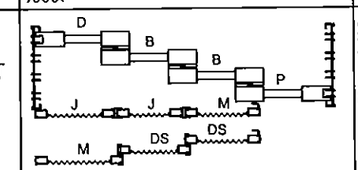
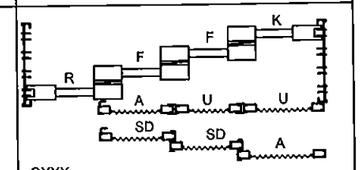
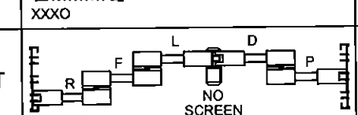
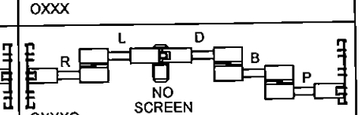
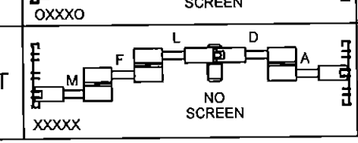
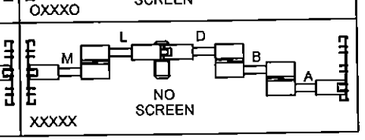
NOTES
1) SEE SHEET 10 FOR MATERIAL TYPE AND DETAILS.

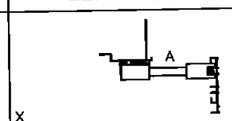
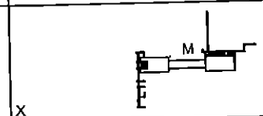
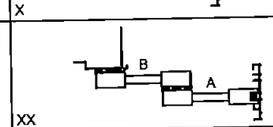
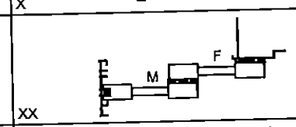
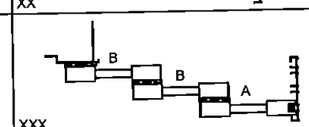
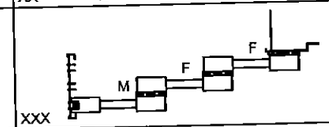
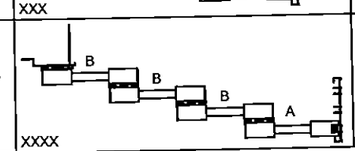
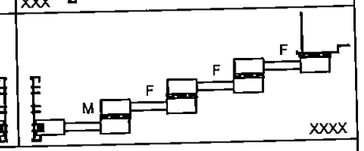
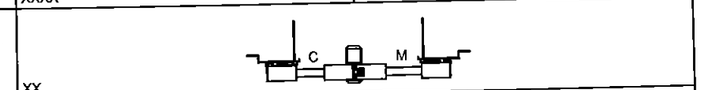
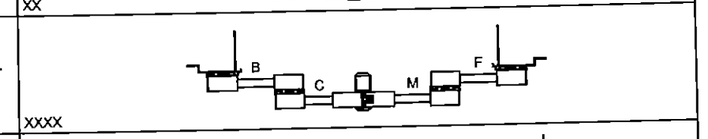
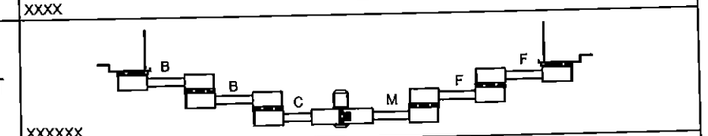
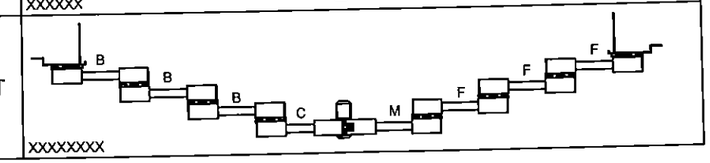
ANTHONY LYNN MILLER
LICENSE
No. 58705
6/10/15
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

Drawn By: J ROSOWSKI
Date: 11/18/10
Rev: A
Revision: ADDED #75
Revised By: JR
Date: 03/17/15
Revision:
Revised By:
Description: BILL OF MATERIALS
Title: VINYL SGD INSTALLATION GUIDELINES
Drawing No. MD-SGD470-01
Sheet: 11 OF 13
Scale: NTS
Series/Model: 5470

PGT®
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. 15-0409.04
Expiration Date 4/21/16
By Sheryl L. Chenik
Miami Dade Product Control

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		

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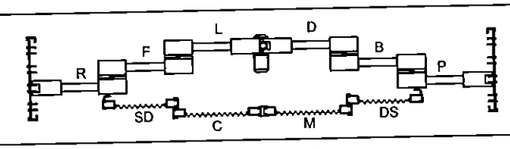
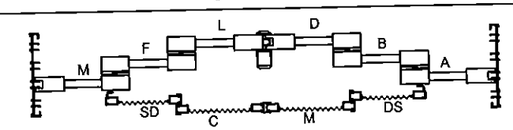
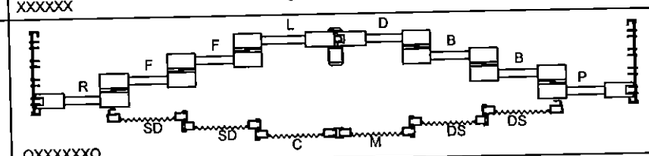
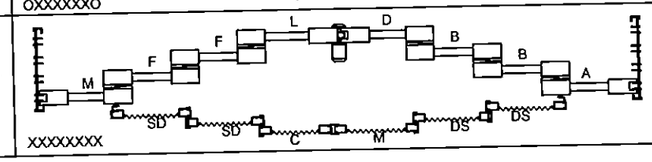
6P3T	
6P3T	
8P4T	
8P4T	

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 ALLOWABLE FRAME SQUARE FOOTAGE = 292.625 FT² FOR DOORS WITH A MAXIMUM FRAME HEIGHT OF 96" (REFER TO TABLES 2 AND 3 FOR MAXIMUM PANEL WIDTHS).

INTERIOR

EXTERIOR

ANTHONY LYNN MILLER
LICENSE
No. 58705
6/10/15
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:
JR	03/17/15	NO CHANGES THIS SHEET
Revised By:	Date:	Revision:

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0405.02
Expiration Date 4/21/16
By [illegible]
Miami Dade Product Control

Description: SAMPLE CONFIGS AND PANEL NAMES

Drawn By: J ROSOWSKI

Title: VINYL SGD INSTALLATION GUIDELINES

Date: 11/18/10

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
5470	NTS	12 OF 13	MD-SGD470-01	A

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 & 3 FOR REINFORCEMENT REQUIREMENTS.
4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.

INTERIOR

EXTERIOR

ANTHONY LYNN MILLER
LICENSE
No. 58705
6/10/15
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 15-0409.04
Expiration Date APR 21, 2016
By
Miami Dade Product Control

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

Revised By:	Date:	Revision:
JR	03/17/15	NO CHANGES THIS SHEET
Revised By:	Date:	Revision:

Description: PANEL TYPES

Drawn By: J ROSOWSKI

Title: VINYL SGD INSTALLATION GUIDELINES

Date: 11/18/10

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
5470	NTS	13 OF 13	MD-SGD470-01	A