GENERAL NOTES: SERIES 570, 2770 & 2870 LARGE MISSILE, IMPACT-RESISTANT, VINYL, REINFORCED SLIDING GLASS DOOR

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

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

2) GLAZING TYPE OPTIONS: (FROM EXTERIOR TO INTERIOR); T=TEMPERED, HS=HEAT STRENGTHED, AN=ANNEALED, SG=.090 DUPONT SENTRYGLAS (FORMERLY KNOWN AS SENTRYGLAS® PLUS), PVB=.090" DUPONT BUTACITE PVB:
GLASS TYPE A: 3/16" HS GLASS + .090" SG INTERLAYER + 3/16" HS GLASS + 7/16" AIR SPACE + 3/16" T CAP
GLASS TYPE B: 3/16" HS GLASS + .090" PVB INTERLAYER + 3/16" AN GLASS + 7/16" AIR SPACE + 3/16" T CAP
GLASS TYPE C: 3/16" HS GLASS + .090" PVB INTERLAYER + 3/16" AN GLASS + 9/16" AIR SPACE WITH HEAT-MIRROR FILM + 3/16" T CAP
APPROVED BACKBEDDINGS ARE GE 7700 AND DOW-CORNING 995.

3) 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.

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

5) 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.

6) DESIGN PRESSURES:
A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E1300-04.
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E1300-04.

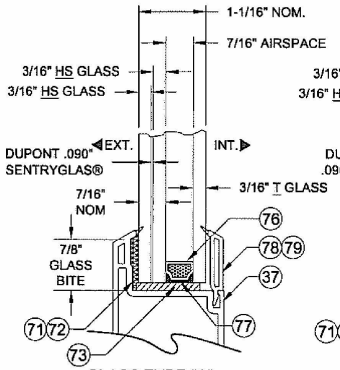
7) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT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

8) SHUTTERS ARE NOT REQUIRED.

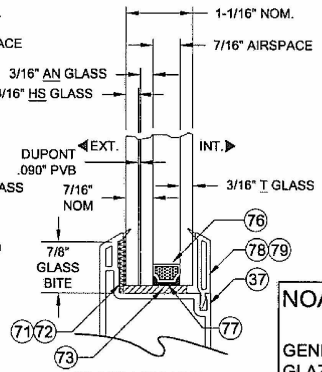
9) ALL DOOR CONFIGURATIONS, UP TO 8 PANELS AND/OR 4 TRACKS, ARE QUALIFIED, SEE SAMPLE CONFIGURATIONS ON SHEET 12. DOOR SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER THE FLORIDA BUILDING CODE.

10) REFERENCES: TEST REPORTS FTL-6337 & 6338; EXOVA-10-002-792(A) & 10-006-10231; CAMBRIDGE 535753-09; ELCO ULTRACON NOA #07-0425.01; ELCO CRETEFLEX NOA #03-0225.05; VISION EXTRUSIONS, LTD. WHITE PVC NOA #10-0420.06, TAN PVC NOA #11-0902.10; ANSI/AF&PA NDS-2005 FOR WOOD CONSTRUCTION AND ADM-2005 ALUMINUM DESIGN MANUAL

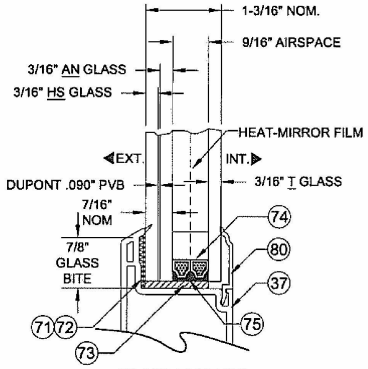
Door Size		Configuration	Design		Certification Numbers
Width	Height		(+) psf	(-) psf	
241"	96"	XXXX	60	60	190-265, 771
203"	120"	XXXX w/astragal	60	65	190-267, 774
203"	96"	XXXX w/astragal	60	60	190-263, 770
241"	96"	XXXX	80	80	190-787
203"	96"	XXXO w/astragal	80	80	190-264, 772
203"	96"	XXXX w/astragal	90	90	190-266, 773



GLASS TYPE "A"
SG LAMINATE, INSULATED GLASS



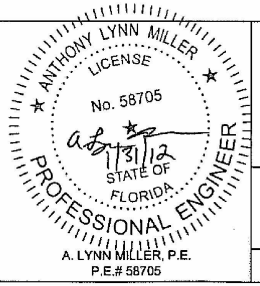
GLASS TYPE "B"
PVB LAMINATE, INSULATED GLASS



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

NOA DRAWING MAP

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



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CERT. OF AUTH. #29296

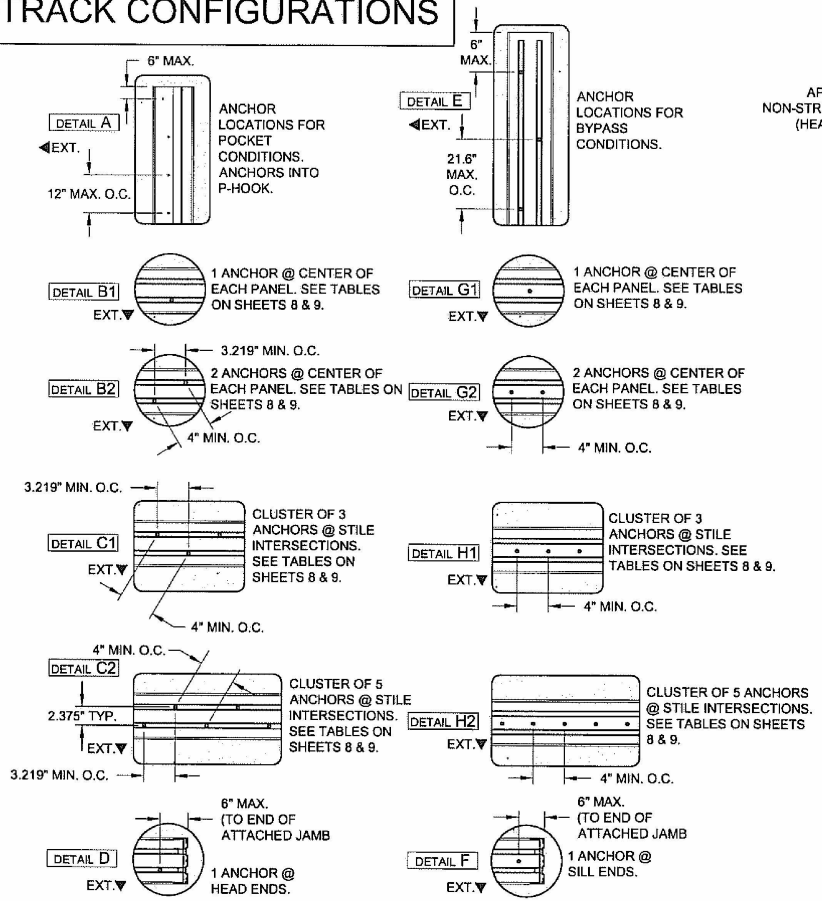
Revised By:	Date:	Revision:
Revised By:	Date:	Revision:

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

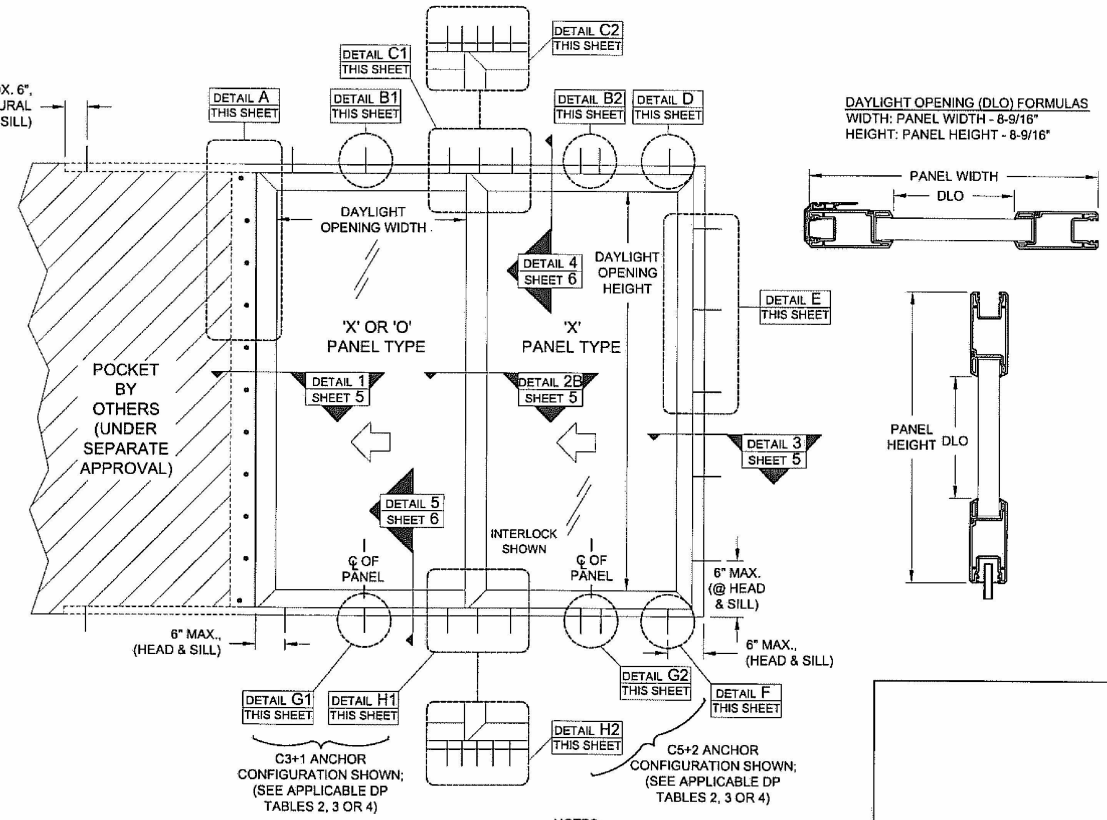
Title:	Date:
VINYL SGD INSTALLATION GUIDELINES	11/18/10

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
570/2770/2870	NTS	1 OF 13	FLA-SGD570-01	

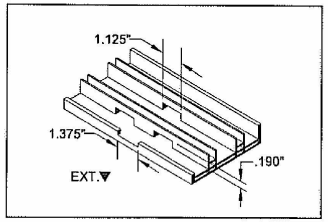
2-TRACK CONFIGURATIONS



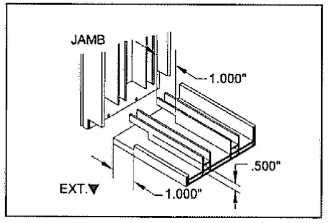
NOTE: SEE TABLE 1, SHEET 6 FOR ANCHOR EDGE DISTANCE AND EMBEDMENT.



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"



WEEPHOLE PATTERN @ 24" O.C.



WEEPHOLE PATTERN @ SILL ENDS

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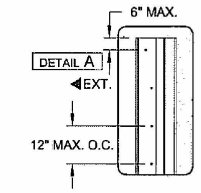
Revised By:	Date:	Revision:
Revised By:	Date:	Revision:

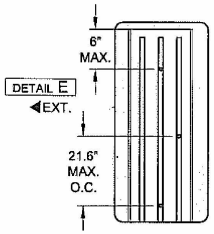
Description:	Drawn By:
ANCHOR LOCATIONS (2 TRACKS)	J ROSOWSKI
Title: VINYL SGD INSTALLATION GUIDELINES	Date: 11/18/10

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
570/2770/2870	NTS	2 OF 13	FLA-SGD570-01	

3-TRACK CONFIGURATIONS

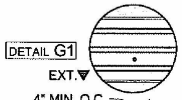


ANCHOR LOCATIONS FOR POCKET CONDITIONS. ANCHORS INTO P-HOOK.

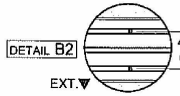


ANCHOR LOCATIONS FOR BYPASS CONDITIONS.

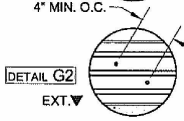
1 ANCHOR @ CENTER OF EACH PANEL. SEE TABLES ON SHEETS 8 & 9.



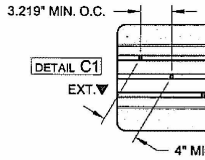
1 ANCHOR @ CENTER OF EACH PANEL. SEE TABLES ON SHEETS 8 & 9.



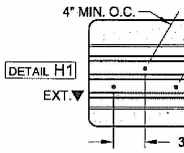
2 ANCHORS @ CENTER OF EACH PANEL. SEE TABLES ON SHEETS 8 & 9.



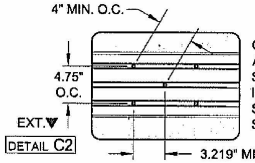
2 ANCHORS @ CENTER OF EACH PANEL. SEE TABLES ON SHEETS 8 & 9.



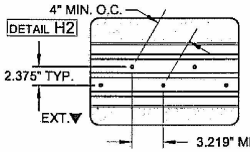
CLUSTER OF 3 ANCHORS @ STILE INTERSECTIONS. SEE TABLES ON SHEETS 8 & 9.



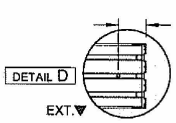
CLUSTER OF 3 ANCHORS @ STILE INTERSECTIONS. SEE TABLES ON SHEETS 8 & 9.



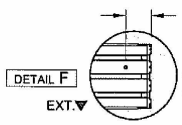
CLUSTER OF 5 ANCHORS @ STILE INTERSECTIONS. SEE TABLES ON SHEETS 8 & 9.



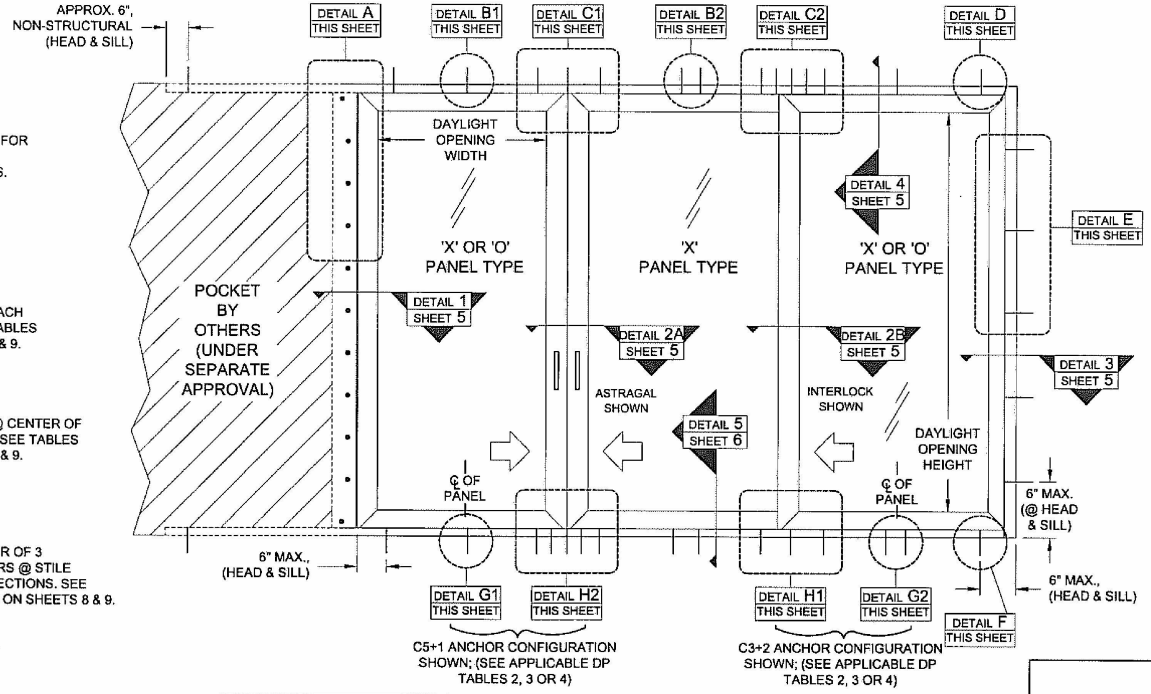
CLUSTER OF 5 ANCHORS @ STILE INTERSECTIONS. SEE TABLES ON SHEETS 8 & 9.

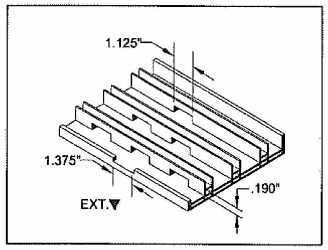


1 ANCHOR @ HEAD ENDS.

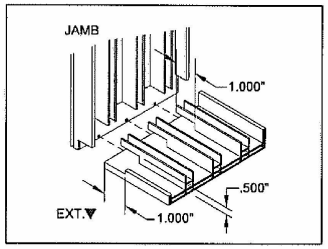


1 ANCHOR @ SILL ENDS.





WEEPHOLE PATTERN @ 24" O.C.



WEEPHOLE PATTERN @ SILL ENDS

NOTES:
1) FOR CONFIGURATIONS, SEE SHEET 12.
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3) DAYLIGHT OPENING (DLO) FORMULAS:
WIDTH: PANEL WIDTH - 8-9/16"
HEIGHT: PANEL HEIGHT - 8-9/16"

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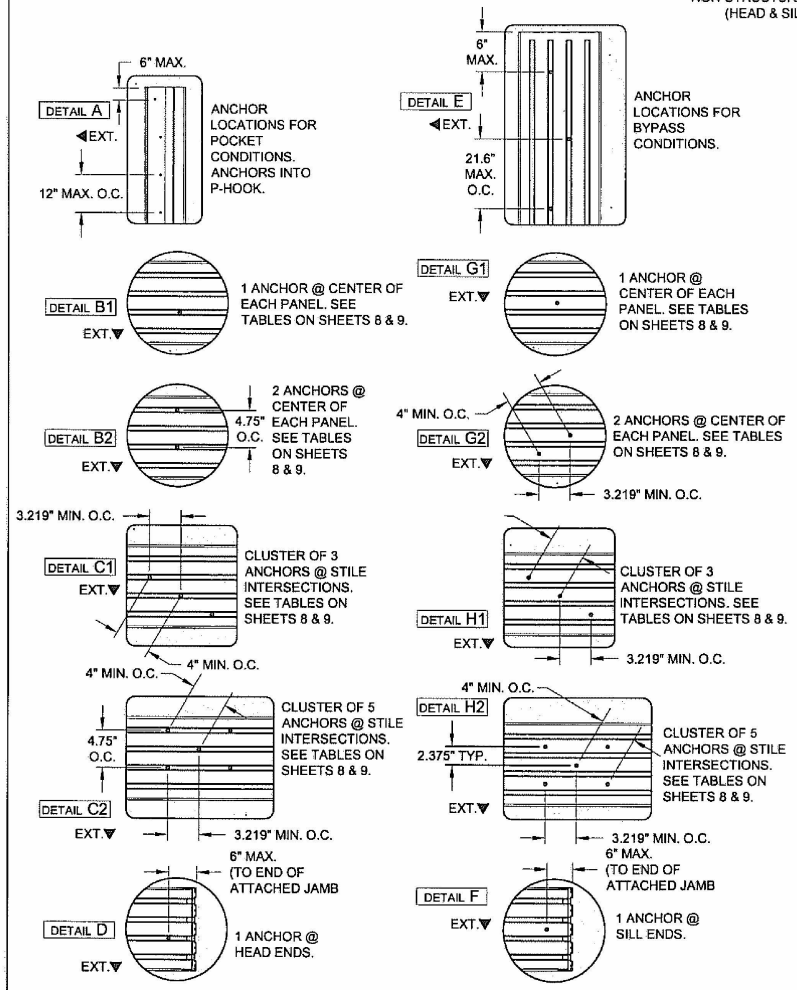
CERT. OF AUTH. #29296

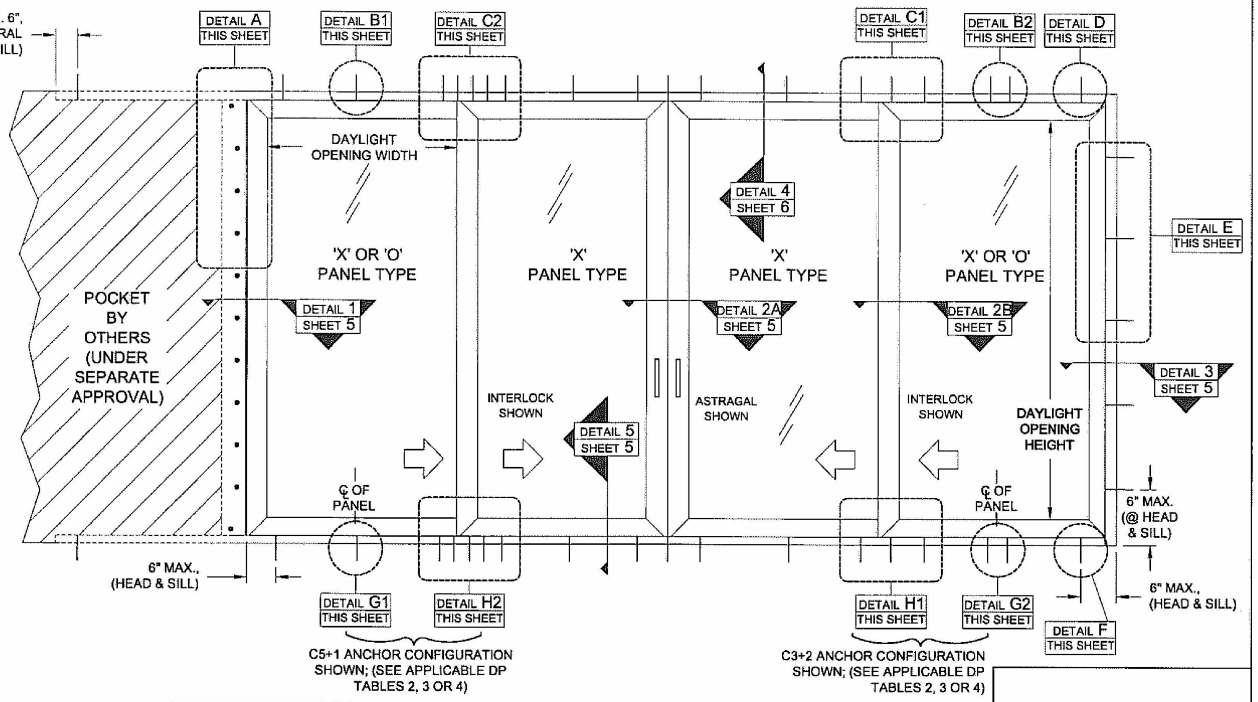
Revised By:	Date:	Revision:
Revised By:	Date:	Revision:

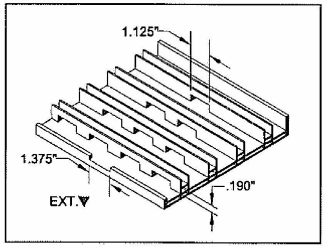
Description: ANCHOR LOCATIONS (3 TRACKS)	Drawn By: J ROSOWSKI
Title: VINYL SGD INSTALLATION GUIDELINES	Date: 11/18/10

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
570/2770/2870	NTS	3 OF 13	FLA-SGD570-01	

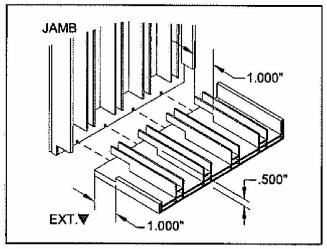
4-TRACK CONFIGURATIONS







WEEPHOLE PATTERN @ 24" O.C.



WEEPHOLE PATTERN @ SILL ENDS

NOTES:
1) FOR CONFIGURATIONS, SEE SHEET 12.
2) FOR ANCHOR EDGE DISTANCE AND EMBEDMENT, SEE TABLE 1 SHEET 6.
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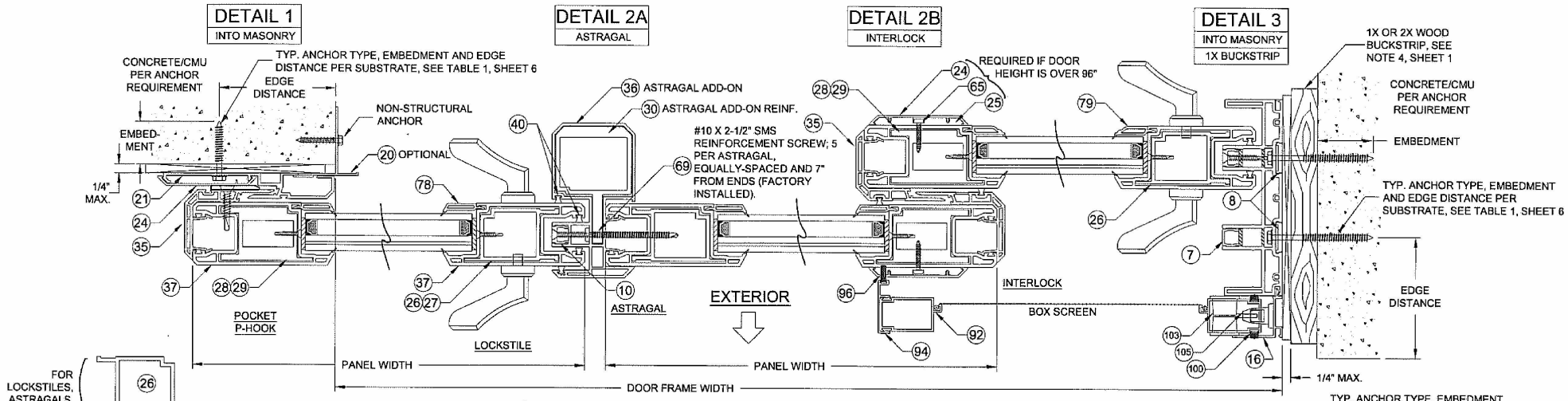
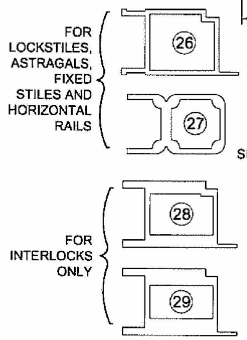
Revised By:	Date:	Revision:
Revised By:	Date:	Revision:

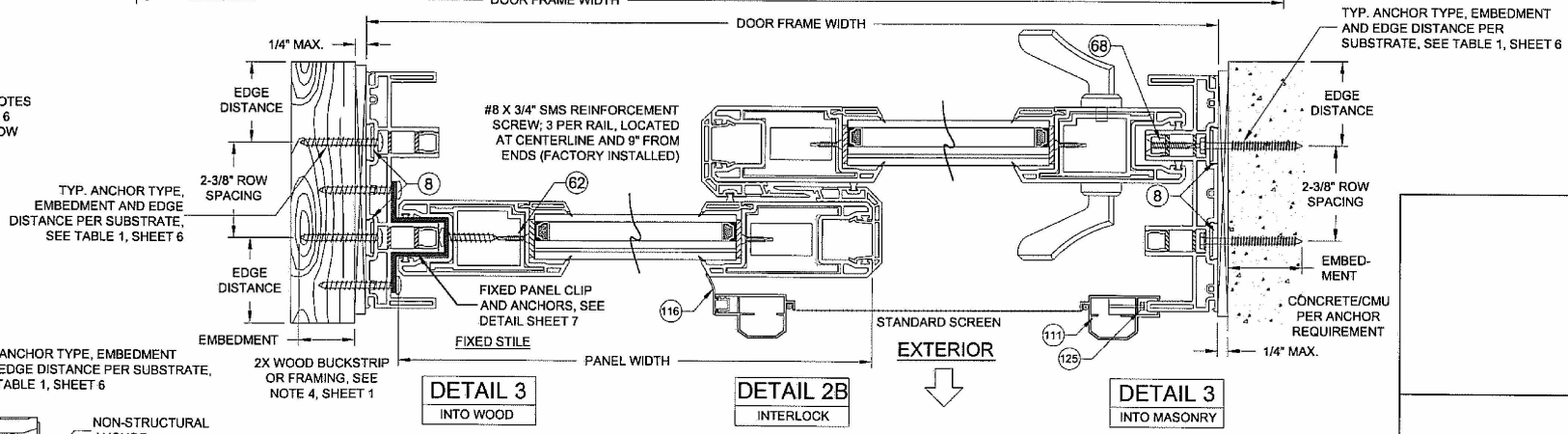
Description:	Drawn By:
ANCHOR LOCATIONS (4 TRACKS)	J ROSOWSKI

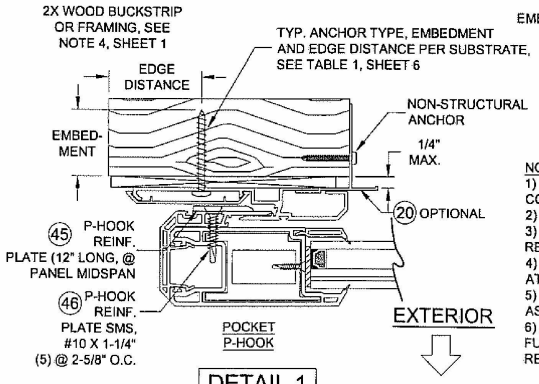
Title:	Date:
VINYL SGD INSTALLATION GUIDELINES	11/18/10

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
570/2770/2870	NTS	4 OF 13	FLA-SGD570-01	









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

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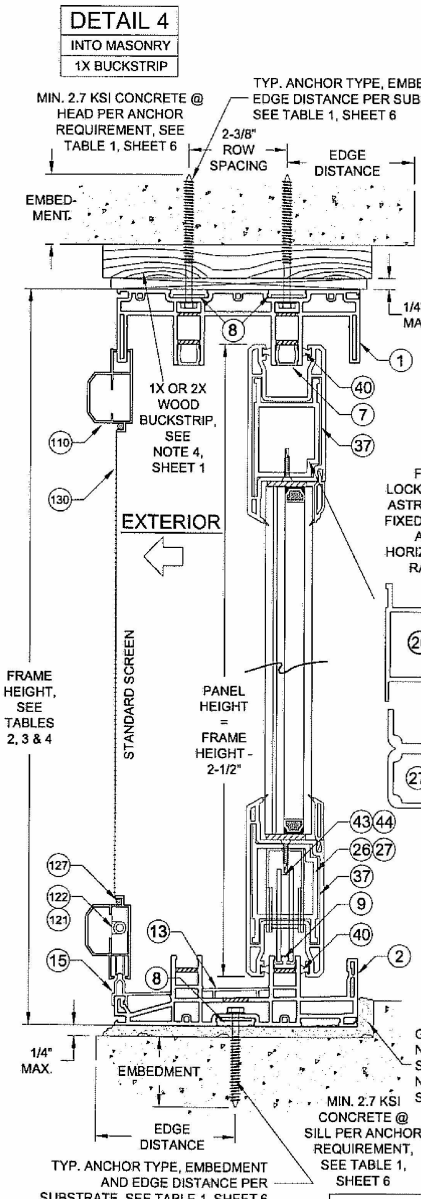
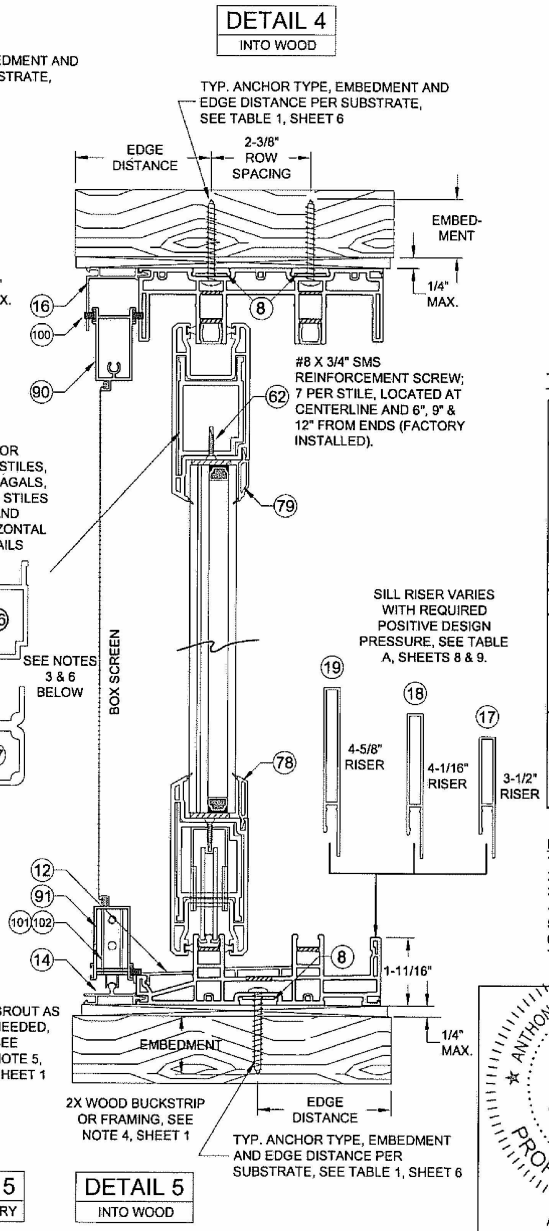
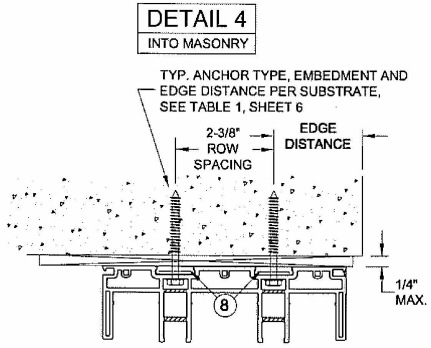
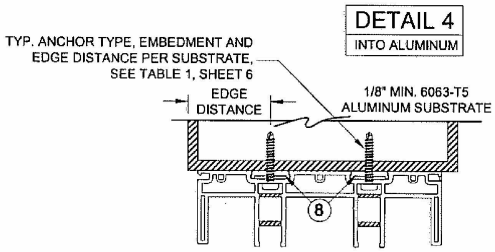
Revised By:	Date:	Revision:
Revised By:	Date:	Revision:

Description: HORIZONTAL INSTALLATION DETAILS				Drawn By: J ROSOWSKI
Title: VINYL SGD INSTALLATION GUIDELINES				Date: 11/18/10
Series/Model: 570/2770/2870	Scale: NTS	Sheet: 5 OF 13	Drawing No. FLA-SGD570-01	Rev:

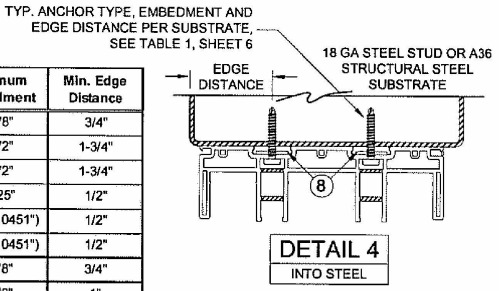








METAL SUBSTRATES TO BE PROPERLY DESIGNED TO TRANSFER LOAD IMPOSED ON THEM



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

TABLE 1, ANCHOR TYPES:

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

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

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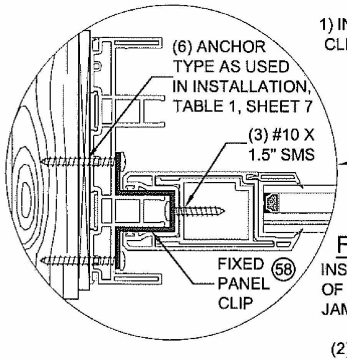
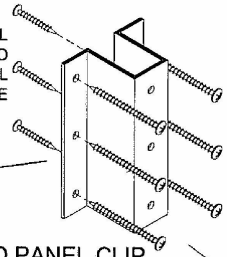
CERT. OF AUTH. #29296

Revised By:	Date:	Revision:
Revised By:	Date:	Revision:

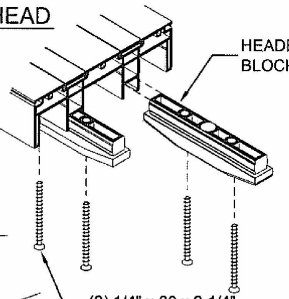
Description: VERTICAL INSTALLATION DETAILS
Drawn By: J ROSOWSKI
Title: VINYL SGD INSTALLATION GUIDELINES
Date: 11/18/10
Series/Model: 570/2770/2870
Scale: NTS
Sheet: 6 OF 13
Drawing No. FLA-SGD570-01
Rev:





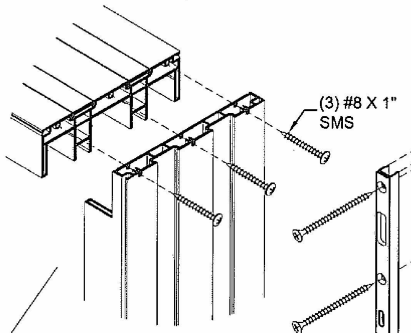
FIXED PANEL CLIP

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

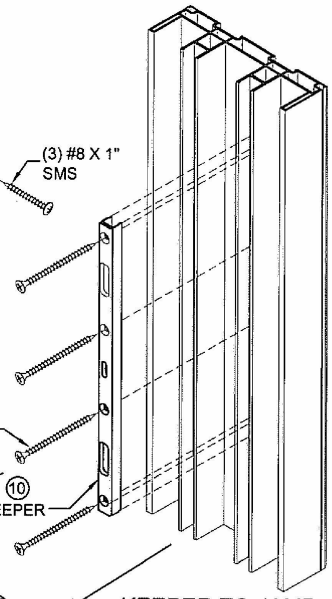


HEADER BLOCK TO HEAD ATTACHMENT

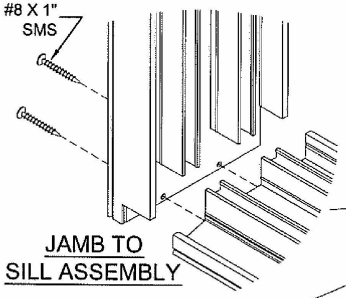
INSTALL ONE BLOCK AT EACH INTERLOCK. AT ASTRAGAL, INSTALL ONE BLOCK THAT SPANS BOTH PANELS.



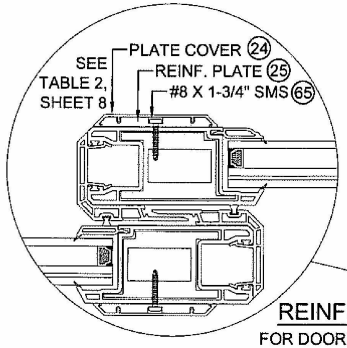
JAMB TO HEAD ASSEMBLY



KEEPER TO JAMB ATTACHMENT

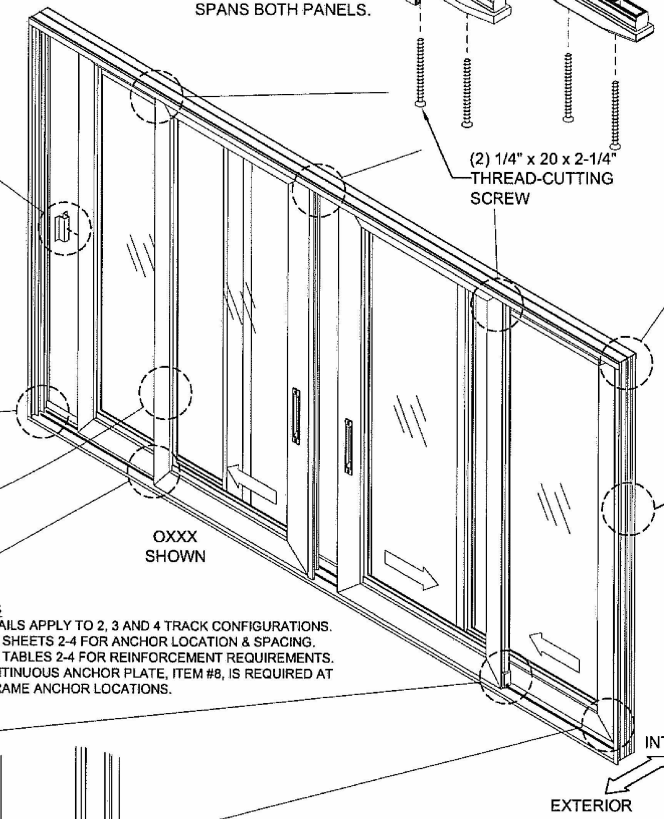


JAMB TO SILL ASSEMBLY

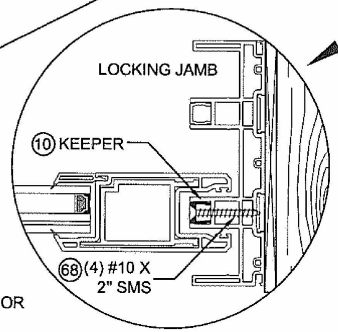


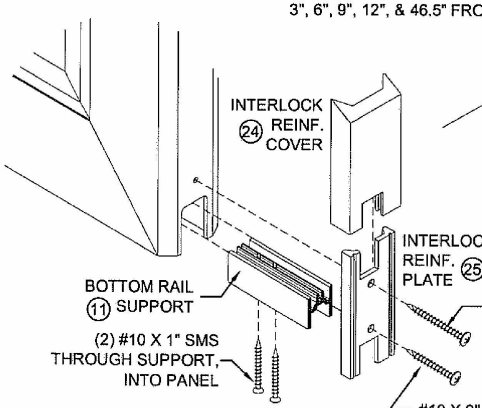
REINFORCEMENT PLATE

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



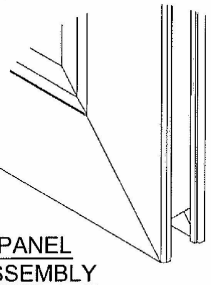
NOTES
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) SEE SHEETS 2-4 FOR ANCHOR LOCATION & SPACING.
3) SEE TABLES 2-4 FOR REINFORCEMENT REQUIREMENTS.
4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.





INTERLOCK SILL RETAINER CLIP ATTACHMENT

INSTALL ONE ASSEMBLY AT EACH INTERLOCK



PANEL ASSEMBLY

ALL PANEL CORNERS WELDED, NO ASSEMBLY FASTENERS

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CERT. OF AUTH. #29296

Revised By:	Date:	Revision:
Revised By:	Date:	Revision:

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

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
570/2770/2870	NTS	7 OF 13	FLA-SGD570-01	

TABLE 2:

Series 570 & 2870 Anchor Quantities and Design Pressures

Anchor and Substrate Type. See Table 1, Sheet 6		FRAME HEIGHT (IN)																			
		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	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11
	Design 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
30	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11
	Design 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
36	Head & Sill	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C5+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C5+1	C5+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	6	5	6	6	6	6	6	6	6	6
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11
	Design 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
42	Head & Sill	C5+2	C3+2	C3+1	C3+1	C5+2	C5+2	C3+1	C3+1	C5+2	C5+2	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1
	Jamb	5	5	6	5	5	5	6	5	6	5	7	5	6	6	6	6	6	6	7	6
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11
	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
48	Head & Sill	C5+2	C5+2	C3+2	C3+1	C5+2	C5+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1	C5+2	C5+2	C5+1	C3+1	C5+2	C5+2	C5+1	C3+1
	Jamb	6	5	7	5	6	5	7	5	7	6	8	5	6	6	7	6	7	6	8	6
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11
	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	C5+2	C3+2	C3+2	C5+2	C5+2	C5+2	C3+2	C5+2	C5+2	C5+2	C3+2								
	Jamb	6	5	7	5	6	6	8	5	7	6	9	5								
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9								
	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								
		-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0								
60	Head & Sill	C5+2	C5+2	C5+2	C3+2	C5+2	C5+2	C5+2	C3+2	C5+2	C5+2	C5+2	C3+2								
	Jamb	6	6	8	5	6	6	8	5	7	7	10	5								
	P-hook	8	8	8	8	8	8	8	8	9	9	10	9								
	Design Pressure	+67.0	+80.0	+80.0	+80.0	+67.0	+80.0	+80.0	+80.0	+67.0	+80.0	+80.0	+80.0								
		-67.0	-80.0	-80.0	-80.0	-67.0	-80.0	-80.0	-80.0	-67.0	-80.0	-80.0	-80.0								

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

TABLE A:

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

THE LESSER VALUE OF TABLE A AND TABLE 2 DETERMINES THE WATER LIMITED (+) DP.

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

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

ANCHORAGE TYPE PER SUBSTRATE REQUIRED TO ACHIEVE THE DESIGN PRESSURE, USING THE ANCHOR 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

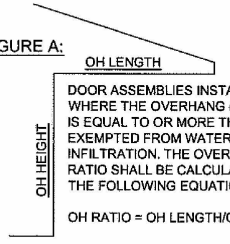
THE MAXIMUM NEGATIVE DESIGN PRESSURE AT THESE ANCHOR QUANTITIES.

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.

FIGURE A:



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

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1/31/12

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P.E.# 58705

Drawn By: J ROSOWSKI
Date: 11/18/10
Rev:
Revision:
Revision:
Date:
Date:
Revised By:
Revised By:
Description: DESIGN PRESSURE TABLE 2
Title: VINYL SGD INSTALLATION GUIDELINES
Series/Model: 570/2770/2870
Scale: NTS
Sheet: 8 OF 13
Drawing No. FLA-SGD570-01

1070 TECHNOLOGY DRIVE
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TABLE 3:

Anchor and Substrate Type. See Table 1, Sheet 6		Series 2870 Anchor Quantities and Design Pressures											
		FRAME HEIGHT (IN)											
		80				84				96			
NOM. PANEL WIDTH (IN)	FRAME SIDE	A	B	C	D	A	B	C	D	A	B	C	D
24	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0
		-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0
30	Head & Sill	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C5+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	6	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0
		-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0
36	Head & Sill	C5+1	C3+1	C3+1	C3+1	C5+1	C5+1	C3+1	C3+1	C5+1	C5+1	C5+1	C3+1
	Jamb	5	5	6	5	5	5	6	5	6	5	7	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0
		-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0
42	Head & Sill	C5+2	C5+2	C3+2	C3+1	C5+2	C5+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1
	Jamb	5	5	6	5	6	5	7	5	6	6	8	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0
		-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0
48	Head & Sill	C5+2	C5+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1
	Jamb	6	5	7	5	6	6	8	5	7	6	9	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+87.0	+90.0	+90.0	+90.0
		-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-90.0	-87.0	-90.0	-90.0	-90.0

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

TABLE 4:

Anchor and Substrate Type. See Table 1, Sheet 6		Series 570 & 2770 Anchor Quantities and Design Pressures											
		FRAME HEIGHT (IN)											
		80				84				96			
NOM. PANEL WIDTH (IN)	FRAME SIDE	A	B	C	D	A	B	C	D	A	B	C	D
24	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
		-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0
30	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
		-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0
36	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
		-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0
42	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
		-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0
48	Head & Sill	C3+2	C3+1	C3+1	C3+1	C3+2	C3+1	C3+1	C3+1	C5+2	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	6	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
		-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0

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

TABLE KEY:

NOM. PANEL WIDTH (IN)	FRAME SIDE	A
24	Head & Sill	C3+1
	Jamb	5
	P-hook	8
	Design Pressure	+90.0
		-90.0

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.

TOTAL # OF ANCHORS CLUSTERED THROUGH THE HEAD & SILL AT EACH PANEL MEETING POINT.

TOTAL # OF ANCHORS AT THE PANEL CENTER THROUGH THE HEAD & SILL.

TOTAL # OF ANCHORS THROUGH THE JAMB.

TOTAL # OF ANCHORS THROUGH THE P-HOOK.

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.

THE MAXIMUM NEGATIVE DESIGN PRESSURE AT THESE ANCHOR QUANTITIES.

NOM. PANEL WIDTH = FRAME WIDTH / # OF PANELS

TABLE A:

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

THE LESSER VALUE OF TABLE A AND TABLE 2 OR 3 DETERMINES THE WATER LIMITED (+) DP.

FIGURE A:

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

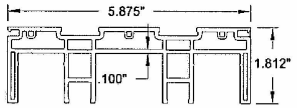
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) SEE SHEETS 2-4 FOR ANCHOR LOCATION & SPACING.
3) SEE TABLES 2-4 FOR REINFORCEMENT REQUIREMENTS.
4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR ASTRAGAL ADD-ON.
6) SEE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

ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER

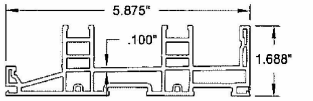
A. LYNN MILLER, P.E.
P.E.# 58705

Drawn By: J ROSOWSKI
Date: 11/18/10
Rev:
Revision:
Revision:
Date:
Date:
Revised By:
Revised By:
Description: DESIGN PRESSURE TABLES 3 & 4
Title: VINYL SGD INSTALLATION GUIDELINES
Drawing No. FLA-SGD570-01
Sheet: 9 OF 13
Scale: NTS
Series/Model: 570/2770/2870

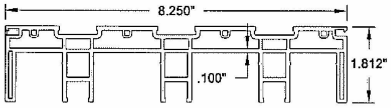
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274
CERT. OF AUTH. #29296



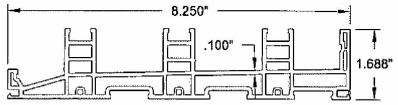
1 2 TRACK HEAD/JAMB RIGID PVC



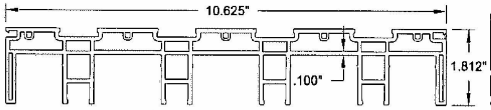
2 2 TRACK SILL RIGID PVC



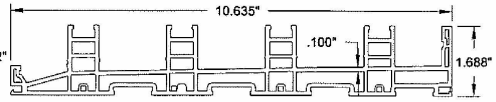
3 3 TRACK HEAD/JAMB RIGID PVC



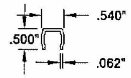
4 3 TRACK SILL RIGID PVC



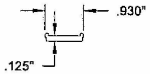
5 4 TRACK HEAD/JAMB RIGID PVC



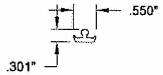
6 4 TRACK SILL RIGID PVC



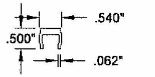
7 FRAME SCREW COVER RIGID PVC



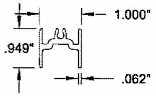
8 ANCHOR PLATE 6063-T6 ALUM.



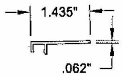
9 TRACK INSERT 6063-T6 ALUM.



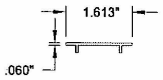
10 KEEPER 6063-T6 ALUM.



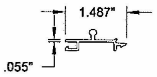
11 BOTTOM RAIL SUPPORT 6063-T6 ALUM.



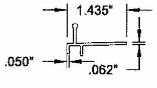
12 OUTER SILL COVER RIGID PVC



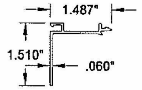
13 SILL TRACK COVER RIGID PVC



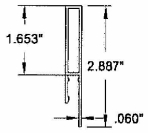
14 BOX SCREEN SILL ADD-ON 6063-T6 ALUM.



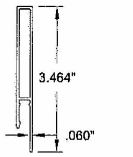
15 OUTER SCREEN TRACK 6063-T6 ALUM.



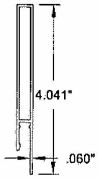
16 BOX SCREEN HEAD AND JAMB ADD-ON RIGID PVC



17 SILL RISER 6063-T6 ALUM.



18 SILL RISER 6063-T6 ALUM.



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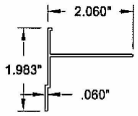
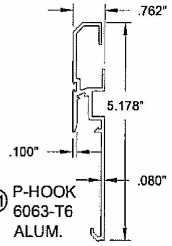
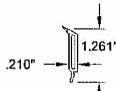


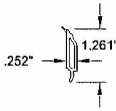
20 P-HOOK ADAPTOR 6063-T6 ALUM.



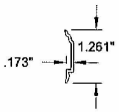
21 P-HOOK 6063-T6 ALUM.



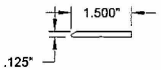
78 1-1/16" BEVELED BEAD RIGID PVC



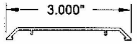
79 1-1/16" OGEE BEAD RIGID PVC



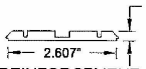
80 1-3/16" OGEE BEAD RIGID PVC



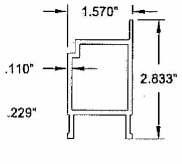
45 P-HOOK REINFORCEMENT PLATE 6063-T6 ALUM.



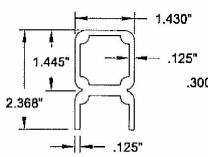
24 REINFORCEMENT COVER RIGID PVC



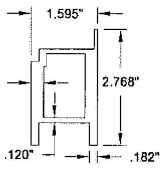
25 REINFORCEMENT PLATE 6005-T5 ALUM.



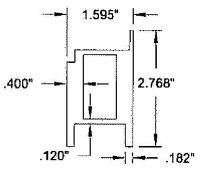
26 TOP, BOTTOM AND STILE REINFORCEMENT 6005-T5 ALUM.



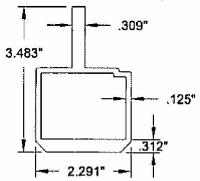
27 TOP, BOTTOM AND STILE REINFORCEMENT COMPOSITE



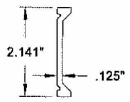
28 INTERLOCK .300 REINFORCEMENT 6005-T5 ALUM.



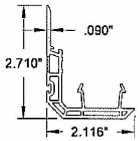
29 INTERLOCK .400 REINFORCEMENT 6005-T5 ALUM.



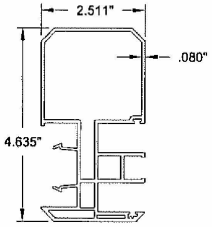
30 ASTRAGAL ADD-ON REINFORCEMENT 6005-T5 ALUM.



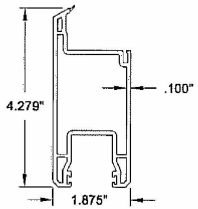
31 REINFORCEMENT PLATE 6063-T6 ALUM.



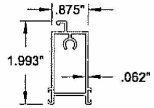
35 INTERLOCK ADAPTER RIGID PVC



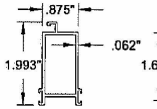
36 ASTRAGAL ADD-ON RIGID PVC



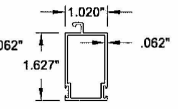
37 PANEL STILE, TOP AND BOTTOM RAIL RIGID PVC



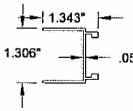
90 BOX SCREEN TOP RAIL 6063-T6 ALUM.



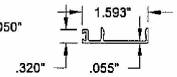
91 BOX SCREEN BOTTOM RAIL 6063-T6 ALUM.



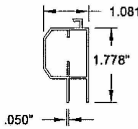
92 BOX SCREEN SIDE RAIL 6063-T6 ALUM.



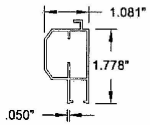
93 BOX SCREEN ASTRAGAL ADAPTER 6063-T6 ALUM.



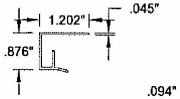
94 BOX SCREEN OXO ADAPTER 6063-T6 ALUM.



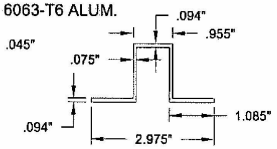
110 STD. SCREEN TOP/BOT. RAIL 6063-T6 ALUM.



111 STD. SCREEN SIDE RAIL 6063-T6 ALUM.



113 STD. SCREEN ASTRAGAL ADAPTER 6063-T6 ALUM.



80 FIXED PANEL CLIP 6063-T6 ALUM.

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
1/31/12
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:
Revised By:	Date:	Revision:

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

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
570/2770/2870	NTS	10 OF 13	FLA-SGD570-01	

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

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

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

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

ANTHONY LYNN MILLER
LICENSE
No. 58705
1/31/12
STATE OF FLORIDA
PROFESSIONAL ENGINEER

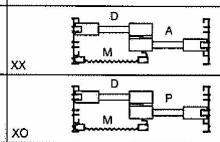
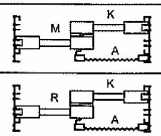
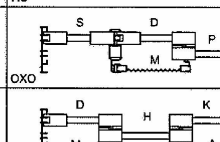
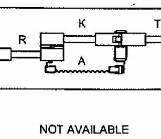
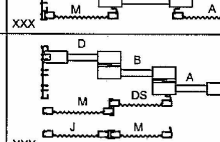
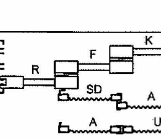
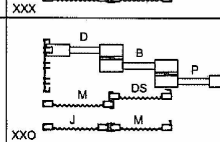
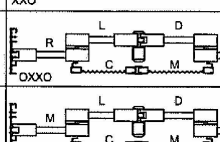
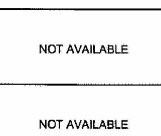
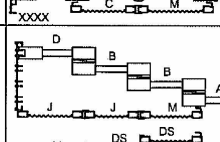
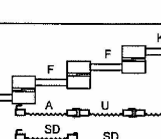
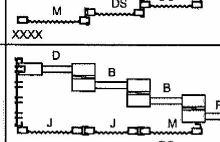
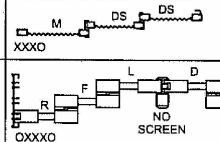
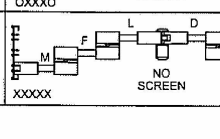
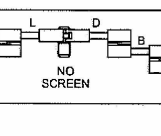
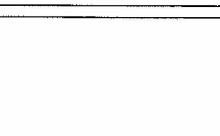
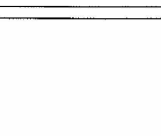
A. LYNN MILLER, P.E.
P.E.# 58705

Drawn By: J ROSOWSKI
Date: 11/18/10
Revision:
Rev:
Revised By:
Date:
Revision:
Revised By:
Date:
Description: BILL OF MATERIALS

Title: VINYL SGD INSTALLATION GUIDELINES
Series/Model: 570/2770/2870
Scale: NTS
Sheet: 11 OF 13
Drawing No. FLA-SGD570-01

PGT®

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274
CERT. OF AUTH. #29298

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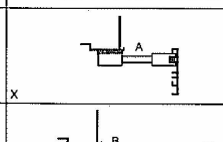
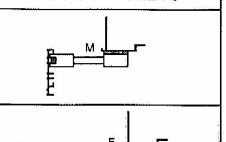
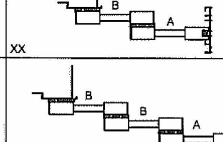
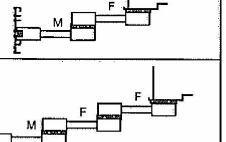
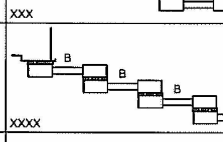
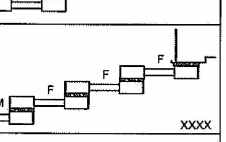
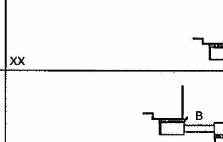
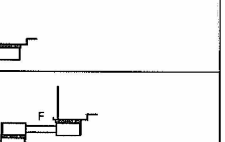
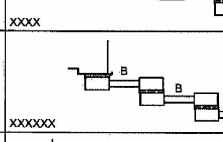
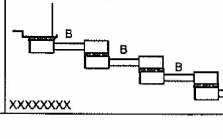
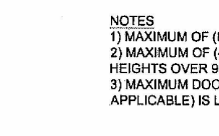
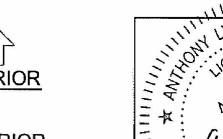
5P3T		

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

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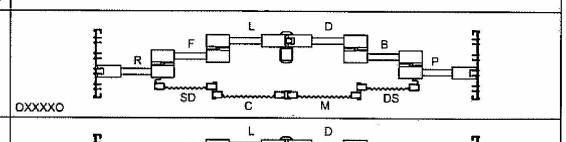
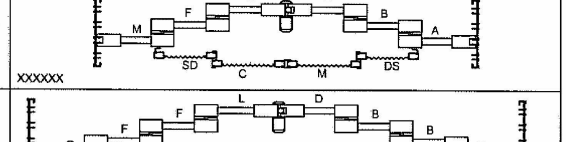
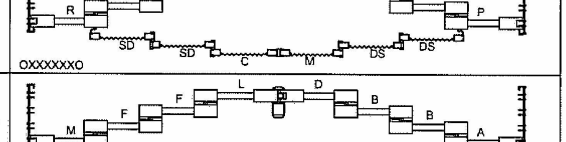
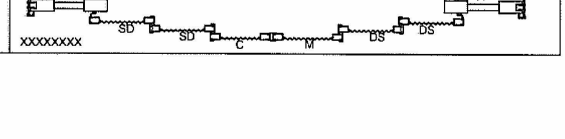
6P3T	
6P3T	
8P4T	
8P4T	

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 DOOR FRAME WIDTH (EXCLUDING POCKETS IF APPLICABLE) IS LIMITED TO 467-11/16".

INTERIOR

EXTERIOR

ANTHONY LYNN MILLER
LICENSE
No. 58705
1/31/12
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:
Revised By:	Date:	Revision:

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

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

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
570/2770/2870	NTS	12 OF 13	FLA-SGD570-01	

P	SINGLE INTERLOCK	FIXED LOCKSTILE
R	FIXED LOCKSTILE	SINGLE INTERLOCK
T (BOX OUT)	ASTRAGAL OUT	FIXED LOCKSTILE
T (BOX IN)	ASTRAGAL IN	FIXED LOCKSTILE
S (BOX OUT)	FIXED LOCKSTILE	ASTRAGAL OUT
S (BOX IN)	FIXED LOCKSTILE	ASTRAGAL IN
L (BOX OUT)	SINGLE INTERLOCK	ASTRAGAL OUT
LR (BOX OUT)	ASTRAGAL OUT	SINGLE INTERLOCK
N (BOX IN)	ASTRAGAL IN	SINGLE INTERLOCK
C (BOX IN)	SINGLE INTERLOCK	ASTRAGAL IN
B	SINGLE INTERLOCK	SINGLE INTERLOCK
M	LOCKSTILE	SINGLE INTERLOCK

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

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

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

INTERIOR

EXTERIOR

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Revised By:	Date:	Revision:
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:
570/2770/2870	NTS	13 OF 13	FLA-SGD570-01	