

**GENERAL NOTES: SERIES 5570 & 2770 LARGE MISSILE, IMPACT-RESISTANT, VINYL, REINFORCED SLIDING GLASS DOOR**

1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2006 INTERNATIONAL BUILDING CODE.

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.

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 SHALL BE COATED OR CORROSION RESISTANT AS SPECIFIED IN THE 2006 TEXAS REVISIONS TO THE 2006 INTERNATIONAL BUILDING CODE.

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 INTERNATIONAL BUILDING CODE.

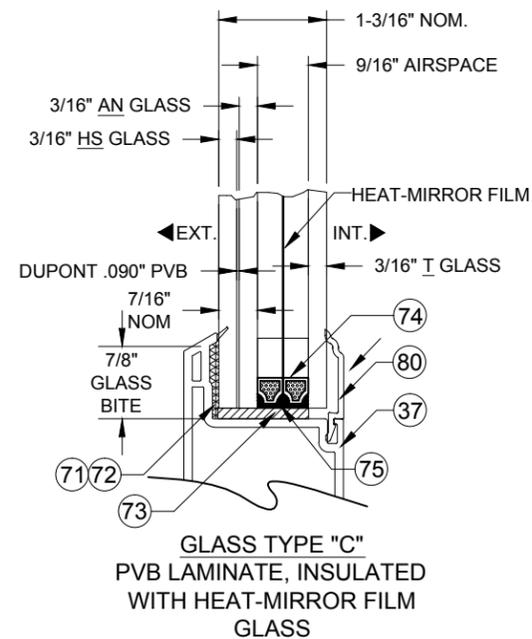
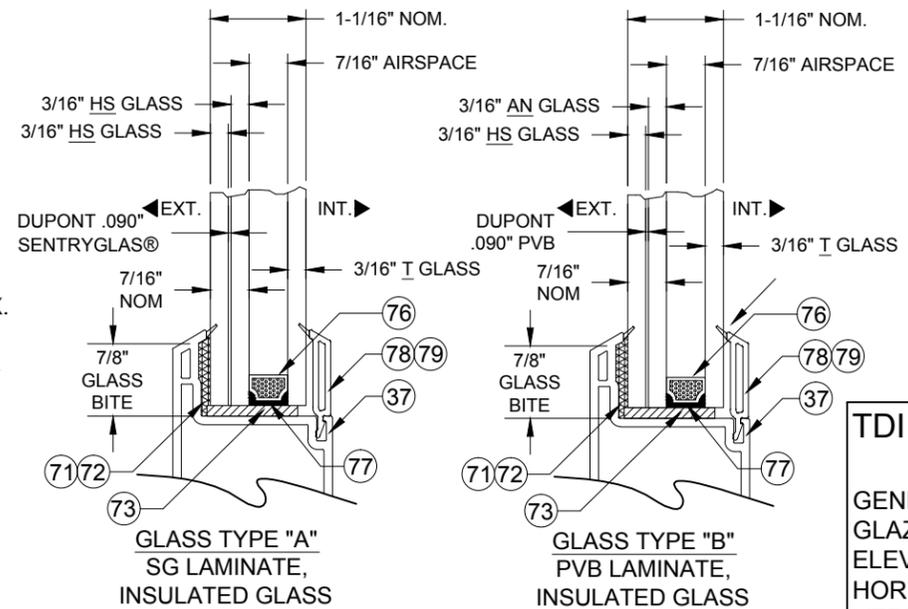
10) REFERENCES: TEST REPORTS FTL-6337 & 6338; EXOVA-10-002-792(A) & 10-006-10231; CAMBRIDGE 535753-09; ELCO ULTRACON PER CURRENT NOA; ELCO CRETEFLEX PER CURRENT NOA; VISION EXTRUSION, LTD: WHITE RIGID PVC PER CURRENT NOA, VE 1000 TAN 202 AND LIGHTER SHADES (NON-WHITE) RIGID PVC PER CURRENT NOA AND BROWN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

11) THE 2770 SERIES USES A EITHER A PVB OR SENTRYGLAS, (SG) INTERLAYER. UNITS GLAZED WITH GLASS CONTAINING SG INTERLAYER WERE PREVIOUSLY KNOWN AS THE 2870 SERIES. THE 5570 SERIES IS ALSO KNOWN AS THE 570 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 GLASS TYPES B OR C, USE TABLE 3, SHEET 9. FOR GLASS TYPE A, 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 2-3, SHEETS 8 & 9), VERIFY THAT THE REQUIRED DESIGN PRESSURE IS MET OR EXCEEDED. USE THE ANCHOR QUANTITIES SHOWN.
- 5) INSTALL AS PER THE INSTRUCTIONS AND DETAILS ON SHEETS 2-7.
- 6) ADDITIONAL INSTALLATION CLIPS MUST BE INSTALLED AS SHOWN ON SHEET 7.

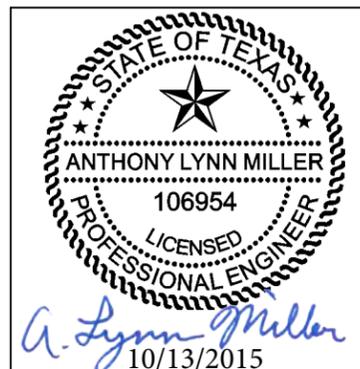
DESIGN PRESSURE RATING	IMPACT RATING
VARIABLES, SEE SHEETS 8 & 9	LARGE & SMALL MISSILE IMPACT



**TDI 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

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

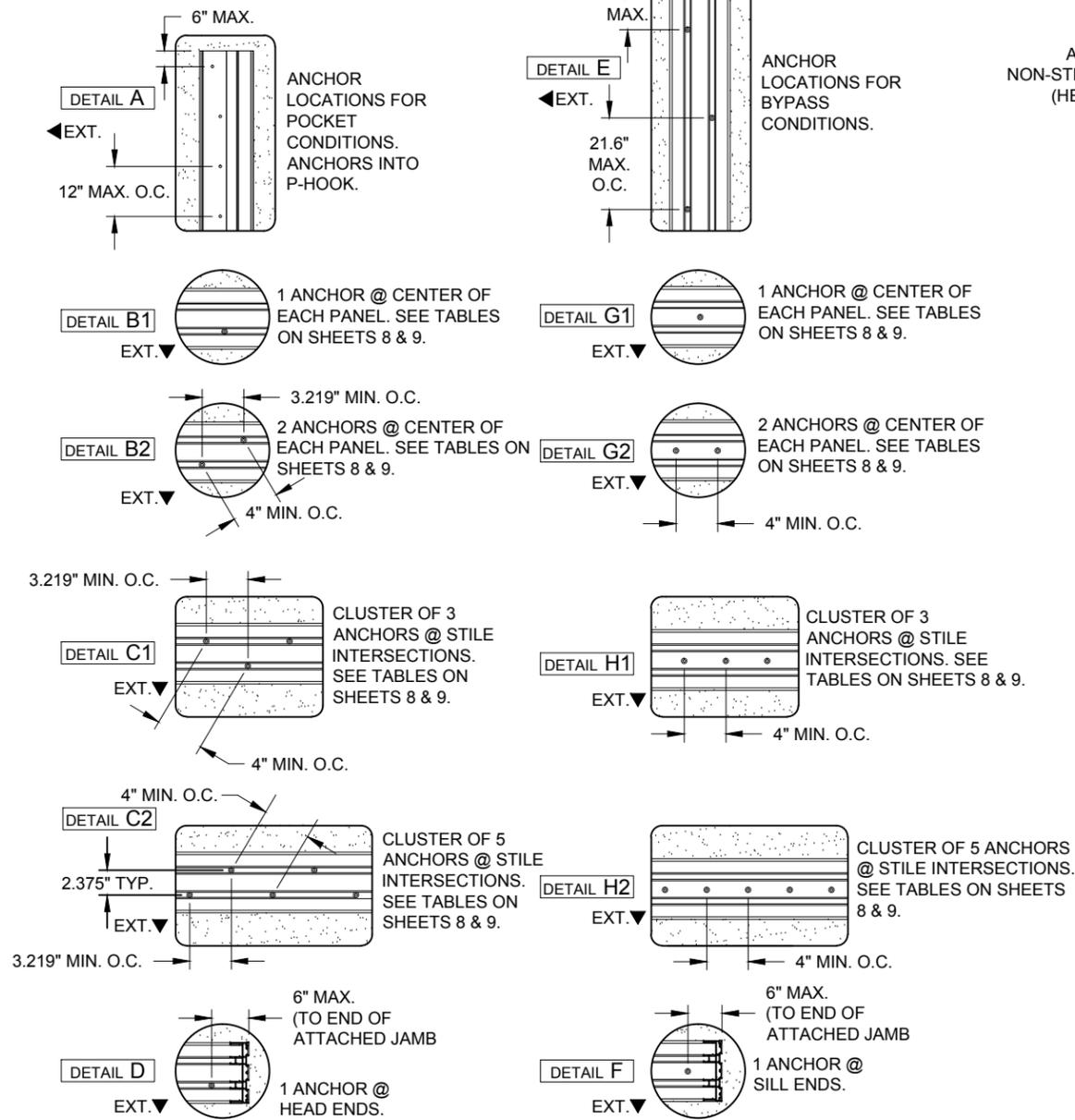


1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275

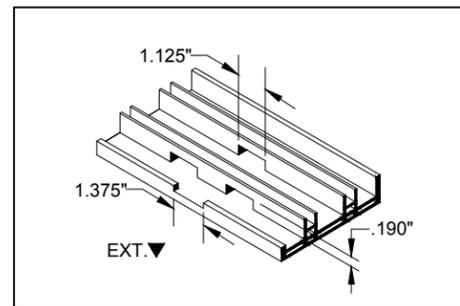
A. LYNN MILLER, P.E.  
P.E. #106954

Revised By:	Date:	Revision:
Revised By:	Date:	Revision:
Description: <b>GENERAL NOTES &amp; GLASS TYPES</b>		Drawn By: <b>J ROSOWSKI</b>
Title: <b>VINYL SGD INSTALLATION GUIDELINES</b>		Date: <b>10/12/15</b>
Series/Model: <b>5570/2770</b>	Scale: <b>NTS</b>	Sheet: <b>1 OF 13</b>
Drawing No. <b>TDI-SGD5570.1</b>		Rev:

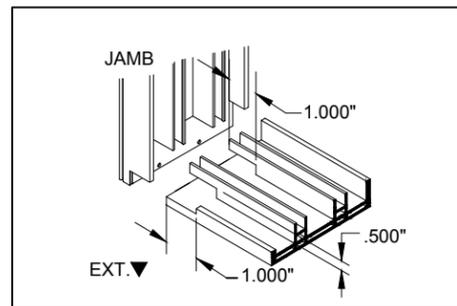
# 2-TRACK CONFIGURATIONS



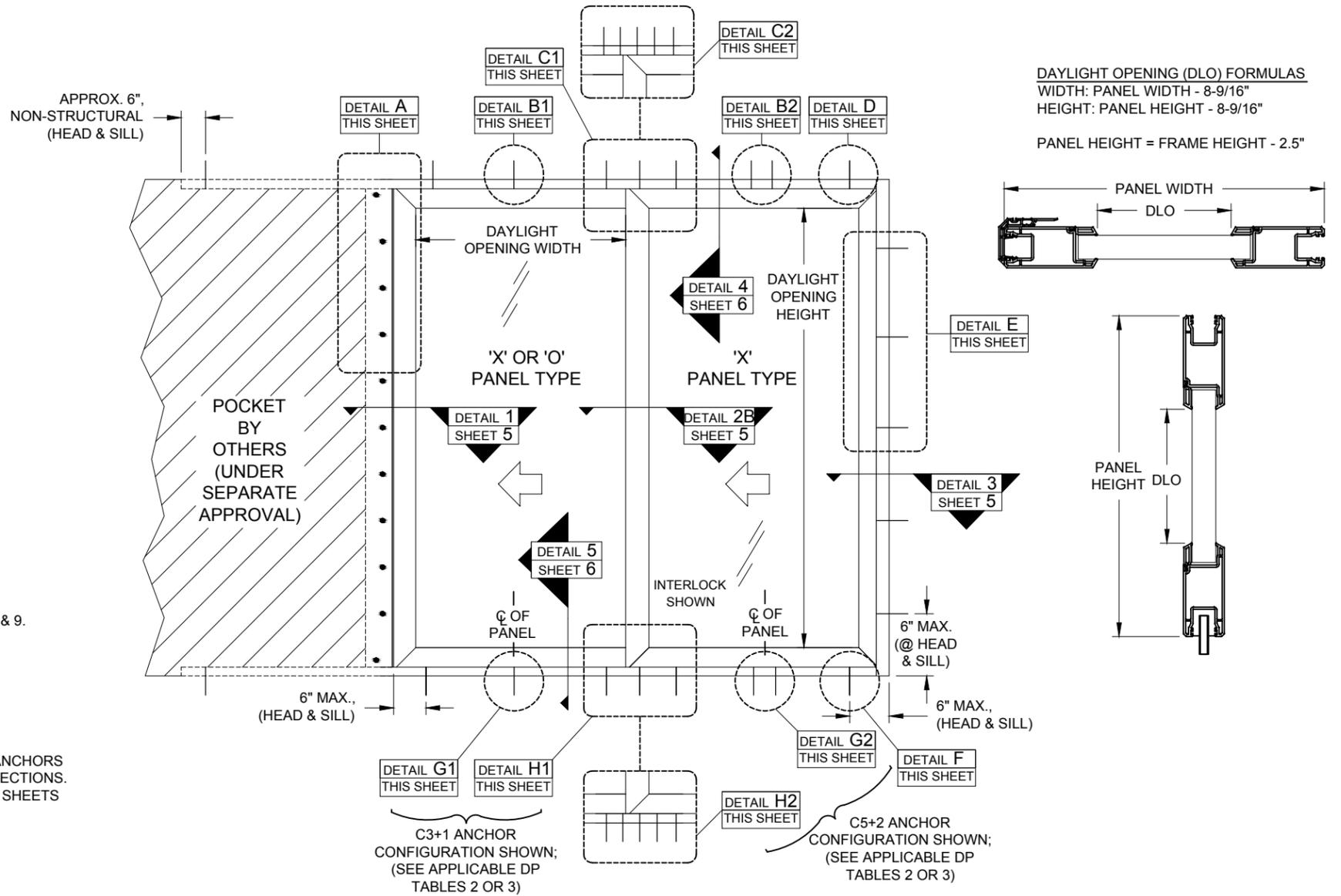
NOTE: SEE TABLE 1, SHEET 6 FOR ANCHOR EDGE DISTANCE AND EMBEDMENT.



WEEPHOLE PATTERN @ 24" O.C.



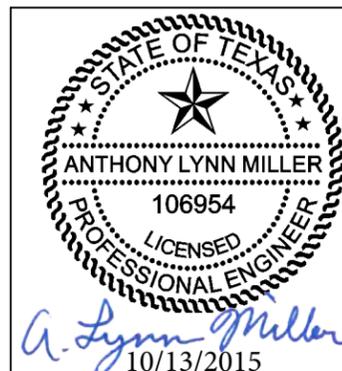
WEEPHOLE PATTERN @ SILL ENDS



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

PANEL HEIGHT = FRAME HEIGHT - 2.5"

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

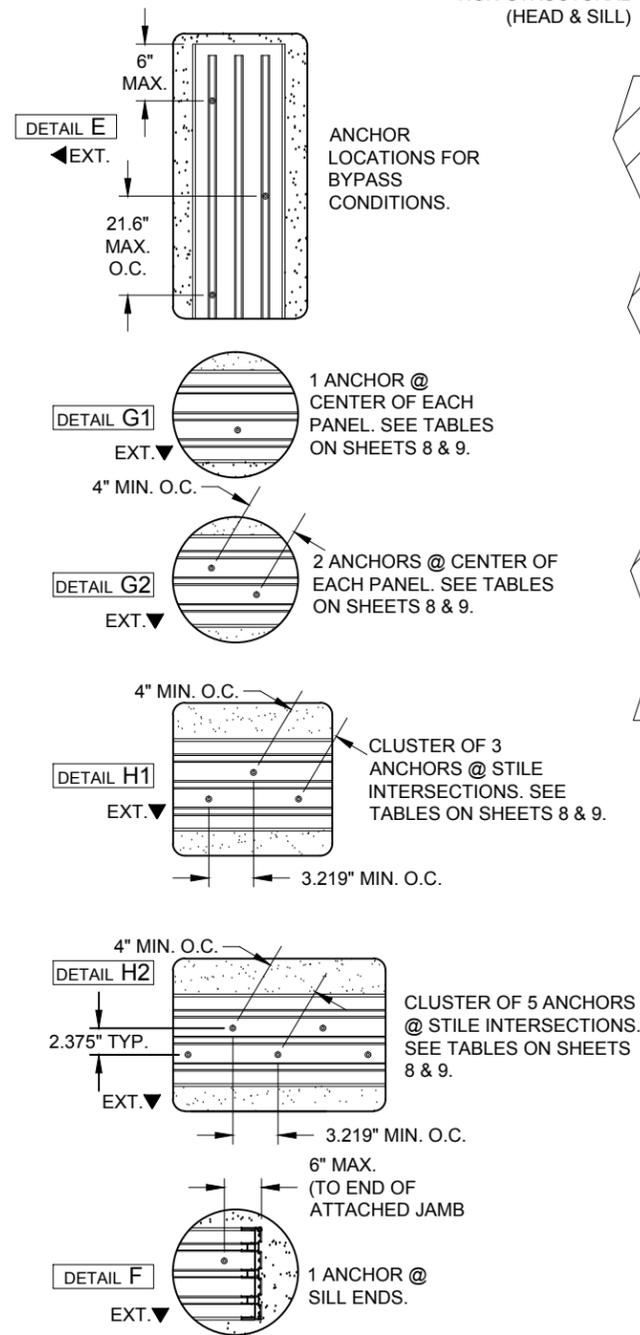
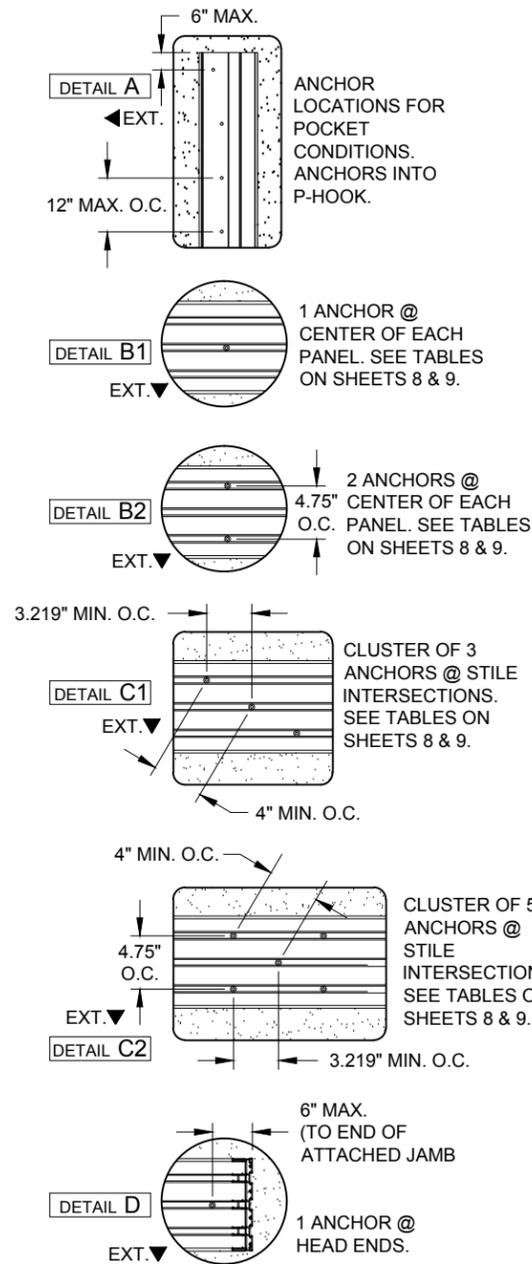


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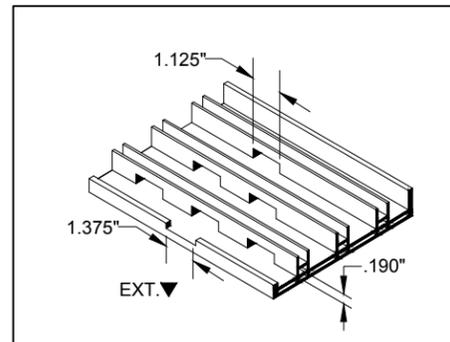
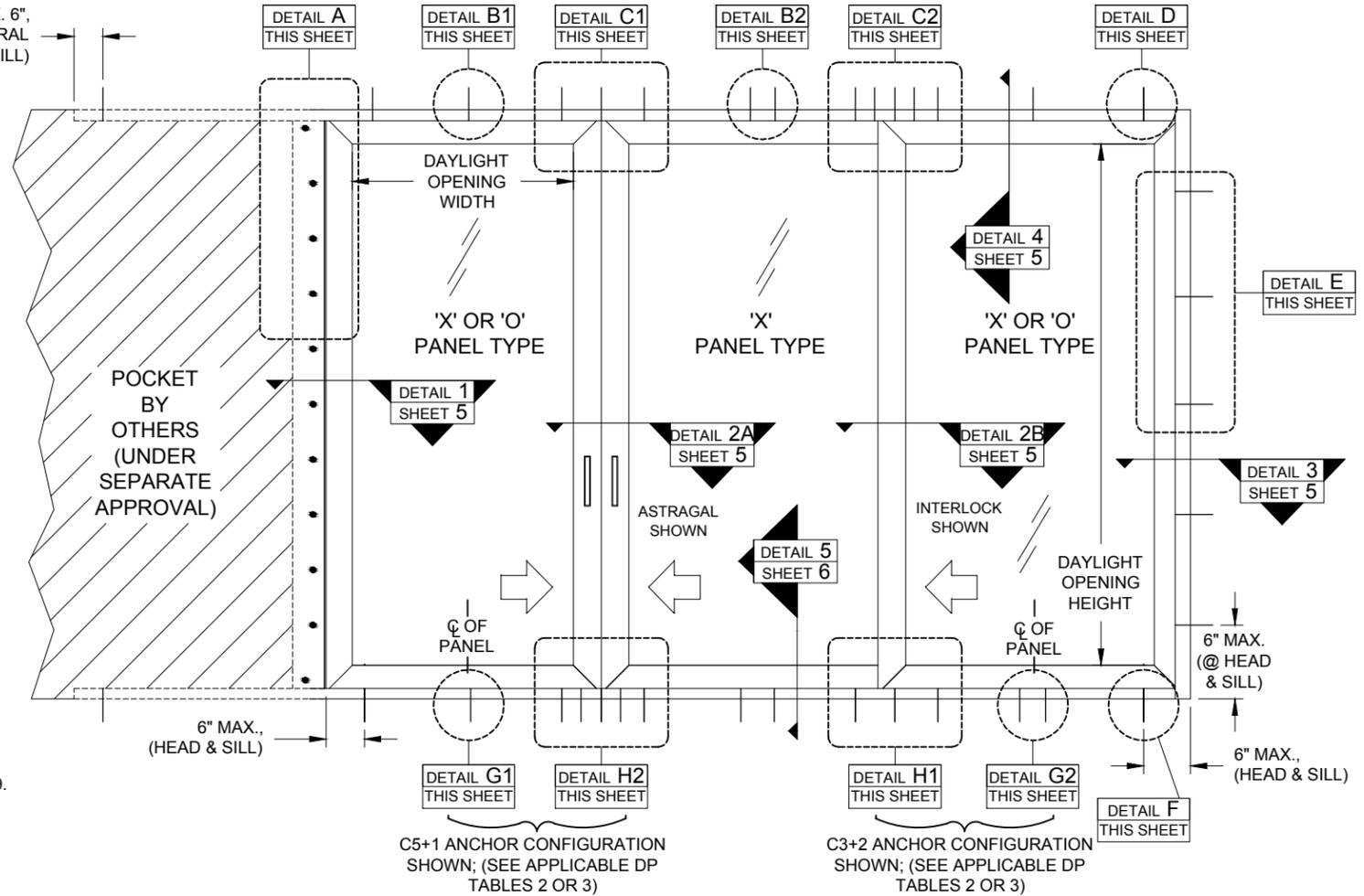
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 P.E. #106954

Revised By:	Date:	Revision:
Revised By:	Date:	Revision:
Description: <b>ANCHOR LOCATIONS (2 TRACKS)</b>		Drawn By: <b>J ROSOWSKI</b>
Title: <b>VINYL SGD INSTALLATION GUIDELINES</b>		Date: <b>10/12/15</b>
Series/Model: <b>5570/2770</b>	Scale: <b>NTS</b>	Sheet: <b>2 OF 13</b>
Drawing No. <b>TDI-SGD5570.1</b>		Rev:

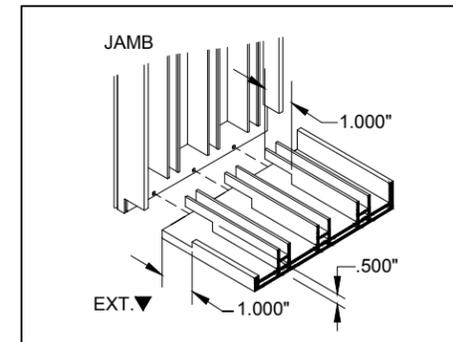
# 3-TRACK CONFIGURATIONS



APPROX. 6",  
NON-STRUCTURAL  
(HEAD & SILL)

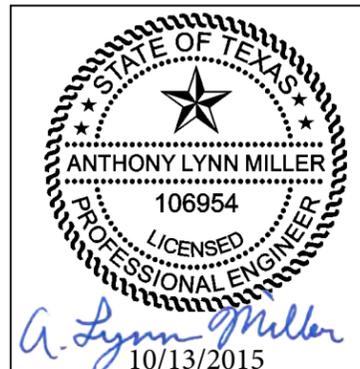


WEEPHOLE PATTERN @ 24" O.C.



WEEPHOLE PATTERN @ SILL ENDS

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

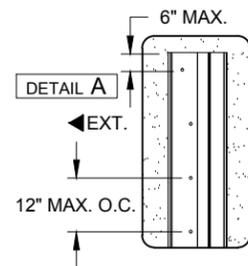


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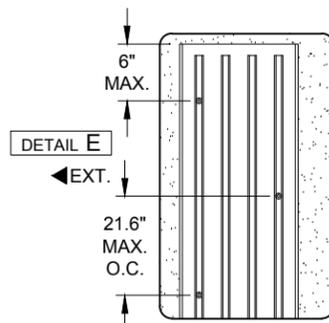
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Revised By:	Date:	Revision:
Description: <b>ANCHOR LOCATIONS (3 TRACKS)</b>		Drawn By: <b>J ROSOWSKI</b>
Title: <b>VINYL SGD INSTALLATION GUIDELINES</b>		Date: <b>10/12/15</b>
Series/Model: <b>5570/2770</b>	Scale: <b>NTS</b>	Sheet: <b>3 OF 13</b>
Drawing No. <b>TDI-SGD5570.1</b>		Rev:

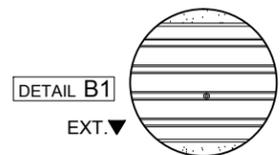
# 4-TRACK CONFIGURATIONS



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



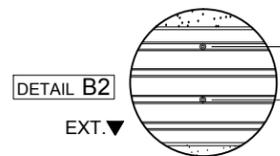
ANCHOR LOCATIONS FOR BYPASS CONDITIONS.



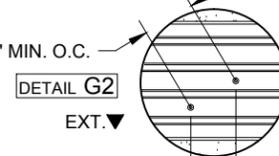
1 ANCHOR @ CENTER OF EACH PANEL. SEE TABLES ON SHEETS 8 & 9.



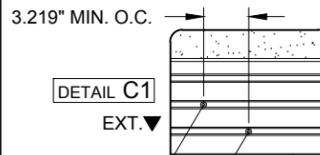
1 ANCHOR @ CENTER OF EACH PANEL. SEE TABLES ON SHEETS 8 & 9.



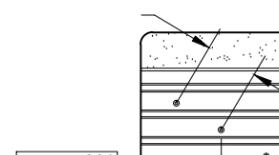
2 ANCHORS @ CENTER OF EACH PANEL. SEE TABLES ON SHEETS 8 & 9.



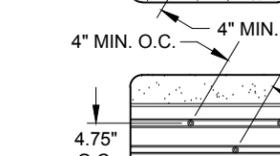
2 ANCHORS @ CENTER OF EACH PANEL. SEE TABLES ON SHEETS 8 & 9.



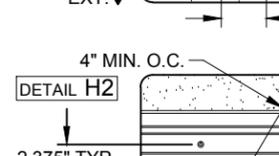
CLUSTER OF 3 ANCHORS @ STILE INTERSECTIONS. SEE TABLES ON SHEETS 8 & 9.



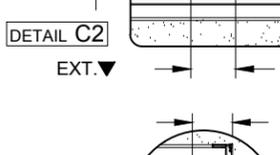
CLUSTER OF 3 ANCHORS @ STILE INTERSECTIONS. SEE TABLES ON SHEETS 8 & 9.



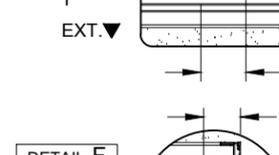
CLUSTER OF 5 ANCHORS @ STILE INTERSECTIONS. SEE TABLES ON SHEETS 8 & 9.



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



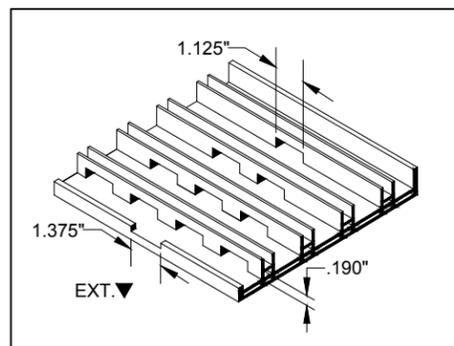
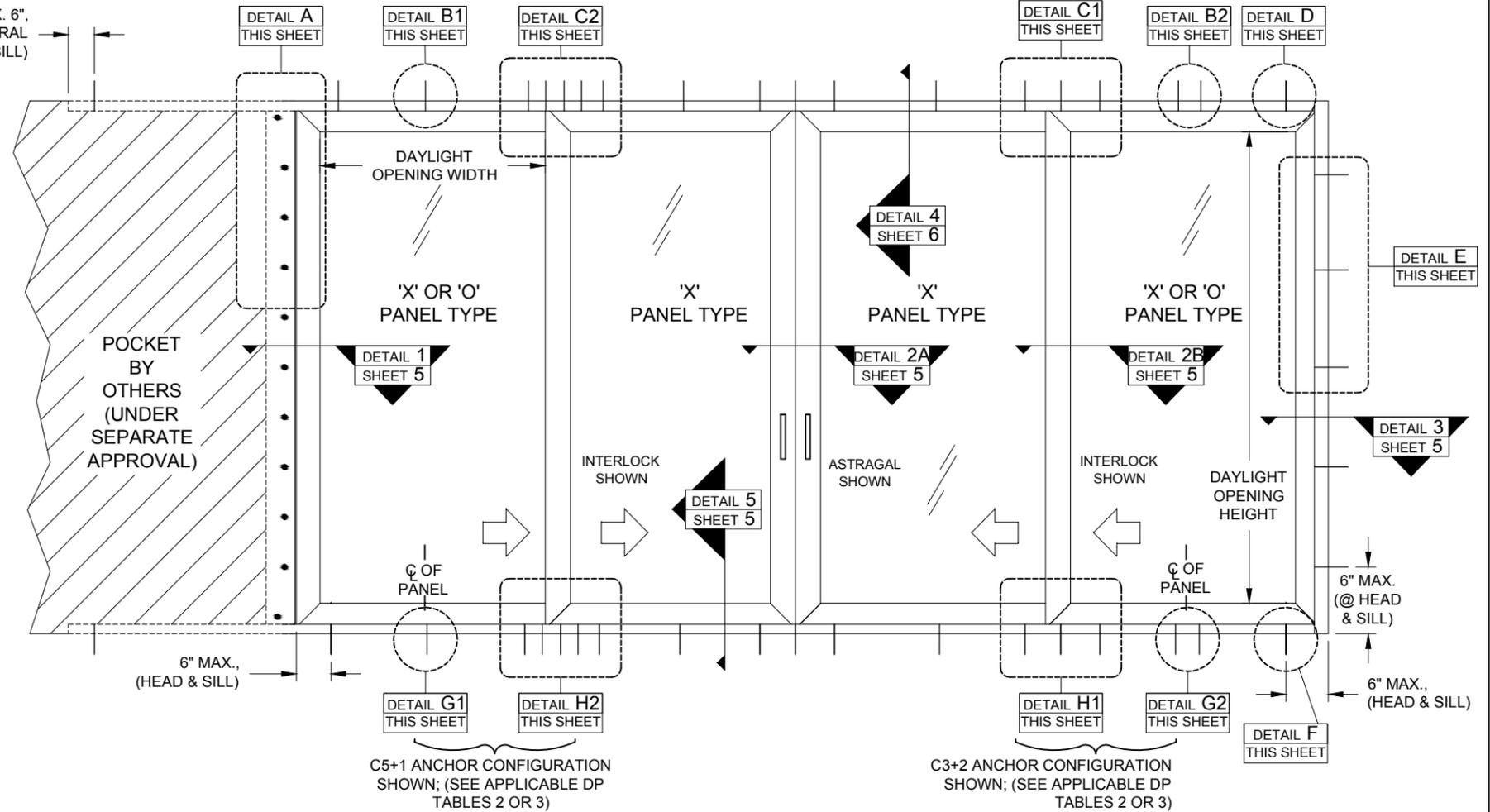
1 ANCHOR @ HEAD ENDS.



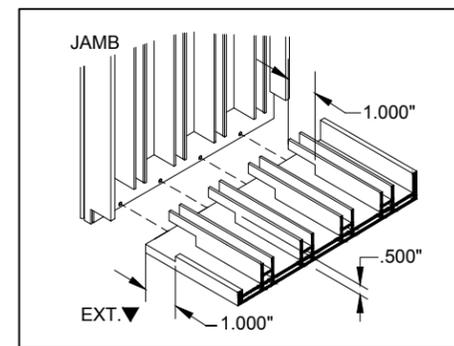
1 ANCHOR @ SILL ENDS.

- 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"

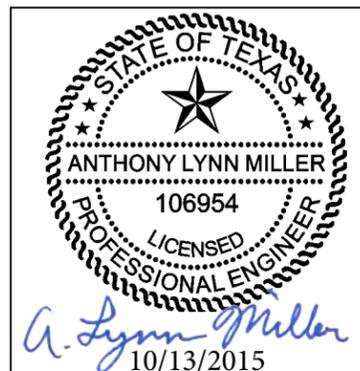
APPROX. 6", NON-STRUCTURAL (HEAD & SILL)



WEEPHOLE PATTERN @ 24" O.C.



WEEPHOLE PATTERN @ SILL ENDS



1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275

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Revised By:	Date:	Revision:
Description: <b>ANCHOR LOCATIONS (4 TRACKS)</b>		Drawn By: <b>J ROSOWSKI</b>
Title: <b>VINYL SGD INSTALLATION GUIDELINES</b>		Date: <b>10/12/15</b>
Series/Model: <b>5570/2770</b>	Scale: <b>NTS</b>	Sheet: <b>4 OF 13</b>
Drawing No. <b>TDI-SGD5570.1</b>		Rev:

**DETAIL 1**  
INTO MASONRY

**DETAIL 2A**  
ASTRAGAL

**DETAIL 2B**  
INTERLOCK

**DETAIL 3**  
INTO MASONRY  
1X BUCKSTRIP

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

CONCRETE/CMU  
PER ANCHOR  
REQUIREMENT

EMBEDMENT

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

EDGE  
DISTANCE

1/4" MAX.

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

EDGE  
DISTANCE

2-3/8" ROW  
SPACING

EMBED-  
MENT

CONCRETE/CMU  
PER ANCHOR  
REQUIREMENT

1/4" MAX.

CONCRETE/CMU  
PER ANCHOR  
REQUIREMENT

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

EDGE  
DISTANCE

EMBED-  
MENT

NON-STRUCTURAL  
ANCHOR

20 OPTIONAL

1/4"  
MAX.

21

24

35

37

28/29

POCKET  
P-HOOK

PANEL WIDTH

DOOR FRAME WIDTH

LOCKSTILE

37

26/27

10

ASTRAGAL

26

EXTERIOR

DOOR FRAME WIDTH

PANEL WIDTH

96

94

92

INTERLOCK

BOX SCREEN

26/27

79

24

65

25

REQUIRED IF DOOR  
HEIGHT IS OVER 96"

INTERLOCK

BOX SCREEN

26/27

7

8

103

105

100

16

FOR  
LOCKSTILES,  
ASTRAGALS,  
FIXED  
STILES AND  
HORIZONTAL  
RAILS

26

27

SEE NOTES  
3 & 6  
BELOW

FOR  
INTERLOCKS  
ONLY

28

29

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

1/4" MAX.

EDGE  
DISTANCE

2-3/8" ROW  
SPACING

EDGE  
DISTANCE

EMBEDMENT

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

EDGE  
DISTANCE

EMBEDMENT

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

EDGE  
DISTANCE

EMBEDMENT

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

EDGE  
DISTANCE

EMBEDMENT

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

EDGE  
DISTANCE

EMBEDMENT

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

EDGE  
DISTANCE

#8 X 3/4" SMS REINFORCEMENT  
SCREW; 3 PER RAIL, LOCATED  
AT CENTERLINE AND 9" FROM  
ENDS (FACTORY INSTALLED)

8

62

FIXED PANEL CLIP  
AND ANCHORS, SEE  
DETAIL SHEET 7

FIXED STILE

116

STANDARD SCREEN

EXTERIOR

PANEL WIDTH

111

125

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

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

EDGE  
DISTANCE

EMBED-  
MENT

NON-STRUCTURAL  
ANCHOR

1/4"  
MAX.

20 OPTIONAL

POCKET  
P-HOOK

EXTERIOR

DOOR FRAME WIDTH

PANEL WIDTH

1/4" MAX.

45 P-HOOK  
REINF.  
PLATE (12" LONG, @  
PANEL MIDSPAN

46 P-HOOK  
REINF.  
PLATE SMS,  
#10 X 1-1/4"  
(5) @ 2-5/8" O.C.

**DETAIL 1**  
INTO WOOD

**DETAIL 3**  
INTO WOOD

**DETAIL 2B**  
INTERLOCK

**DETAIL 3**  
INTO MASONRY

- 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.
  - 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.



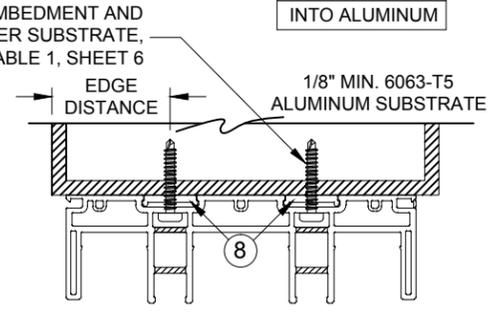
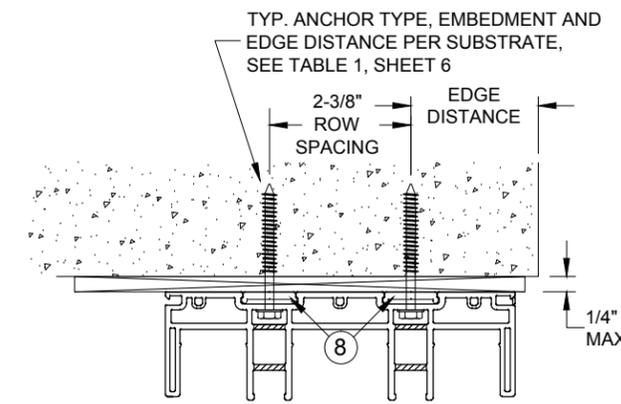
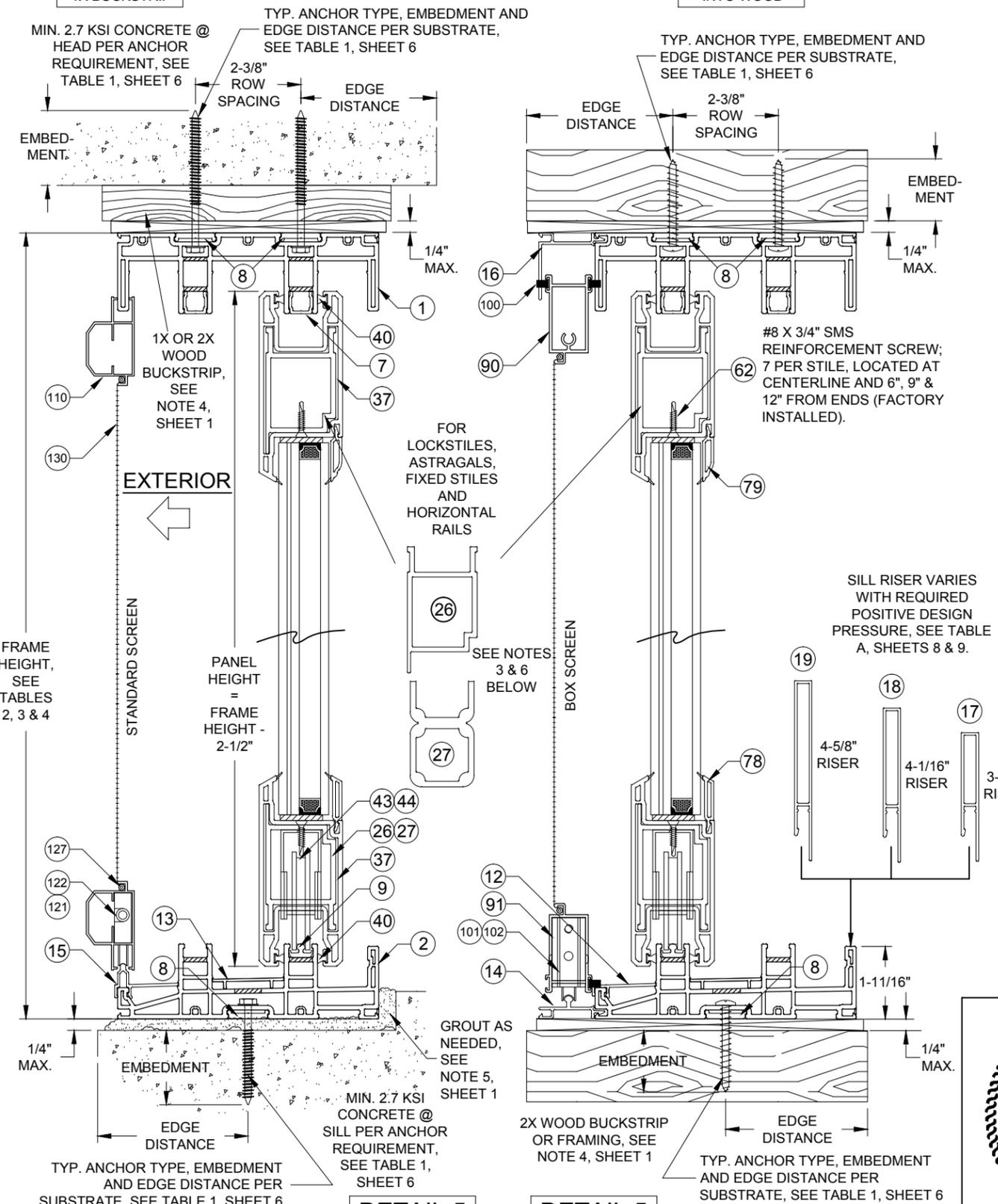
Revised By:	Date:	Revision:
Revised By:	Date:	Revision:
Description: <b>HORIZONTAL INSTALLATION DETAILS</b>		Drawn By: <b>J ROSOWSKI</b>
Title: <b>VINYL SGD INSTALLATION GUIDELINES</b>		Date: <b>10/12/15</b>
Series/Model: <b>5570/2770</b>	Scale: <b>NTS</b>	Sheet: <b>5 OF 13</b>
Drawing No. <b>TDI-SGD5570.1</b>	Rev:	

**DETAIL 4**  
INTO MASONRY  
1X BUCKSTRIP

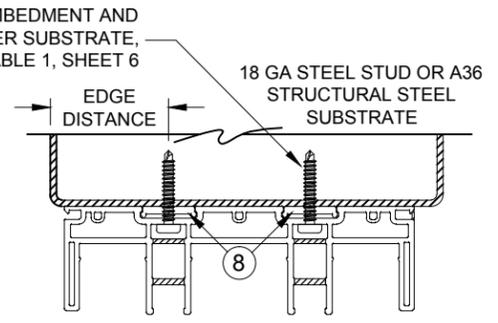
**DETAIL 4**  
INTO WOOD

**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"	
B	P.T. Southern Pine (SG = .55)	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"
C	Concrete (min. 2.7 ksi)	#12 Wood Screw (G5)	1-3/8"	3/4"	
	Concrete (min. 3.35 ksi)	1/4" Elco UltraCon	1-3/8"	1"	
	UngROUTED CMU, JAMBS ONLY (ASTM C-90)	1/4" Elco UltraCon	1-3/4"	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 2-3 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) ALL REINFORCEMENTS ARE APPROXIMATELY THE FULL LENGTH OF THE EXTRUSION. REFER TO TEST REPORTS FOR EXACT DIMENSIONS.

**DETAIL 5**  
INTO MASONRY

**DETAIL 5**  
INTO WOOD

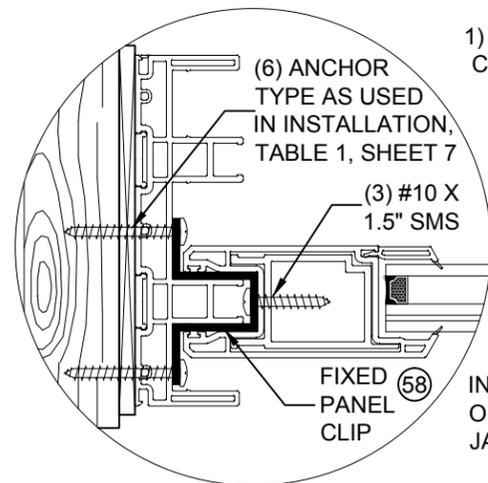


**PGT**

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275

A. LYNN MILLER, P.E.  
P.E. #106954

Revised By:	Date:	Revision:
Revised By:	Date:	Revision:
Description: <b>VERTICAL INSTALLATION DETAILS</b>		Drawn By: <b>J ROSOWSKI</b>
Title: <b>VINYL SGD INSTALLATION GUIDELINES</b>		Date: <b>10/12/15</b>
Series/Model: <b>5570/2770</b>	Scale: <b>NTS</b>	Sheet: <b>6 OF 13</b>
Drawing No. <b>TDI-SGD5570.1</b>		Rev:



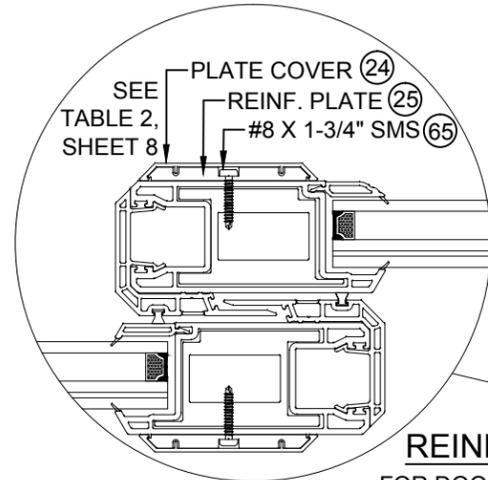
1) INSTALL CLIP INTO PANEL STILE

2) INSTALL CLIP INTO FRAME JAMB & SUBSTRATE, SEE TABLE 1

(6) ANCHOR TYPE AS USED IN INSTALLATION, TABLE 1, SHEET 7

(3) #10 X 1.5" SMS

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



(2) #8 X 1" SMS

SEE TABLE 2, SHEET 8

PLATE COVER (24)

REINF. PLATE (25)

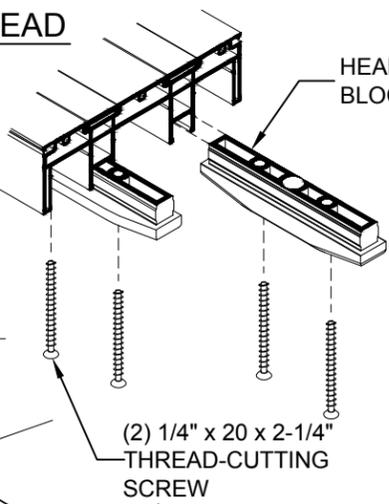
#8 X 1-3/4" SMS (65)

**JAMB TO SILL ASSEMBLY**

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

**HEADER BLOCK TO HEAD ATTACHMENT**

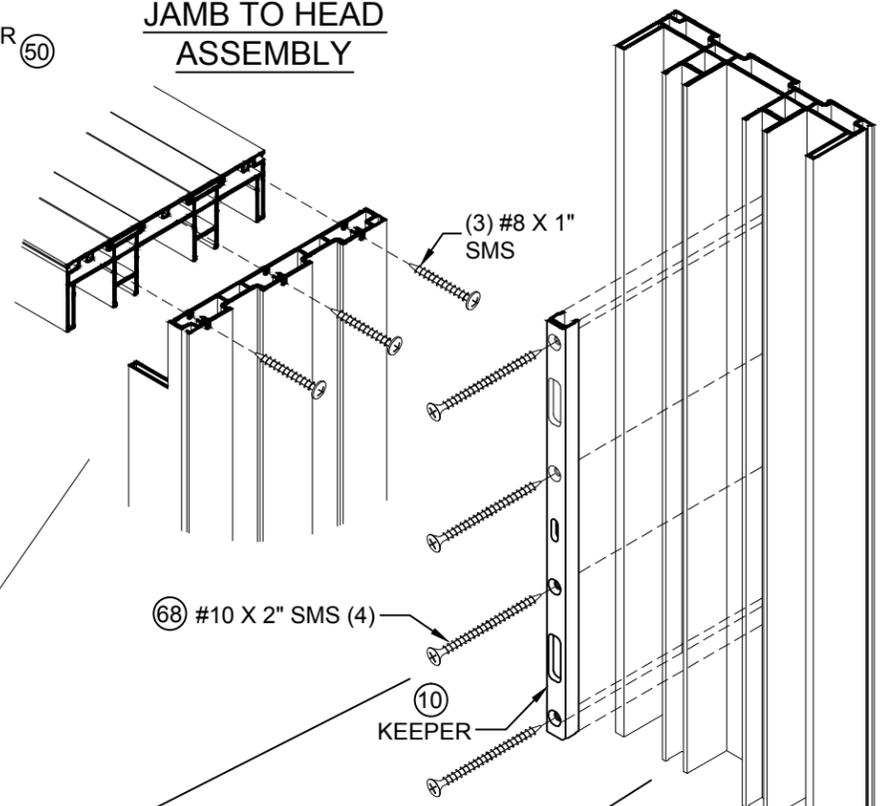
INSTALL ONE BLOCK AT EACH INTERLOCK. AT ASTRAGAL, INSTALL ONE BLOCK THAT SPANS BOTH PANELS.



HEADER BLOCK (50)

(2) 1/4" x 20 x 2-1/4" THREAD-CUTTING SCREW

**JAMB TO HEAD ASSEMBLY**

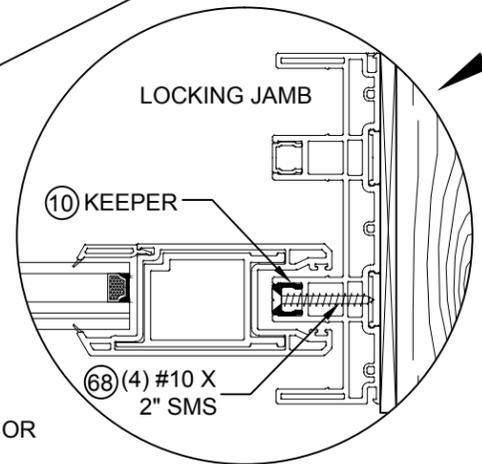


(3) #8 X 1" SMS

(68) #10 X 2" SMS (4)

(10) KEEPER

**KEEPER TO JAMB ATTACHMENT**



LOCKING JAMB

(10) KEEPER

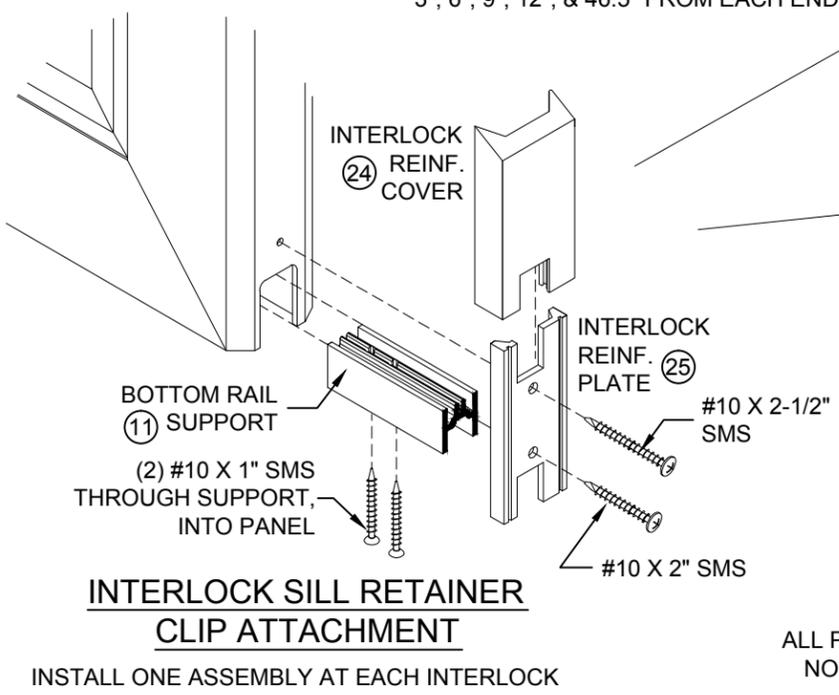
(68) (4) #10 X 2" SMS

**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.

OXXX SHOWN

INTERIOR

EXTERIOR



INTERLOCK REINF. COVER (24)

BOTTOM RAIL (1) SUPPORT

(2) #10 X 1" SMS THROUGH SUPPORT, INTO PANEL

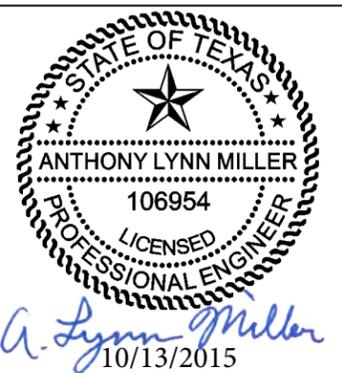
INTERLOCK REINF. PLATE (25)

#10 X 2-1/2" SMS

#10 X 2" SMS

**INTERLOCK SILL RETAINER CLIP ATTACHMENT**  
INSTALL ONE ASSEMBLY AT EACH INTERLOCK

**PANEL ASSEMBLY**  
ALL PANEL CORNERS WELDED, NO ASSEMBLY FASTENERS



1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275

A. LYNN MILLER, P.E.  
P.E. #106954

Revised By:	Date:	Revision:
Revised By:	Date:	Revision:
Description: <b>ACCESSORIES INSTALLATION DETAILS</b>		Drawn By: <b>J ROSOWSKI</b>
Title: <b>VINYL SGD INSTALLATION GUIDELINES</b>		Date: <b>10/12/15</b>
Series/Model: <b>5570/2770</b>	Scale: <b>NTS</b>	Sheet: <b>7 OF 13</b>
Drawing No. <b>TDI-SGD5570.1</b>		Rev:

TABLE 2:

3/16" HS GLASS + .090" SG INTERLAYER + 3/16" HS GLASS + 7/16" AIR SPACE + 3/16" T INT. CAP		Series 5570 & 2770 Anchor Quantities and Design Pressures																			
		FRAME HEIGHT (IN)																			
		80				84				96				108				120			
NOM. PANEL WIDTH (IN)	FRAME SIDE	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D
24	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1										
	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	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
30	Head & Sill	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C5+1	C5+1	C3+1	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	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	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+90.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
36	Head & Sill	C5+2	C5+1	C3+1	C3+1	C5+2	C5+1	C5+1	C3+1	C5+2	C5+1	C5+1	C3+1	C5+1	C3+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	6	6	6	6	6	6	6	6
	P-hook	9	8	8	8	9	8	8	8	10	9	9	9	10	10	10	10	11	11	11	11
	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	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
42	Head & Sill	C5+2	C5+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1	C5+1	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1
	Jamb	6	5	7	5	6	6	7	5	7	6	8	5	6	6	6	6	6	6	7	6
	P-hook	10	8	8	8	10	8	8	8	11	9	9	9	10	10	10	10	11	11	11	11
	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	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
48	Head & Sill	C5+2	C5+2	C5+2	C3+2	C5+2	C5+2	C5+2	C3+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+1	C3+1	C5+2	C5+2	C5+1	C3+1
	Jamb	7	6	8	5	7	6	8	5	7	7	10	5	6	6	7	6	7	6	8	6
	P-hook	11	8	8	8	12	8	8	8	12	9	10	10	10	10	10	10	11	11	11	11
	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	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
54	Head & Sill	C5+2	C5+2	C3+2	C3+2	C5+2	C5+2	C5+2	C3+2	C5+2	C5+2	C5+2	C3+2								
	Jamb	6	5	7	5	6	6	8	5	7	6	9	5								
	P-hook	10	8	8	8	11	8	8	8	12	9	9	9								
	Design Pressure	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0								
60	Head & Sill	C5+2	C5+2	C5+2	C3+2	C5+2	C5+2	C5+2	C3+2	C5+2	C5+2	C5+2	C3+2								
	Jamb	6	6	8	5	6	6	8	5	7	7	10	5								
	P-hook	10	8	8	8	10	8	8	8	11	9	10	10								
	Design 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								

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

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

TABLE KEY:

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

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

THE MAXIMUM NEGATIVE DESIGN PRESSURE AT THESE ANCHOR QUANTITIES.

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

TOTAL # OF ANCHORS THROUGH THE P-HOOK.  
TOTAL # OF ANCHORS THROUGH THE JAMB.

FIG 1:

OH LENGTH

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

OH RATIO = OH LENGTH/OH HEIGHT

- 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.

TABLE A:

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

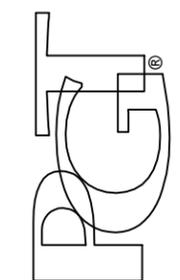
NOTES

- 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.
- 5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR ASTRAGAL ADD-ON.
- 6) SEE SHEET 2 FOR APPLICABLE DLO PER PANEL SIZE.

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



Drawn By: **J ROSOWSKI**  
 Date: **10/12/15**  
 Revision:  
 Description: **DESIGN PRESSURE TABLE 2**  
 Title: **VINYL SGD INSTALLATION GUIDELINES**  
 Series/Model: **5570/2770**  
 Scale: **NTS**  
 Sheet: **8 OF 13**  
 Drawing No.: **TDI-SGD5570.1**



1070 TECHNOLOGY DRIVE  
 N. VENICE, FL 34275  
 A. LYNN MILLER, P.E.  
 P.E. #106954

TABLE 3:

3/16" HS GLASS + .090" PVB INTERLAYER + 3/16" AN GLASS + 7/16" AIR SPACE + 3/16" T INT. CAP		Series 5570 & 2770 Anchor Quantities and Design Pressures											
		FRAME HEIGHT (IN)											
		80				84				96			
NOM. PANEL WIDTH (IN)	FRAME SIDE	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D
24	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
		-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0
30	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
		-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0
36	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
		-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0
42	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
		-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0
48	Head & Sill	C3+2	C3+1	C3+1	C3+1	C3+2	C3+1	C3+1	C3+1	C5+2	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	6	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
		-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0	-60.0

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

TABLE A:

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

- 1) THE LESSER VALUE OF TABLE A AND 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 2-3 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.

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

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

TABLE KEY:

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

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

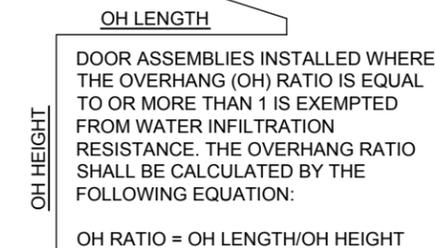
THE MAXIMUM NEGATIVE DESIGN PRESSURE AT THESE ANCHOR QUANTITIES.

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

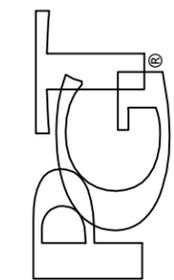
TOTAL # OF ANCHORS THROUGH THE P-HOOK.

TOTAL # OF ANCHORS THROUGH THE JAMB.

FIG 1:

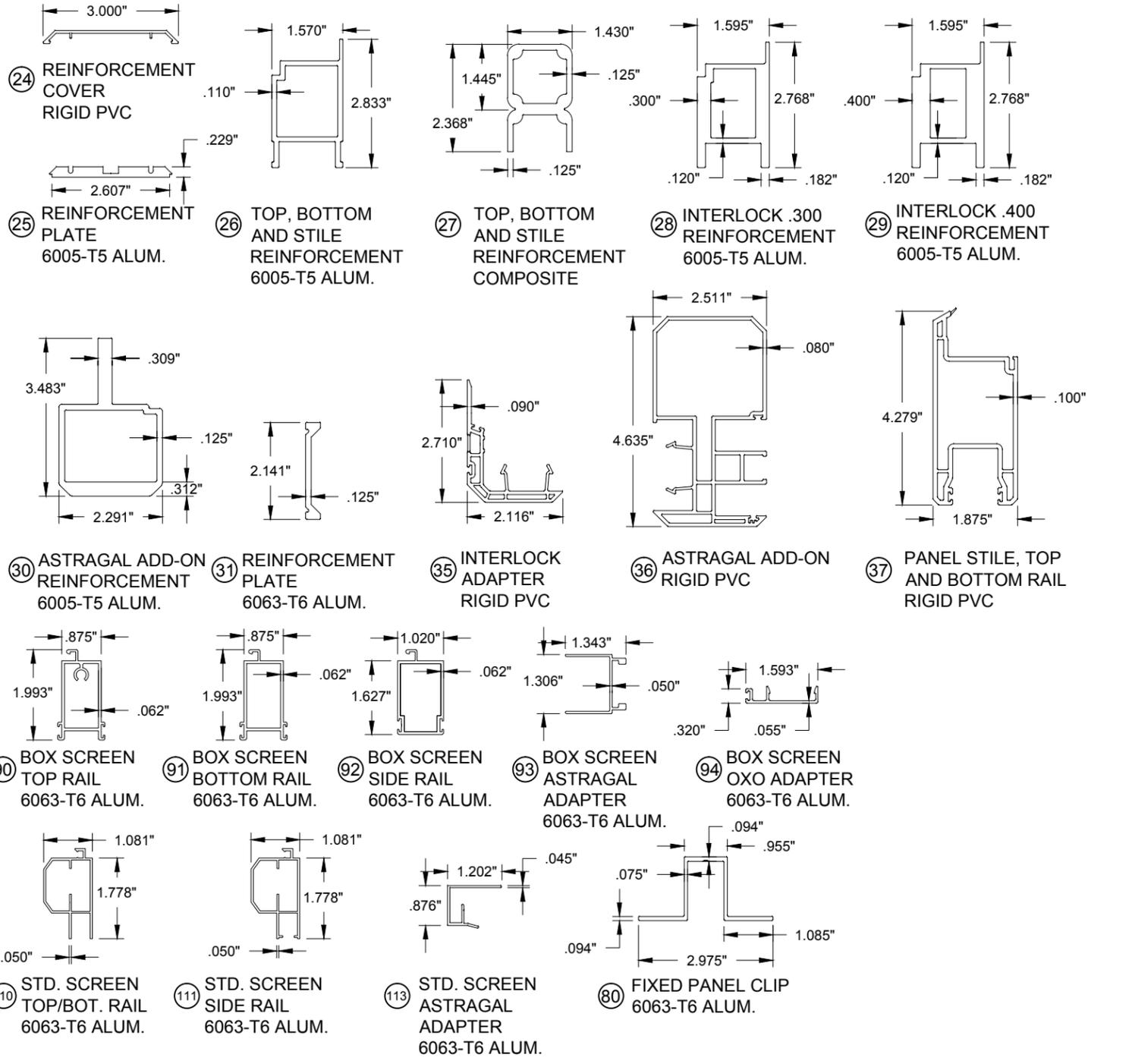
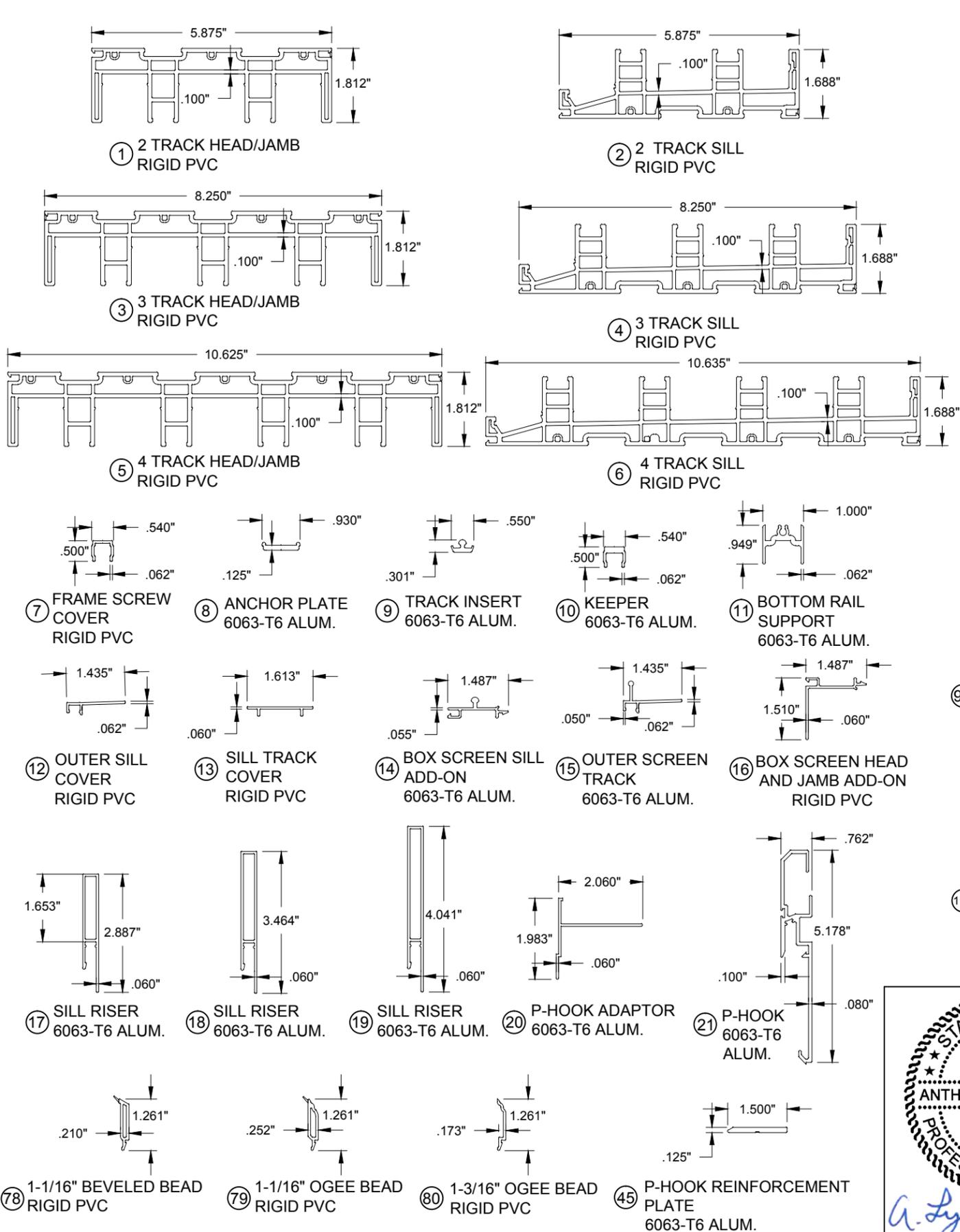


Drawn By:	J ROSOWSKI	Date:	10/12/15
Revised By:		Date:	
Revision:		Revision:	
Description:			
DESIGN PRESSURE TABLE 3			
Title:			
VINYL SGD INSTALLATION GUIDELINES			
Series/Model:	5570/2770	Scale:	NTS
Sheet:	9 OF 13	Drawing No.:	TDI-SGD5570.1



1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275

A. LYNN MILLER, P.E.  
P.E. #106954



STATE OF TEXAS  
 ANTHONY LYNN MILLER  
 106954  
 LICENSED PROFESSIONAL ENGINEER  
 A. Lynn Miller  
 10/13/2015

**PGT**  
 1070 TECHNOLOGY DRIVE  
 N. VENICE, FL 34275  
 A. LYNN MILLER, P.E.  
 P.E. #106954

Revised By:	Date:	Revision:
Revised By:	Date:	Revision:
Description: <b>PART DETAILS</b>		Drawn By: <b>J ROSOWSKI</b>
Title: <b>VINYL SGD INSTALLATION GUIDELINES</b>		Date: <b>10/12/15</b>
Series/Model: <b>5570/2770</b>	Scale: <b>NTS</b>	Sheet: <b>10 OF 13</b>
Drawing No. <b>TDI-SGD5570.1</b>	Rev:	

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" FI PH SMS

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

Part #	PGT. #	Description
Box Screen		
90	612256	Screen Top Rail
91	612257	Screen Bottom Rail
92	612258	Screen Side Rail - Lockstile
93	64344	Screen Astragal
94	617349	OXO Screen Astragal Adapter
95	64428	Screen Double Interlock
96	617347A	Screen Bug Flap
97	41818K	Screen Keeper Spacer Set
98	720X1X	1/4-20 x 1" S.S.
99	720X112X	1/4-20 x 1-1/2" S.S.
100	71793G	Wstp, .270" x .150" - Fin Seal
101	7SRAZ	Standard Roller
102	7SRAX	Standard Roller - S.S.
103	7LOCKWGS	Screen Lockset
104	41818K	Screen Lock Keeper Spacers
105	7SDKKEEP	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.



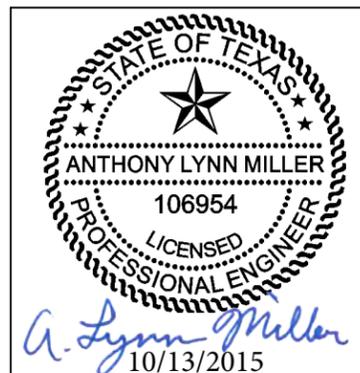
Drawn By: <b>J ROSOWSKI</b>	Date: <b>10/12/15</b>	Rev:
Revised By:	Date:	Revision:
Revised By:	Date:	Revision:
Description: <b>BILL OF MATERIALS</b>		
Title: <b>VINYL SGD INSTALLATION GUIDELINES</b>		
Series/Model: <b>5570/2770</b>	Scale: <b>NTS</b>	Sheet: <b>11 OF 13</b>
Drawing No. <b>TDI-SGD5570.1</b>		
 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 A. LYNN MILLER, P.E. P.E. #106954		

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

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

TYPE	
6P3T	
6P3T	
8P4T	
8P4T	

↑  
INTERIOR  
EXTERIOR  
↓



1070 TECHNOLOGY DRIVE  
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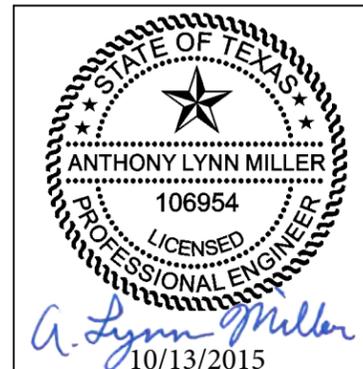
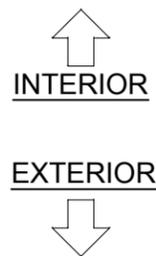
Revised By:	Date:	Revision:
Revised By:	Date:	Revision:
Description: <b>SAMPLE CONFIGS AND PANEL NAMES</b>		Drawn By: <b>J ROSOWSKI</b>
Title: <b>VINYL SGD INSTALLATION GUIDELINES</b>		Date: <b>10/12/15</b>
Series/Model: <b>5570/2770</b>	Scale: <b>NTS</b>	Sheet: <b>12 OF 13</b>
Drawing No. <b>TDI-SGD5570.1</b>		Rev:

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.



1070 TECHNOLOGY DRIVE  
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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: 10/12/15
Series/Model: 5570/2770	Scale: NTS	Sheet: 13 OF 13
Drawing No. TDI-SGD5570.1		Rev: