

SERIES 5570 VINYL, IMPACT RESISTANT SLIDING GLASS DOOR
INCLUDING TRITON GLASS, POCKETS & 90° / 135° CORNERS

1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS. FOR INSULATED GLASS INSTALLATIONS ABOVE 30' IN THE HVHZ, THE OUTBOARD LITE (CAP) MUST TEMPERED.

3) 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 AND SECURED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER, (EOR) OR ARCHITECT OF RECORD, (AOR).

4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE EMBEDMENT. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.

5) MAX. 1/4" SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS.

6) DESIGN PRESSURES:
A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL/CYCLE TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL/ CYCLE TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.

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) REFER TO CURRENT FLORIDA BUILDING CODE FOR EGRESS REQUIREMENTS.

9) IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, MAX. 1/4" THICK & 3400 PSI MIN., (DONE BY OTHERS) 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.

WHERE THE PRODUCT WILL BE INSTALLED WITHIN 3,000 FEET OF A SALTWATER COASTLINE, IT MUST COMPLY WITH SECTION 1711 OF THE FBC, BUILDING OR R332 OF THE FBC, RESIDENTIAL.

DLO WIDTH = NOM. PANEL WIDTH - 8-9/16" NOM. PANEL WIDTH = PANEL WIDTH + 1-3/16" DLO HEIGHT = DOOR HEIGHT - 11-1/16" PANEL HEIGHT = DOOR HEIGHT - 2-1/2"

FLORIDA PRODUCT APPROVAL #33106

TABLE A:

Group	Anchor	Substrate	Frame Member	Min. Edge Distance	Min. Embedment
A	#12 SMS 18-8, 316 or 410 SS	Southern Pine, (SG=0.55)	Head/Sill/Jamb/P-hook	9/16"	1-3/8"
		Aluminum, 6063-T5	Head/Sill/Jamb/P-hook	3/8"	1/8"
		Steel, A36, (0.060" min.)	Head/Sill/Jamb/P-hook	3/8"	0.060"
		Steel Stud, A653 Gr. 33	Head/Sill/Jamb/P-hook	3/8"	0.071" (14 Ga.)
	1/4" Steel Ultracon+	Southern Pine, (SG=0.55)	Jamb	1"	1-3/8"
	1/4" 410 SS CreteFlex	Southern Pine, (SG=0.55)	Head/Sill/Jamb/P-hook	1"	1-3/8"
	#12 Steel Wood Screw (G5)	Southern Pine, (SG=0.55)	Head/Sill/Jamb/P-hook	9/16"	1-3/8"
C	1/4" Steel Ultracon+	Concrete, (min. 3 ksi)	Head/Sill/Jamb	1-1/2"	1-3/8"
			P-hook	1"	1-3/8"
		Ungrouted CMU, (ASTM C-90)	Jamb/P-hook	1"	1-1/4"
	1/4" 410 SS CreteFlex	Ungrouted CMU, (ASTM C-90)	Jamb/P-hook	1-3/4"	1-1/4"
		Concrete, (min. 3.35 ksi)	Head/Sill/Jamb	1-3/16"	1-3/4"
			P-hook	1"	1-3/4"
	1/4" 304 SS Aggre-Gator	Concrete, (min. 2.22 ksi)	Head/Sill/Jamb/P-hook	1-1/2"	1-3/8"
		Ungrouted CMU, (ASTM C-90)	Jamb/P-hook	2"	1-1/4"
		Southern Pine, (SG=0.55)	Head/Sill/Jamb/P-hook	1"	1-3/8"
D	1/4" Steel Ultracon+	Concrete, (min. 3 ksi)	Head/Sill/Jamb/P-hook	2-1/2"	1-3/8"
		Ungrouted CMU, (ASTM C-90)	Jamb/P-hook	2-1/2"	1-1/4"
	1/4" 410 SS CreteFlex	Concrete, (min. 3.35 ksi)	Head/Sill/Jamb	2-1/2"	1-3/4"
			P-hook	2-1/2"	1-3/8"
		Ungrouted CMU, (ASTM C-90)	Jamb/P-hook	2-1/2"	1-1/4"
			Jamb/P-hook	2-1/2"	1-1/4"

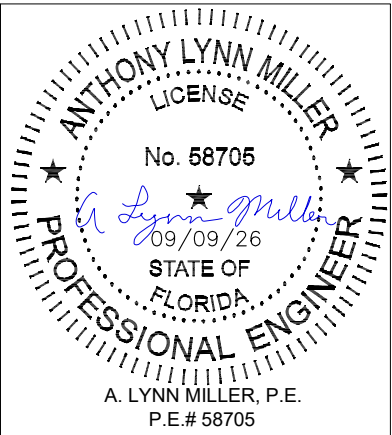
- 1) MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.
2) ALL SCREWHEAD TYPES ARE APPLICABLE.
3) 18-8 FASTENERS SHALL BE MANUFACTURED FROM TYPE 304 OR 305 STAINLESS STEEL PER ASTM A240.
4) IF COMBINING ANCHOR TYPES FROM DIFFERENT ANCHOR GROUPS ON THE SAME UNIT, THE GREATER ANCHOR QUANTITY FROM EITHER GROUP SHALL BE USED FOR THE ENTIRE UNIT.
5) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.

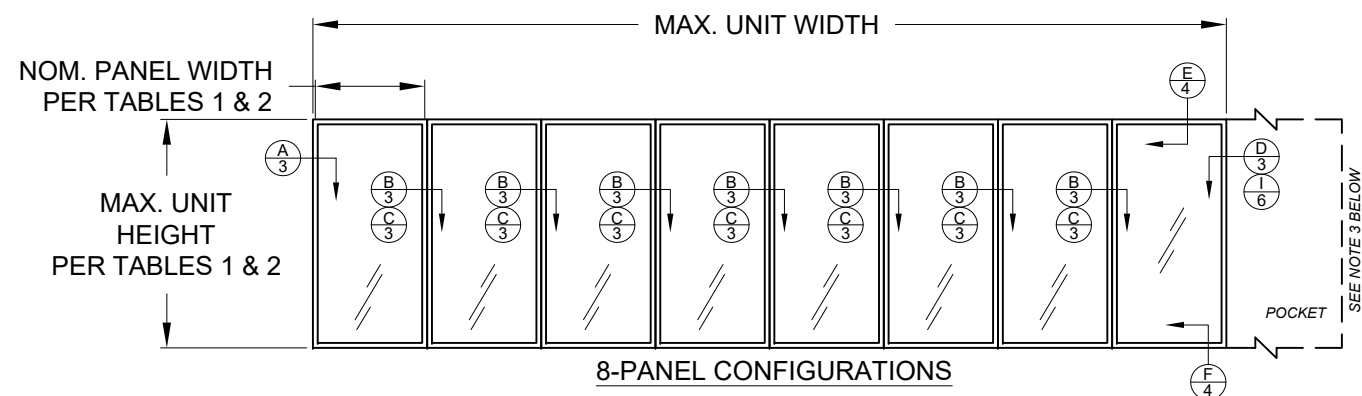
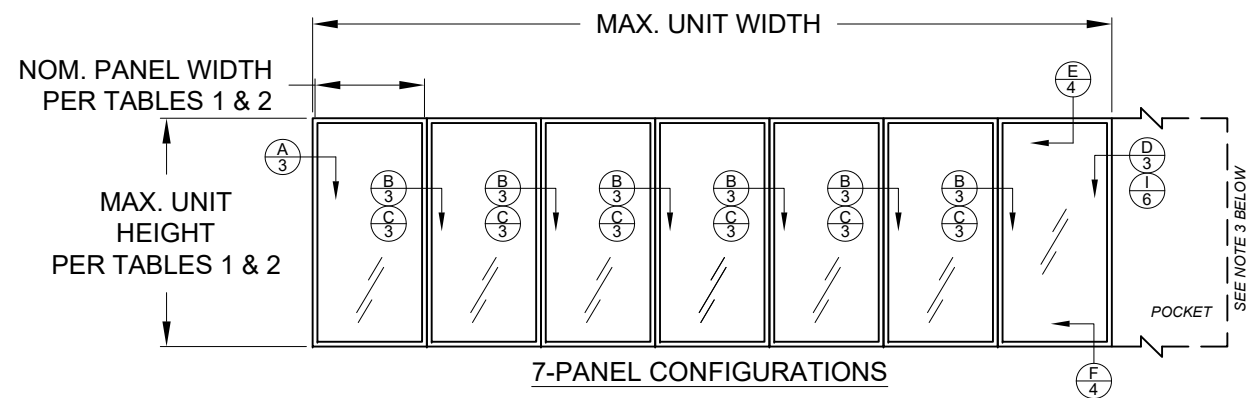
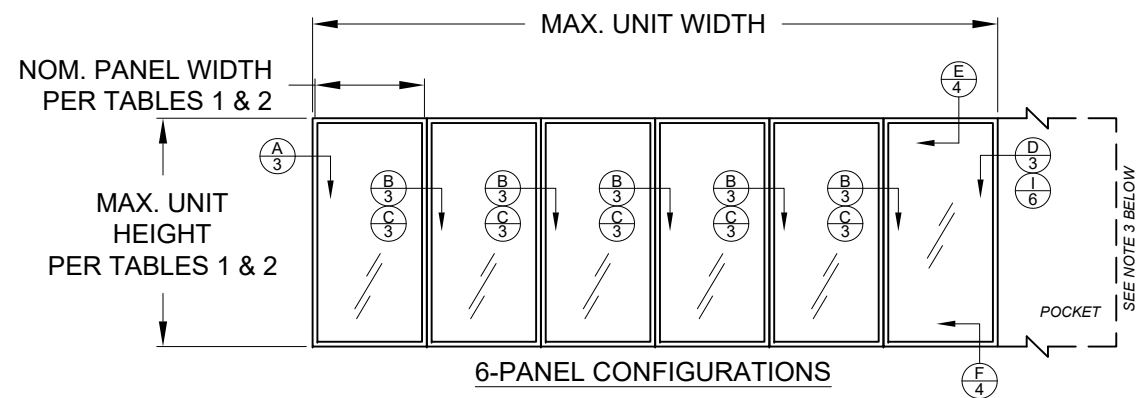
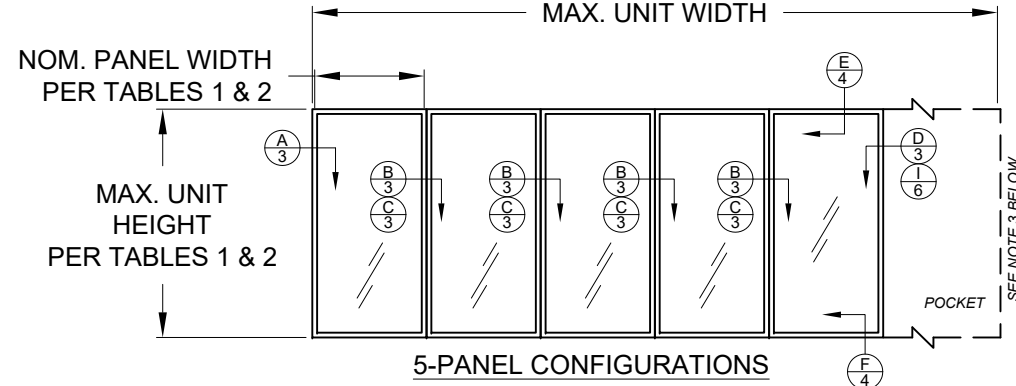
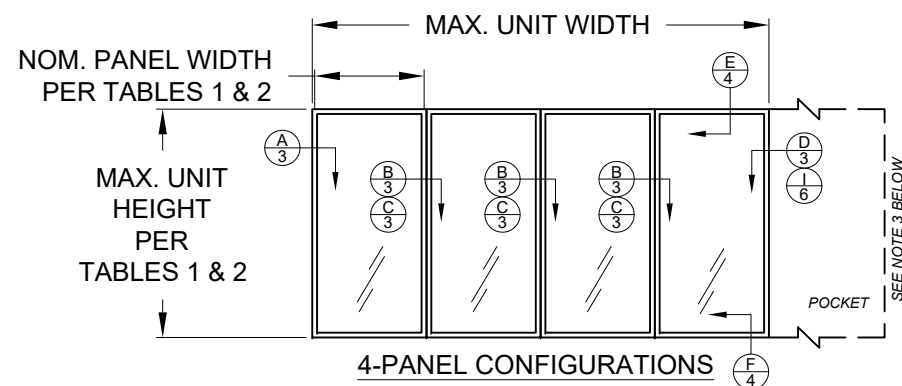
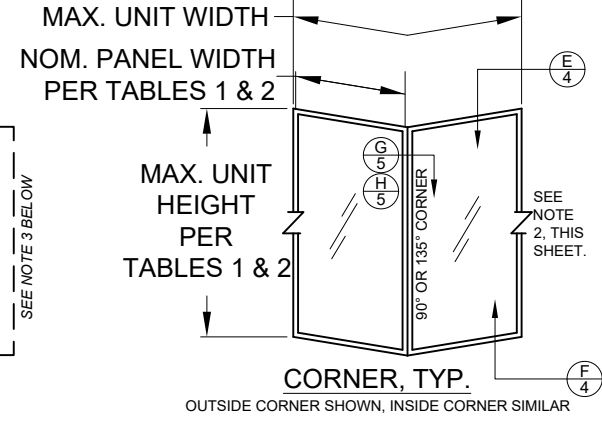
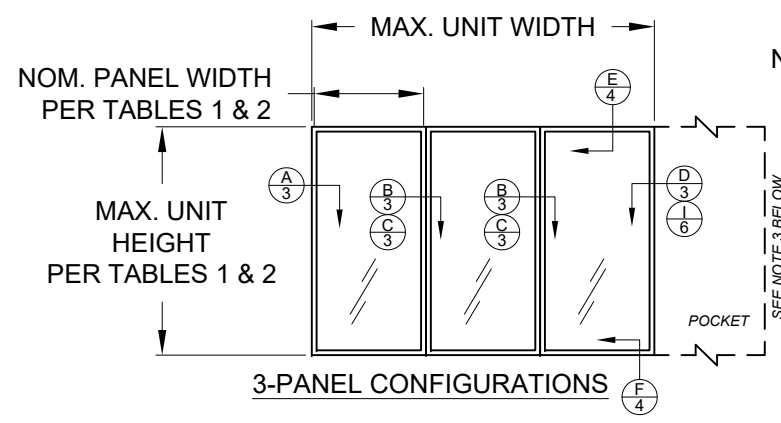
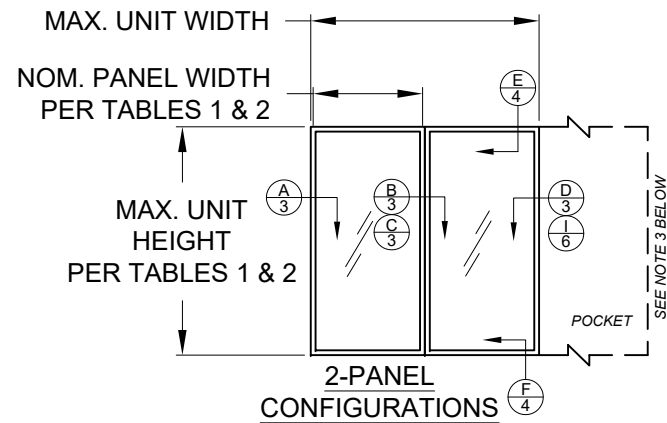
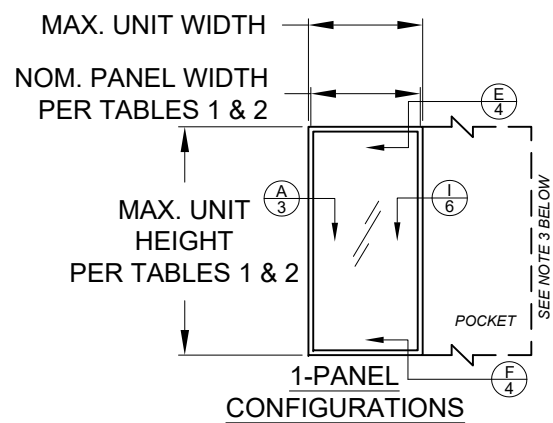
INSTRUCTIONS:

- 1) KNOWING THE REQUIRED ALLOWABLE STRESS DESIGN PRESSURE OF THE OPENING, THE ANCHOR REQUIREMENTS FOR THE SLIDING GLASS DOORS MAY BE DETERMINED FROM DESIGN PRESSURE TABLES 1, 2 OR 3, DEPENDING ON THE GLASS/REINFORCEMENT.
- 2) LOCATE THE SLIDING GLASS DOOR SIZE ON THE TABLE, USING THE FRAME HEIGHT AND THE NOMINAL PANEL WIDTH IF YOUR EXACT SIZE IS NOT LISTED, ROUND UP TO THE NEXT GREATER LISTED WIDTH AND/OR HEIGHT.
- 3) CHOOSE WHICH ANCHOR GROUP (A-D) IS MOST APPLICABLE. ANCHORS ARE DEFINED IN TABLE A, THIS SHEET, ALONG WITH THE CORRESPONDING SUBSTRATE, MINIMUM EMBEDMENT AND MINIMUM EDGE DISTANCE.
- 4) FROM THE DESIGN PRESSURE TABLES (TABLES 1, 2 OR 3), VERIFY THAT THE DESIGN PRESSURE REQUIRED FOR THE OPENING IS MET OR EXCEEDED. USE THE ANCHOR QUANTITIES SHOWN.
- 5) INSTALL AS PER THE GUIDELINES OF THIS SHEET-SET, ADDITIONALLY, SEE THE EXAMPLE ON SHEET 11.

DESIGN PRESSURE RATING VARIES, SEE SHEETS 7 & 8
WATER TEST PRESSURE 15% OF THE (+) DP UNLESS NOTED OTHERWISE
IMPACT RATING LARGE AND SMALL MISSILE IMPACT RESISTANT MISSILE LEVEL D, WIND ZONE 4

PGT [®] WINDOWS and DOORS 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		VINYL SLIDING GLASS DOOR		09/09/26		Date	
PREPARED BY A. LYNN MILLER 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		COPYRIGHT © 2026 PGT INDUSTRIES, LLC LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.							
SGD5570		Sheet		1 OF 22		DWG No.		JENS ROSOWSKI	
Series		Desc.		GENERAL NOTES		Drawn By			
SGD5570-LM-HVHZ									





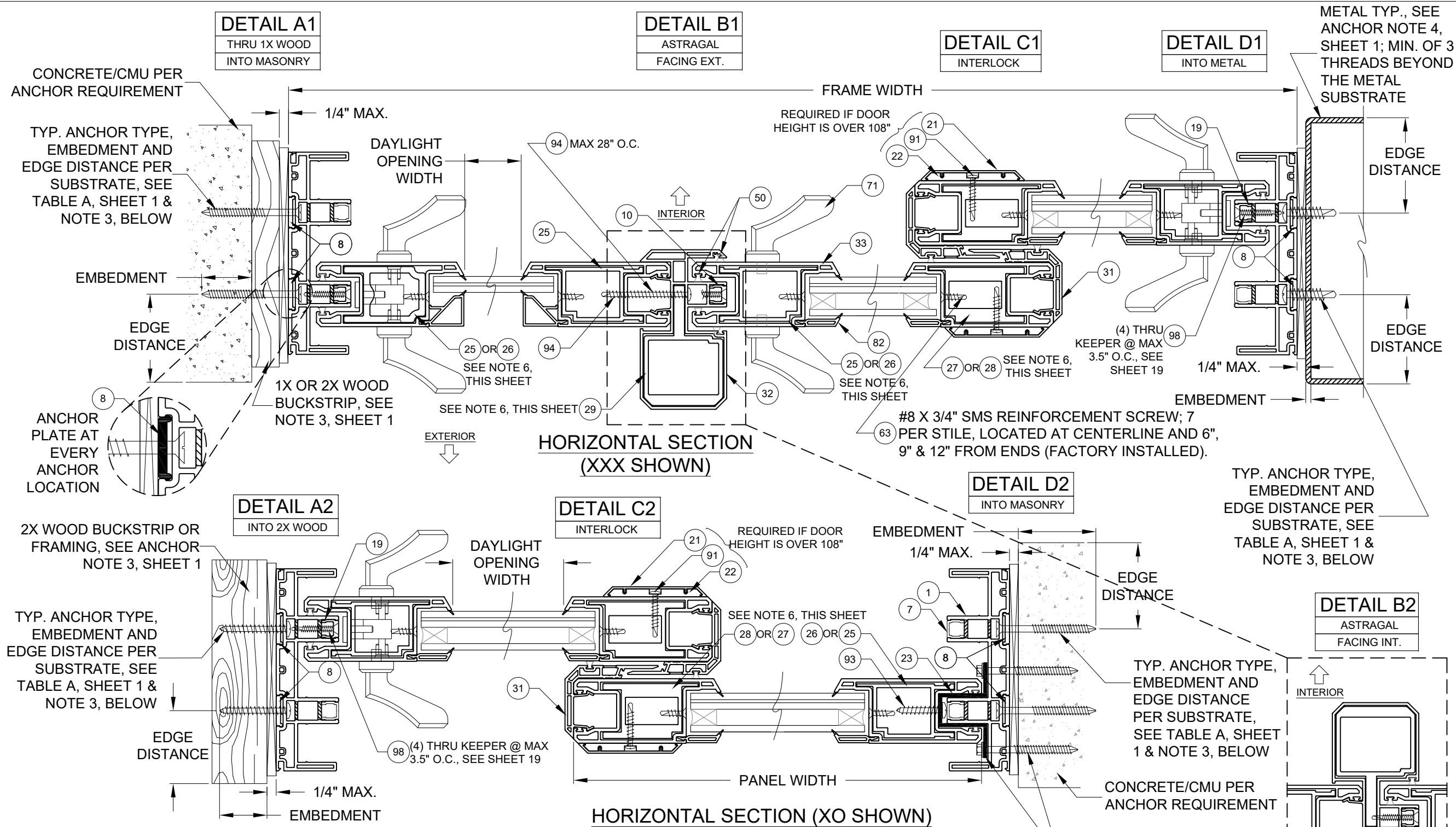
CONFIGURATIONS NOTES:

- 1) ALL CONFIGURATIONS SHOWN ARE ALSO AVAILABLE AS POCKET CONFIGURATIONS AT EITHER OR BOTH JAMB LOCATIONS. EXAMPLE: 4-PANEL XXXX IN POCKET (p) CONFIGURATION CAN BE pXXXXp, pXXXX OR XXXXp. OXXX IN POCKET CONFIGURATION CAN BE OXXXp.
- 2) 90° & 135° CORNER CONFIGURATIONS ARE A COMBINATION OF ANY 2 STRAIGHT CONFIGURATIONS.
- 3) POCKET WALL OR CAVITY IS NOT PART OF THIS APPROVAL AND IS TO BE DESIGNED BY OTHERS AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION.
- 4) FOR NOM. PANEL WIDTH, SEE TABLES 1, 2 & 3.
- 5) MAX. ALLOWABLE FRAME SQUARE FOOTAGE = 472.656 FT²

"X" = OPERABLE PANEL
 "O" = INOPERABLE PANEL
 "p" = POCKET

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VINYL SLIDING GLASS DOOR EXAMPLE CONFIGURATIONS		Date 09/09/26	Drawn JENS ROSOWSKI
Series SGD5570	Desc. 2 OF 22	DWG 2 OF 22	No. SGD5570-LM-HVHZ

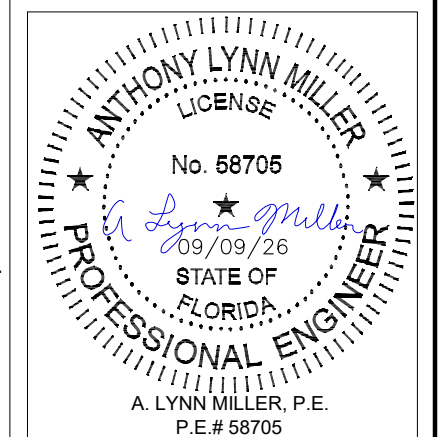
ANTHONY LYNN MILLER
 LICENSE
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 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.# 58705

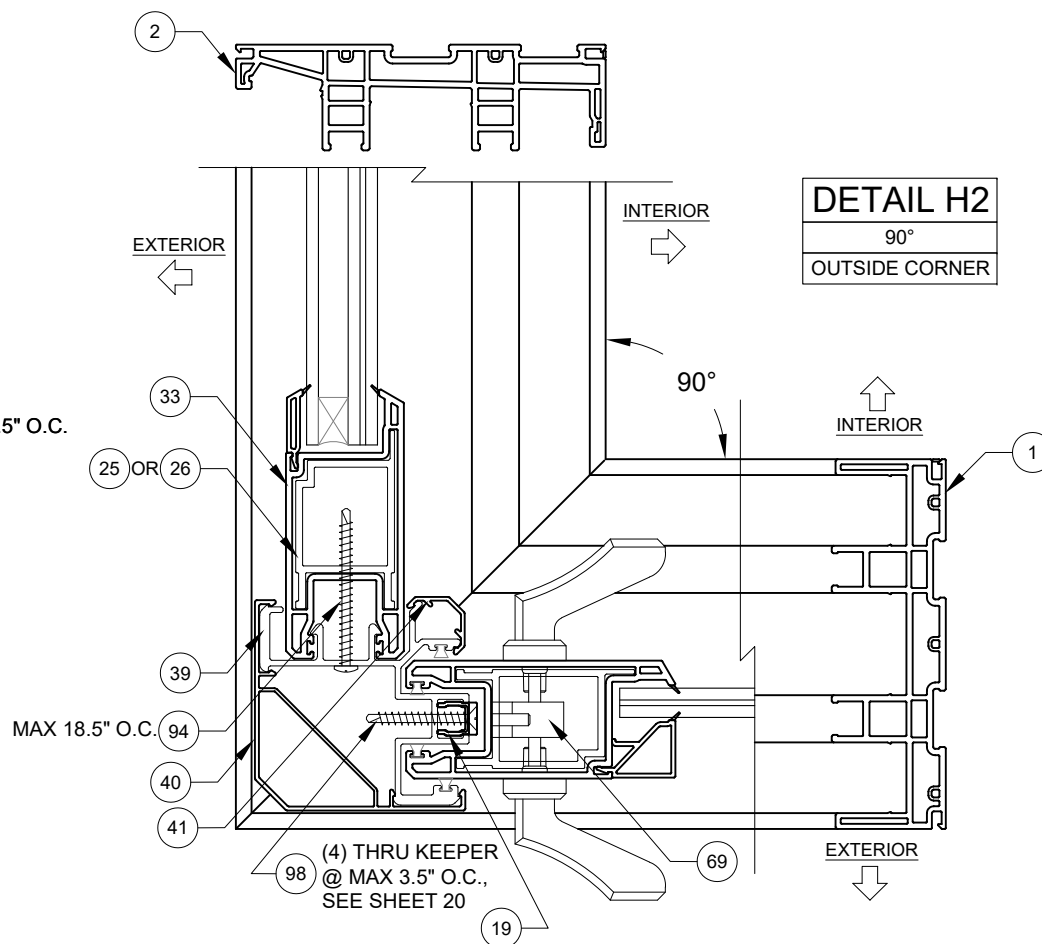
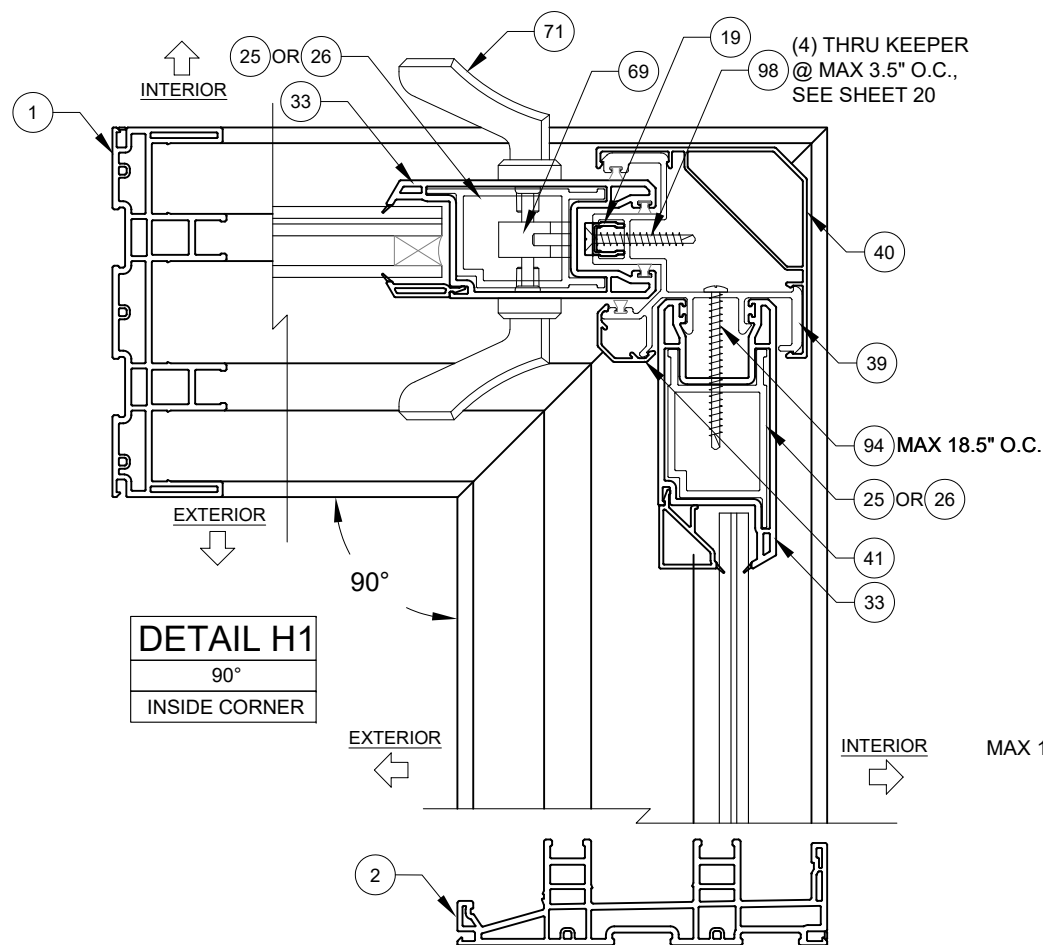
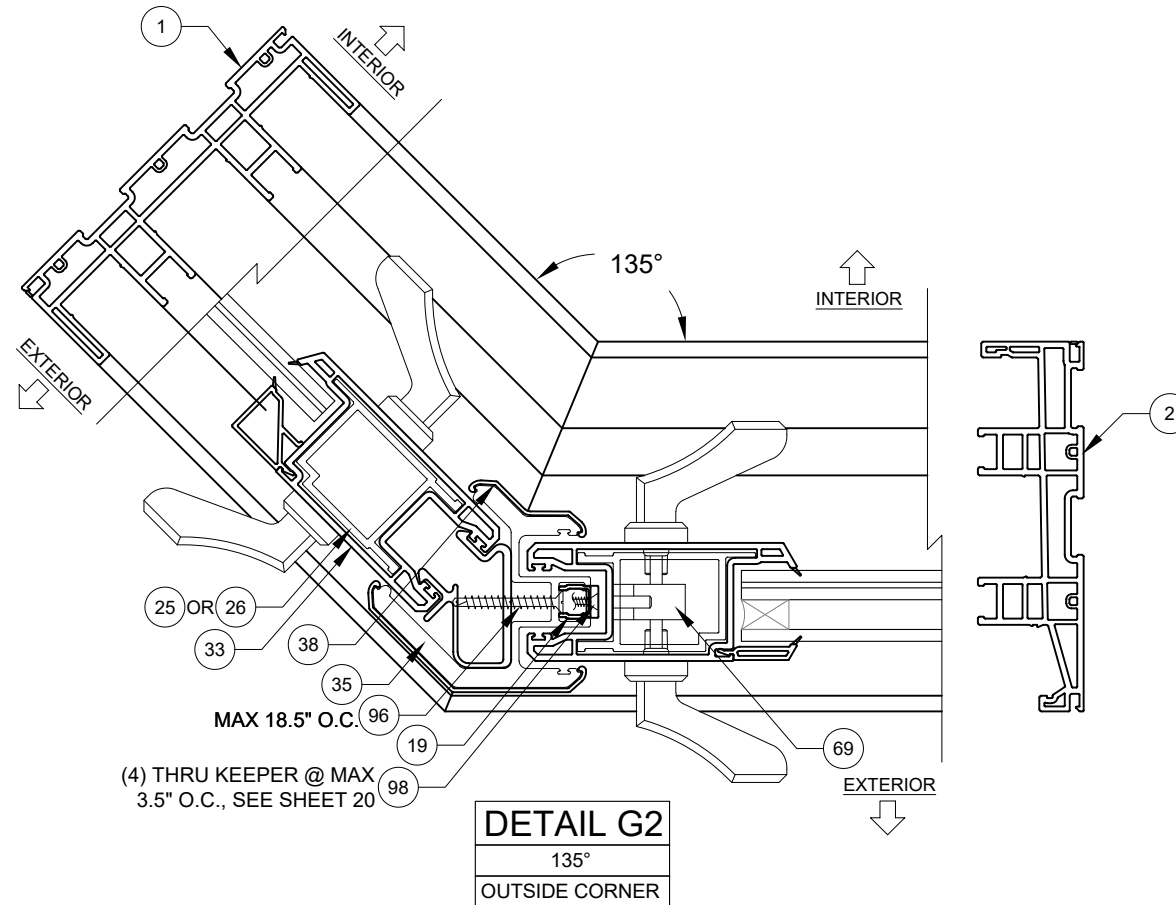
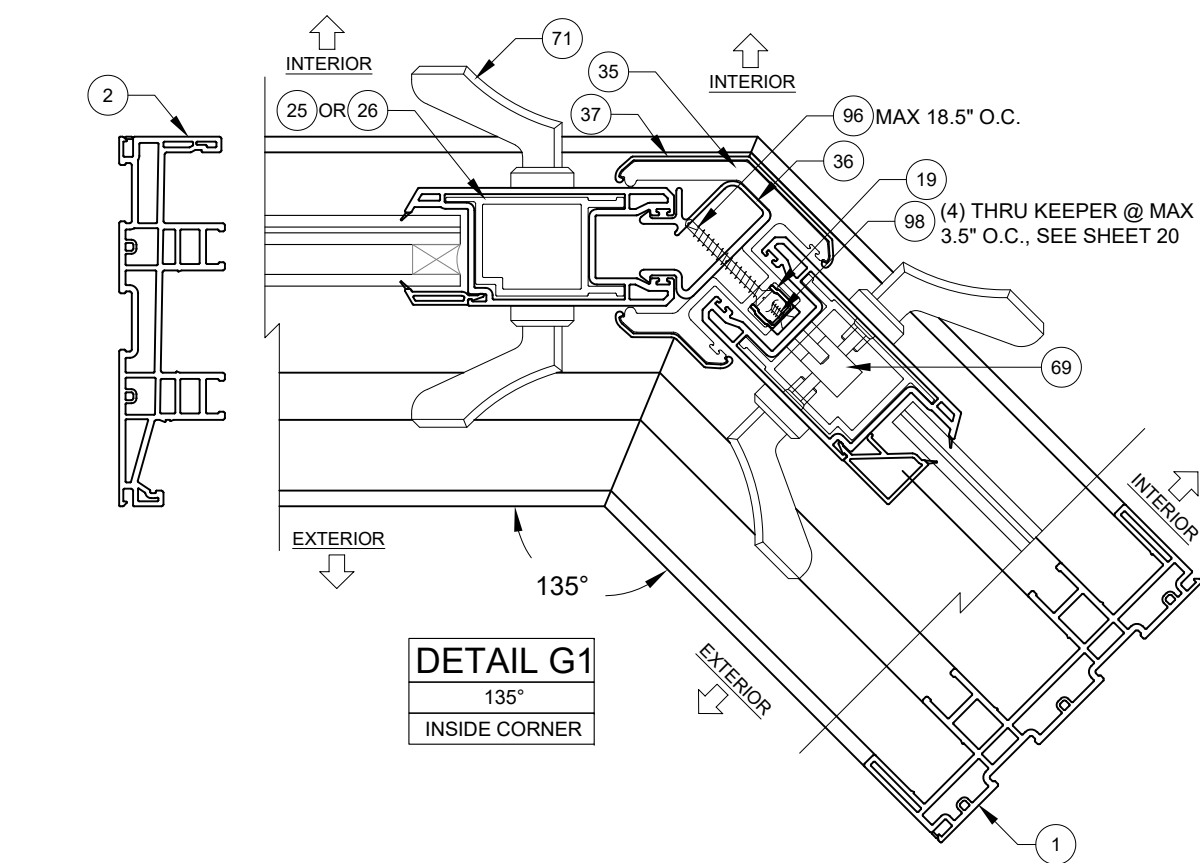


NOTES

- 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
- 2) REFER TO ANCHOR NOTES, SHEET 1.
- 3) SEE SHEET 14 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 1, 2 & 3.
- 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 TABLES 1, 2 & 3 FOR REINFORCEMENT REQUIREMENTS. ALL REINFORCEMENTS ARE APPROXIMATELY THE FULL LENGTH OF THE EXTRUSION. REFER TO TEST REPORTS FOR EXACT DIMENSIONS.
- 7) SEE SHEET 21 FOR SCREEN DETAILS.

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	VINYL SLIDING GLASS DOOR Title		3 OF 22 Sheet	HORIZONTAL CROSS SECTIONS Desc.	SGD5570 Series
	HORIZONTAL CROSS SECTIONS		3 OF 22	SGD5570	3 OF 22



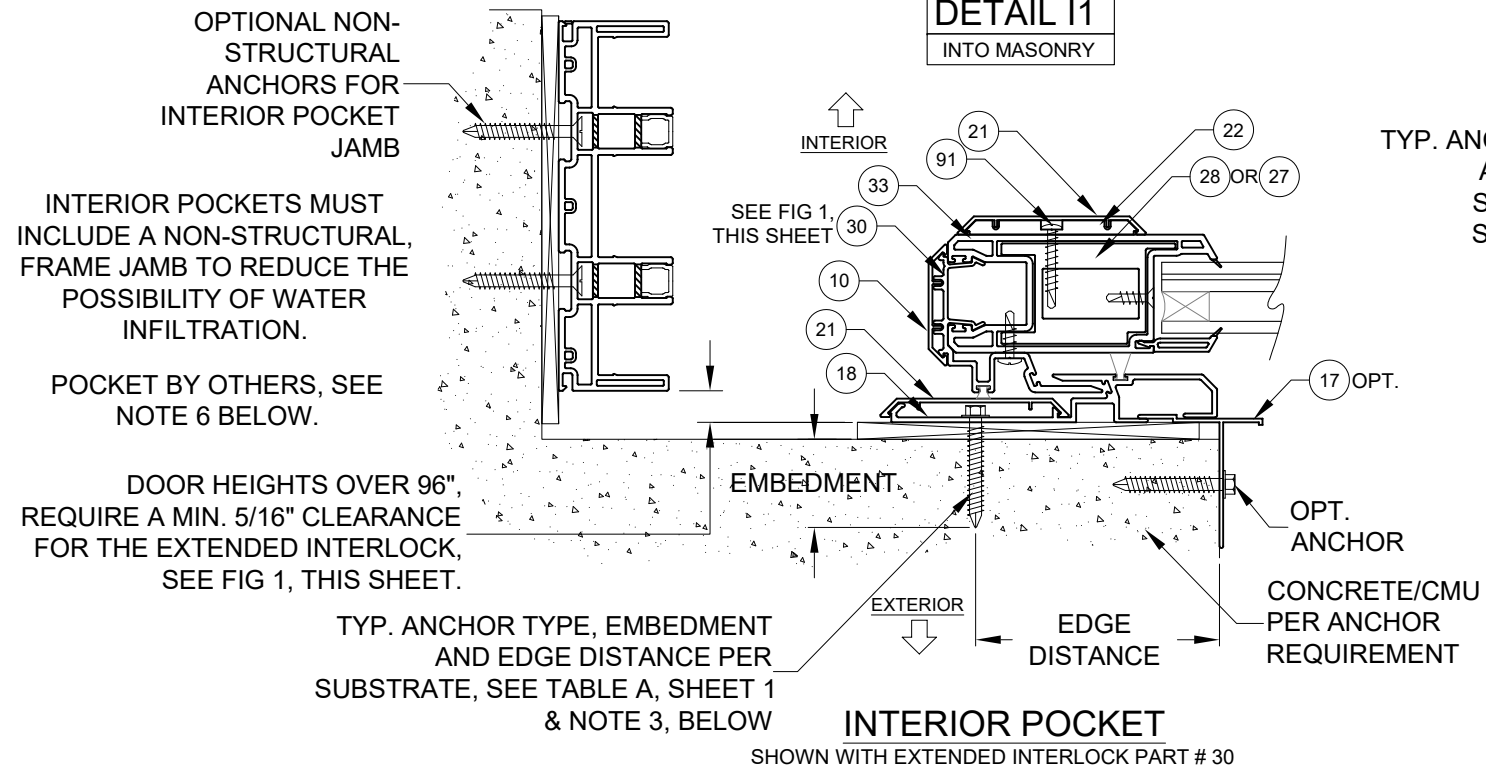


- NOTES
- 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
 - 2) SEE SHEETS 15 & 16 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 1, 2 & 3.
 - 3) CORNER ASTRAGAL MAY BE EITHER TO THE INTERIOR OR EXTERIOR, DEPENDING ON CONFIGURATION.

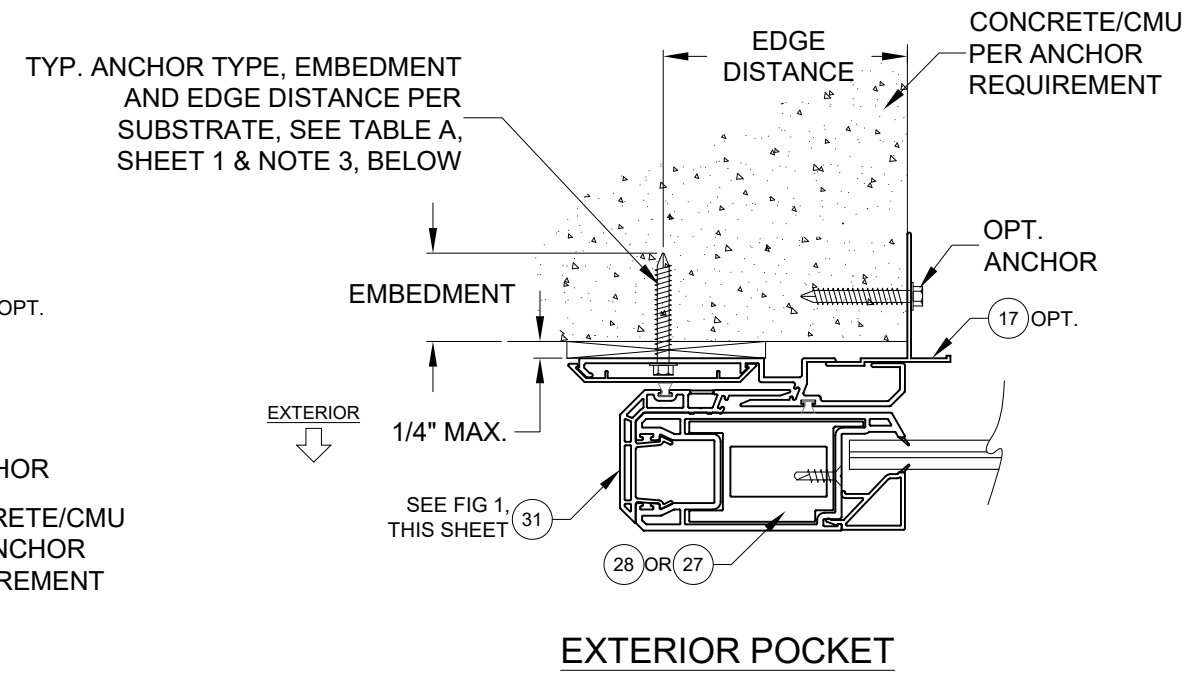
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VINYL SLIDING GLASS DOOR CORNER HORIZ. X-SECTION		Date 09/09/26	Drawn JENS ROSOWSKI
Series SGD5570	Sheet 5 OF 22	DWG No.	Title SGD5570-LM-HVHZ

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 P.E.# 58705

DETAIL I1
INTO MASONRY

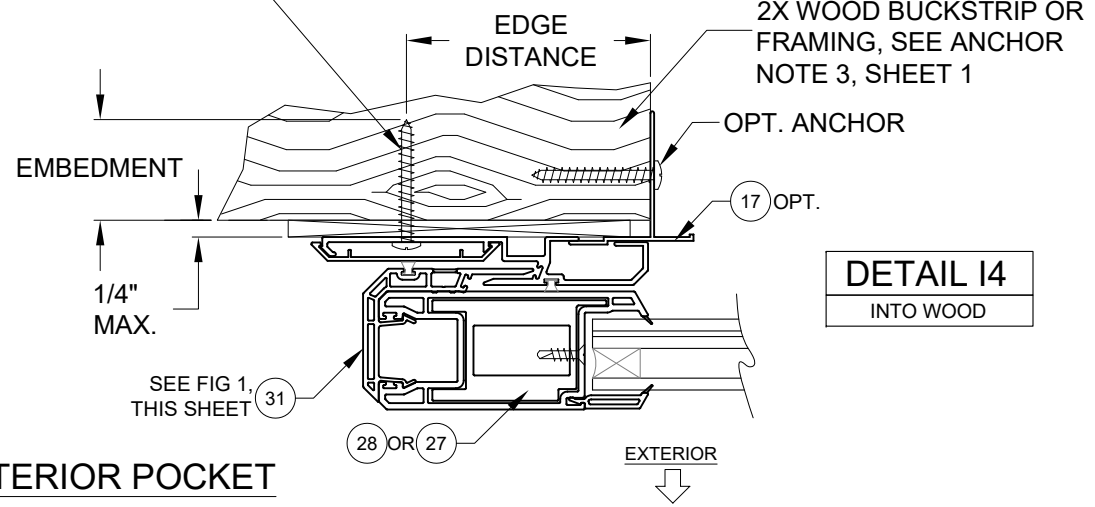


DETAIL I2
INTO MASONRY



EXTERIOR POCKET

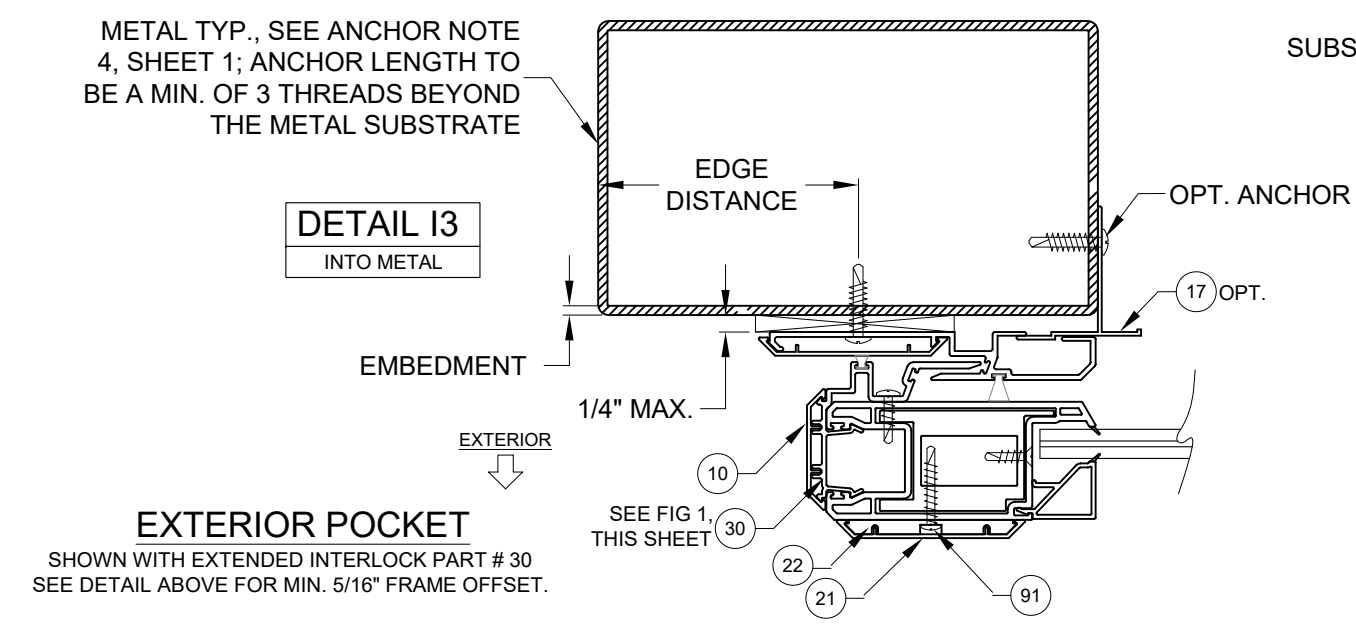
TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE A, SHEET 1 & NOTE 3, BELOW



DETAIL I4
INTO WOOD

EXTERIOR POCKET

DETAIL I3
INTO METAL

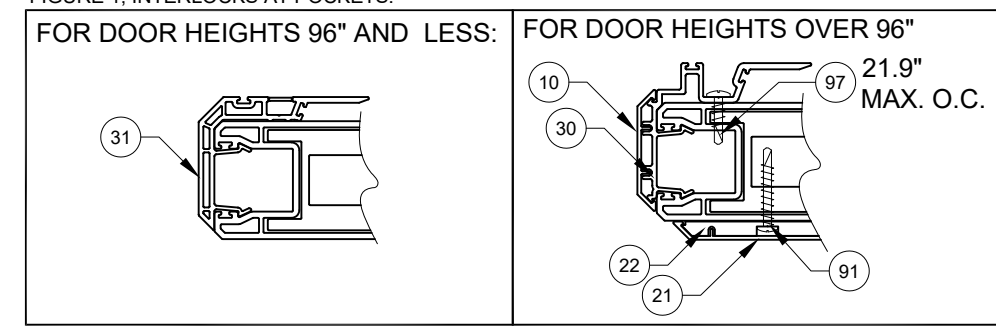


EXTERIOR POCKET

SHOWN WITH EXTENDED INTERLOCK PART # 30
SEE DETAIL ABOVE FOR MIN. 5/16" FRAME OFFSET.

- NOTES**
- 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
 - 2) REFER TO ANCHOR NOTES, SHEET 1.
 - 3) SEE SHEET 14 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 1, 2 & 3.
 - 4) SEE TABLES 1, 2 & 3 FOR REINFORCEMENT REQUIREMENTS.
 - 5) INTERIOR OR EXTERIOR POCKETS APPLICABLE FOR ALL INSTALLATION METHODS.
 - 6) POCKET WALL OR CAVITY IS NOT PART OF THIS APPROVAL AND IS TO BE DESIGNED BY OTHERS AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

FIGURE 1, INTERLOCKS AT POCKETS:



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VINYL SLIDING GLASS DOOR POCKET HORIZ. X-SECTION					

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STATE OF FLORIDA
PROFESSIONAL ENGINEER
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P.E.# 58705

TABLE 1:

Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheet 2)															
Use this table for: Glass Types 1, 1A, 3, 3A or 7 Astragal Reinforcement #29 Lockstile Reinforcement #25 or #26 Std. Interlock Reinforcement #27				Door Unit Height											
				80"				84"				96"			
				68-15/16" DLO Height				72-15/16" DLO Height				84-15/16" DLO Height			
				Anchor Group				Anchor Group				Anchor Group			
				A	B	C	D	A	B	C	D	A	B	C	D
Nominal Panel Width	24"	16-5/8" DLO Width	Design Pressure	+60 / -60 psf				+60 / -60 psf				+60 / -60 psf			
			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	7	7	7	7	7	7	7	7	8	8	8	8
	30"	22-5/8" DLO Width	Design Pressure	+60 / -60 psf				+60 / -60 psf				+60 / -60 psf			
			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	7	7	7	7	7	7	7	7	8	8	8	8
	36"	28-5/8" DLO Width	Design Pressure	+60 / -60 psf				+60 / -60 psf				+60 / -60 psf			
			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	7	7	7	7	7	7	7	7	8	8	8	8
	42"	34-5/8" DLO Width	Design Pressure	+60 / -60 psf				+60 / -60 psf				+60 / -60 psf			
			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	7	7	7	7	7	7	7	7	8	8	8	8
	48"	40-5/8" DLO Width	Design Pressure	+60 / -60 psf				+60 / -60 psf				+60 / -60 psf			
			Head/Sill	C3+2	C3+1	C3+1	C3+1	C3+2	C3+1	C3+1	C3+1	C5+2	C3+1	C3+1	C3+1
			Jamb	5	5	5	5	5	5	5	5	5	5	6	5
			P-hook	7	7	7	7	7	7	7	7	8	8	8	8

USED IN EXAMPLE ON SHEET 9

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

THE MAXIMUM DP AT THESE ANCHOR QUANTITIES. ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE B1, THIS SHEET.

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

TOTAL # OF ANCHORS THROUGH THE JAMB.

THE # OF ANCHORS REQUIRED THROUGH THE P-HOOK, PERPENDICULAR TO THE GLASS.

TABLE 2A:

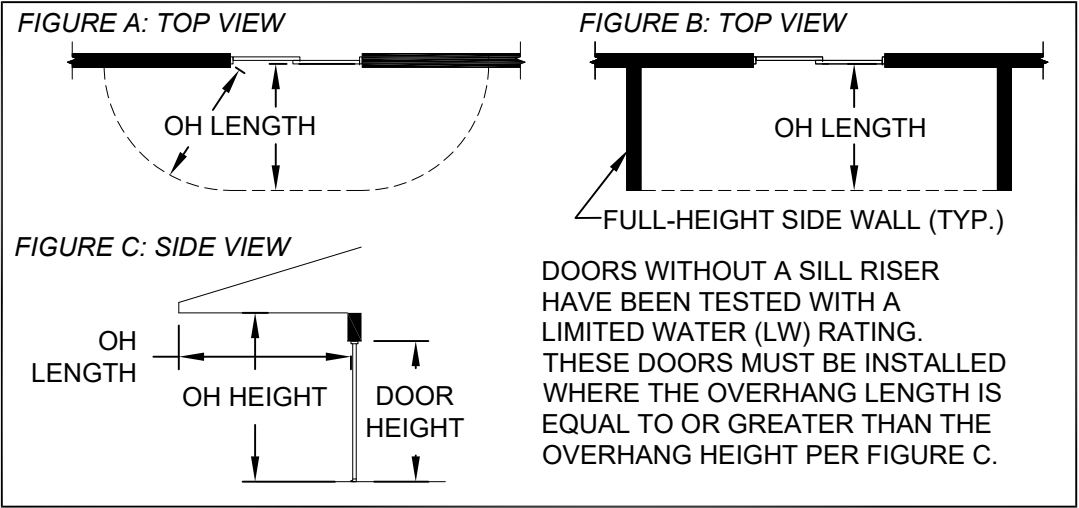
Max. (+) DP per Riser Type		
Sill Riser #	Sill Riser Height*	(+) Design Pressure, psf
None	1-11/16"	see notes
42	2-1/2"	+ 38.7
43	3-1/2"	+ 60.0
44	4-1/16"	+ 60.0
45	4-5/8"	+ 60.0

* SEE SHEET 4

NOTES:

- 1) IF THE DOOR'S LOCATION COMPLIES WITH THE LIMITED WATER (LW) OVERHANG DETAIL (THIS SHEET), A SILL RISER IS NOT REQUIRED AND THE POSITIVE DESIGN PRESSURES FROM TABLE 1 MAY BE USED.
- 2) IF THE DOOR'S LOCATION DOES NOT COMPLY WITH THE LIMITED WATER (LW) OVERHANG DETAIL, THEN A SILL RISER IS REQUIRED AND THE POSITIVE DESIGN PRESSURE WILL BE LIMITED BY THE CORRESPONDING VALUES IN TABLE 1A.
- 3) REFER TO THE NOTES ON SHEET 1 & ENCLOSED SHEETS FOR FOR ANCHORAGE SPACING, EDGE DISTANCE AND EMBEDMENT INFORMATION.
- 4) JAMB ANCHORS ARE SPECIFIED AS THE TOTAL QUANTITY, DIVIDE BY 2 FOR PAIRS TO BE INSTALLED.

LIMITED WATER (LW) OVERHANG DETAIL:



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PGT [®] WINDOWS and DOORS 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		VINYL SLIDING GLASS DOOR		DP & ANCHOR QUANTITY TABLE		7 OF 22	Sheet
SGD5570		SGD5570		SGD5570		SGD5570		SGD5570	

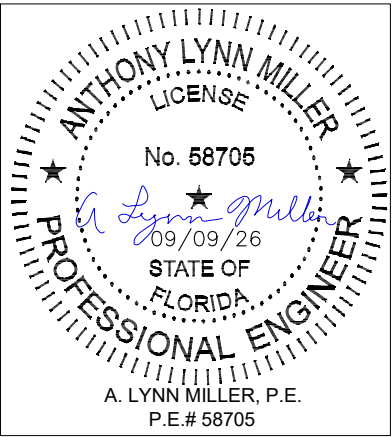


TABLE 2:

Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheet 2)																							
Use this table for: Glass Types 2 or 4 Astragal Reinforcement #29 Lockstile Reinforcement #25 HD Interlock Reinforcement #28				Door Unit Height																			
				80"				84"				96"				108"				120"			
				68-15/16" DLO Height				72-15/16" DLO Height				84-15/16" DLO Height				96-15/16" DLO Height				108-15/16" DLO Height			
				Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group			
				A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
Nominal Panel Width	24"	16-5/8" DLO Width	Design Pressure	+100 / -100 psf				+100 / -100 psf				+100 / -100 psf				+60 / -65 psf				+60 / -65 psf			
			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	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	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
	30"	22-5/8" DLO Width	Design Pressure	+100 / -100 psf				+100 / -100 psf				+100 / -100 psf				+60 / -65 psf				+60 / -65 psf			
			Head/Sill	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C3+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	6	5	5	5	7	5	6	6	6	6	6	6	6	6
			P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
	36"	28-5/8" DLO Width	Design Pressure	+100 / -100 psf				+100 / -100 psf				+100 / -100 psf				+60 / -65 psf				+60 / -65 psf			
			Head/Sill	C5+2	C3+1	C5+1	C3+1	C5+2	C3+1	C5+1	C3+1	C5+2	C5+1	C5+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C5+1	C3+1
			Jamb	5	5	6	5	5	5	6	5	5	5	7	5	6	6	6	6	6	6	6	6
			P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
	42"	34-5/8" DLO Width	Design Pressure	+100 / -100 psf				+100 / -100 psf				+100 / -100 psf				+60 / -65 psf				+60 / -65 psf			
			Head/Sill	C5+2	C3+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1	C5+1	C3+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1
			Jamb	5	5	7	5	5	5	7	5	5	5	8	5	6	6	6	6	6	7	6	6
			P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
	48"	40-5/8" DLO Width	Design Pressure	+100 / -100 psf				+100 / -100 psf				+92 / -92 psf *				+60 / -65 psf				+60 / -65 psf			
			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	C3+1	C5+2	C3+1	C5+2	C5+1	C5+2	C3+1
			Jamb	5	5	7	5	5	5	8	5	5	5	9	5	6	6	7	6	6	6	8	6
			P-hook	7	7	7	7	7	7	8	8	8	8	9	9	9	9	9	9	10	10	10	10
	54"	46-5/8" DLO Width	Design Pressure	+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+60 / 65 psf				+54.1 / -58.7 psf			
			Head/Sill	C5+2	C3+2	C5+2	C3+2	C5+2	C3+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+2	C5+2
			Jamb	5	5	6	5	5	5	7	5	5	5	8	5	6	6	8	6	6	6	8	6
			P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
	60"	52-5/8" DLO Width	Design Pressure	+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+59.1 / -64 psf				+49.6 / -53.7 psf			
			Head/Sill	C5+3	C3+2	C5+3	C3+2	C5+3	C3+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2
			Jamb	5	5	6	5	5	5	7	5	5	5	8	5	6	6	8	6	6	6	8	6
			P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10

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

THE MAXIMUM DP AT THESE ANCHOR QUANTITIES. ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE B2, THIS SHEET.

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

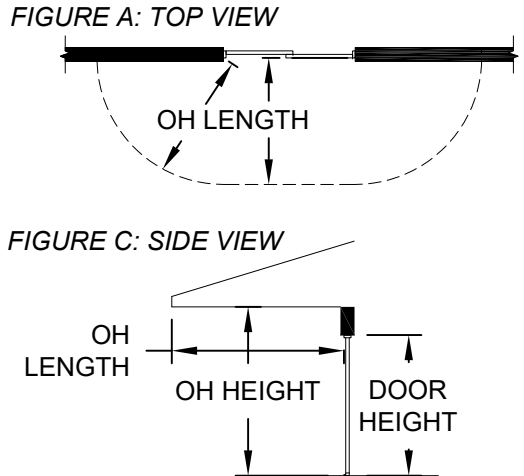
TOTAL # OF ANCHORS THROUGH THE JAMB.

THE # OF ANCHORS REQUIRED THROUGH THE P-HOOK, PERPENDICULAR TO THE GLASS.

Max. (+) DP per Riser Type		
Sill Riser #	Sill Riser Height*	(+) Design Pressure, psf
None	1-11/16"	see notes
42	2-1/2"	+ 38.7
43	3-1/2"	+ 60.0
44	4-1/16"	+ 80.0
45	4-5/8"	+ 80.0

* SEE SHEET 4

- NOTES:
- 1) IF THE DOOR'S LOCATION COMPLIES WITH THE LIMITED WATER (LW) OVERHANG DETAIL (THIS SHEET), A SILL RISER IS NOT REQUIRED AND THE POSITIVE DESIGN PRESSURES FROM TABLE 2 MAY BE USED.
- 2) IF THE DOOR'S LOCATION DOES NOT COMPLY WITH THE LIMITED WATER (LW) OVERHANG DETAIL, THEN A SILL RISER IS REQUIRED AND THE POSITIVE DESIGN PRESSURE WILL BE LIMITED BY THE CORRESPONDING VALUES IN TABLE 2A.
- 3) REFER TO THE NOTES ON SHEET 1 & ENCLOSED SHEETS FOR FOR ANCHORAGE SPACING, EDGE DISTANCE AND EMBEDMENT INFORMATION.
- 4) JAMB ANCHORS ARE SPECIFIED AS THE TOTAL QUANTITY, DIVIDE BY 2 FOR PAIRS TO BE INSTALLED.



LIMITED WATER (LW) OVERHANG DETAIL:

DOORS WITHOUT A SILL RISER HAVE BEEN TESTED WITH A LIMITED WATER (LW) RATING. THESE DOORS MUST BE INSTALLED WHERE THE OVERHANG LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT PER FIGURE C.

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3400 PRECISION DRIVE
N. VENICE, FL 34275
(941) 480-1600
REGISTRATION #29296

09/09/26
Date

09/09/26
Drawn

VINYL SLIDING GLASS DOOR
DP & ANCHOR QUANTITY TABLE

SGD5570-LM-HVHZ

8 OF 22

SGD5570

ANTHONY LYNN MILLER
LICENSE
No. 58705
09/09/26
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 3:

Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheet 2)																							
Use this table for: Glass Types 8 or 9 Astragal Reinforcement #29 Lockstile Reinforcements, #25 HD Interlock Reinforcement, # 28				Door Unit Height																			
				80"				84"				96"				108"				120"			
				68-15/16" DLO Height				72-15/16" DLO Height				84-15/16" DLO Height				96-15/16" DLO Height				108-15/16" DLO Height			
				Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group			
				A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
Nominal Panel Width	24"	19-1/8" DLO Width	Design Pressure	+80 / -90 psf				+80 / -90 psf				+80 / -90 psf				+60 / -65 psf				+60 / -65 psf			
			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	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
	30"	25-1/8" DLO	Design Pressure	+80 / -90 psf				+80 / -90 psf				+80 / -90 psf				+60 / -65 psf				+60 / -65 psf			
			Head/Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+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	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
	36"	31-1/8" DLO Width	Design Pressure	+80 / -90 psf				+80 / -90 psf				+80 / -90 psf				+60 / -65 psf				+60 / -65 psf			
			Head/Sill	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C5+1	C3+1	C5+1	C3+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	6	5	5	5	7	5	6	6	6	6	6	6	6	6
			P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
	42"	37-1/8" DLO Width	Design Pressure	+80 / -90 psf				+80 / -90 psf				+80 / -90 psf				+60 / -65 psf				+60 / -65 psf			
			Head/Sill	C5+2	C3+1	C5+2	C3+1	C5+2	C3+1	C5+2	C3+1	C5+2	C5+1	C5+2	C3+1	C5+1	C3+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1
			Jamb	5	5	6	5	5	5	6	5	5	5	8	5	6	6	6	6	6	7	6	6
			P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
	48"	43-1/8" DLO Width	Design Pressure	+80 / -90 psf				+80 / -90 psf				+80 / -90 psf				+60 / -65 psf				+60 / -65 psf			
			Head/Sill	C5+2	C3+2	C5+2	C3+1	C5+2	C3+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1	C5+2	C3+1	C5+2	C3+1	C5+2	C5+1	C5+2	C3+1
			Jamb	5	5	6	5	5	5	7	5	5	5	8	5	6	6	7	6	6	8	6	6
			P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
	54"	49-1/8" DLO Width	Design Pressure	+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+60 / -65 psf				+54.1 / -58.7 psf			
			Head/Sill	C5+2	C3+2	C5+2	C3+2	C5+2	C3+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+2	C5+2
			Jamb	5	5	6	5	5	5	7	5	5	5	8	5	6	6	8	6	6	8	6	6
			P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
	60"	55-1/8" DLO Width	Design Pressure	+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+59.1 / -64 psf				+49.6 / -53.7 psf			
			Head/Sill	C5+3	C3+2	C5+3	C3+2	C5+3	C3+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2
			Jamb	5	5	6	5	5	5	7	5	5	5	8	5	6	6	8	6	6	8	6	6
			P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10

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

THE MAXIMUM DP AT THESE ANCHOR QUANTITIES. ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE B2, THIS SHEET.

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

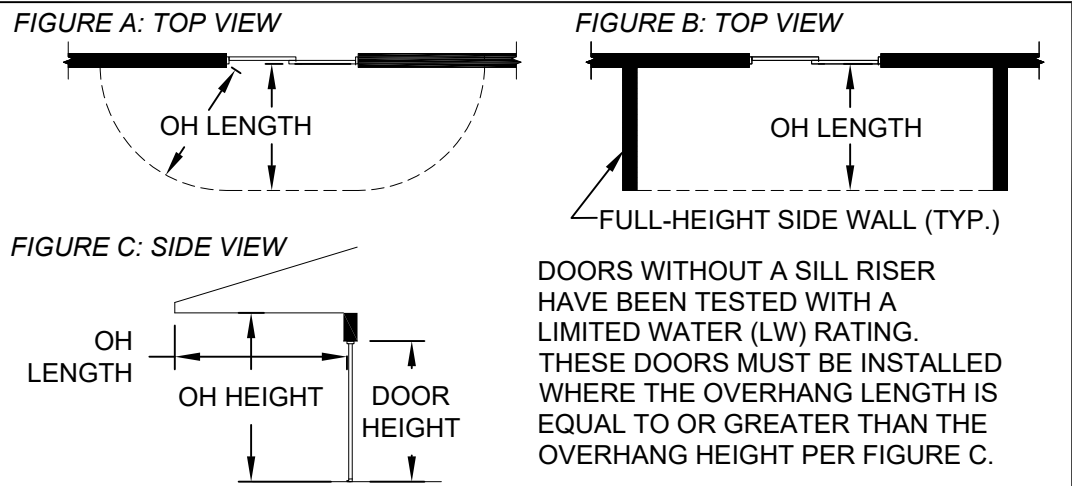
TOTAL # OF ANCHORS THROUGH THE JAMB.

THE # OF ANCHORS REQUIRED THROUGH THE P-HOOK, PERPENDICULAR TO THE GLASS.

TABLE 2A: Max. (+) DP per Riser Type		
Sill Riser #	Sill Riser Height*	(+) Design Pressure, psf
None	1-11/16"	see notes
42	2-1/2"	+ 38.7
43	3-1/2"	+ 60.0
44	4-1/16"	+ 80.0
45	4-5/8"	+ 80.0

* SEE SHEET 4

- NOTES:
- 1) IF THE DOOR'S LOCATION COMPLIES WITH THE LIMITED WATER (LW) OVERHANG DETAIL (THIS SHEET), A SILL RISER IS NOT REQUIRED AND THE POSITIVE DESIGN PRESSURES FROM TABLE 3 MAY BE USED.
- 2) IF THE DOOR'S LOCATION DOES NOT COMPLY WITH THE LIMITED WATER (LW) OVERHANG DETAIL, THEN A SILL RISER IS REQUIRED AND THE POSITIVE DESIGN PRESSURE WILL BE LIMITED BY THE CORRESPONDING VALUES IN TABLE 3A.
- 3) REFER TO THE NOTES ON SHEET 1 & ENCLOSED SHEETS FOR FOR ANCHORAGE SPACING, EDGE DISTANCE AND EMBEDMENT INFORMATION.
- 4) JAMB ANCHORS ARE SPECIFIED AS THE TOTAL QUANTITY, DIVIDE BY 2 FOR PAIRS TO BE INSTALLED.



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WINDOWS and DOORS
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REGISTRATION #29296

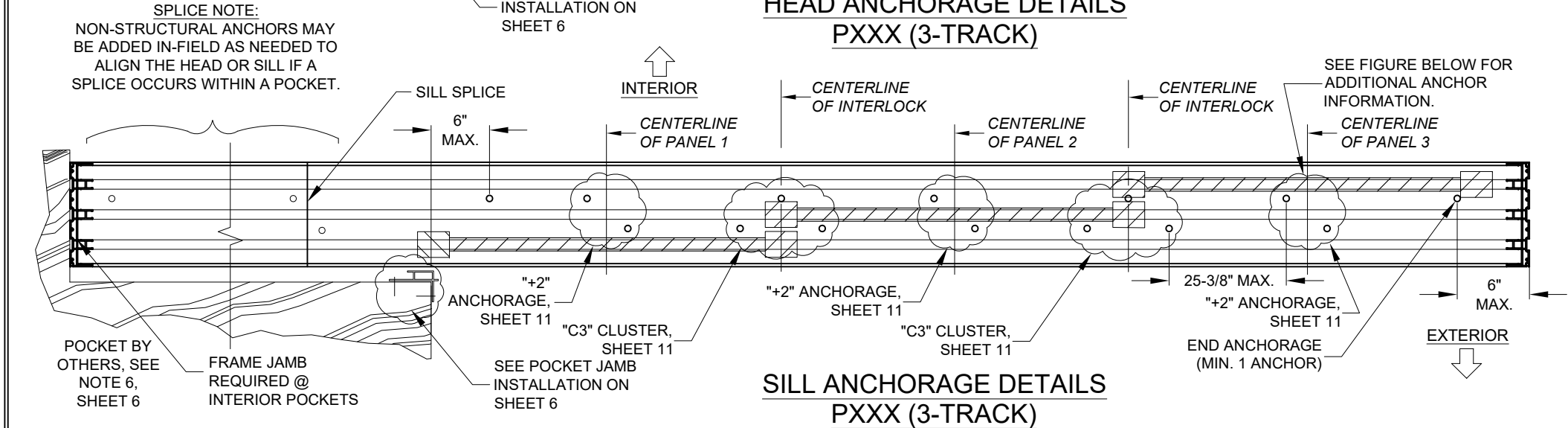
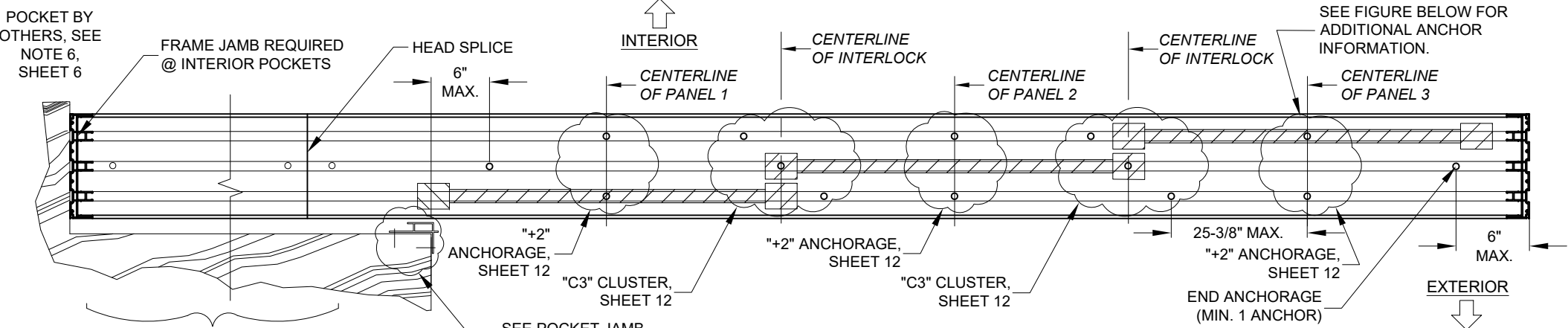
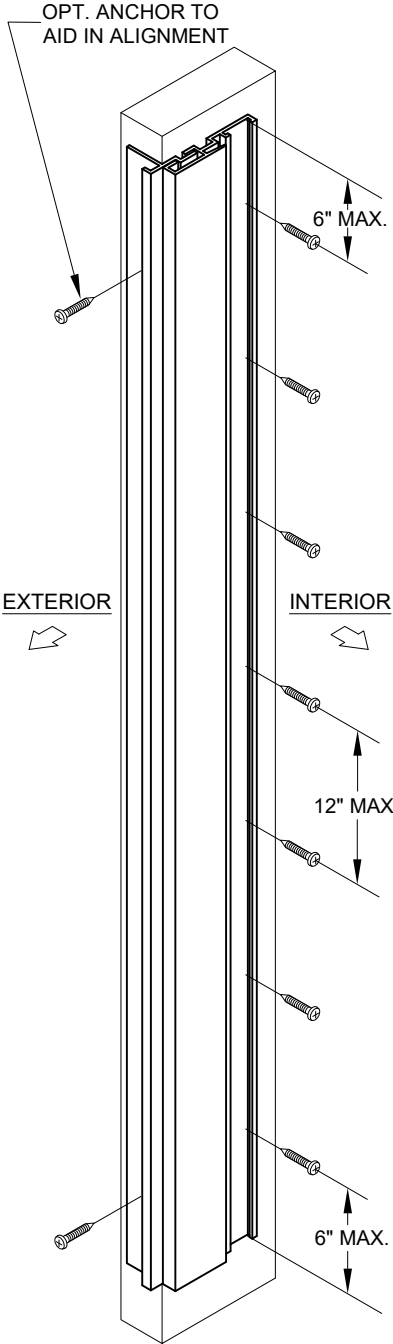
VINYL SLIDING GLASS DOOR
DP & ANCHOR QUANTITY TABLE

09/09/26
JENS ROSOWSKI
9 OF 22
SGD5570

ANTHONY LYNN MILLER
LICENSE
No. 58705
09/09/26
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

SGD5570-LM-HVHZ

EXAMPLE:
3-PANEL, 3 TRACK, STRAIGHT
CONFIGURATION - PXXX,
INTERIOR MOUNT POCKET, 48" X 84"
NOM. PANELS,
LAMINATED, IG GLAZING, ANCHOR
GROUP A IN WOOD SUBSTRATE,
PROJECT DESIGN PRESSURE
REQUIRED: +48.2/-58.6 PSF



1) KNOWING THE PRODUCT'S REQUIREMENTS, SCAN THROUGH TABLES 1, 2 & 3 FOR A DESIGN PRESSURE THAT MEETS OR EXCEEDS THE REQUIREMENT OF +48.2/-58.6 AT A NOM. PANEL SIZE OF 48" X 84". FROM TABLE 1, SHEET 7, THE DESIGN PRESSURE IS +60/-60 WHICH EXCEEDS THE PROJECT DESIGN PRESSURE REQUIREMENTS.

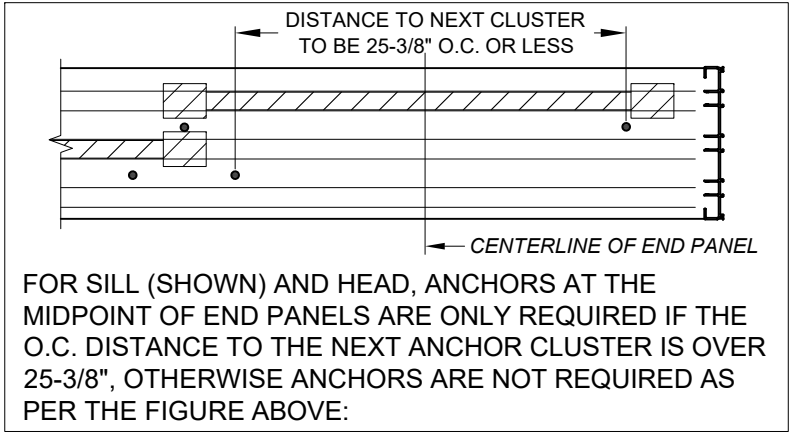
FOR WOOD INSTALLATION USING ANY ANCHOR IN GROUP A (SEE TABLE A), TABLE 1 SHOWS ANCHOR REQUIREMENTS OF:

Head/Sill	C3+2
Jamb	5
P-hook	7

2) ANCHOR LOCATION DETAILS, CAN BE FOUND ON:
HEAD (CLUSTER ANCHORS): SHEET 12 FOR THE "C3" CLUSTER ANCHORS AT THE INTERLOCK/ASTRAGAL.
HEAD (INTERMEDIATE ANCHORS): SHEET 13 FOR THE "+2" ANCHORS AT THE MIDSPAN OF EACH PANEL.
SILL (CLUSTER ANCHORS): SHEET 12 FOR THE "C3" CLUSTER ANCHORS AT THE INTERLOCK/ASTRAGAL.
SILL (INTERMEDIATE ANCHORS): SHEET 12 FOR THE "+2" ANCHORS AT THE MIDSPAN OF EACH PANEL.
JAMB: 5 ANCHORS, SHEET 13 FOR GEN. LAYOUT.
P-HOOK: 7 ANCHORS, SHEET 13 FOR GENERAL LAYOUT.

3) INSTALLATION DETAILS INTO WOOD CAN BE FOUND ON:
HEAD & SILL: SHEET 4
JAMB: SHEET 3
P-HOOK: SHEET 6

END PANEL ANCHOR EXCEPTION:



FOR SILL (SHOWN) AND HEAD, ANCHORS AT THE MIDPOINT OF END PANELS ARE ONLY REQUIRED IF THE O.C. DISTANCE TO THE NEXT ANCHOR CLUSTER IS OVER 25-3/8", OTHERWISE ANCHORS ARE NOT REQUIRED AS PER THE FIGURE ABOVE:

FOR PRODUCT REFERENCES, ALSO SEE:
A) SHEET 2 FOR ALLOWABLE CONFIGURATIONS AND EXACT LOCATIONS OF CROSS-SECTION DRAWINGS.
B) SHEET 11 FOR SPECIFIC GLAZING TYPES.
C) SHEET 18 FOR ALLOWABLE PANEL TYPES AND CALL NAMES.
D) SHEETS 4 & 19 FOR EXTRUSION CROSS-SECTION DRAWINGS.
E) SHEET 20 FOR INSTALLATION OF ADDITIONAL ACCESSORIES.
F) SHEET 22 FOR A BILL OF MATERIALS.

PGT[®] WINDOWS and DOORS

3400 PRECISION DRIVE
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REGISTRATION #29296

PREPARED BY A LYNN MILLER
3400 PRECISION DRIVE
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VINYL SLIDING GLASS DOOR

EXAMPLE

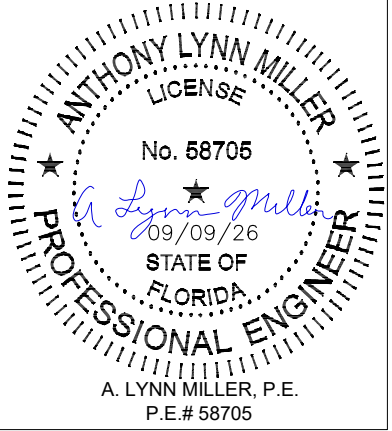
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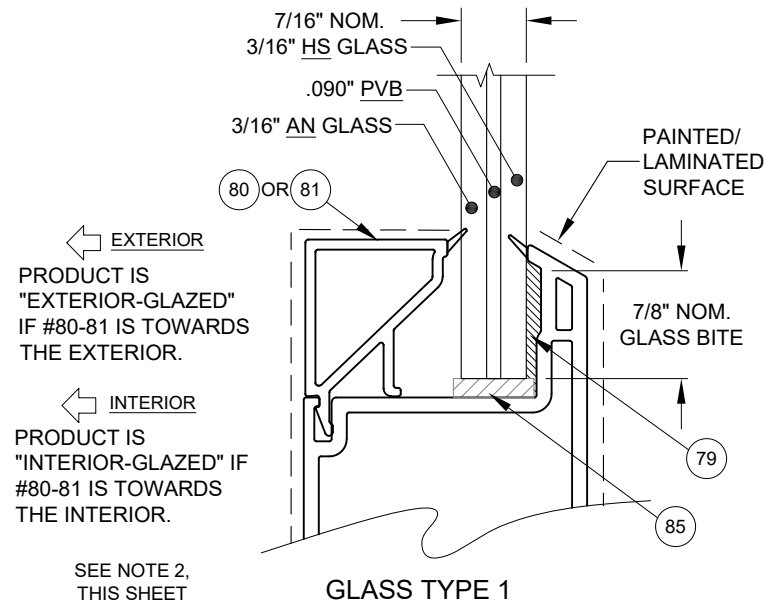
09/09/26

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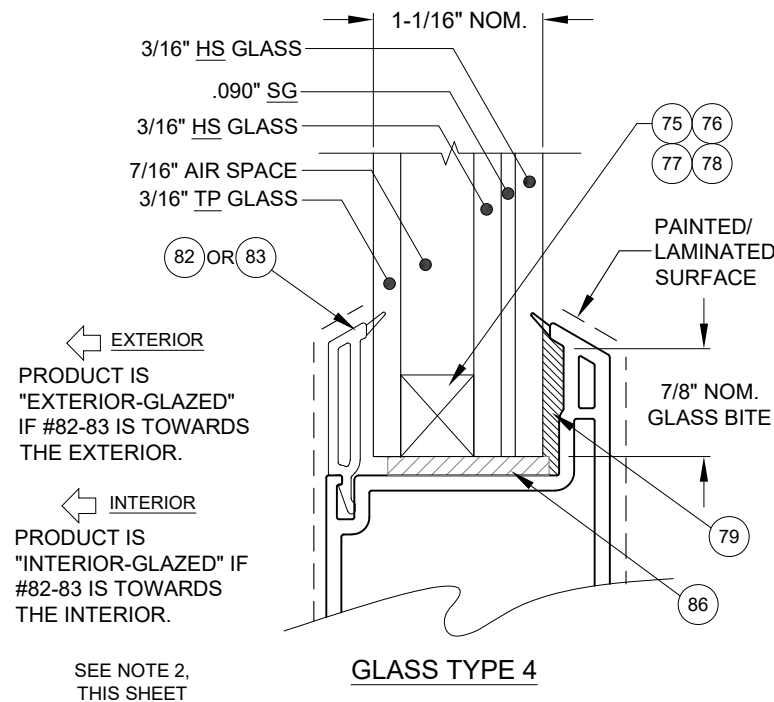
10 OF 22

SGD5570-LM-HVHZ

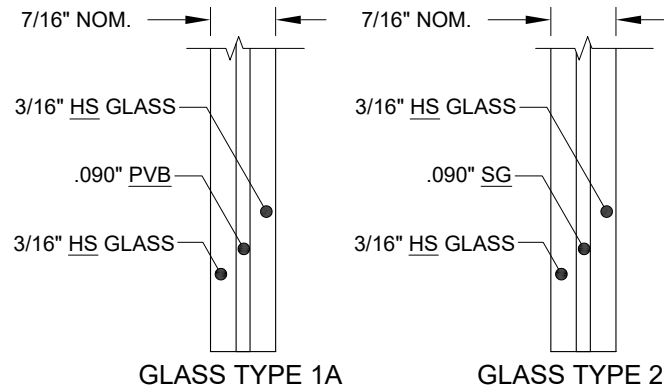




GLASS TYPE 1

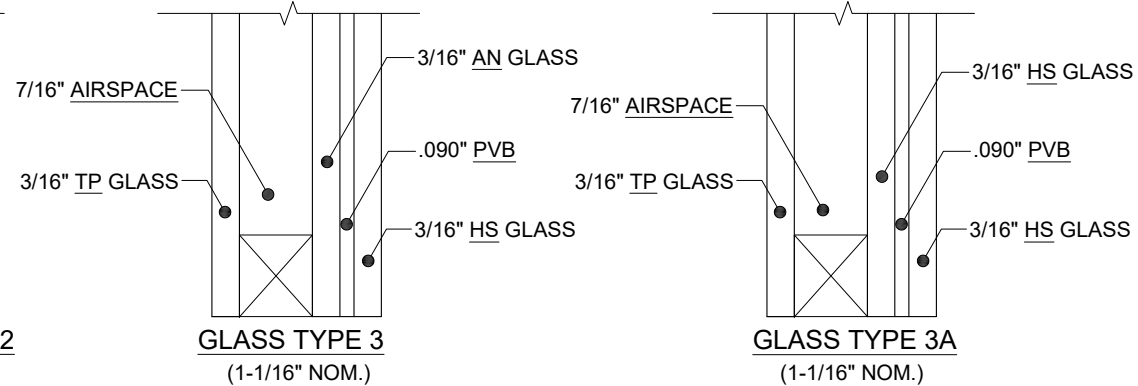


GLASS TYPE 4



GLASS TYPE 1A

GLASS TYPE 2

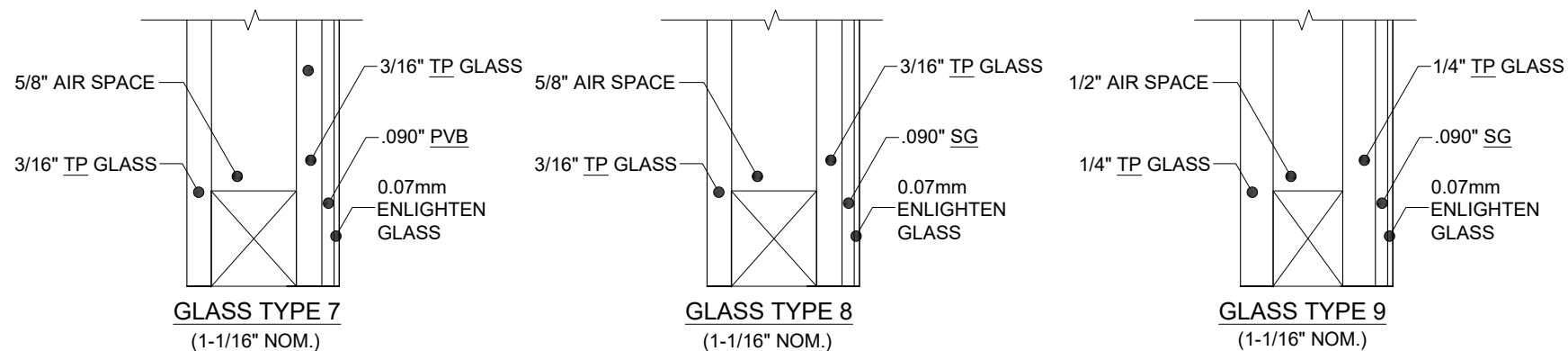


GLASS TYPE 3

(1-1/16" NOM.)

GLASS TYPE 3A

(1-1/16" NOM.)



GLASS TYPE 7

(1-1/16" NOM.)

GLASS TYPE 8

(1-1/16" NOM.)

GLASS TYPE 9

(1-1/16" NOM.)

TABLE B:

Glass Type	Description (Listed from Exterior to Interior)
1	7/16" Lami.: 3/16" AN - .090" PVB - 3/16" HS (Externally-glazed)
1	7/16" Lami.: 3/16" HS - .090" PVB - 3/16" AN (Internally-glazed)
1A	7/16" Lami.: 3/16" HS - .090" PVB - 3/16" HS
2	7/16" Lami.: 3/16" HS - .090" SG - 3/16" HS
3	1-1/16" Lami. I.G.: 3/16" TP - AIR - 3/16" AN - .090" PVB - 3/16" HS (Externally-glazed)
3	1-1/16" Lami. I.G.: 3/16" TP - AIR - 3/16" HS - .090" PVB - 3/16" AN (Internally-glazed)
3A	1-1/16" Lami. I.G.: 3/16" TP - AIR - 3/16" HS - .090" PVB - 3/16" HS
4	1-1/16" Lami. I.G.: 3/16" TP - AIR - 3/16" HS - .090" SG - 3/16" HS
7	1-1/16" Lami. I.G.: 3/16" TP - AIR - 3/16" TP - .090" PVB - 0.70mm Enlighten
8	1-1/16" Lami. I.G.: 3/16" TP - AIR - 3/16" TP - .090" SG - 0.70mm Enlighten
9	1-1/16" Lami. I.G.: 1/4" TP - AIR - 1/4" TP - .090" SG - 0.70mm Enlighten

NOTES:

1) BACKBEDDING SURFACES SHALL NOT BE PAINTED OR LAMINATED.

2) PRODUCT MAY BE EITHER INTERIOR OR EXTERIOR GLAZED, PROVIDED THAT THE "HS" SURFACE OF A LAMINATED GLAZING UNIT IS ADHERED TO THE GLAZING LEG.

"AN" = ANNEALED

"HS" = HEAT STRENGTHENED

"TP" = TEMPERED

"PVB" = TROSIFOL® PVB INTERLAYER BY KURARAY AMERICA, INC.

"SG" = SENTRYGLAS® INTERLAYER BY KURARAY AMERICA, INC.

PGT ® WINDOWS and DOORS 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	PREPARED BY A LYNN MILLER 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600 COPYRIGHT © 2026 PGT INDUSTRIES, LLC LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	Date 09/09/26	By JENS ROSOWSKI	No. SGD5570-LM-HVHZ
	VINYL SLIDING GLASS DOOR		DWG 11 OF 22	Sheet SGD5570
	GLAZING DETAILS			

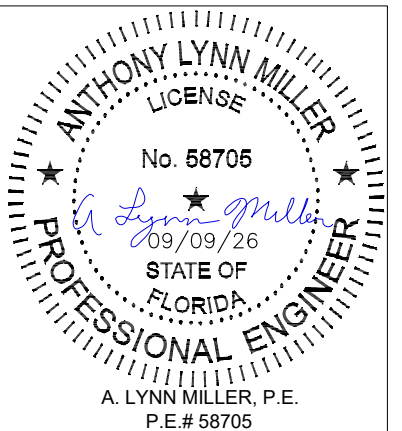


Diagram illustrating the 4" spacing between the centerlines of adjacent interlocking concrete blocks.

Diagram illustrating the 4-inch spacing requirement between the centerline of the astragal or interlock and the centerline of the adjacent panel.

Diagram illustrating the centerline and a 4-inch dimension for the track structure.

Diagram illustrating the dimensions and location of a rectangular hole in a concrete slab. The hole is 4" wide and 3.22" high. The centerline of the hole is marked as the "ASTRAGAL OR INTERLOCK CENTERLINE".

Diagram illustrating the cross-section of a curb and gutter assembly. The diagram shows a curb on the left, labeled "ASTRAGAL OR INTERLOCK CENTERLINE". The gutter width is specified as 4" at the top and 3.22" at the bottom. The gutter is shown with a sloped bottom and a vertical top edge. The diagram also indicates the placement of fasteners or bolts (represented by small circles) within the gutter structure.

Section view of the exterior wall and roof assembly. The roof is shown with a 2.375" thickness. The wall is shown with a 2.375" thickness. The exterior is labeled "EXTERIOR" with a downward arrow.

Head/Sill	C3+1
Jamb	5
P-hook	7

PANEL CENTERLINE

The diagram shows a horizontal line representing a panel centerline. A vertical line intersects it, with an arrow pointing to the intersection labeled "PANEL CENTERLINE". A small circle is located on the horizontal line to the right of the vertical line.

A diagram illustrating the 4-inch spacing between panel centerlines. It shows a vertical line labeled "PANEL CENTERLINE" with arrows pointing to two adjacent panel centerlines, with a dimension line indicating a 4-inch distance between them.

PANEL CENTERLINE

4"

Figure 10 is a technical drawing showing a detail of a panel centerline. It includes a vertical section on the left and a horizontal section on the right. The horizontal section shows a centerline with a 4 inch offset and a 3.22 inch dimension.

PANEL CENTERLINE

2.375"

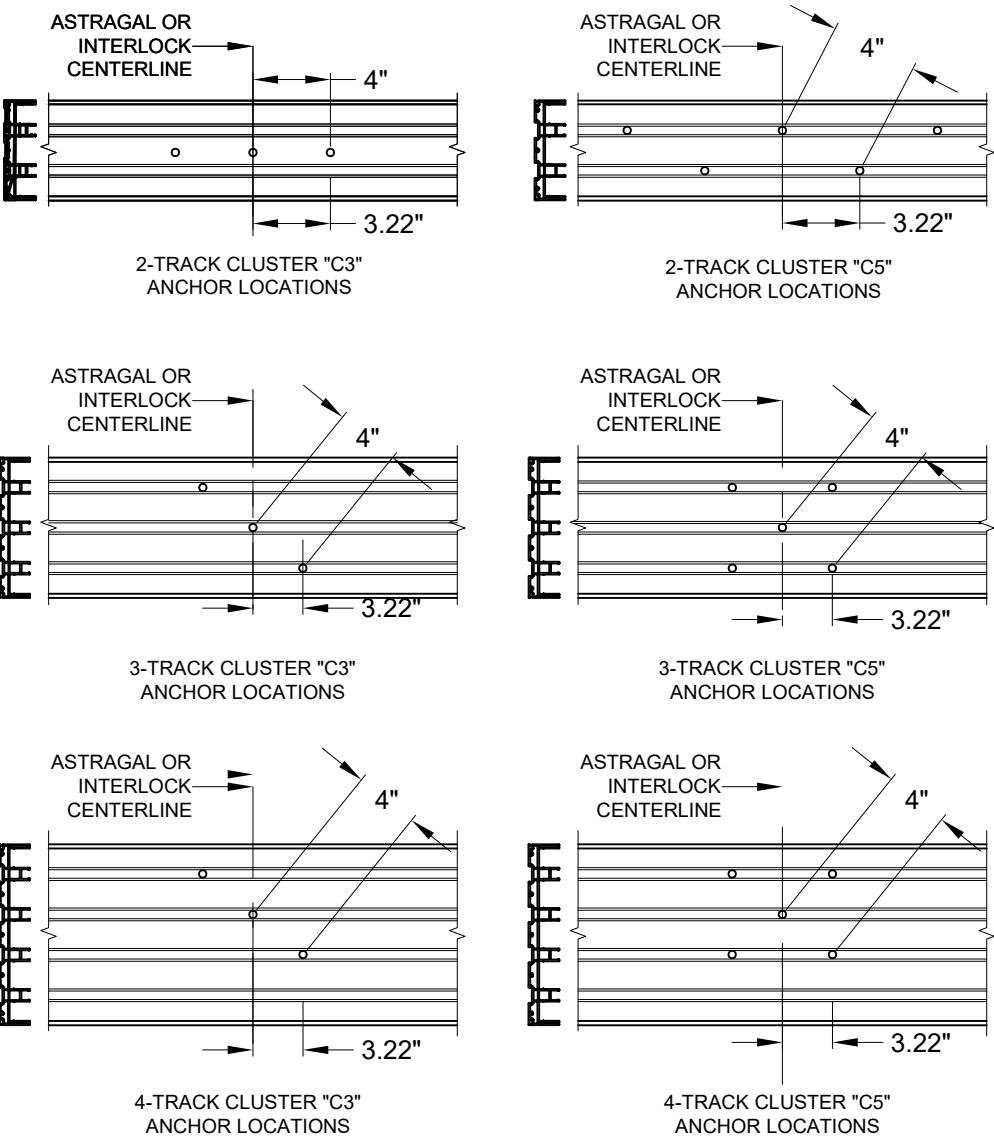
EXTERIOR

A diagram of a V-shaped structure, possibly representing a corner or a fold. It consists of two vertical lines meeting at a point at the top, and two diagonal lines extending downwards from that point to form a V-shape. At the bottom of each of the four lines, there is a small circle.

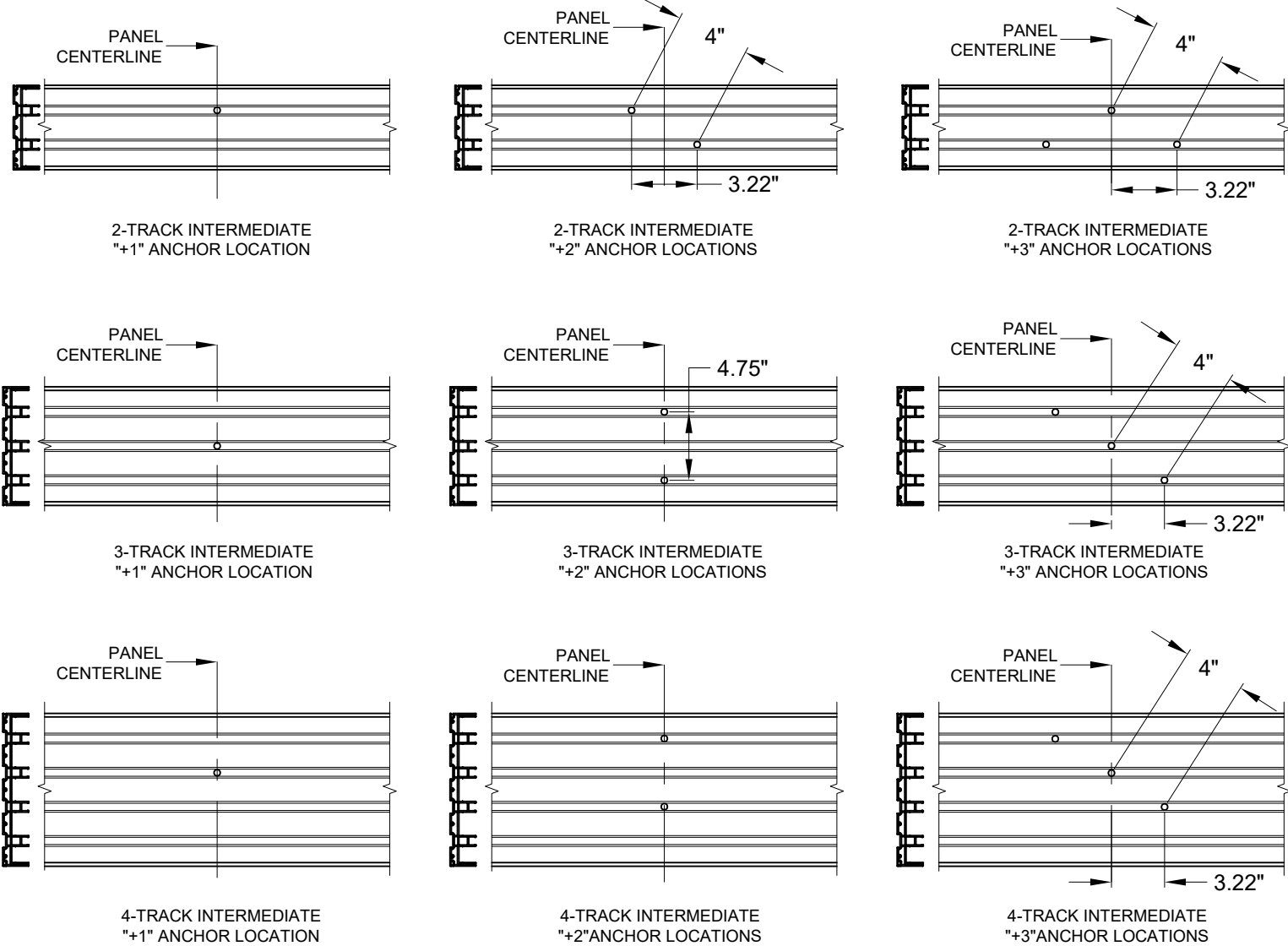
Head/Sill	C3+1
Jamb	5
P-hook	7

Rev.	NO CHANGES, THIS SHEET.	Date	Rev.#
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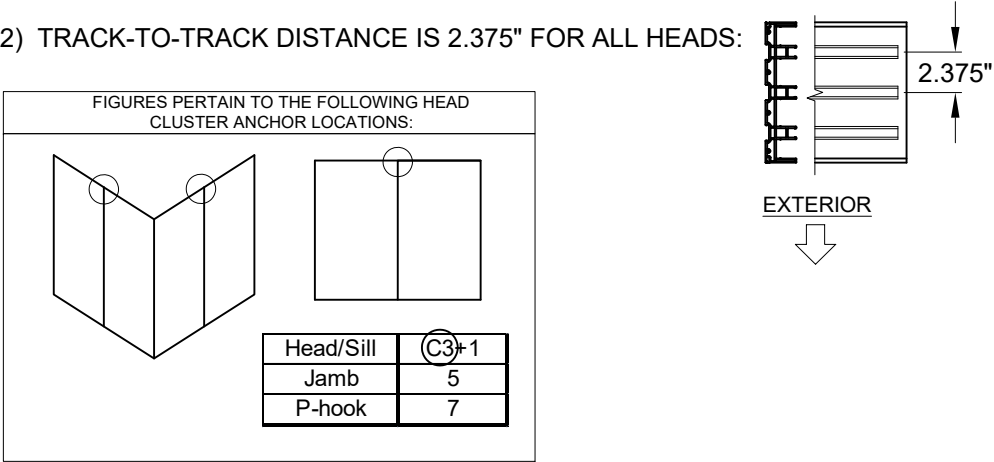
HEAD CLUSTER ANCHORS LAYOUT:



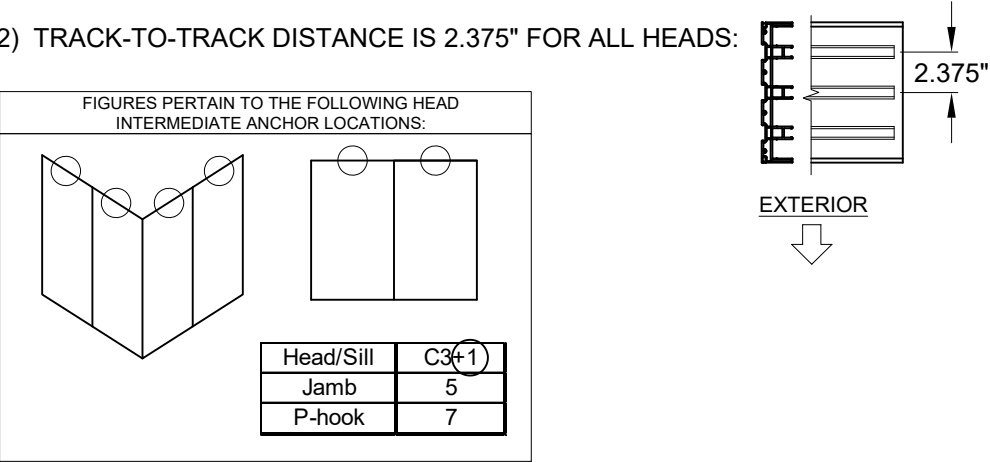
HEAD "+" INTERMEDIATE ANCHORS LAYOUT:



- NOTES:
- 1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
- 2) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL HEADS:



- NOTES:
- 1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
- 2) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL HEADS:



PGT[®] WINDOWS and DOORS

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REGISTRATION #29296

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N. VENICE, FL 34275
(941) 480-1600

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VINYL SLIDING GLASS DOOR

ANCHOR LOCATIONS B

SGD5570

Date

09/09/26

Drawn

JENS ROSOWSKI

DWG

No.

13 OF 22

Sheet

SGD5570

Series

Desc.

LM-HVHZ

ANTHONY LYNN MILLER

LICENSE

No. 58705

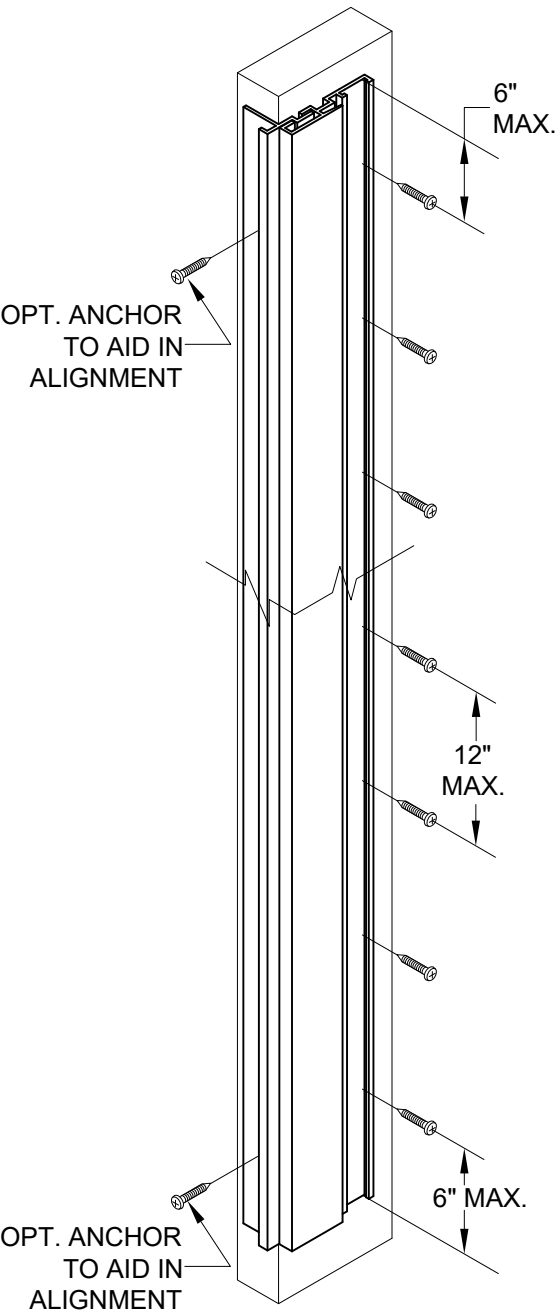
09/09/26

STATE OF FLORIDA

PROFESSIONAL ENGINEER

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

P-HOOK ANCHORS LAYOUT:

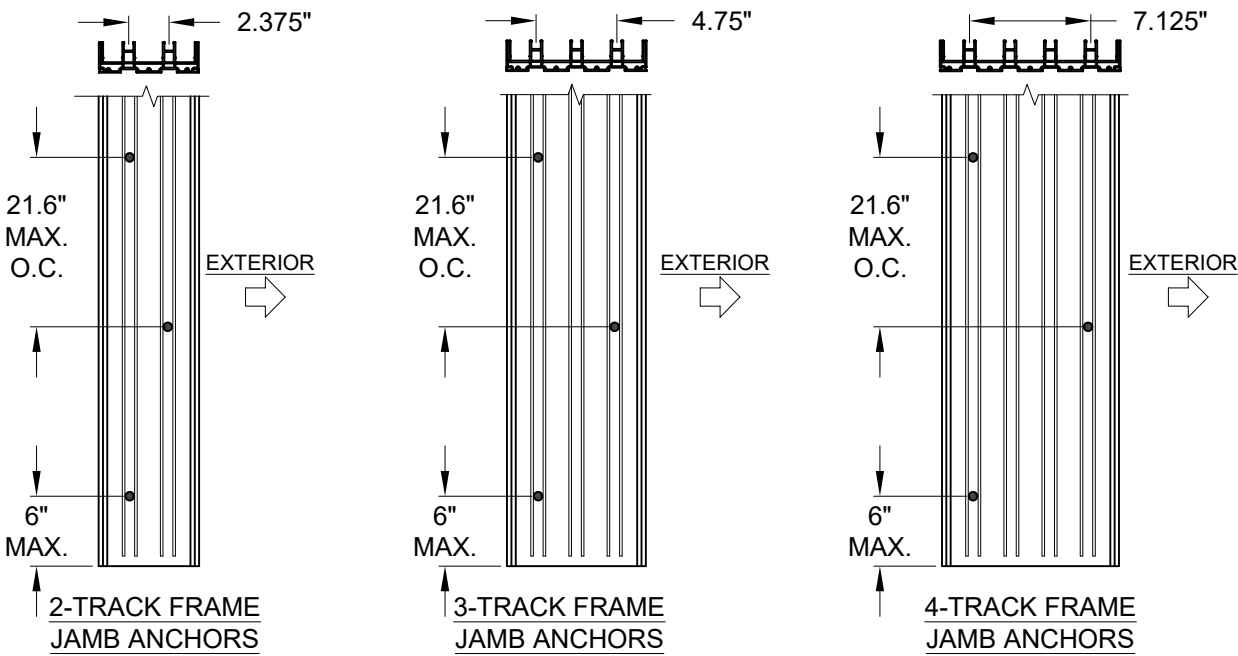


NOTES:
1) SEE TABLES 1 - 3 FOR EXACT QUANTITY OF ANCHORS REQUIRED IN THE P-HOOK.

FIGURES PERTAIN TO THE FOLLOWING POCKET JAMB (P-HOOK) ANCHOR LOCATIONS:

Head/Sill	C3+1
Jamb	5
P-hook	7

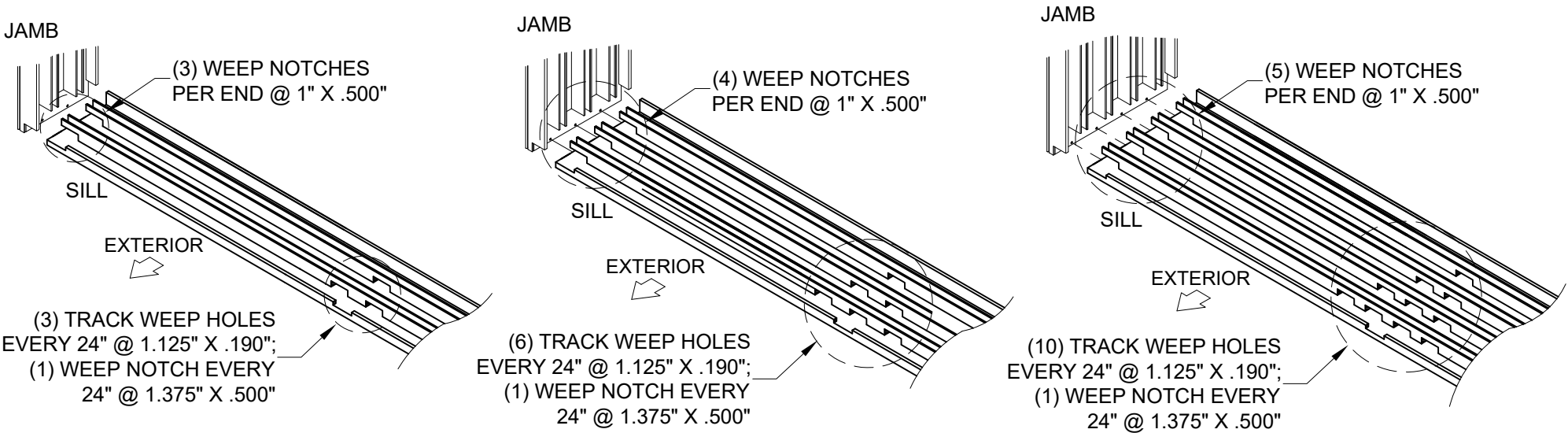
JAMB ANCHORS LAYOUT, (PARTIAL VIEW):



NOTES:
1) STANDARD ANCHOR LOCATIONS SHOWN. FOR 3 AND 4-TRACK JAMBS, ANCHORS MAY BE LOCATED IN ANY ADJACENT TRACK (SIMILAR TO THE 2-TRACK JAMB) AS REQUIRED TO MEET MIN. EDGE DISTANCE CONSTRAINTS. IN CASE OF AN ODD NUMBER OF ANCHORS, THE MAJORITY MAY BE TOWARD THE INTERIOR OR EXTERIOR.

FIGURES PERTAIN TO THE FOLLOWING JAMB ANCHOR LOCATIONS:

Head/Sill	C3+1
Jamb	5
P-hook	7



SILL WEEPHOLE LAYOUT (2, 3 & 4 TRACKS)

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REGISTRATION #29296

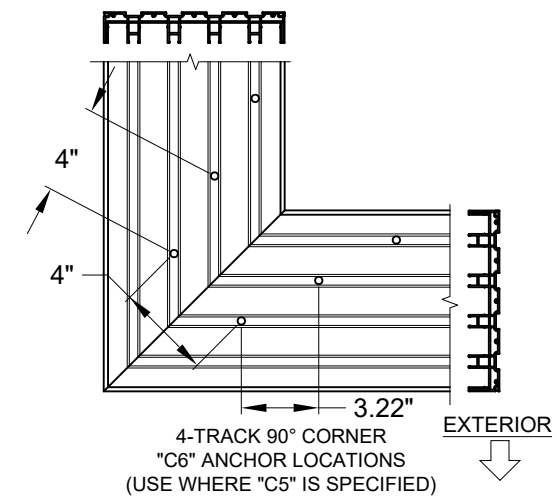
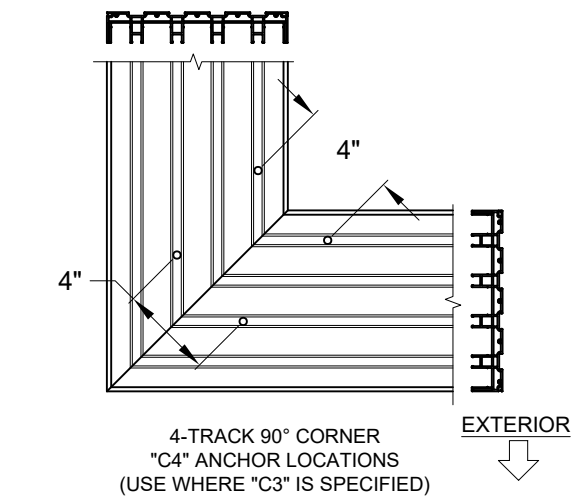
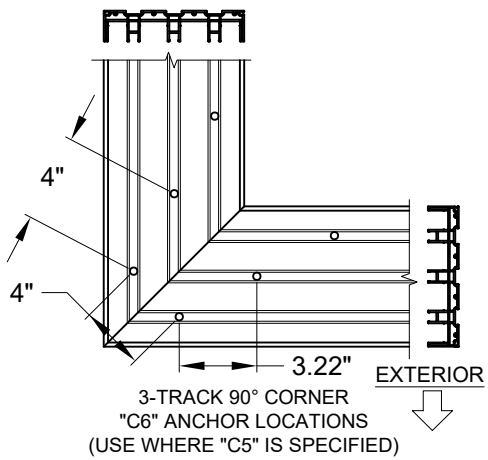
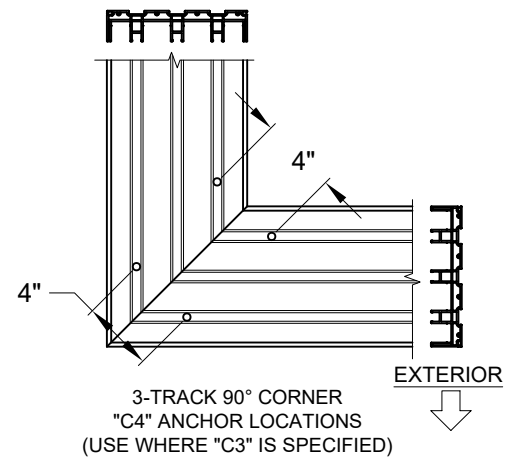
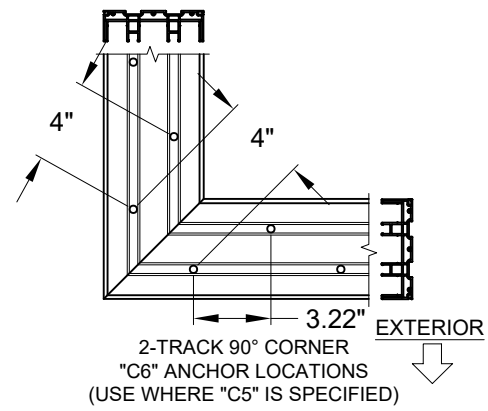
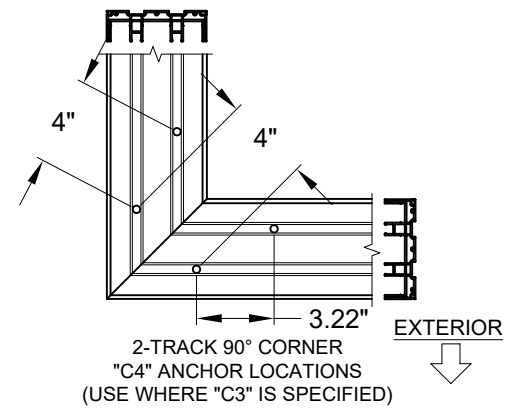
VINYL SLIDING GLASS DOOR
ANCHOR LOCATIONS C

09/09/26
JENS ROSOWSKI
SGD5570-LM-HVHZ

14 OF 22
SGD5570

ANTHONY LYNN MILLER
LICENSE
No. 58705
09/09/26
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

HEAD 90° CORNER CLUSTER ANCHORS LAYOUT:

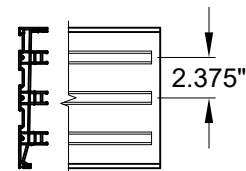
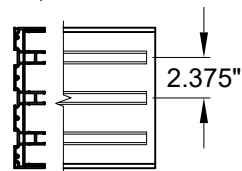


NOTES:

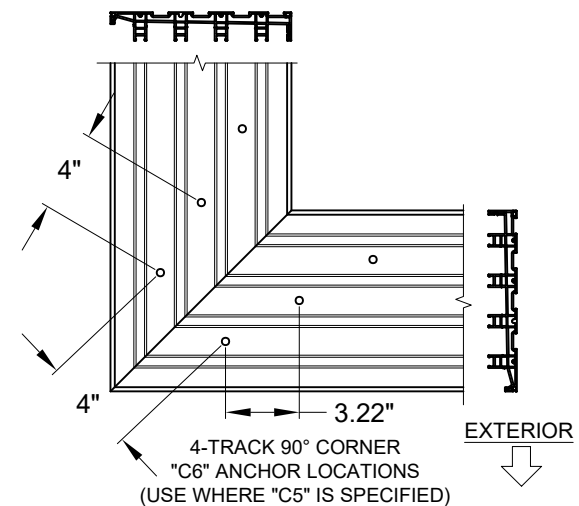
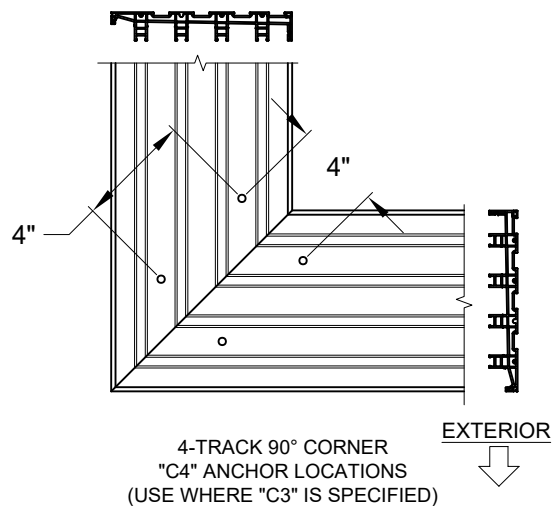
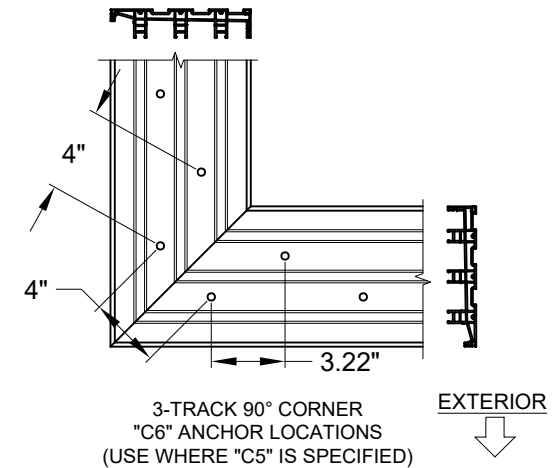
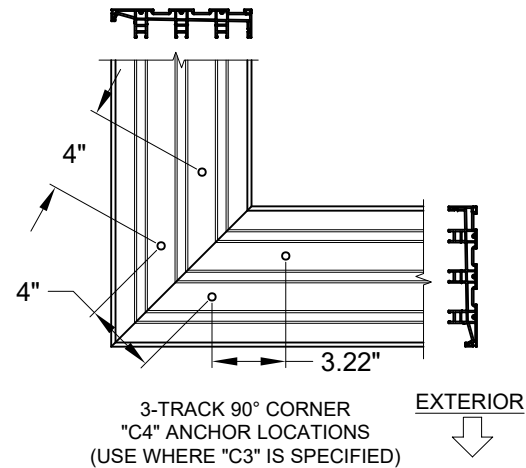
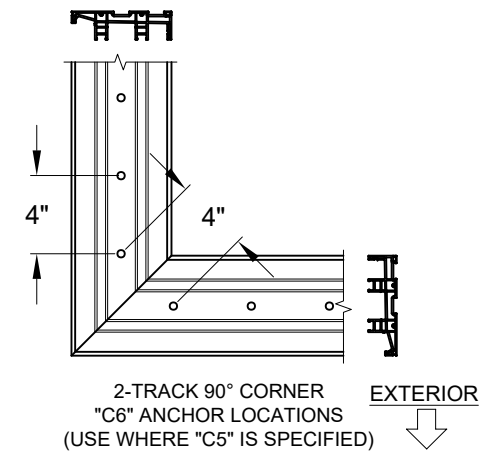
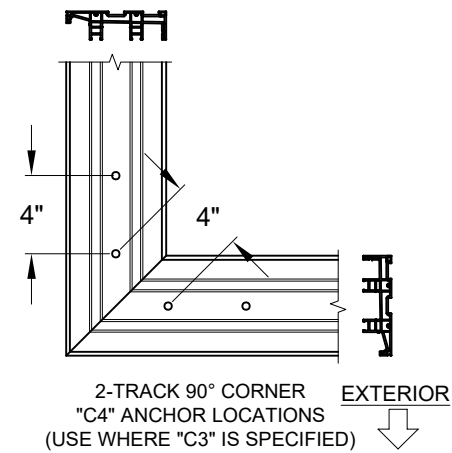
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

2) DETAILS DEPICT ANCHOR QUANTITY AND SPACING, AND WOULD BE SIMILAR FOR OUTSIDE (SHOWN) AND INSIDE CORNER CONFIGURATIONS.

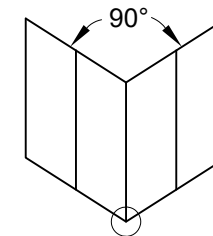
3) TRACK-TO-TRACK
DISTANCE IS 2.375"
FOR ALL HEADS AND SILLS:



SILL 90° CORNER CLUSTER ANCHORS LAYOUT:



FIGURES PERTAIN TO THE FOLLOWING 90° CORNER SILL
ANCHOR LOCATIONS:



Head/Sill	(C3)+1
Jamb	5
P-hook	7

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Date	09/09/26
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By	JENS ROSOWSKI
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SGD5570-LM-HVHZ

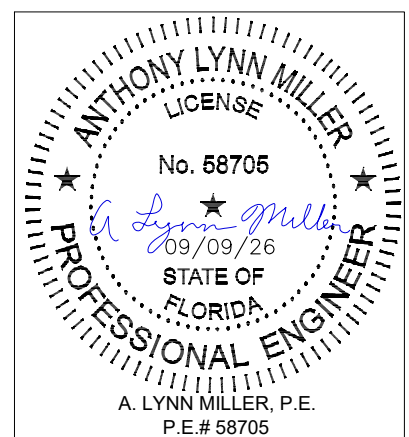
P&T WINDOWS and DOORS
3400 PRECISION DRIVE
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REGISTRATION #29296

VINYL SLIDING GLASS DOOR

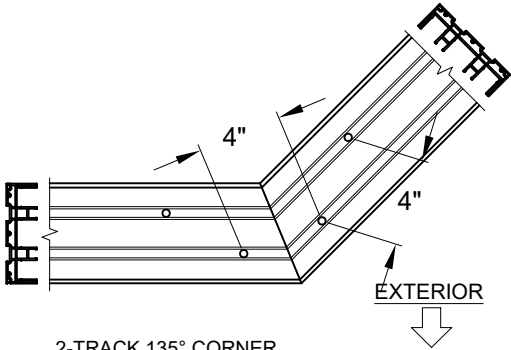
ANCHOR LAYOUTS

Series	SGD5570	Sheet	15 OF 22	DWG
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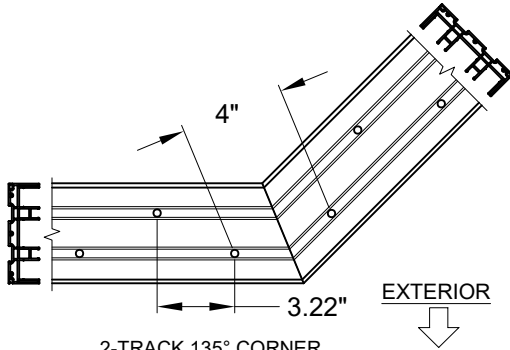


HEAD 135° CORNER CLUSTER ANCHORS LAYOUT:

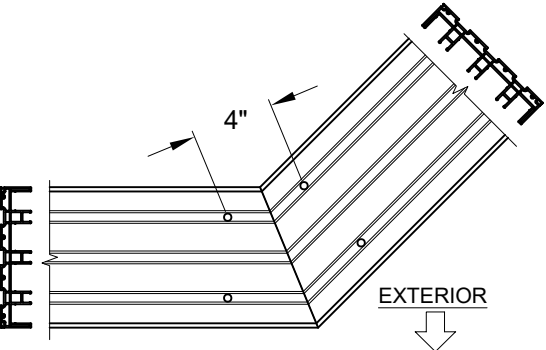
SILL 135° CORNER CLUSTER ANCHORS LAYOUT:



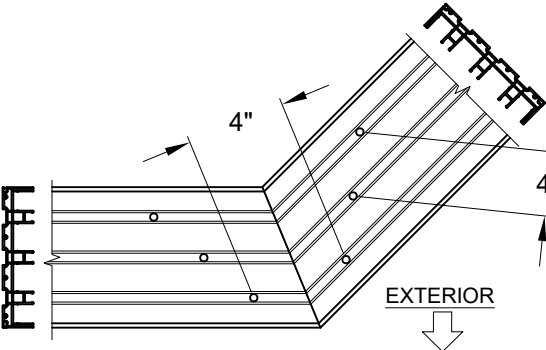
2-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



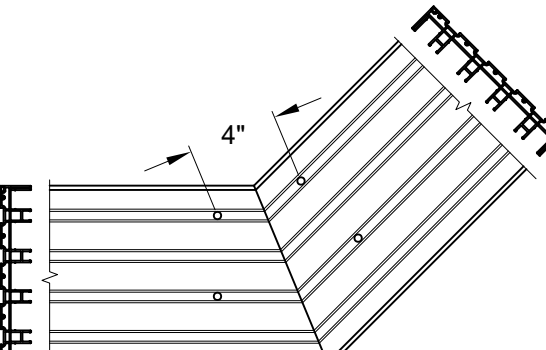
2-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



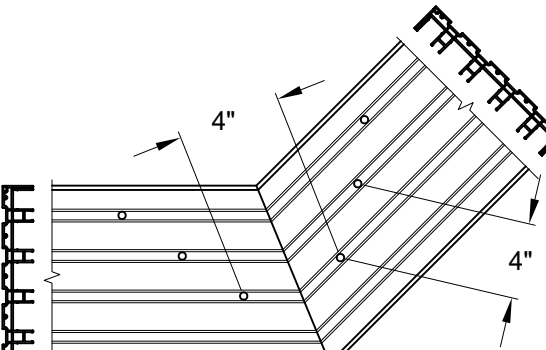
3-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



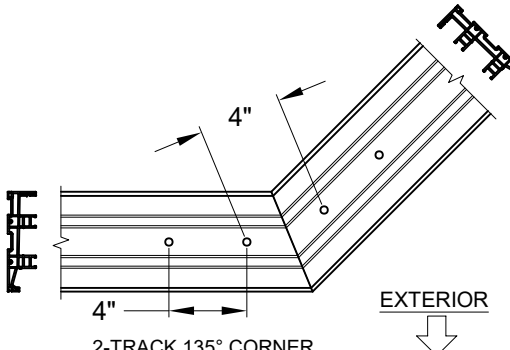
3-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



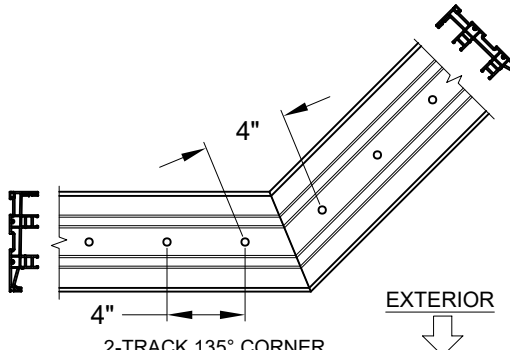
4-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



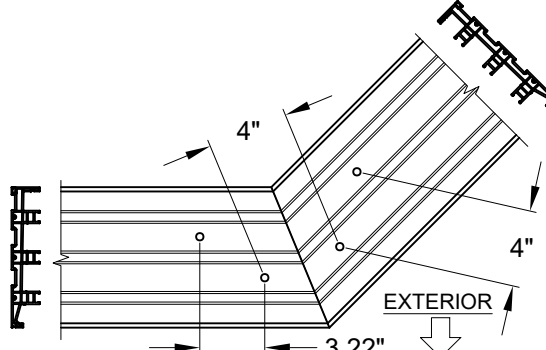
4-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



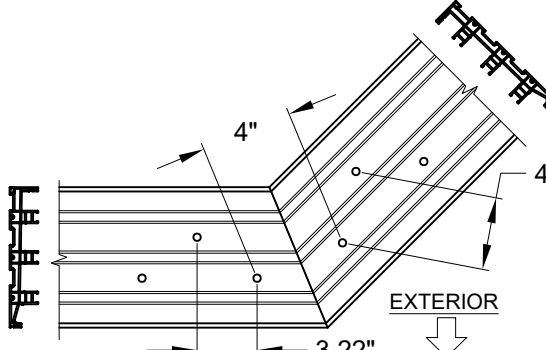
2-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



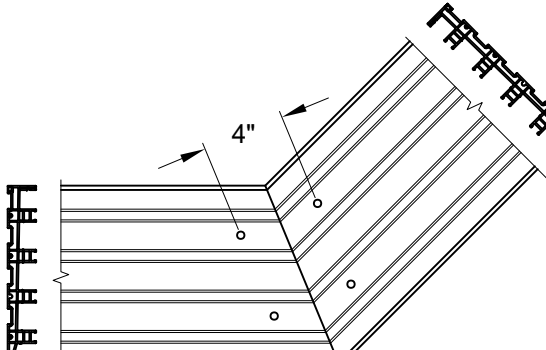
2-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



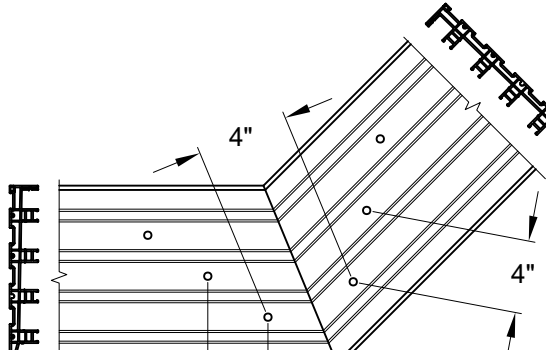
3-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



3-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

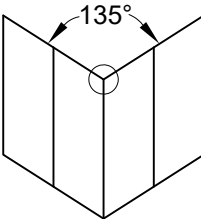


4-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



4-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

FIGURES PERTAIN TO THE FOLLOWING 135° CORNER
HEAD ANCHOR LOCATIONS:



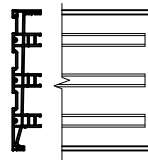
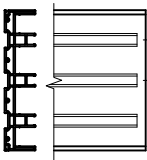
Head/Sill	(C3)+1
Jamb	5
P-hook	7

NOTES:

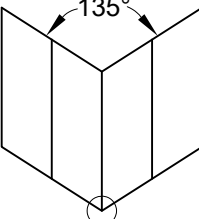
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

2) DETAILS DEPICT ANCHOR QUANTITY AND SPACING, AND WOULD BE
SIMILAR FOR OUTSIDE (SHOWN) AND INSIDE CORNER CONFIGURATIONS.

3) TRACK-TO-TRACK
DISTANCE IS 2.375"
FOR ALL HEADS AND SILLS:

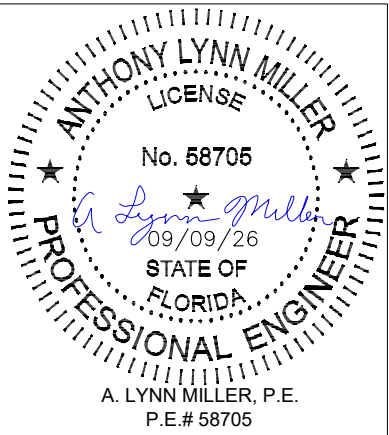


FIGURES PERTAIN TO THE FOLLOWING 135° CORNER
SILL ANCHOR LOCATIONS:



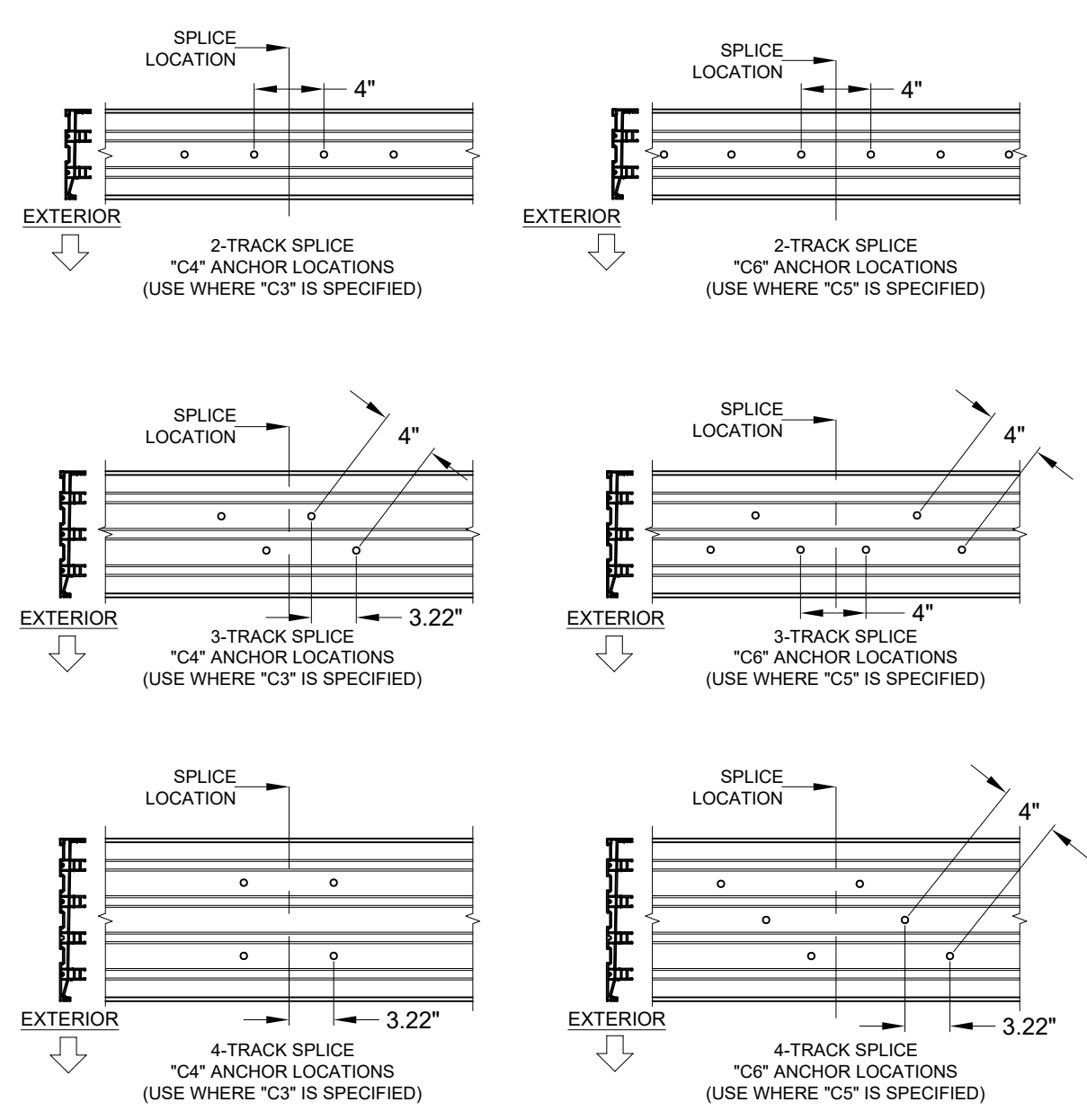
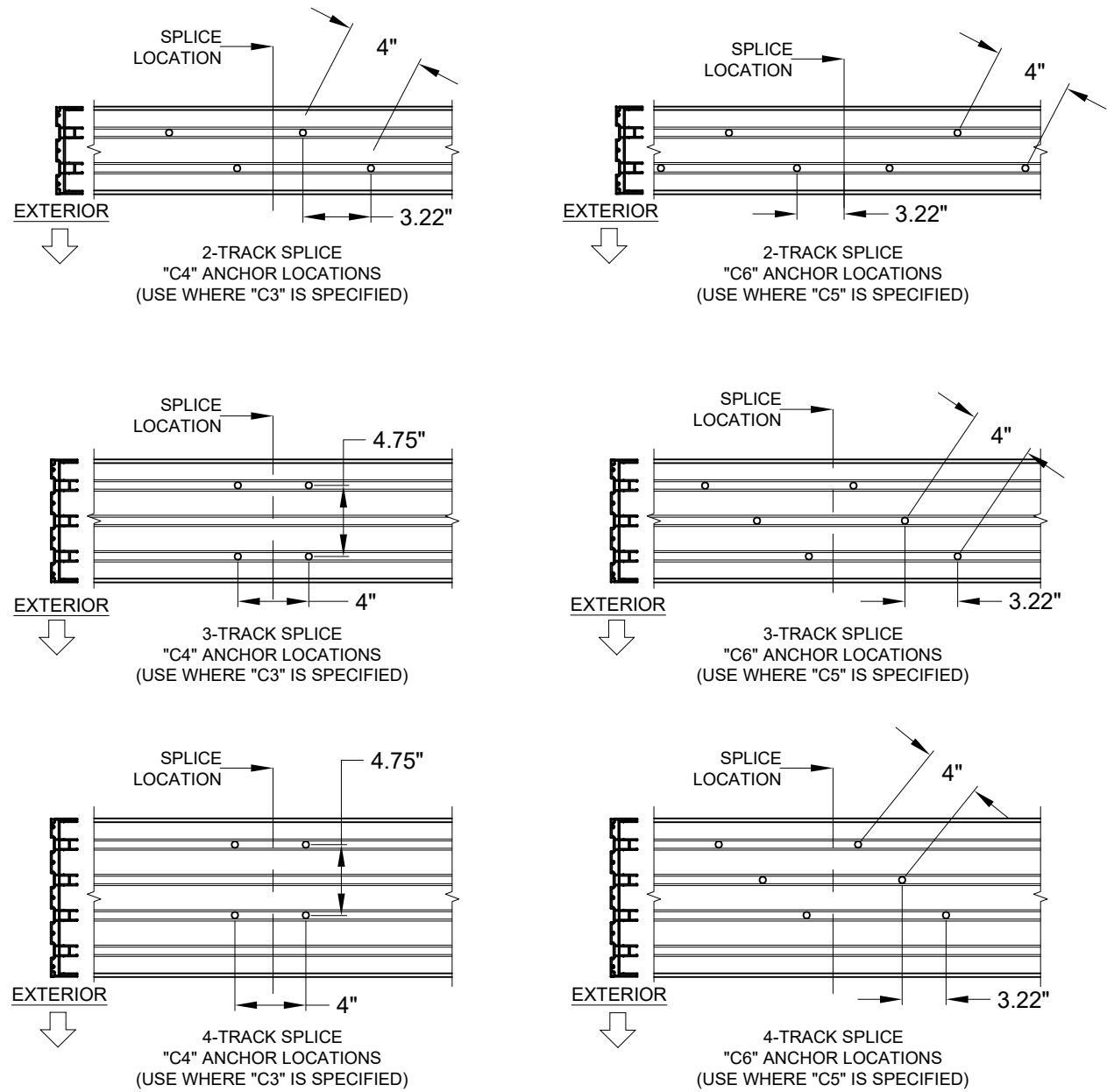
Head/Sill	(C3)+1
Jamb	5
P-hook	7

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PGT® WINDOWS and DOORS 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		VINYL SLIDING GLASS DOOR		ANCHOR LAYOUTS		Sheet	16 OF 22
Title		Desc.		Series		SGD5570			



HEAD SPLICE ANCHORS LAYOUT @ INTERLOCK OR ASTRAGAL:

SILL SPLICE ANCHORS LAYOUT @ INTERLOCK OR ASTRAGAL:



- NOTES:
- 1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
 - 2) ABOVE FIGURES ARE FOR SPLICES OCCURRING AT THE ASTRAGAL OR INTERLOCK. FOR SPLICES OCCURRING INSIDE OF A POCKET, SEE THE EXAMPLE ON SHEET 9.
 - 3) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL HEADS AND SILLS:
 - 4) POCKET WALL OR CAVITY IS NOT PART OF THIS APPROVAL AND IS TO BE DESIGNED BY OTHERS AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

FIGURES PERTAIN TO THE FOLLOWING SPLICED HEAD ANCHOR LOCATIONS:

Head/Sill	(C3)+1
Jamb	5
P-hook	7

FIGURES PERTAIN TO THE FOLLOWING SPLICED SILL ANCHOR LOCATIONS:

Head/Sill	(C3)+1
Jamb	5
P-hook	7

PGT[®] WINDOWS and DOORS

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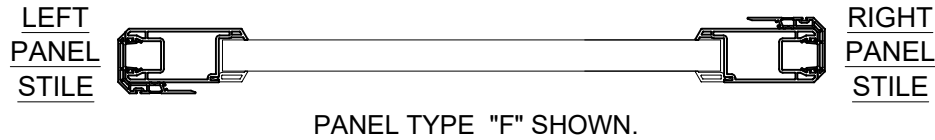
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Date	09/09/26
By	JENS ROSOWSKI
DWG No.	17 OF 22
Sheet	SGD5570
Series	SGD5570-LM-HVHZ

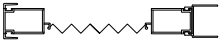
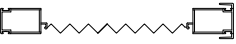
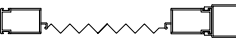
ANTHONY LYNN MILLER
LICENSE
No. 58705
09/09/26
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

PANEL TYPES INTERIOR OR EXTERIOR GLAZED		PANEL'S RIGHT STILE TYPE									
		SINGLE INTERLOCK OUT	SINGLE INTERLOCK IN	FIXED STILE	LOCKSTILE W/ HANDLE	ASTRAGAL BOX OUT	ASTRAGAL BOX IN	OUTSIDE 90° ASTRAGAL RECEIVER	INSIDE 90° ASTRAGAL RECEIVER	OUTSIDE 135° ASTRAGAL RECEIVER	INSIDE 135° ASTRAGAL RECEIVER
PANEL'S LEFT STILE TYPE	SINGLE INTERLOCK OUT		<i>F</i>	<i>PP</i>	<i>K</i>	<i>L</i> (BOX OUT)	<i>L</i> (BOX IN)	<i>TC</i>	<i>TA</i>	<i>TV</i>	<i>TW</i>
	SINGLE INTERLOCK IN	<i>B</i>	<i>E</i>	<i>P</i>	<i>A</i>	<i>C</i> (BOX OUT)	<i>C</i> (BOX IN)	<i>SC</i>	<i>SA</i>	<i>SV</i>	<i>SW</i>
	FIXED STILE	<i>RR</i>	<i>R</i>			<i>S</i> (BOX OUT)	<i>S</i> (BOX IN)	<i>FC</i>	<i>FD</i>	<i>FV</i>	<i>FW</i>
	LOCKSTILE W/ HANDLE	<i>D</i>	<i>M</i>			<i>J</i> (BOX OUT)	<i>J</i> (BOX IN)				
	ASTRAGAL BOX OUT	<i>LR</i> (BOX OUT)		<i>T</i> (BOX OUT)	<i>U</i> (BOX OUT)						
	ASTRAGAL BOX IN		<i>N</i> (BOX IN)	<i>T</i> (BOX IN)	<i>U</i> (BOX IN)						
	OUT. 90° ASTRAGAL RECEIVER	<i>CT</i>	<i>CS</i>	<i>CF</i>							
	IN. 90° ASTRAGAL RECEIVER	<i>AT</i>	<i>AS</i>	<i>DF</i>							
	OUT. 135° ASTRAGAL RECEIVER	<i>VT</i>	<i>VS</i>	<i>VF</i>							
	IN. 135° ASTRAGAL RECEIVER	<i>WT</i>	<i>WS</i>	<i>WF</i>							



PANEL NOTES:

- 1) SEE DP/ANCHOR TABLES 1, 2 & 3, SHEETS 7-9 FOR PANEL SIZES & DESIGN PRESSURE.
- 2) PANEL TYPES NOT SHOWN ARE NOT REQUIRED FOR ANY CONFIGURATIONS AND ARE NOT AVAILABLE.
- 3) MAXIMUM NOMINAL PANEL WIDTH FOR ALL PANEL CONFIGURATIONS IS 60".
- 4) PANEL TYPE MAY BE EITHER EXTERIOR (STANDARD) OR INTERIOR GLAZED, BOTH TYPES QUALIFIED BY THIS APPROVAL, SEE DETAILS SHEET 11.

SCREEN PANEL TYPES			
<i>C</i>	DOUBLE INTERLOCK		ASTRAGAL
<i>M</i>	LOCKSTILE		DOUBLE INTERLOCK
<i>J</i>	LOCKSTILE		ASTRAGAL
<i>SD</i>	SINGLE INTERLOCK		DOUBLE INTERLOCK
<i>A</i>	DOUBLE INTERLOCK		LOCKSTILE
<i>U</i>	ASTRAGAL		LOCKSTILE
<i>DS</i>	DOUBLE INTERLOCK		SINGLE INTERLOCK

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VINYL SLIDING GLASS DOOR

PANEL & SPACER TYPES

SGD5570

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Date

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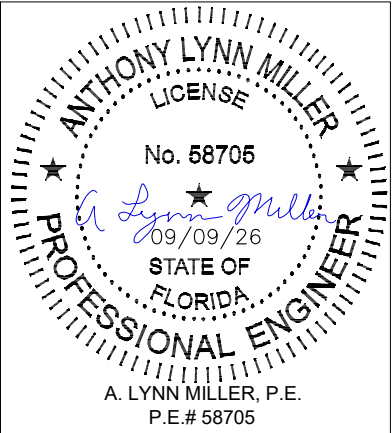
DWG No.

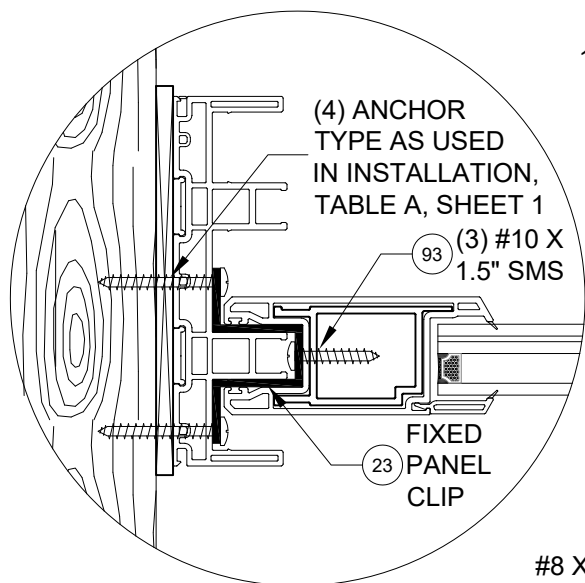
Sheet

Series

Desc.

Title

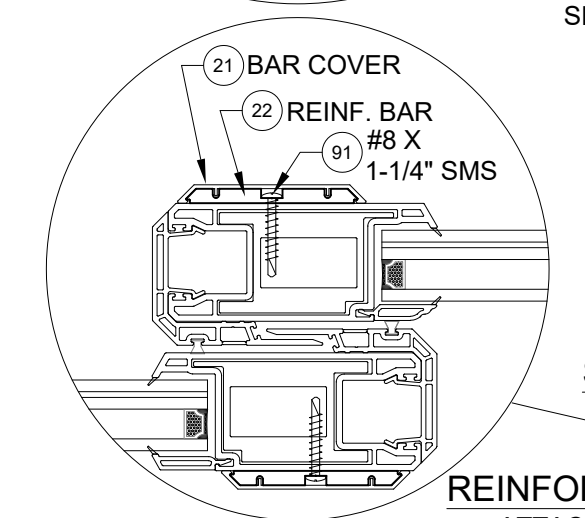




(4) ANCHOR
TYPE AS USED
IN INSTALLATION,
TABLE A, SHEET 1

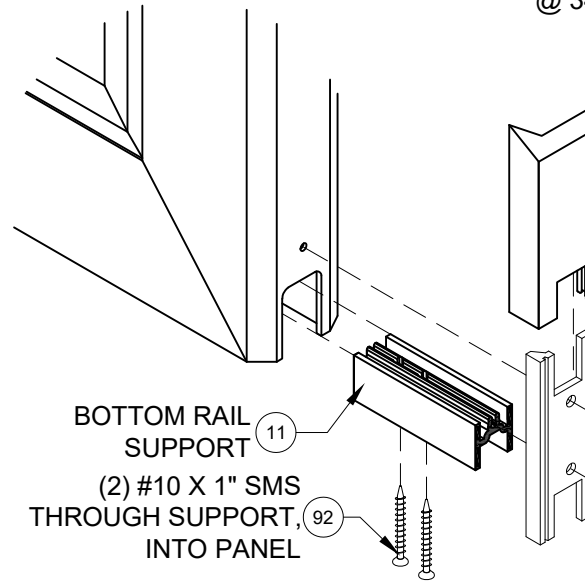
(3) #10 X
1.5" SMS

FIXED
PANEL
CLIP



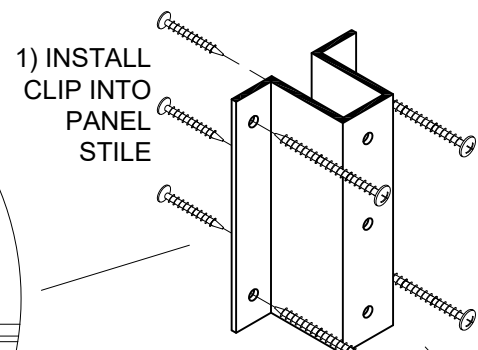
REINFORCEMENT PLATE

ATTACH WITH #8 X 1-1/4"
@ 34-1/2" MAX O.C.



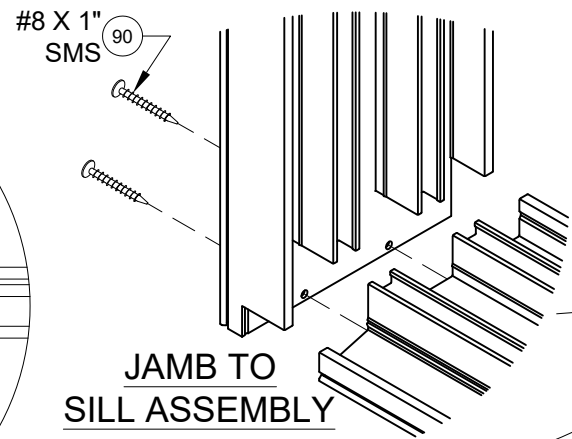
INTERLOCK SILL RETAINER CLIP ATTACHMENT

INSTALL ONE ASSEMBLY AT EACH INTERLOCK



FIXED PANEL CLIP

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

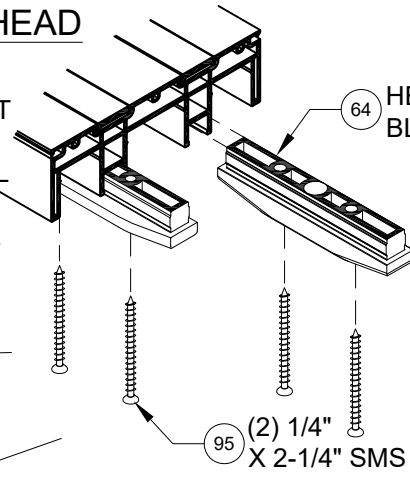


JAMB TO SILL ASSEMBLY

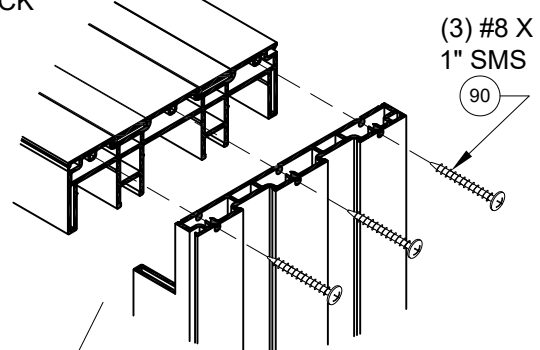
2) INSTALL CLIP INTO FRAME
JAMB &
SUBSTRATE, SEE
TABLE 1

HEADER BLOCK TO HEAD ATTACHMENT

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

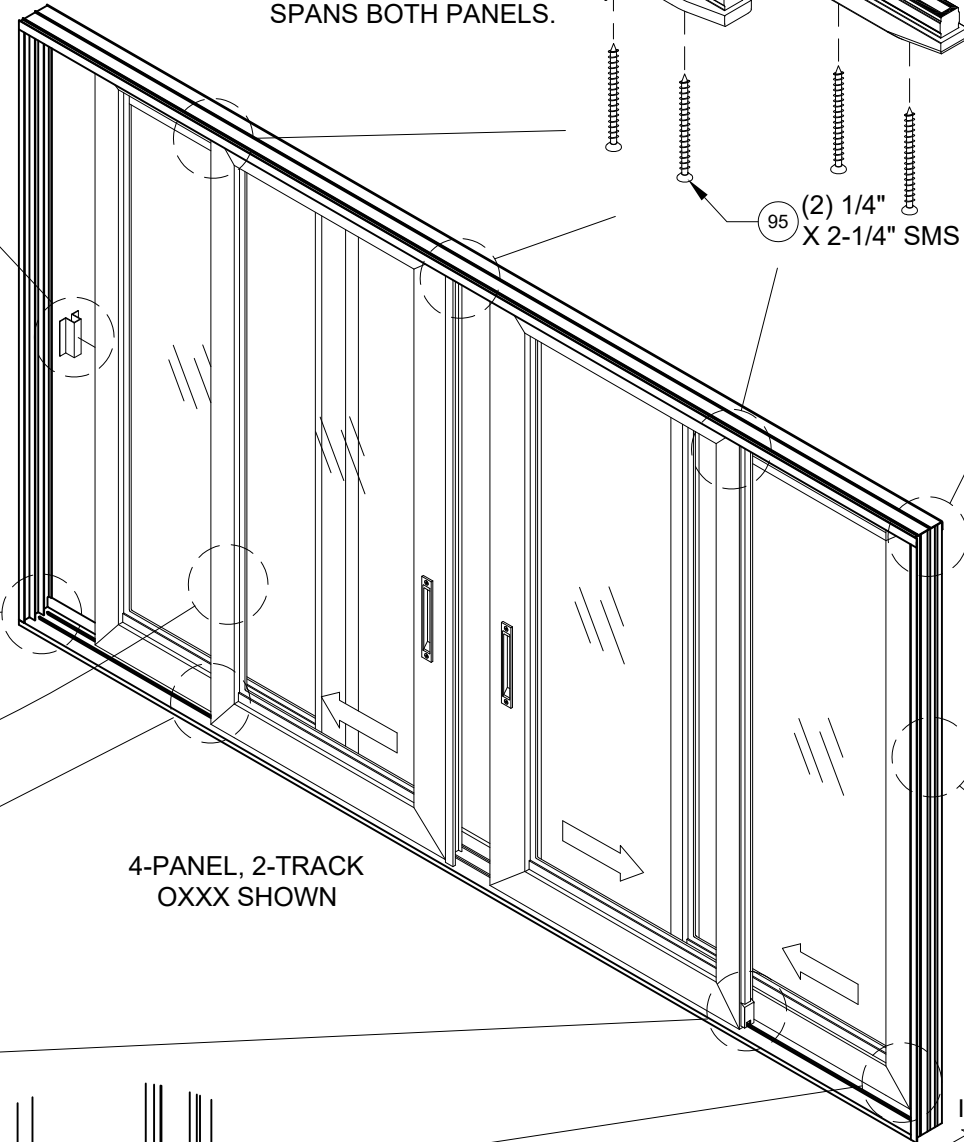


JAMB TO HEAD ASSEMBLY

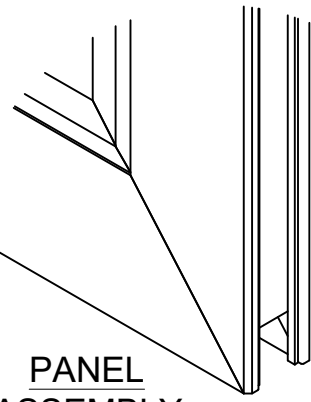


NOTES

- 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
- 2) SEE SHEETS 12-17 FOR ANCHOR LOCATION & SPACING.
- 3) SEE TABLES 1, 2 & 3 FOR REINFORCEMENT REQUIREMENTS.
- 4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.

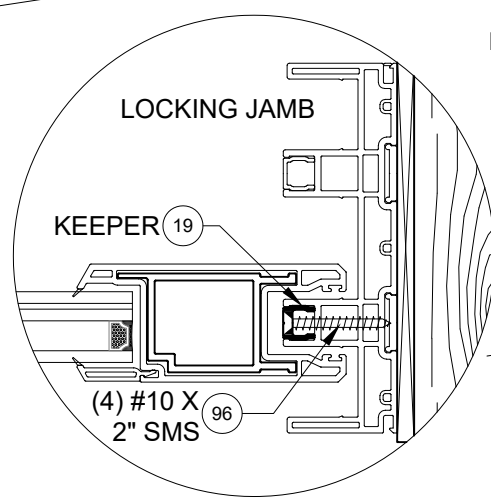


4-PANEL, 2-TRACK
OXXX SHOWN



PANEL ASSEMBLY

ALL PANEL CORNERS
WELDED, NO ASSEMBLY
FASTENERS



LOCKING JAMB

KEEPER (19)

(4) #10 X
2" SMS (96)

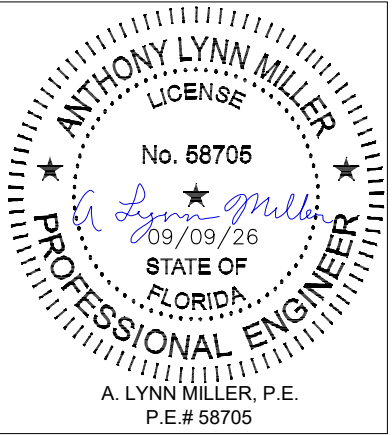
INTERIOR
EXTERIOR

(4) #10
X 2" SMS (96)

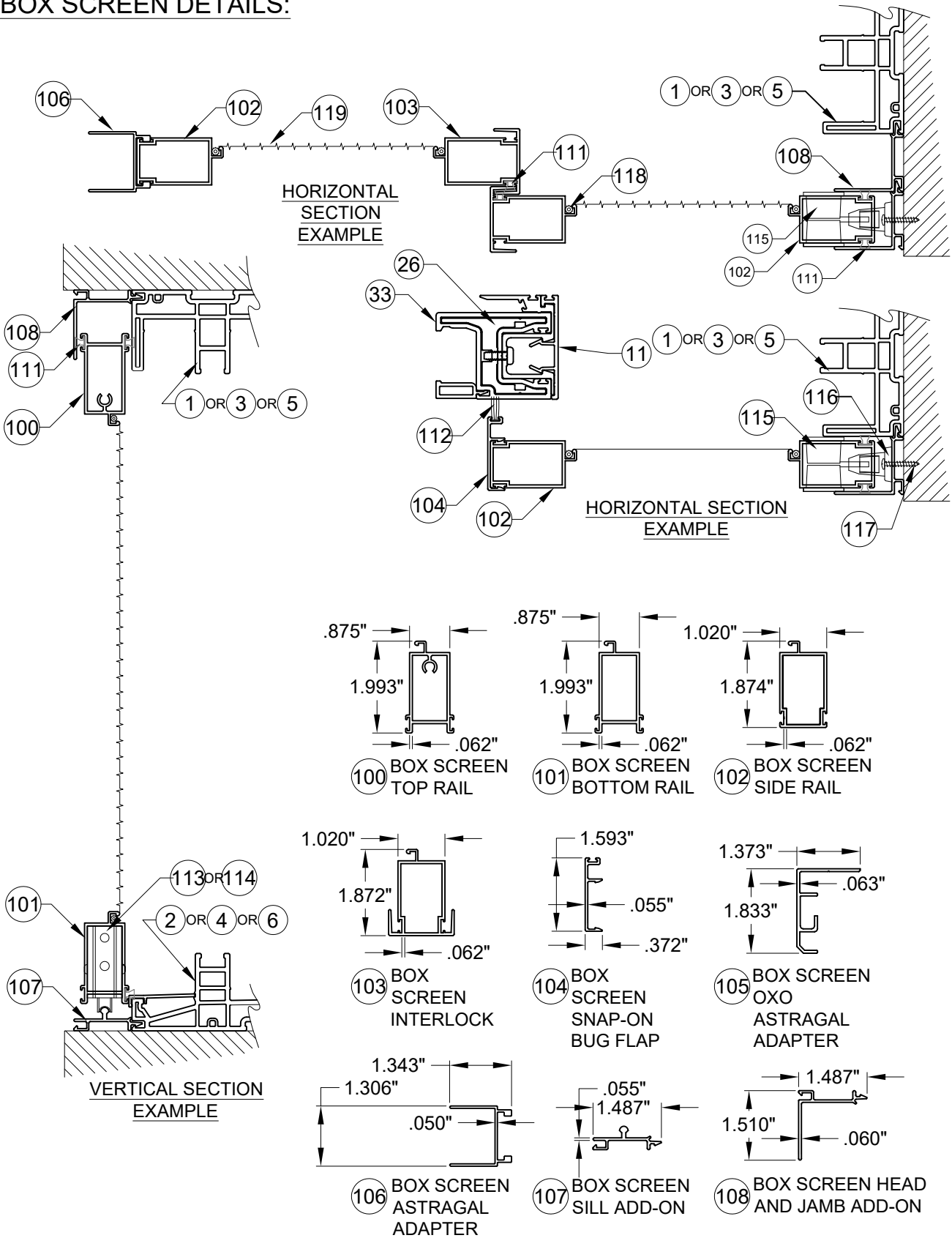
KEEPER (19)

KEEPER TO JAMB ATTACHMENT

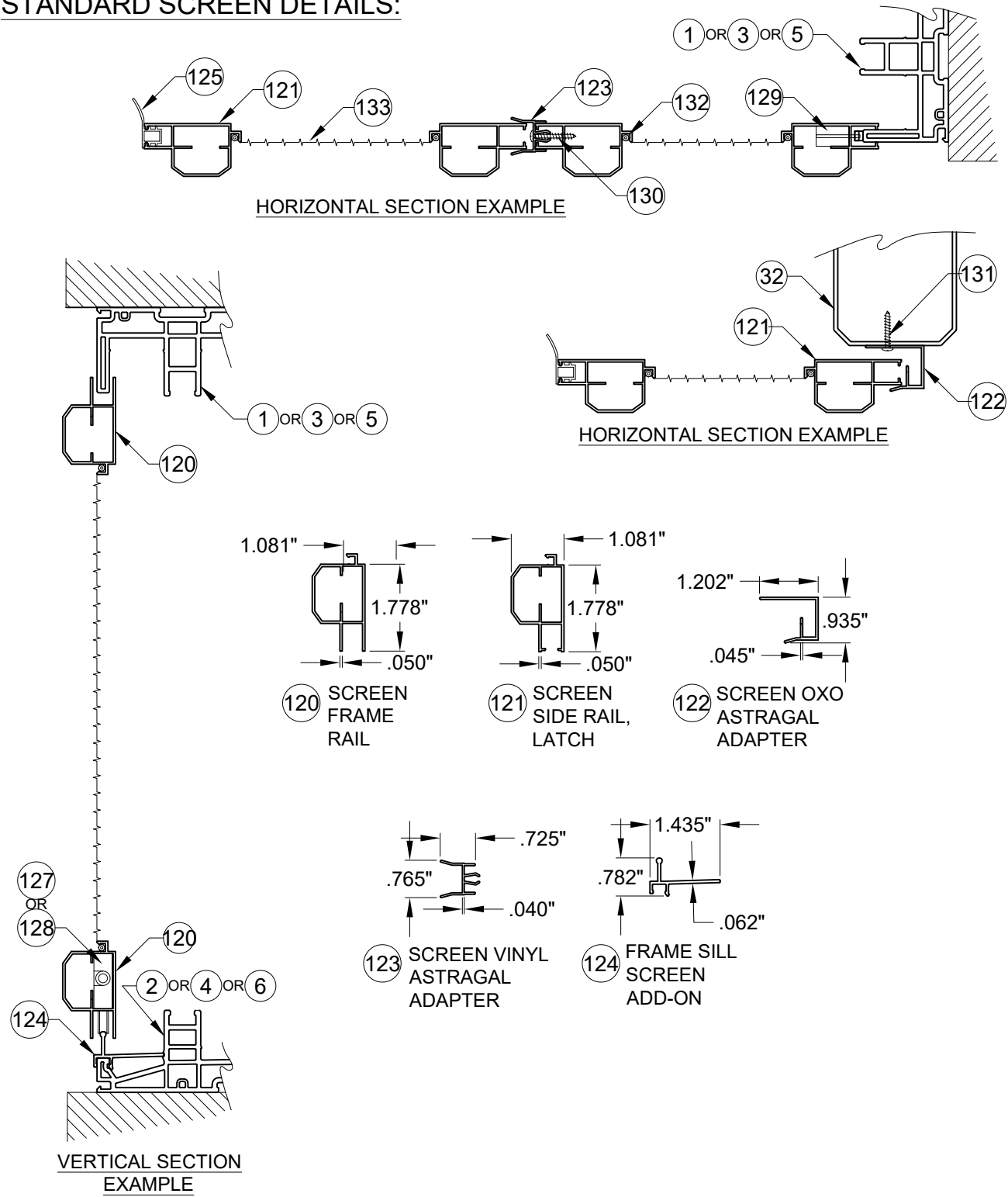
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INSTALLATION, ACCESSORIES		Title		Desc.		Series	
SGD5570		SGD5570		20 OF 22		Sheet	



BOX SCREEN DETAILS:



STANDARD SCREEN DETAILS:



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REGISTRATION #29296

VINYL SLIDING GLASS DOOR

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No.

21 OF 22

SGD5570

SGD5570-LM-HVHZ

ANTHONY LYNN MILLER

LICENSE

No. 58705

09/09/26

STATE OF FLORIDA

PROFESSIONAL ENGINEER

A. LYNN MILLER, P.E.

P.E.# 58705

TABLE C:

#	Part #	Description	Material
1	19001	2-Track Head/Jamb	Rigid PVC
2	19002	2-Track Sill	Rigid PVC
3	19025	3-Track Head/Jamb	Rigid PVC
4	19026	3-Track Sill	Rigid PVC
5	19027	4-Track Head/Jamb	Rigid PVC
6	19028	4-Track Sill	Rigid PVC
7	19009	Frame Screw Cover	Rigid PVC
8	19031	Anchor Plate	6063-T6 Alum.
9	19007	Track Insert	6063-T6 Alum.
10	19084	Interlock Cap - Extended Pocket	Rigid PVC
11	19036	Bottom Rail Support	6063-T6 Alum.
12	19006A	Outer Sill Cover	6063-T6 Alum.
13	19011	Sill Track Cover	Rigid PVC
17	19032	P-Hook Adapter	6063-T6 Alum.
18	19020	P-Hook	6063-T6 Alum.
19	19047M	Extended Keeper	6063-T6 Alum.
20	19029M	Keeper	6063-T6 Alum.
21	19014	Reinforcement Bar Cover	Rigid PVC
22	19030	Reinforcement Bar	6005-T5 Alum.
23	19037M	Fixed Panel Clip	6063-T6 Alum.
24	19035M	Reinforcement Plate	6063-T6 Alum.
25	19017M	Top Rail, Bottom Rail and Lockstile Reinforcement	6005-T5 Alum.
26	19046		Composite
27	19018M	Interlock .300 Reinforcement, Std.	6005-T5 Alum.
28	19013M	Interlock .400 Reinforcement, HD	6005-T5 Alum.
29	19019M	Astragal Reinforcement	6005-T5 Alum.
30	19083	Extended Pocket Interlock Adaptor	6063-T6 Alum.
31	19005	Interlock Adaptor	Rigid PVC
32	19008	Astragal Add-on	Rigid PVC
33	19004	Panel Stile, Top/Bottom Rail	Rigid PVC
34	19040	Interior Jamb Cover	6063-T6 Alum.
35	19076	135° Corner Astragal	6063-T6 Alum.
36	19077	135° Corner Astragal Passive Mount	6063-T6 Alum.
37	19079	135° Corner Astragal Cap - Ext.	Rigid PVC
38	19080	135° Corner Astragal Cap - Int.	Rigid PVC
39	19078	90° Corner Astragal	6063-T6 Alum.
40	19081	90° Corner Astragal Cap - Ext.	Rigid PVC
41	19082	90° Corner Astragal Cap - Int.	Rigid PVC
42	19085	Sill Riser - (2-1/2")	6063-T6 Alum.
43	19022A	Sill Riser - (3-1/2")	6063-T6 Alum.
44	19023A	Sill Riser - (4-1/16")	6063-T6 Alum.
45	19024A	Sill Riser - (4-5/8")	6063-T6 Alum.
50	718609W	.187" x .320" Finseal (Stile)	
51	71695K	1-1/2" x 1" x 3/4" Fin Seal Dust Plug	
52	71696	Dust Plug	
60	419041	Interlock Clip Cover	PVC
61	78153X	Tandem Roller Assembly	SS
62	78153N	Tandem Roller Assembly	Nylon
63	78X75FPTX	#8 x 3/4" Ph. FH SMS @ Roller & Reinf.	SS

#	Part #	Description	Material
64	419042	Frame Header Block	Nylon
65	48052	Roller Adj. Hole Plug	PVC
66	44385	4 Hole Bumper Stop	PVC
67	76X114FPTX	#6 x 1-1/4" Ph. FH SMS @Bumper Stop	SS
68	71696G	Sill Plug	PVC
69	78185X	Gemini Mortise Lock w/long Trim plate	Steel/SS
70	71032X1FPFX	10-32 x 1" Ph.FH MS @ Lock	SS
71	varies	Handle Kit	Cast Zinc
72	19054	Interlock Retainer Clip	Nylon
75		IG Spacer	varies
79		Dow 791, 983, 995 or GE-7700 Backbedding	Silicone
80	19055/19188	7/16" Square Bead	Rigid PVC/ABS
81		7/16" Beveled Bead	Rigid PVC
82	19099/19189	1-1/16" Beveled Bead	Rigid PVC/ABS
83	19045	1-1/16" Ogee Bead	Rigid PVC
84	19016	1-3/16" Ogee Bead	Rigid PVC
85	71725K	Setting Block 1/2" x 4" x 1/16", 85 +/- 5 duro.	Neoprene
86	71726K	Setting Block 1" x 4" x 1/16", 85 +/- 5 duro.	Neoprene
90	781PSTX	#8 x 1" Ph. PH SMS @ Frame Assembly	SS
91	78X114PHPT410X	#8 x 1-1/4" Ph. PH SMS @ Reinf. Bar	SS
92	710X1PHPT18-8X	#10 x 1" Ph. PH SMS @ Rail Support	SS
93	710X115PPX	#10 x 1-1/2" Ph. PH SMS @ Fxd. Pnl. Clip	SS
94	710X2.5PHPT18-8X	#10 x 2-1/2" Ph. PH SMS @ Reinf. Plate/Ast.	SS
95	71420X2.25FPFX	#12 x 2-1/4" Ph. PH SMS @ Hdr. Block	SS
96	710X1.75PPX	#10 x 1-3/4" Ph. FH SMS @ Ast. Mount	SS
97	710X34PPX	#10 x 3/4" Ph. PH SMS @ Ext. Pkt. Int.	SS
98	131001	#10 x 2-1/2" Ph. FH SDS, 4 @ Keeper	SS
99	710X2PPX	#10 x 2" Ph. FH SMS, 4 @ Keeper	SS

TABLE D: STANDARD SCREEN

#	Part #	Description	Material
120	12033	Screen Frame Rail	6063 T5 Al
121	12026A	Screen Frame - Side Rail (Latch)	6063 T5 Al
122	17363	Screen OXO Astragal Adapter	6063 T6 Al
123	4853K	Screen Vinyl Astragal Adapter	Rigid PVC
124	19012B	Frame Sill Screen Add-on	6063 T6 Al
125	6FP95K	Bug Flap, 85 +/- 5 duro.	Vinyl
126	78X112PSATS	#8 x 1-1/2" Ph. PH SMS (Assembly)	SS
127	712027	Corner Key Wheel Assembly (Standard)	Nylon
128	712027SS	Corner Key Wheel Assembly (HD)	SS
129	varies	Screen Locking Hardware	Steel
130	710X34PPSDAX	#10 x 3/4" Ph. PH SMS @ Screen Ast.	SS
131	78X12PPSMSX	#8 x 1/2" Ph. PH SMS @ Door Ast.	SS
132	1692/3/4	Screen Spline - .145"	Vinyl
133	1816C20	Screen Cloth	Fiberglass

TABLE E: BOX SCREEN

#	Part #	Description	Material
100	12256	Box Screen Top Rail	6063 T5 Al
101	12257	Box Screen Bottom Rail	6063 T5 Al
102	12258	Box Screen Side Rail	6063 T5 Al
103	64428	Box Screen Interlock	6063 T6 Al
104	17347A	Box Screen Snap-on Bug Flap	6063 T6 Al
105	64345	Box Screen OXO Astragal Adapter	6063 T6 Al
106	17349	Box Screen Astragal Adapter	6063 T5 Al
107	19039	Box Screen Frame Sill Add-on	6063 T6 Al
108	19038	Box Screen Head/Jamb Add-on	6063 T6 Al
109	720X1X	#14-20 x 1" MS @ Top Rail	SS
110	720X112X	#14-20 x 1-1/2" MS @ Bottom Rail	SS
111	71793G	Wstp, .270" x .150" - Fin Seal	
112	61805K	Wstp, .187" x .500" @ Bug Flap	
113	7SRAZ	Standard Roller	Nylon
114	7SRAX	HD Roller	SS
115	varies	Screen Locking Hardware	Steel
116	419053	Screen Keeper	Steel
117	76X1PPA	#6 x 1" Ph. PH SMS	Steel
118	1692/3/4	Screen Spline - .150" & .165"	Vinyl
119	1816C20	Screen Cloth	Fiberglass

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REGISTRATION #29296

VINYL SLIDING GLASS DOOR

By
JENS ROSOWSKI

Date
09/09/26

Series
SGD5570

Desc.
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