

SERIES 5470 VINYL, NON-IMPACT RESISTANT SLIDING GLASS DOOR
INCLUDING 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 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 TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL 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"

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"
B	1/4" 410 SS CreteFlex	Southern Pine, (SG=0.55)	Head/Sill/Jamb/P-hook	1"	1-3/8"
		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"
			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"
			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:

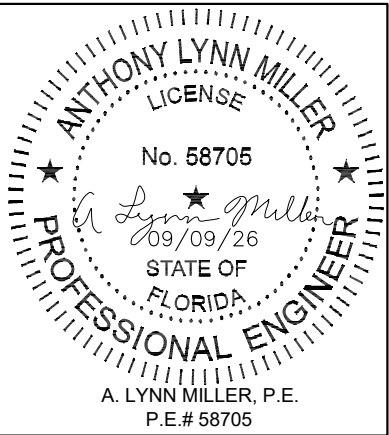
- 1) KNOWING THE REQUIRED ALLOWABLE STRESS DESIGN PRESSURE OF THE OPENING, THE ANCHOR REQUIREMENTS FOR THE SLIDING GLASS DOORS MAY BE DETERMINED FROM DESIGN PRESSURE TABLES 1, 2 OR 3, DEPENDING ON THE GLASS/REINFORCEMENT.
- 2) LOCATE THE SLIDING GLASS DOOR SIZE ON THE TABLE, USING THE FRAME HEIGHT AND 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.

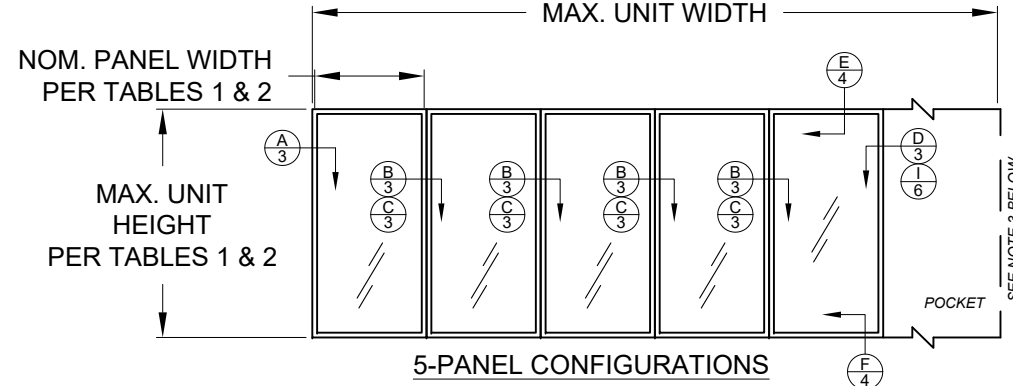
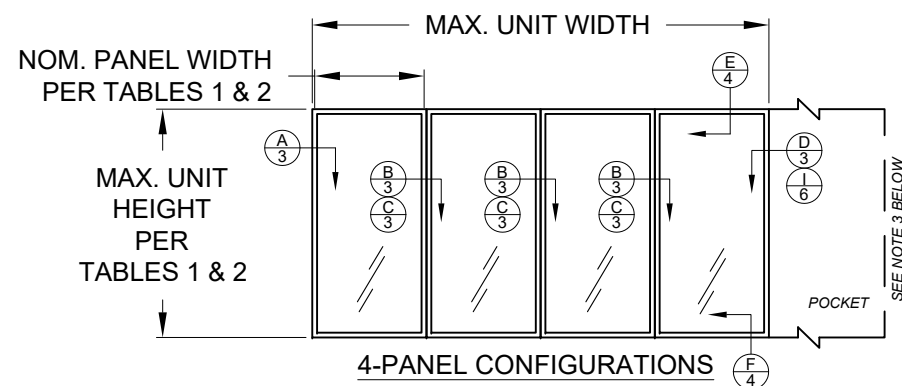
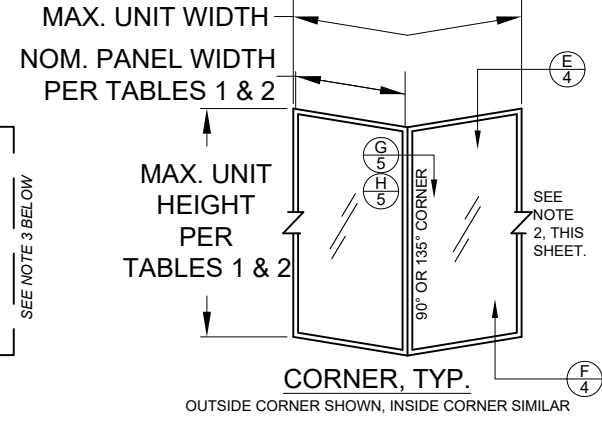
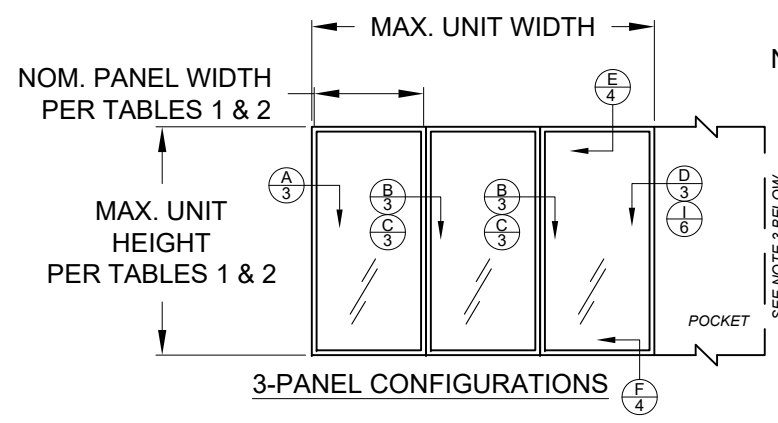
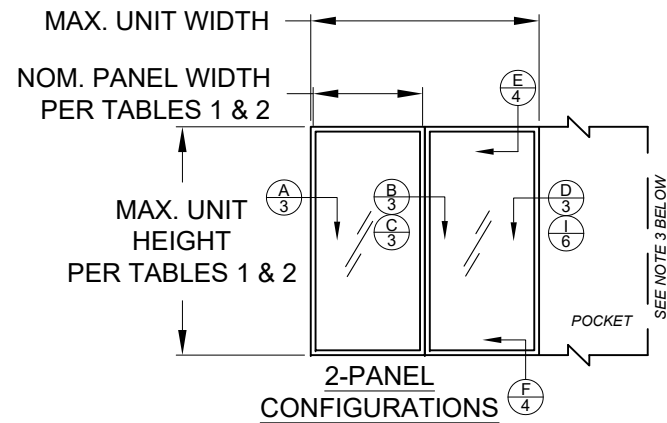
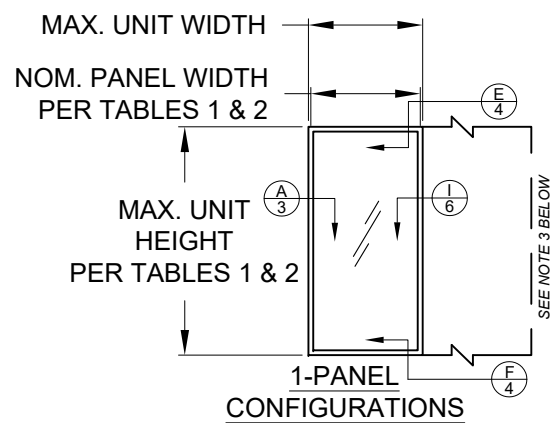
DESIGN PRESSURE RATING
VARIES, SEE SHEETS 7 & 8

WATER TEST PRESSURE
15% OF THE (+) DP
UNLESS NOTED OTHERWISE

IMPACT RATING
NOT RATED FOR MISSILE
IMPACT RESISTANCE

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		By			
		DWG No.			
PGT [®] WINDOWS and DOORS 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	VINYL SLIDING GLASS DOOR		GENERAL NOTES	1 OF 21
		Sheet			
		SGD5470			

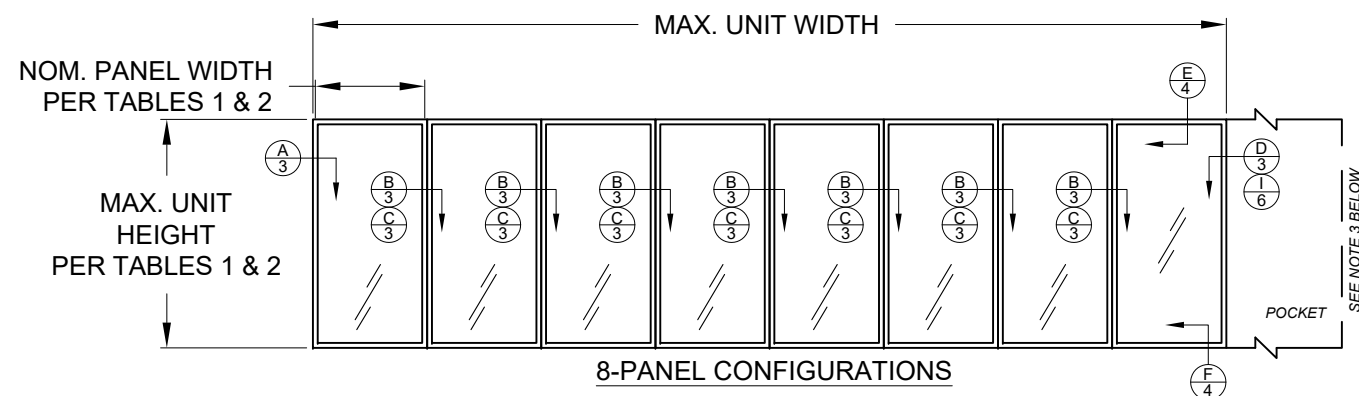
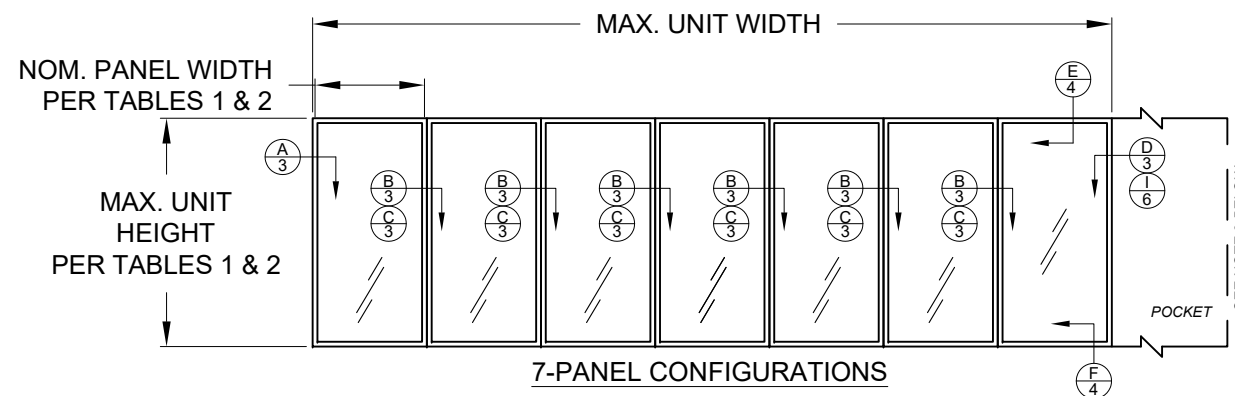
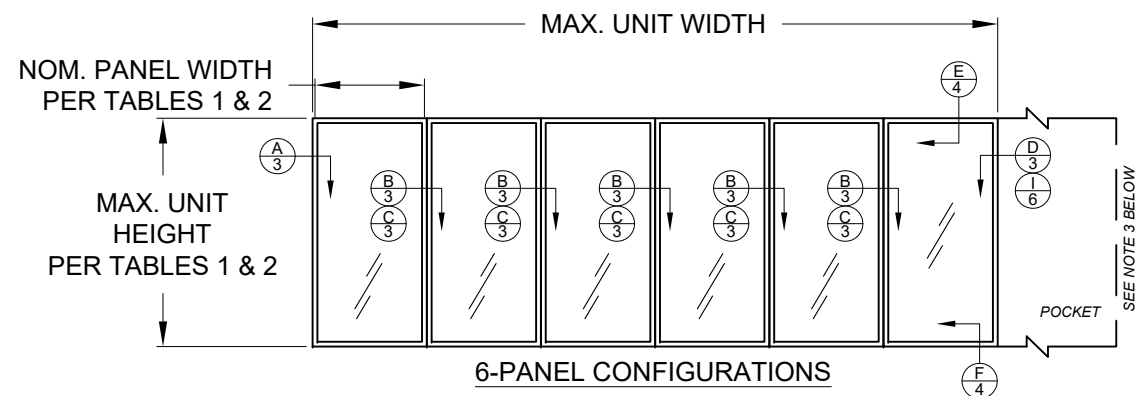




DETAIL LETTER
X

SHEET NUMBER

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"

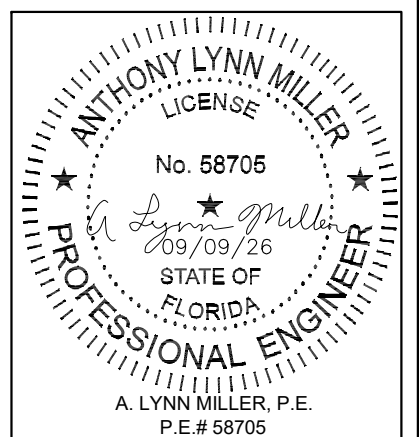


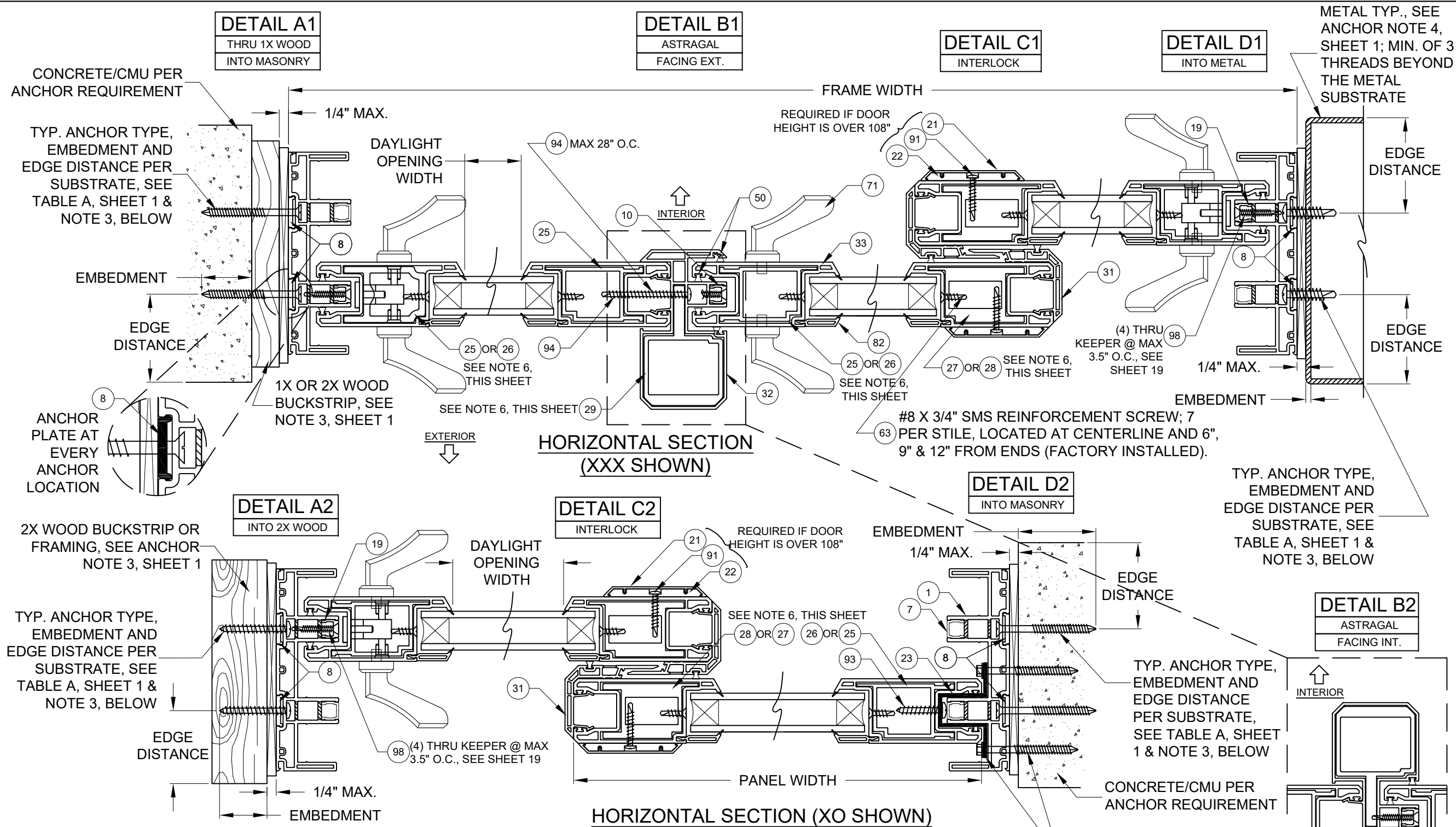
CONFIGURATIONS NOTES:

- 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.
- 5) MAX. ALLOWABLE FRAME SQUARE FOOTAGE = 472.656 FT²

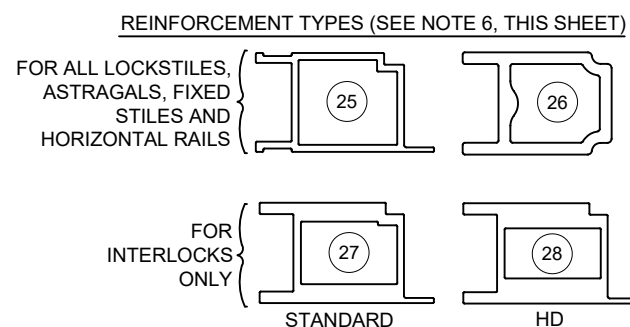
"X" = OPERABLE PANEL
"O" = INOPERABLE PANEL
"p" = POCKET

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PGT WINDOWS and DOORS 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296	
VINYL SLIDING GLASS DOOR		09/09/26	
EXAMPLE CONFIGURATIONS		JENS ROSOWSKI	
SGD5470		2 OF 21	
SGD5470-NI-HVHZ		Date	





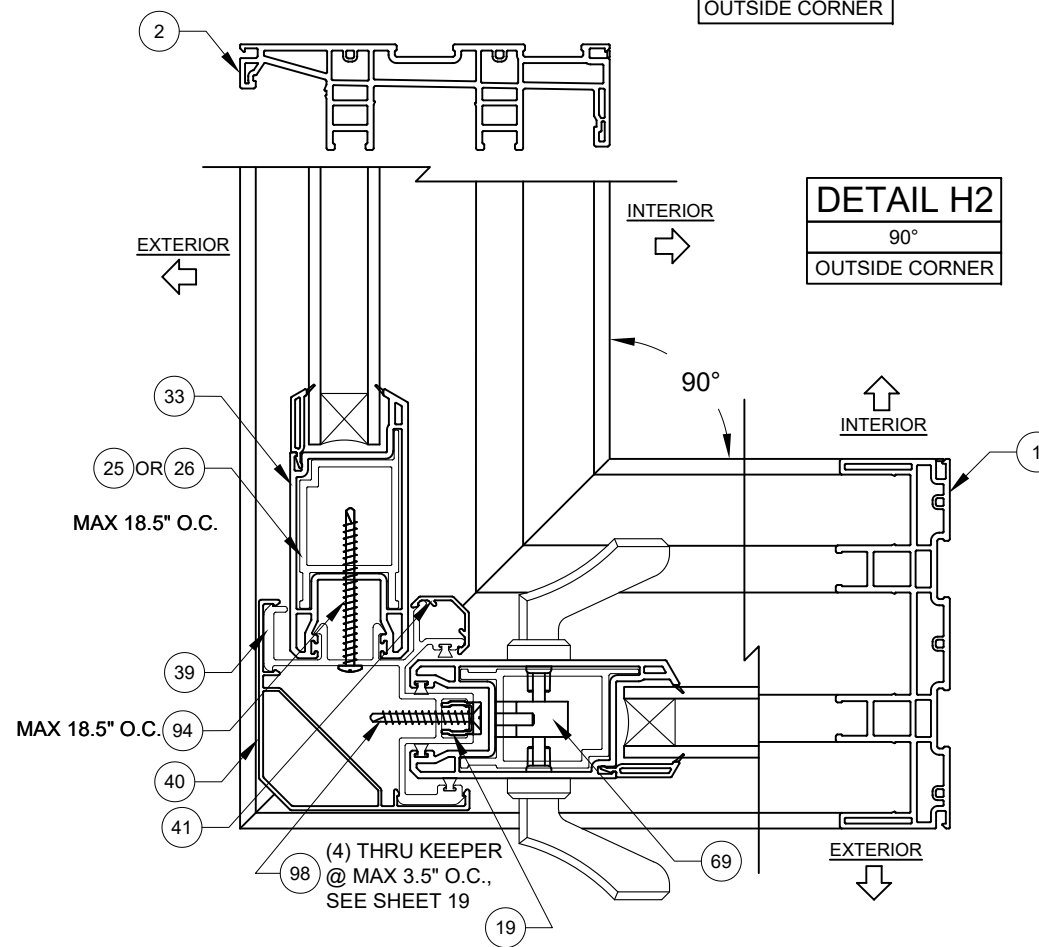
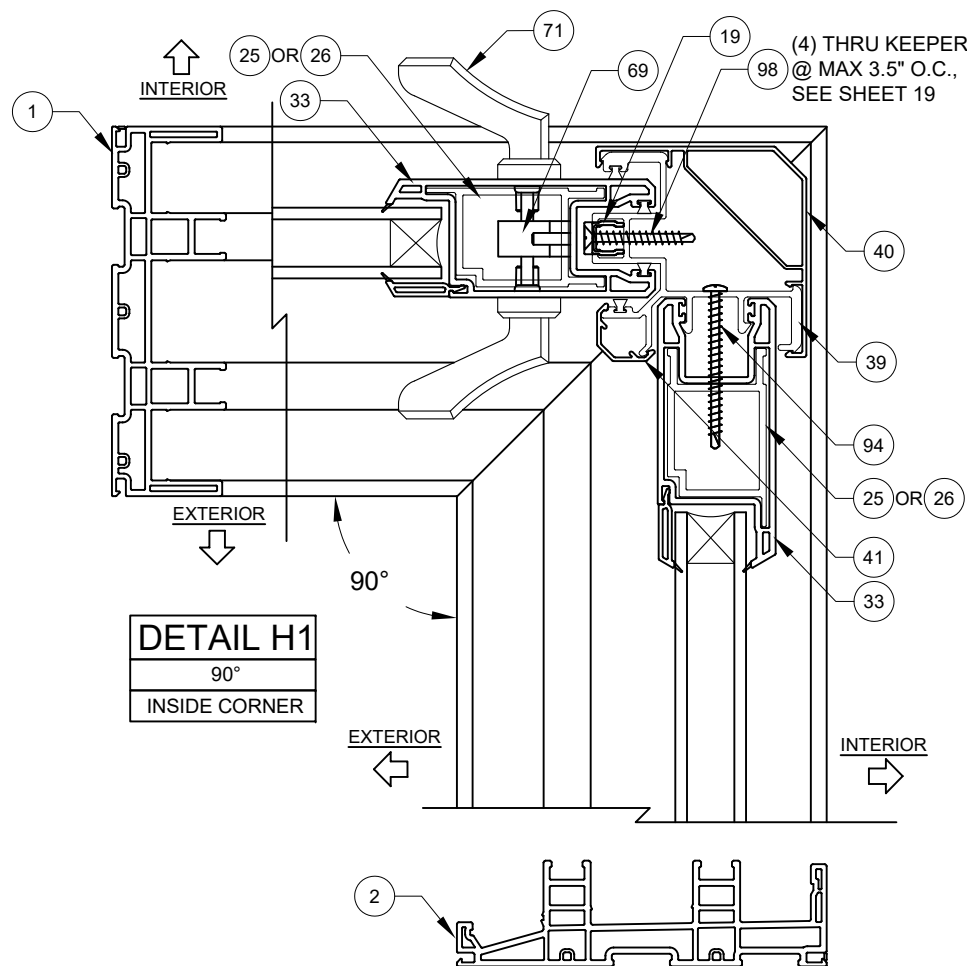
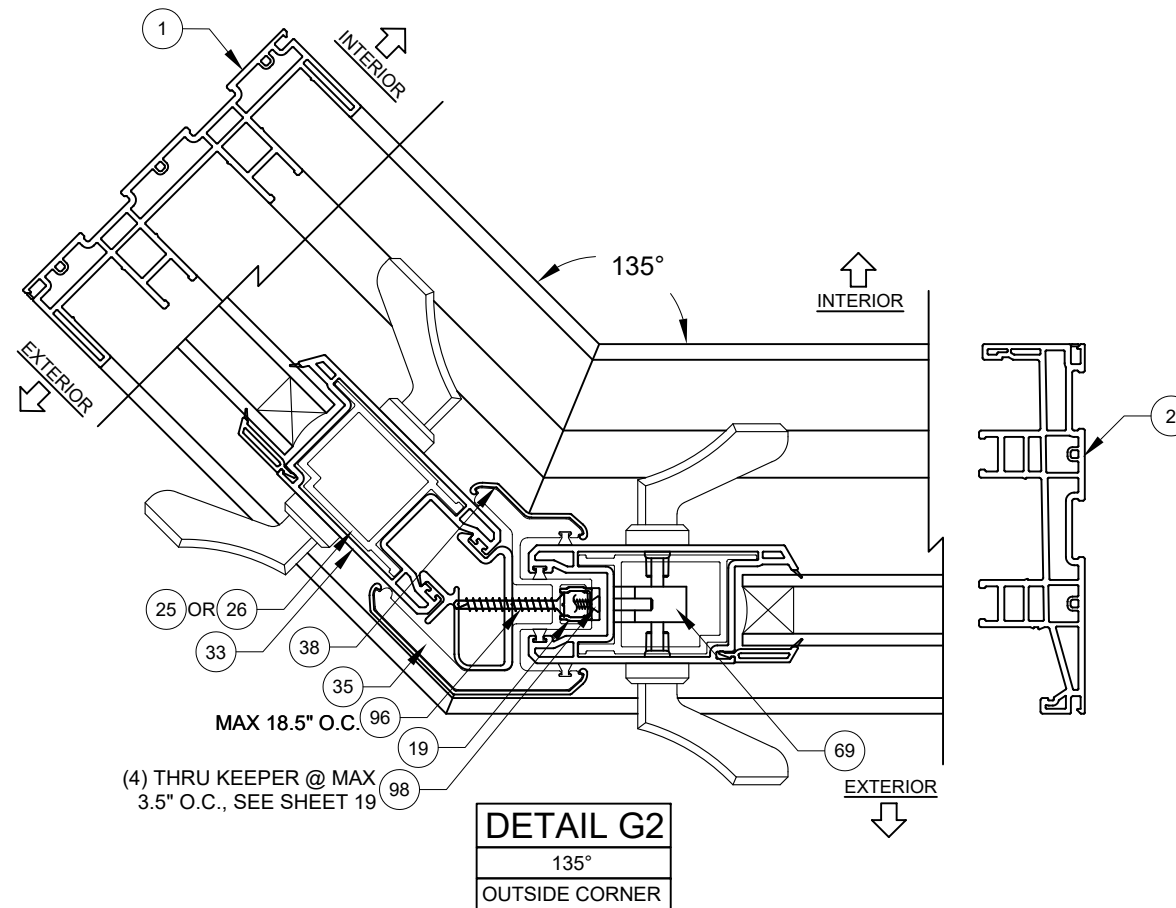
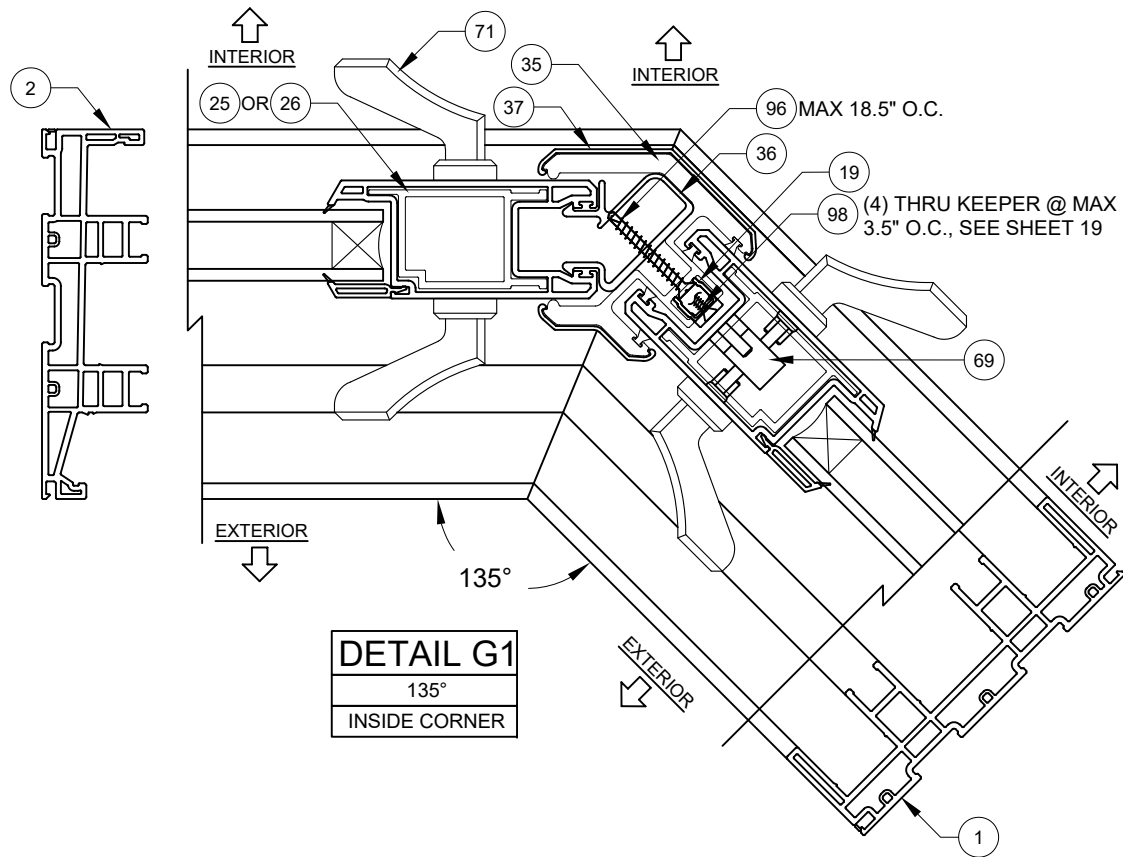
- NOTES**
- 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
 - 2) REFER TO ANCHOR NOTES, SHEET 1.
 - 3) SEE SHEET 13 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 1 & 2.
 - 4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
 - 5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR ASTRAGAL ADD-ON.
 - 6) SEE TABLES 1 & 2 FOR REINFORCEMENT REQUIREMENTS. ALL REINFORCEMENTS ARE APPROXIMATELY THE FULL LENGTH OF THE EXTRUSION. REFER TO TEST REPORTS FOR EXACT DIMENSIONS.
 - 7) SEE SHEET 20 FOR SCREEN DETAILS.



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

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VINYL SLIDING GLASS DOOR Horizontal Cross Sections		Date: 09/09/26 By: JENS ROSOWSKI	
SGD5470		3 OF 21	
SGD5470-NI-HVHZ			

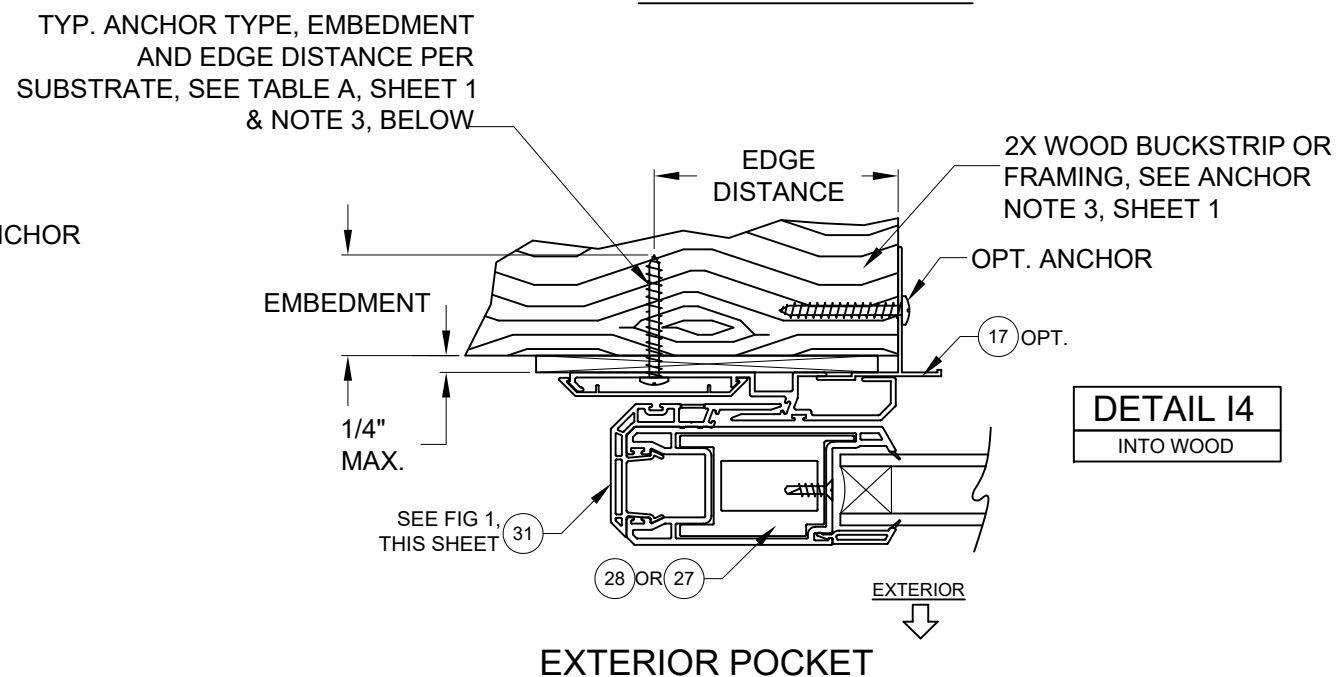
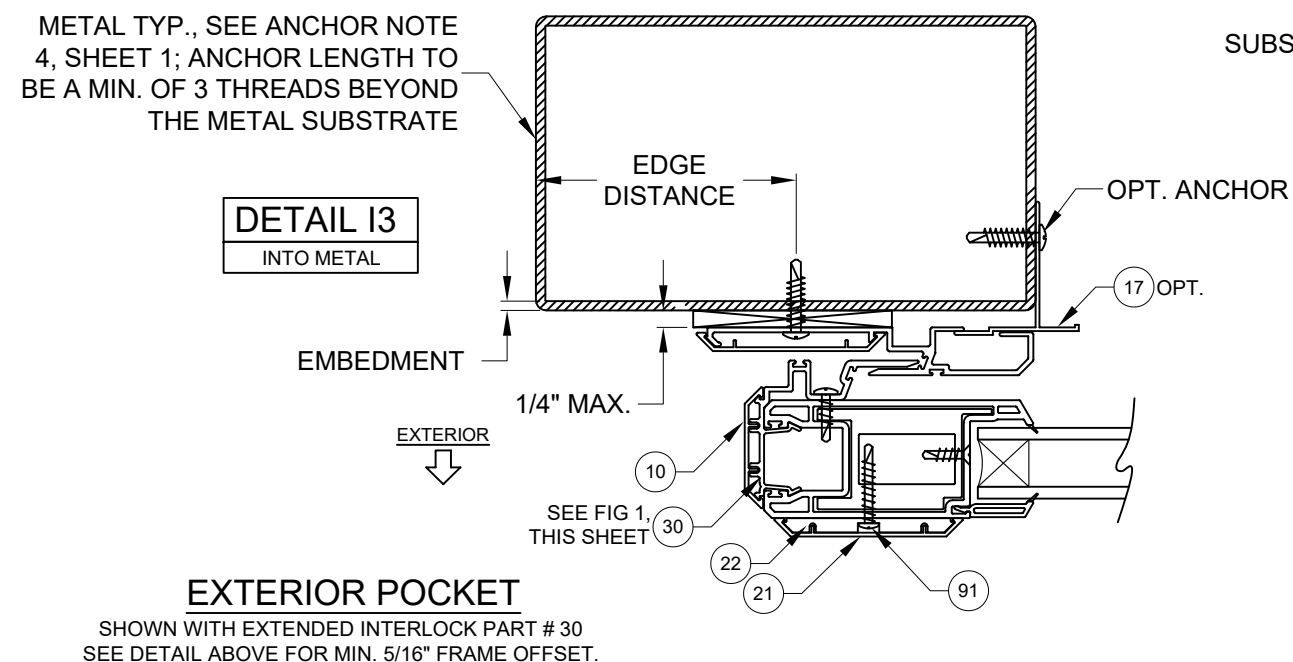
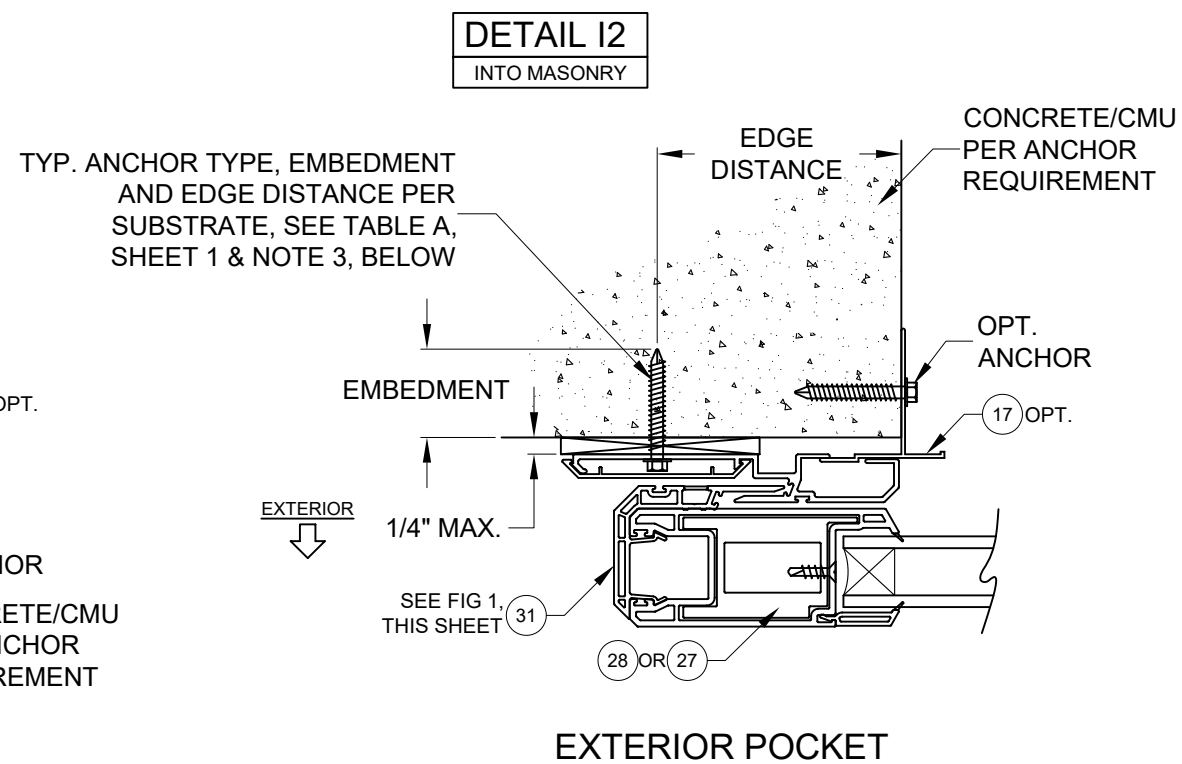
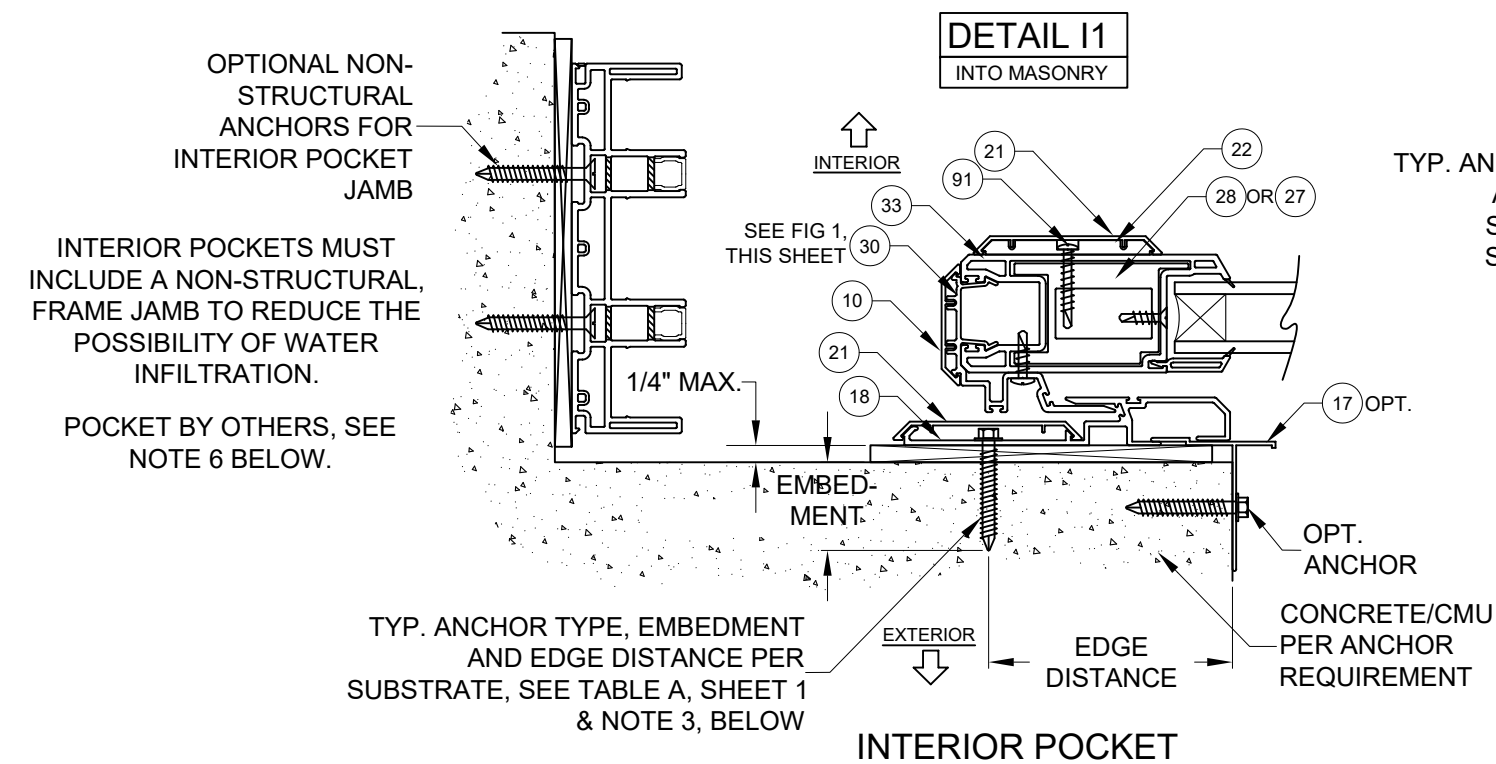
ANTHONY LYNN MILLER
LICENSE
No. 58705
09/09/26
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



- NOTES**
- 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
 - 2) SEE SHEETS 14 & 15 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 1 & 2.
 - 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 By JENS ROSOWSKI
Series SGD5470	Desc. CORNER HORIZ. X-SECTION	DWG No. 5 OF 21	Title SGD5470-NI-HVHZ

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

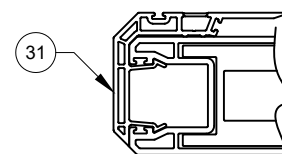


NOTES

- 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
- 2) REFER TO ANCHOR NOTES, SHEET 1.
- 3) SEE SHEET 13 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 1 & 2.
- 4) SEE TABLES 1 & 2 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.

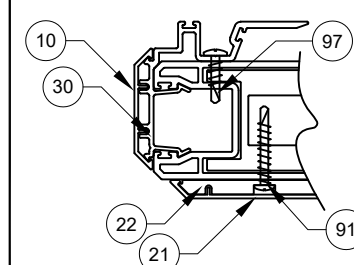
FIGURE 1, INTERLOCKS AT POCKETS:

FOR DOOR HEIGHTS 96" AND LESS:



FOR DOOR HEIGHTS OVER 96"

21.9" MAX. O.C.



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		REGISTRATION #29296		09/09/26	
VINYL SLIDING GLASS DOOR		JENS ROSOWSKI		SGD5470-NI-HVHZ	
POCKET HORIZ. X-SECTION		By		DWG No.	
6 OF 21		Sheet		SGD5470	
Series		Less.		Title	

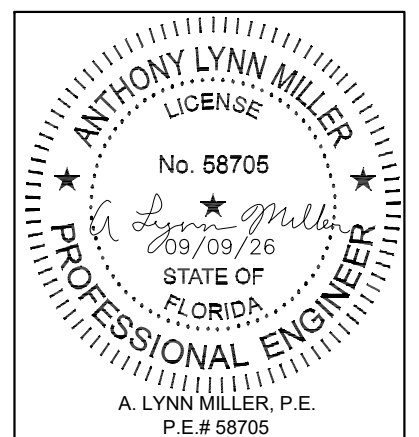


TABLE 1:

Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheet 2)															
Use this table for: 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	+127.1 / -127.1 psf				+120 / -120 psf				+102.9 / -102.9 psf			
			Head/Sill	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1
			Jamb	5	5	6	5	5	5	6	5	5	5	6	5
			P-hook	7	7	7	7	7	7	7	7	8	8	8	8
	30"	22-5/8" DLO Width	Design Pressure	+106.3 / -106.3 psf				+100.2 / -100.2 psf				+85.3 / -85.3 psf			
			Head/Sill	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1
			Jamb	5	5	6	5	5	5	6	5	5	5	6	5
			P-hook	7	7	7	7	7	7	7	7	8	8	8	8
	36"	28-5/8" DLO Width	Design Pressure	+92.9 / -92.9 psf				+87.3 / -87.3 psf				+73.8 / -73.8 psf			
			Head/Sill	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1
			Jamb	5	5	6	5	5	5	6	5	5	5	6	5
			P-hook	7	7	7	7	7	7	7	7	8	8	8	8
	42"	34-5/8" DLO Width	Design Pressure	+78.4 / -78.4 psf				+78.4 / -78.4 psf				+65.8 / -65.8 psf			
			Head/Sill	C5+2	C3+1	C3+1	C3+1	C5+2	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1
			Jamb	5	5	5	5	5	5	6	5	5	5	6	5
			P-hook	7	7	7	7	7	7	7	7	8	8	8	8
	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 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 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.

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 ANCHORAGE SPACING, EDGE DISTANCE AND EMBEDMENT INFORMATION.

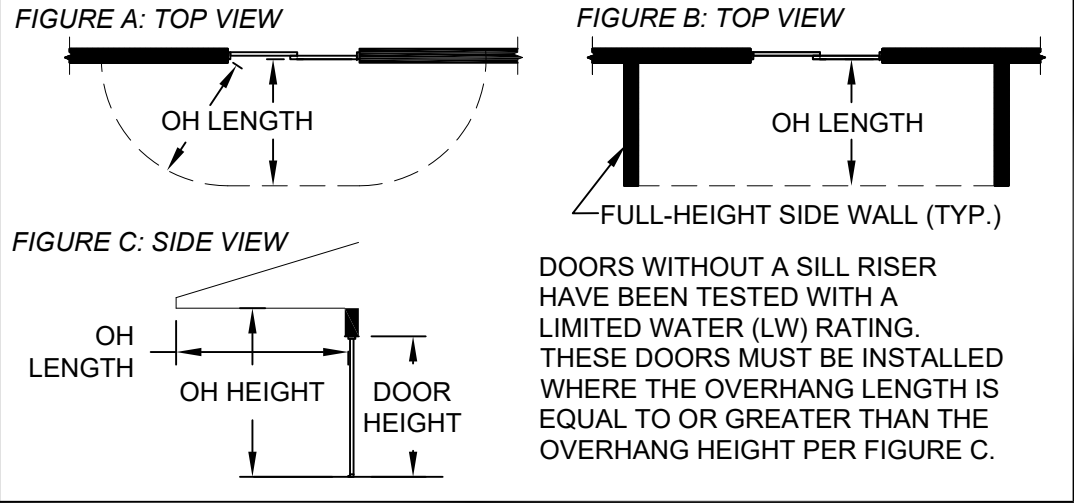
4) JAMB ANCHORS ARE SPECIFIED AS THE TOTAL QUANTITY, DIVIDE BY 2 FOR PAIRS TO BE INSTALLED.

TABLE 1A:

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"	+100.0

* SEE SHEET 4

LIMITED WATER (LW) OVERHANG DETAIL:



PGT[®] WINDOWS and DOORS

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

REGISTRATION #29296

VINYL SLIDING GLASS DOOR

DP & ANCHOR QUANTITY TABLE

SGD5470

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

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Sheet

DWG No.

ANTHONY LYNN MILLER

LICENSE

No. 58705

09/09/26

STATE OF FLORIDA

PROFESSIONAL ENGINEER

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

TABLE 2:

Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheet 2)																															
Use this table for: 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			
Nominal Panel Width	24"	16-5/8" DLO Width	Design Pressure	+169.4 / -169.4 psf				+160 / -160 psf				+137.1 / -137.1 psf				+120 / -130 psf				+106.7 / -115.6 psf											
			Head/Sill	C5+1	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1								
			Jamb	5	5	7	5	5	5	7	5	5	5	7	5	6	6	8	6	6	6	8	6								
			P-hook	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	+141.8 / -141.8 psf				+133.6 / -133.6 psf				+113.8 / -113.8 psf				+99.1 / -107.4 psf				+87.8 / -95.1 psf											
			Head/Sill	C5+2	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1								
			Jamb	5	5	7	5	5	5	7	5	5	5	7	5	6	6	8	6	6	6	8	6								
			P-hook	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	+123.9 / -123.9 psf				+116.4 / -116.4 psf				+98.5 / -98.5 psf				+85.3 / -92.4 psf				+75.3 / -81.6 psf											
			Head/Sill	C5+2	C5+1	C5+2	C3+1	C5+2	C5+1	C5+2	C3+1	C5+2	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1								
			Jamb	5	5	7	5	5	5	7	5	5	5	7	5	6	6	8	6	6	6	8	6								
			P-hook	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	+104.5 / -104.5 psf				+104.5 / -104.5 psf				+87.8 / -87.8 psf				+75.7 / -82 psf				+66.5 / -72 psf											
			Head/Sill	C5+2	C3+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1	C5+2	C5+1	C5+2	C3+1	C5+2	C5+1	C5+2	C3+1	C5+1	C5+1	C5+1	C3+1								
			Jamb	5	5	7	5	5	5	7	5	5	5	7	5	6	6	8	6	6	6	8	6								
			P-hook	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	+80 / -80 psf				+80 / -80 psf				+80 / -80 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	6	5	5	5	7	5	6	6	7	6	6	6	8	6								
			P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10								
	54"	46-5/8" DLO Width	Design Pressure	+74.1 / -74.1 psf				+74.1 / -74.1 psf				+63.8 / -63.8 psf				Not available in these sizes.															
			Head/Sill	C5+2	C3+2	C3+2	C3+1	C5+2	C3+2	C5+2	C3+1	C5+2	C3+2	C5+2	C3+1																
			Jamb	5	5	6	5	5	5	6	5	5	5	6	5																
			P-hook	7	7	7	7	7	7	7	7	8	8	8	8																
	60"	52-5/8" DLO Width	Design Pressure	+60 / -60 psf				+60 / -60 psf				+60 / -60 psf																			
			Head/Sill	C3+2	C3+2	C3+2	C3+1	C5+2	C3+2	C3+2	C3+1	C5+2	C3+2	C5+2	C3+1																
			Jamb	5	5	5	5	5	5	5	5	5	5	6	5																
			P-hook	7	7	7	7	7	7	7	7	8	8	8	8																

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"	+ 100.0

* 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.

FIGURE A: TOP VIEW

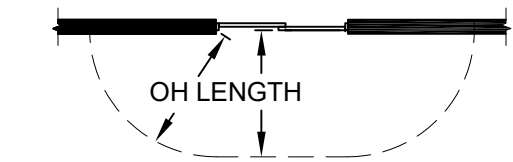


FIGURE C: SIDE VIEW

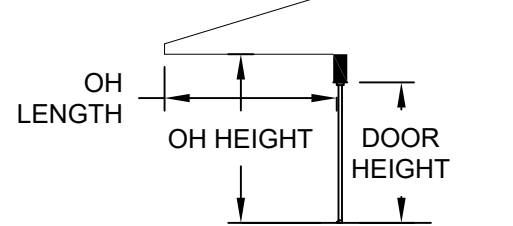
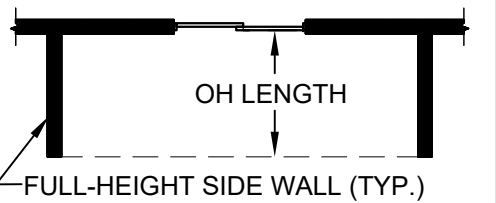


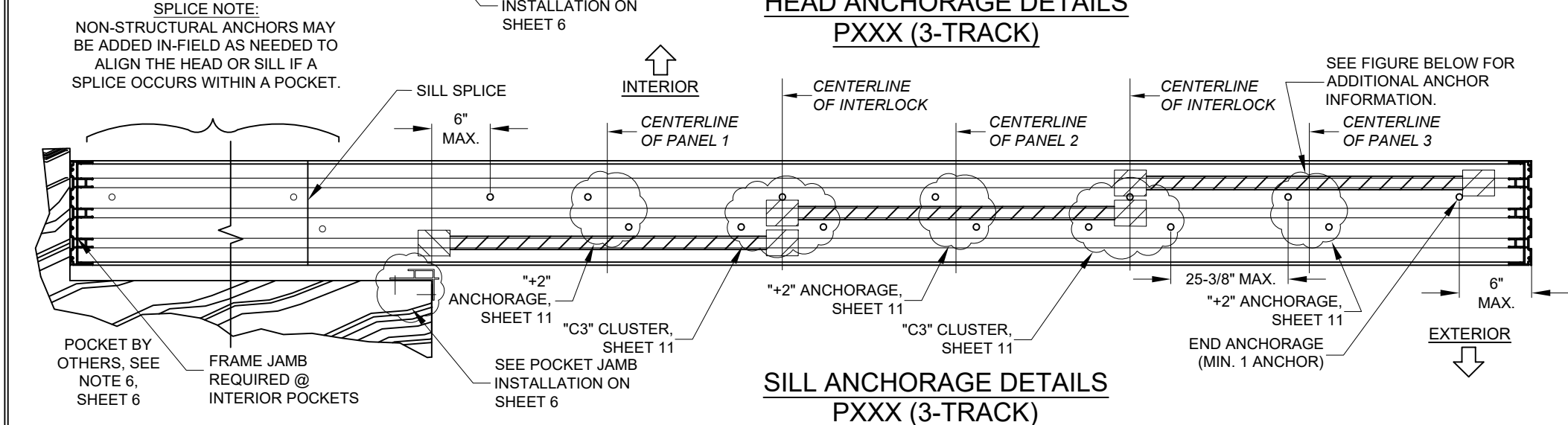
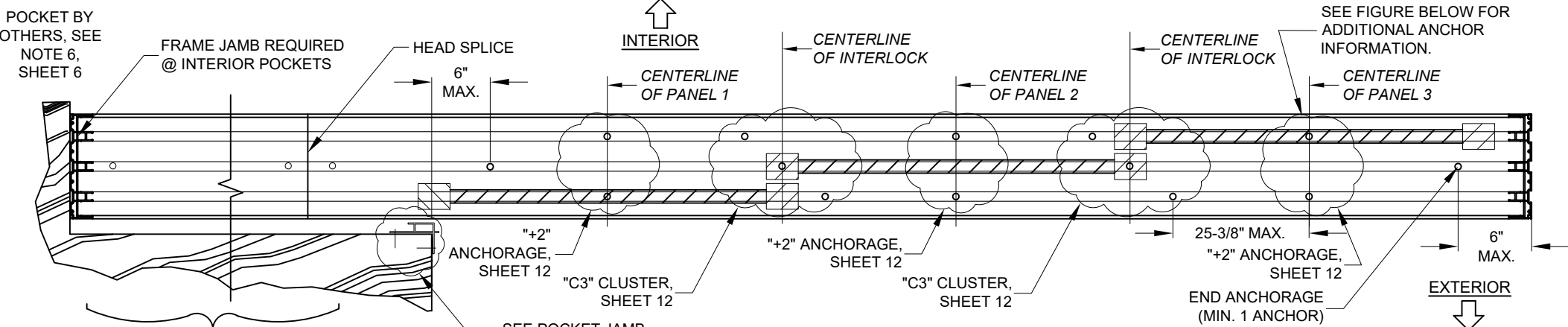
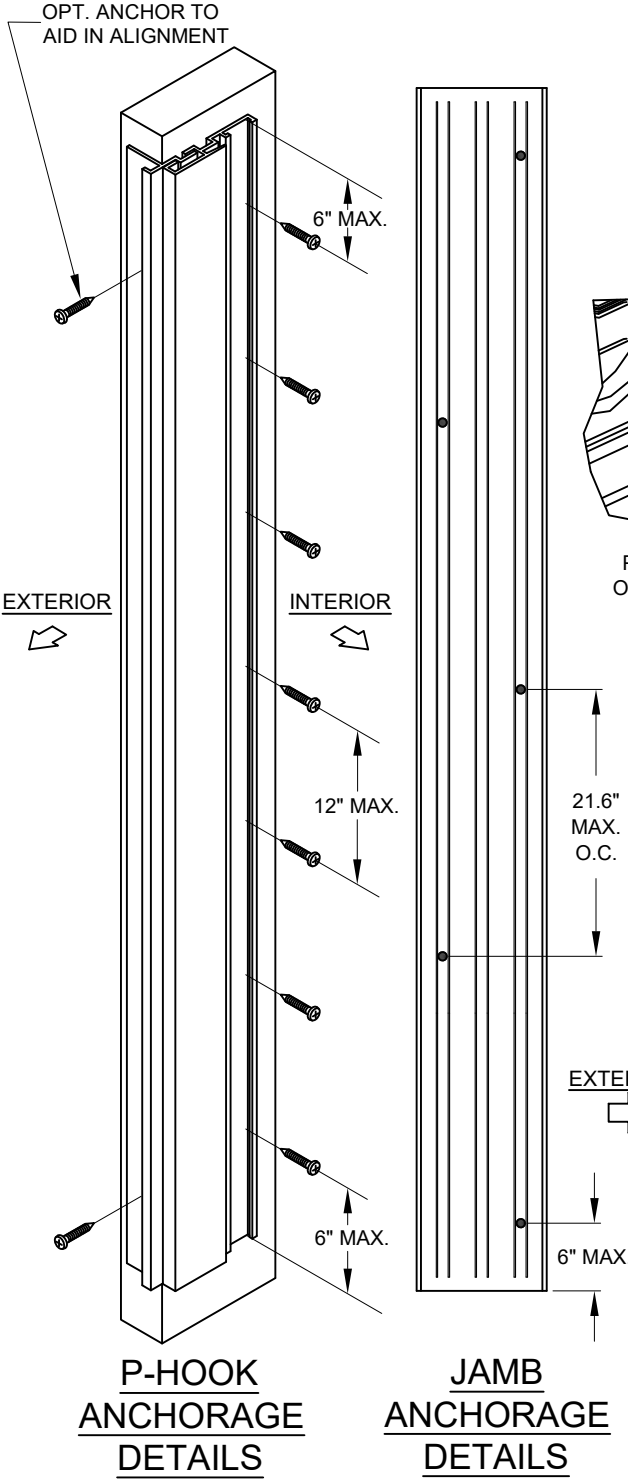
FIGURE B: TOP VIEW



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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PGT [®] WINDOWS and DOORS 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		VINYL SLIDING GLASS DOOR		DP & ANCHOR QUANTITY TABLE		Sheet	8 OF 21
A. LYNN MILLER, P.E. P.E.# 58705		ANTHONY LYNN MILLER LICENSE No. 58705 09/09/26 STATE OF FLORIDA PROFESSIONAL ENGINEER		SGD5470		Series Desc.		Title	

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 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.

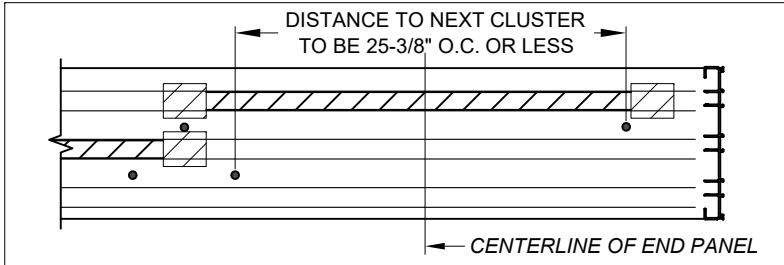
FOR WOOD INSTALLATION USING ANY ANCHOR IN GROUP A (SEE TABLE A), TABLE 1 SHOWS ANCHOR REQUIREMENTS OF:

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 12 FOR THE "+2" ANCHORS AT THE MIDSPAN OF EACH PANEL.
SILL (CLUSTER ANCHORS): SHEET 11 FOR THE "C3" CLUSTER ANCHORS AT THE INTERLOCK/ASTRAGAL.
SILL (INTERMEDIATE ANCHORS): SHEET 11 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 10 FOR SPECIFIC GLAZING TYPES.
C) SHEET 17 FOR ALLOWABLE PANEL TYPES AND CALL NAMES.
D) SHEETS 4 & 18 FOR EXTRUSION CROSS-SECTION DRAWINGS.
E) SHEET 19 FOR INSTALLATION OF ADDITIONAL ACCESSORIES.
F) SHEET 21 FOR A BILL OF MATERIALS.

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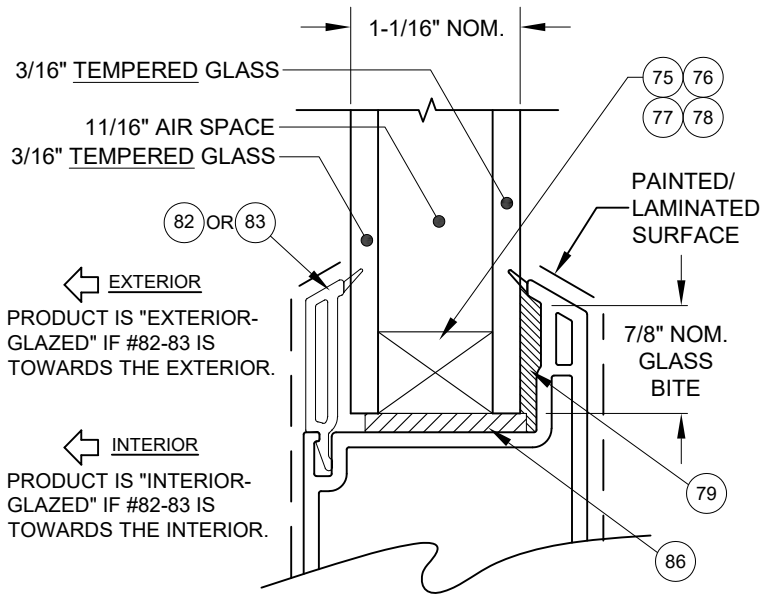
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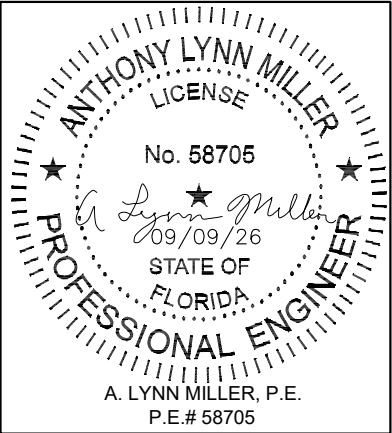
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GLASS DETAIL

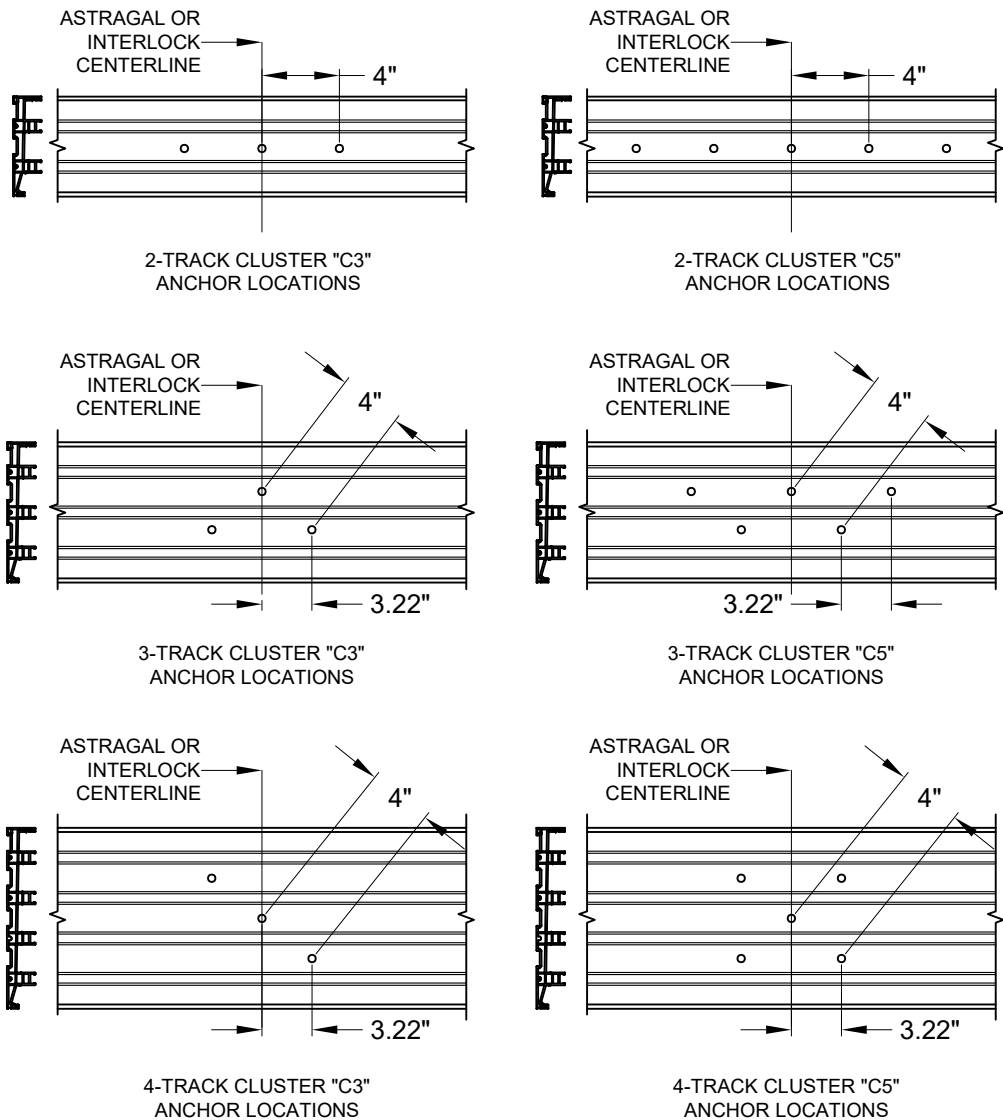
- NOTES:
- 1) BACKBEDDING SURFACES SHALL NOT BE PAINTED OR LAMINATED.
 - 2) PRODUCT MAY BE EITHER INTERIOR OR EXTERIOR GLAZED.



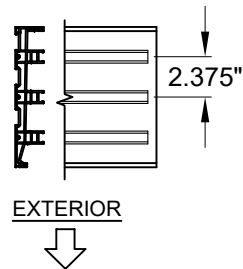
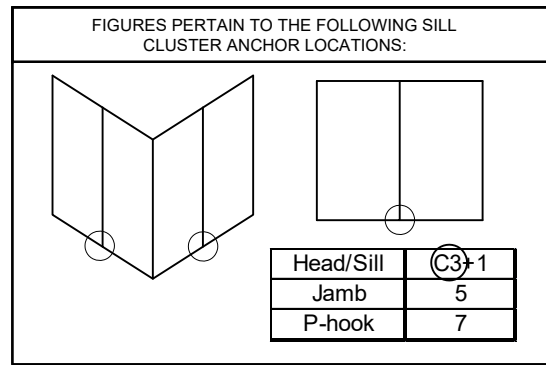
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	GLAZING DETAILS	JENS ROSOWSKI
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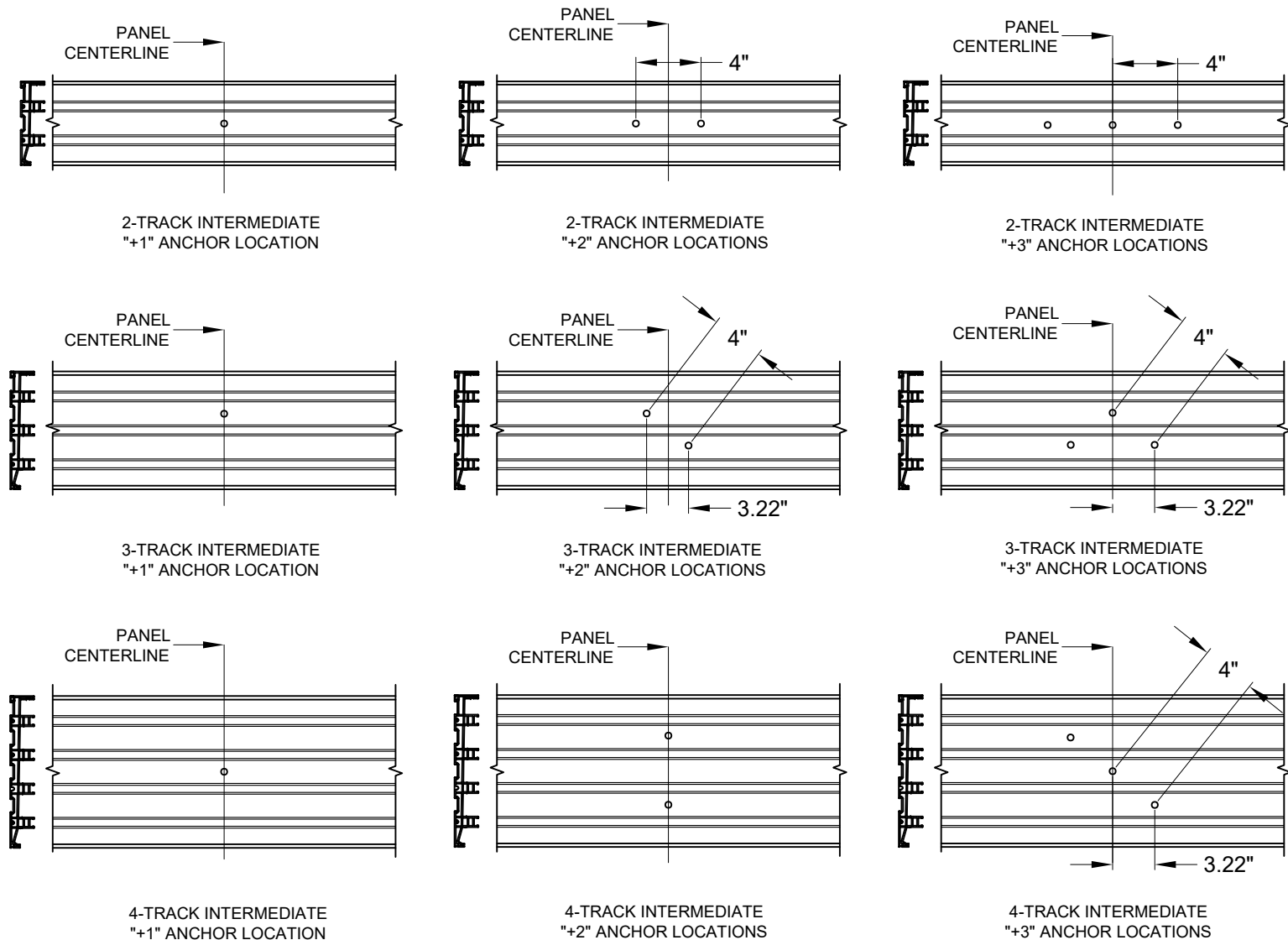
SILL CLUSTER ANCHORS LAYOUT:



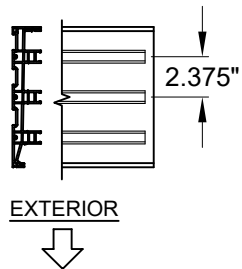
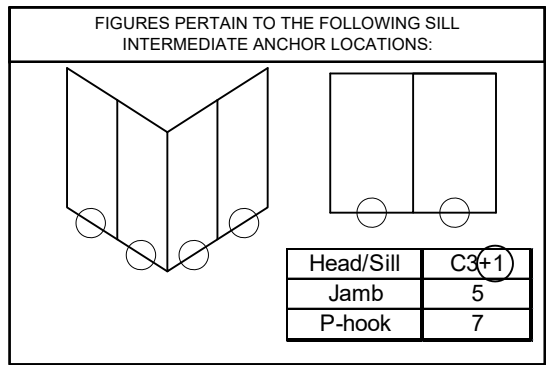
- NOTES:
- 1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
- 2) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL SILLS:



SILL "+" INTERMEDIATE ANCHORS LAYOUT:



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



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VINYL SLIDING GLASS DOOR

ANCHOR LOCATIONS A

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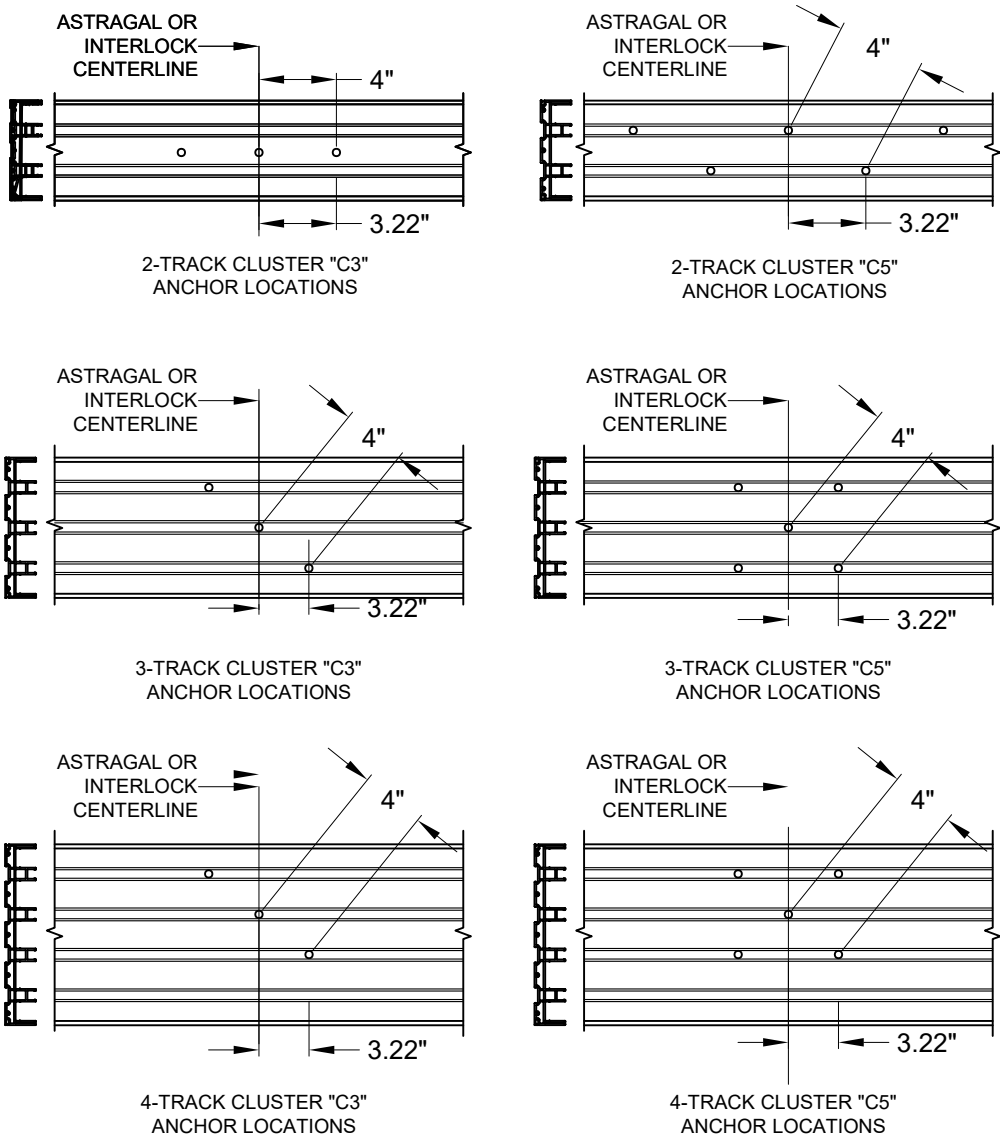
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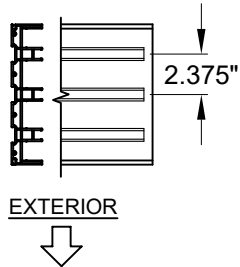
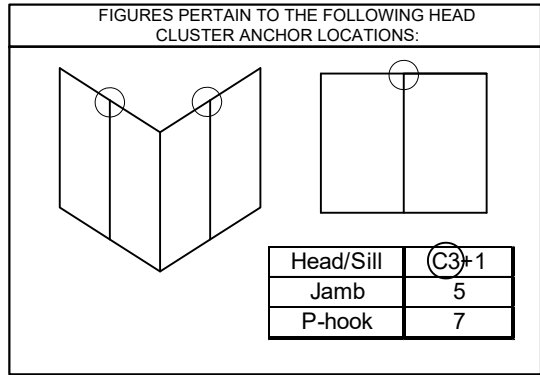
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HEAD CLUSTER ANCHORS LAYOUT:

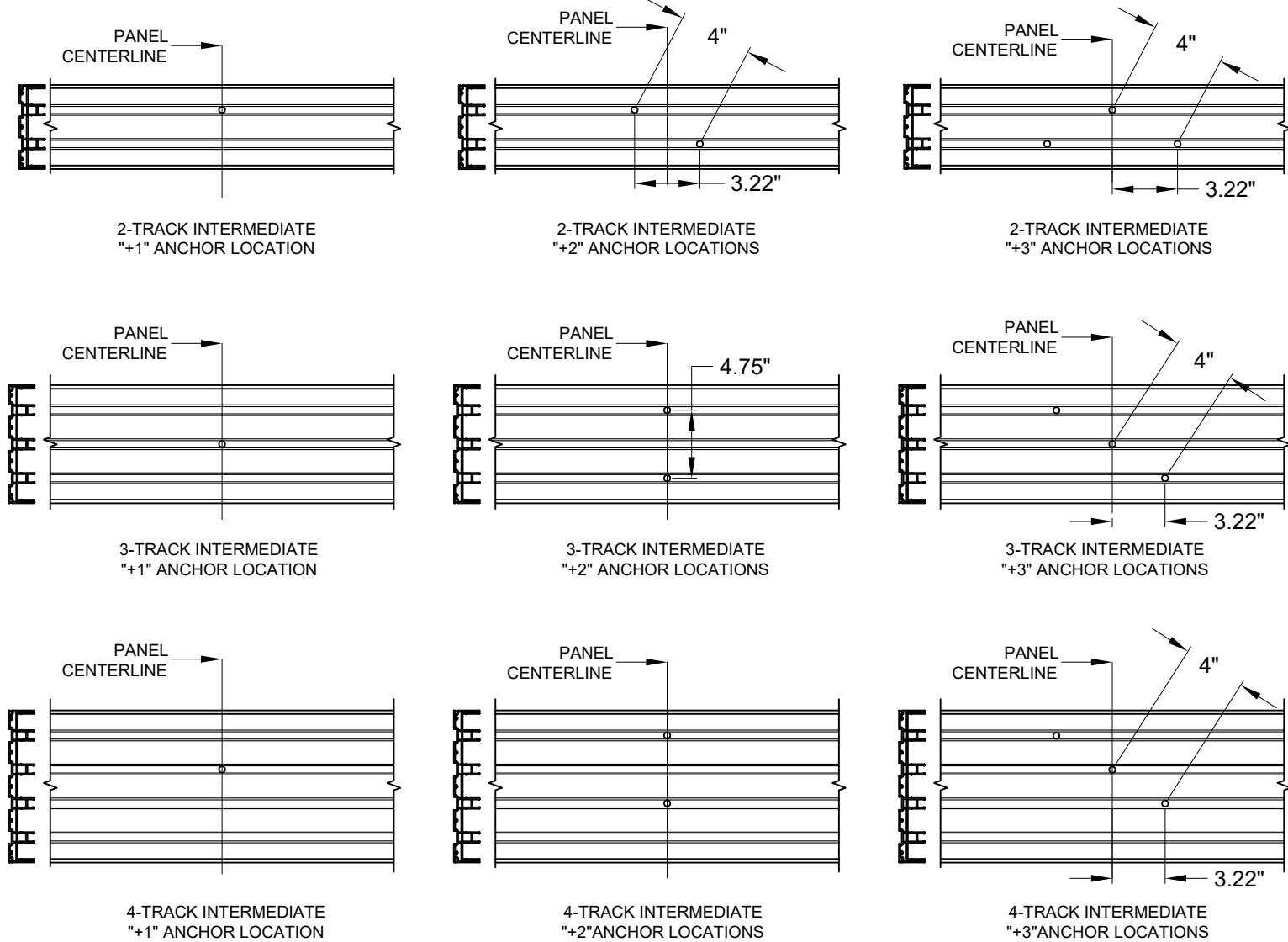


NOTES:

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

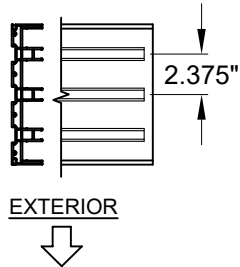
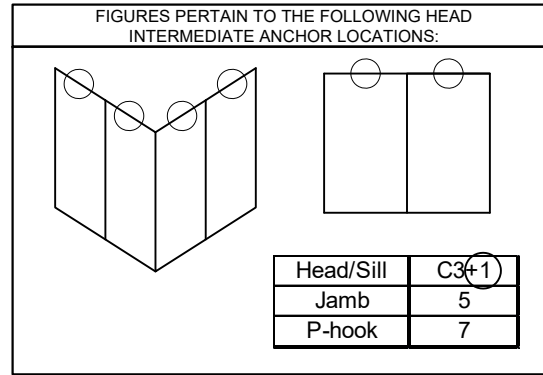


HEAD "+" INTERMEDIATE ANCHORS LAYOUT:



NOTES:

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



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ANCHOR LOCATIONS B

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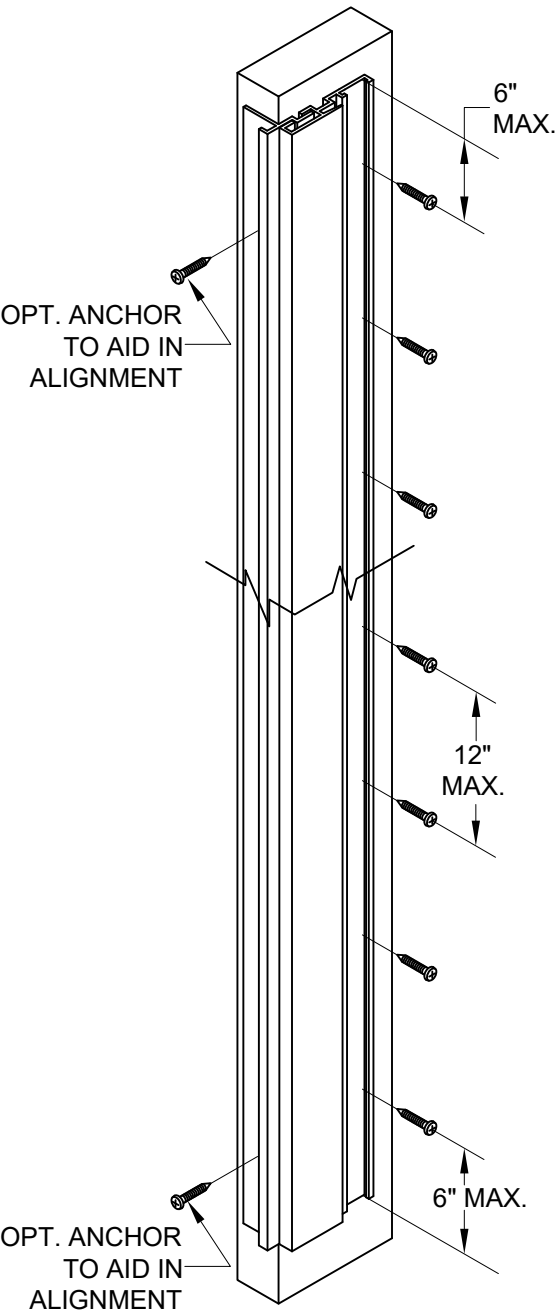
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P-HOOK ANCHORS LAYOUT:

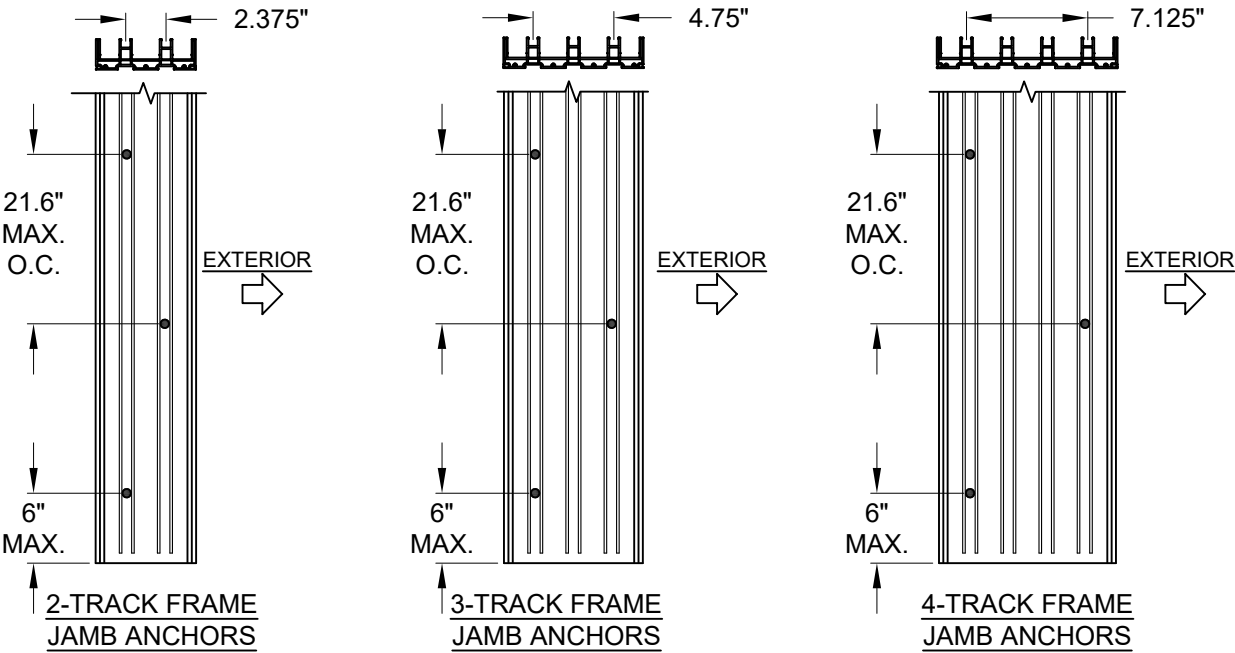


NOTES:
1) SEE TABLES 1 - 3 FOR EXACT QUANTITY OF ANCHORS REQUIRED IN THE P-HOOK.

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

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

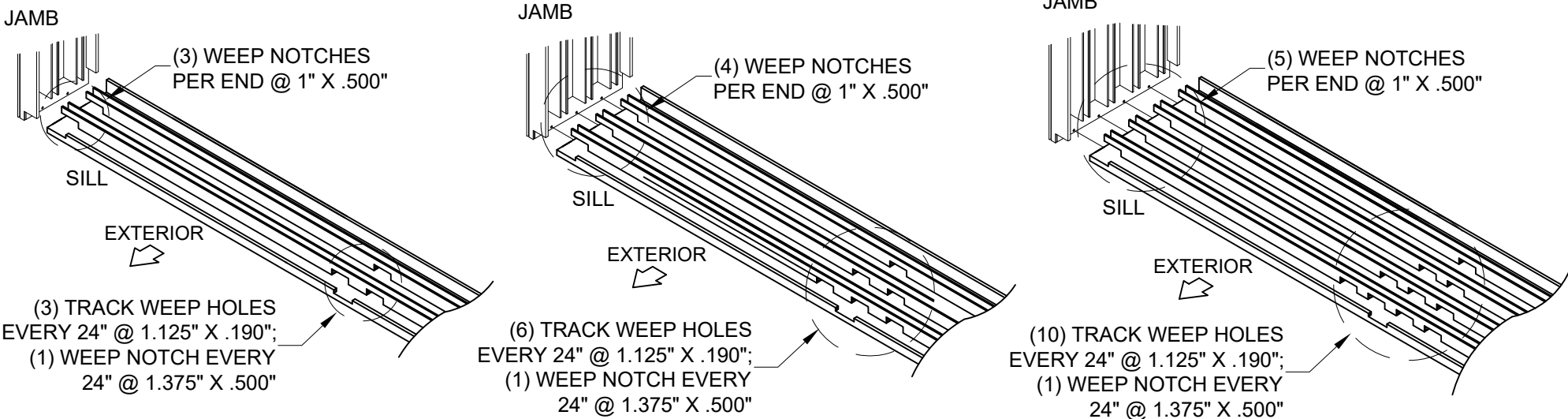
JAMB ANCHORS LAYOUT, (PARTIAL VIEW):



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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ANCHOR LOCATIONS C

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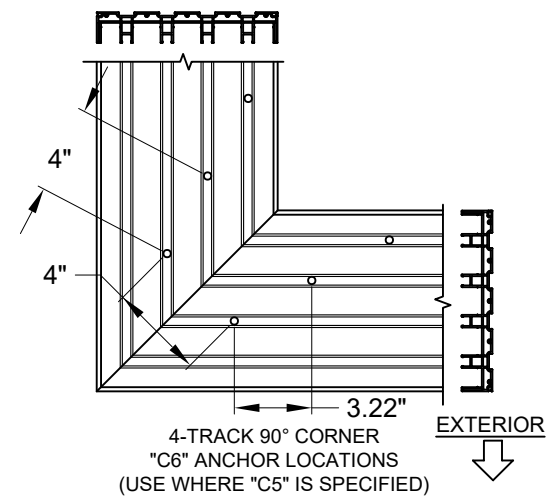
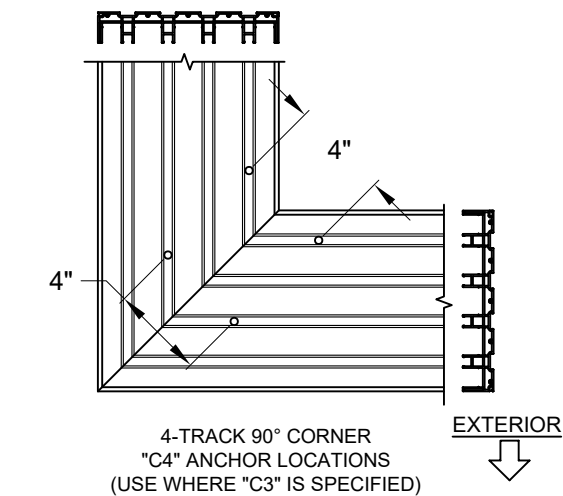
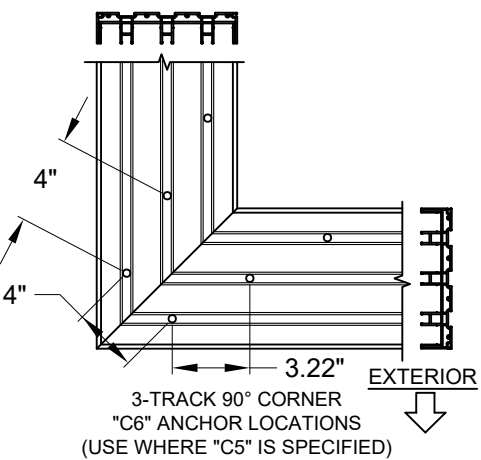
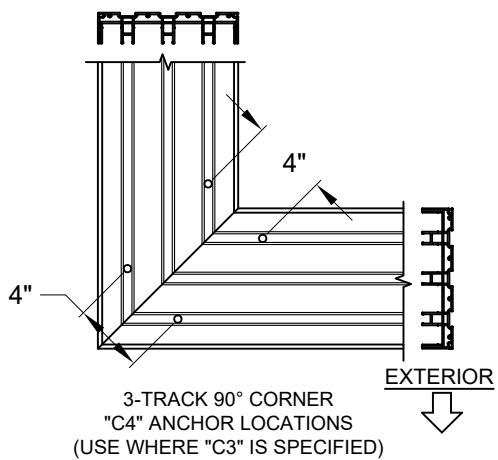
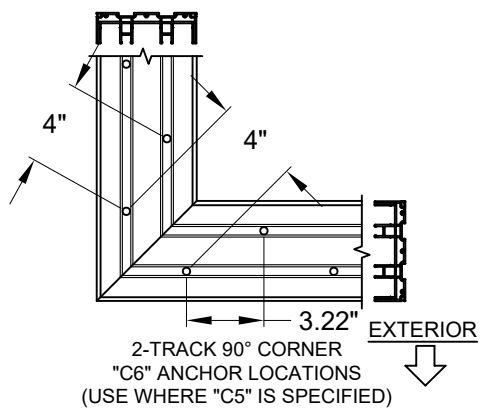
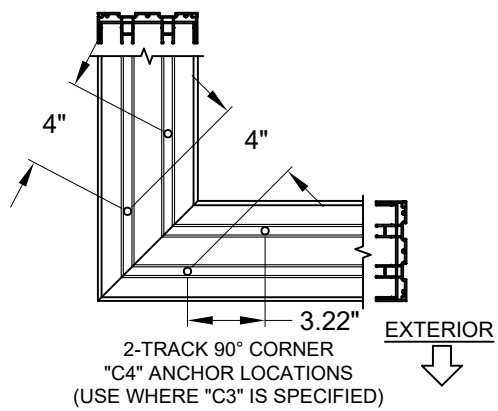
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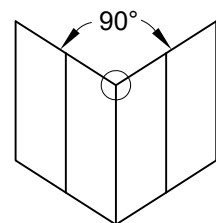
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STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

HEAD 90° CORNER CLUSTER ANCHORS LAYOUT:

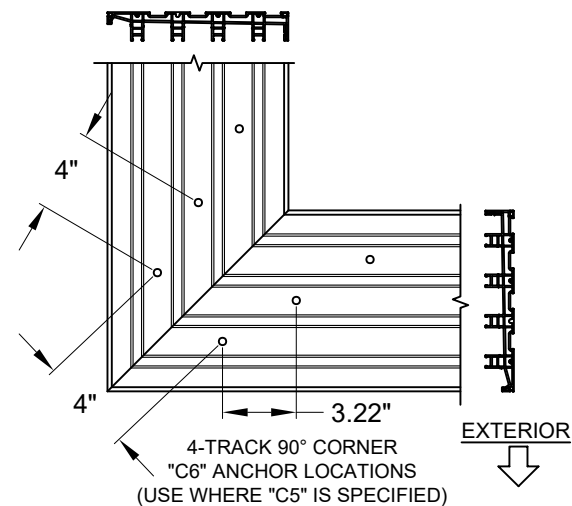
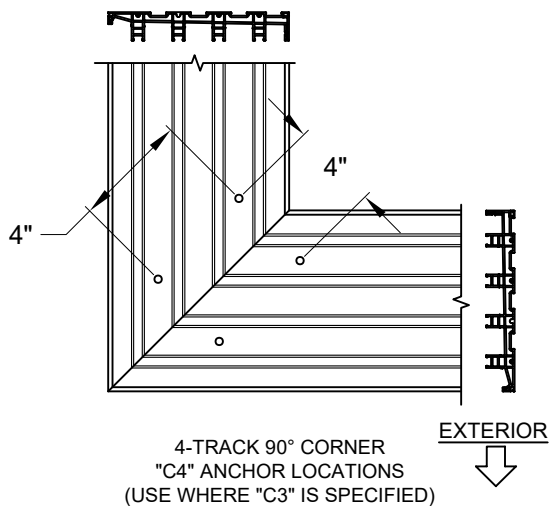
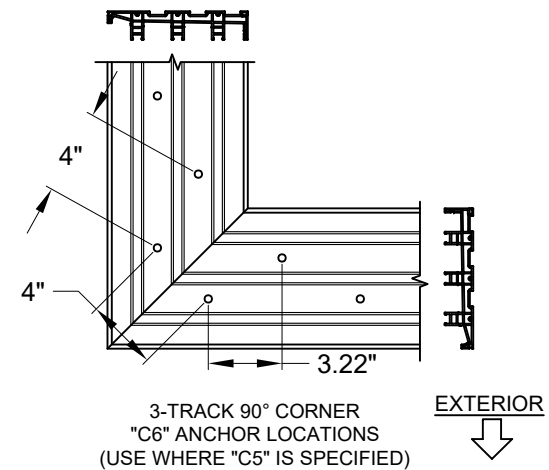
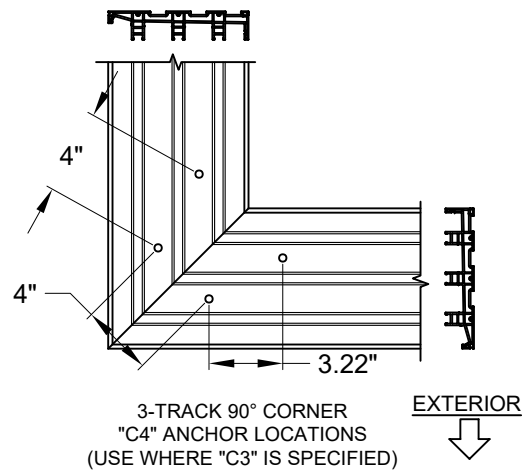
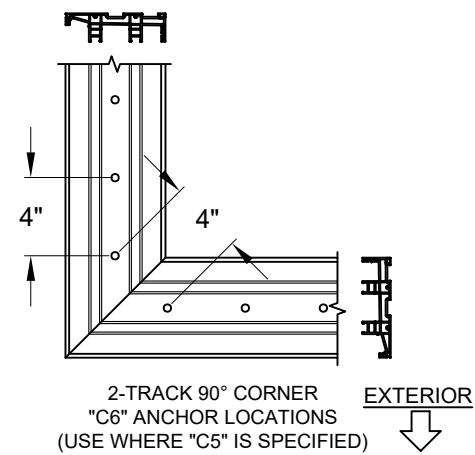
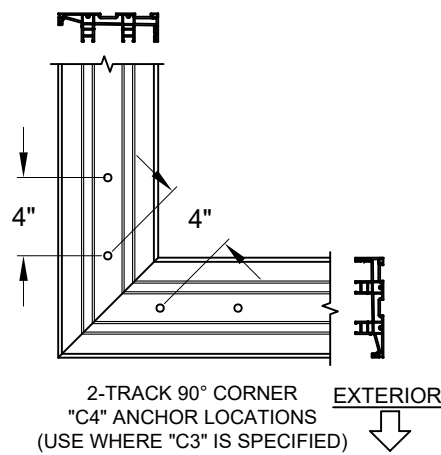


FIGURES PERTAIN TO THE FOLLOWING 90° CORNER HEAD ANCHOR LOCATIONS:

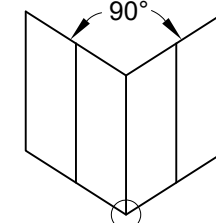


Head/Sill	(C3)+1
Jamb	5
P-hook	7

SILL 90° CORNER CLUSTER ANCHORS LAYOUT:



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



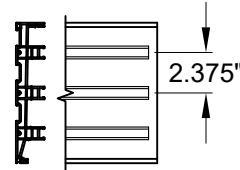
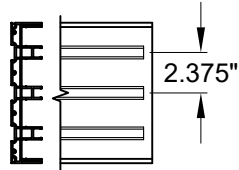
Head/Sill	(C3)+1
Jamb	5
P-hook	7

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:



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

REGISTRATION #29296

PREPARED BY A LYNN MILLER
3400 PRECISION DRIVE
N. VENICE, FL 34275
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VINYL SLIDING GLASS DOOR
ANCHOR LAYOUTS

14 OF 21

SGD5470

By JENS ROSOWSKI

Date 09/09/26

Rev.

SGD5470-NI-HVHZ

Rev.

ANTHONY LYNN MILLER

LICENSE

No. 58705

09/09/26

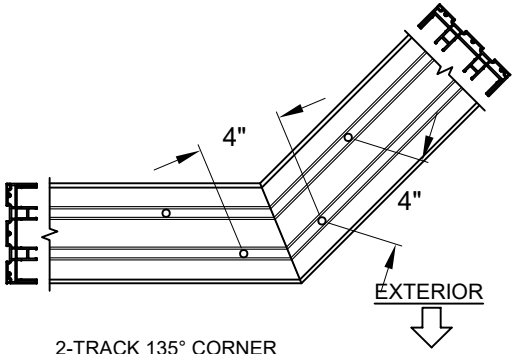
STATE OF FLORIDA

PROFESSIONAL ENGINEER

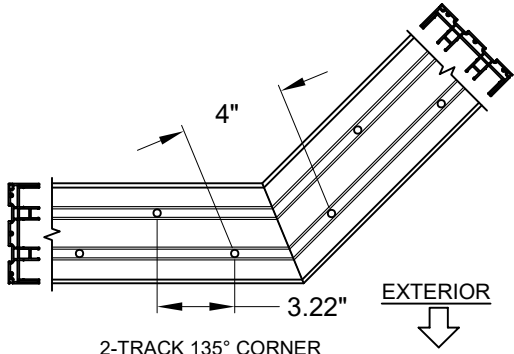
A. LYNN MILLER, P.E.
P.E.# 58705

HEAD 135° CORNER CLUSTER ANCHORS LAYOUT:

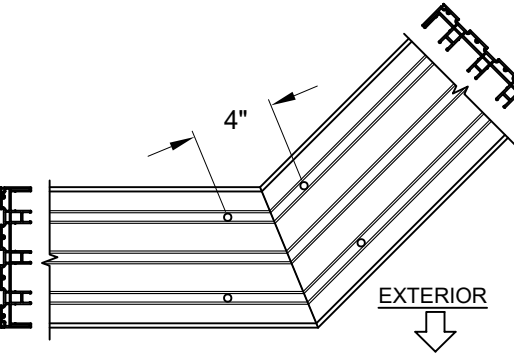
SILL 135° CORNER CLUSTER ANCHORS LAYOUT:



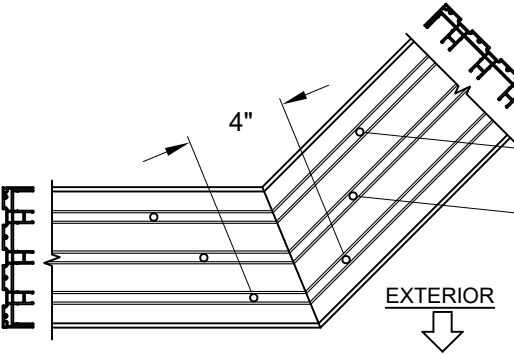
2-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



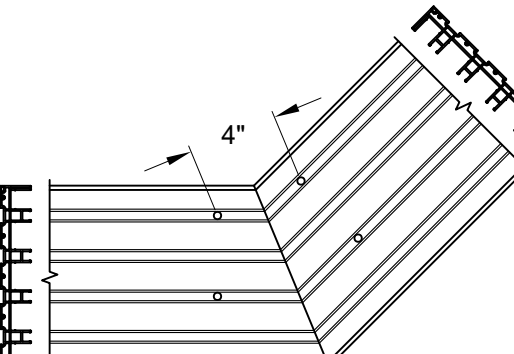
2-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



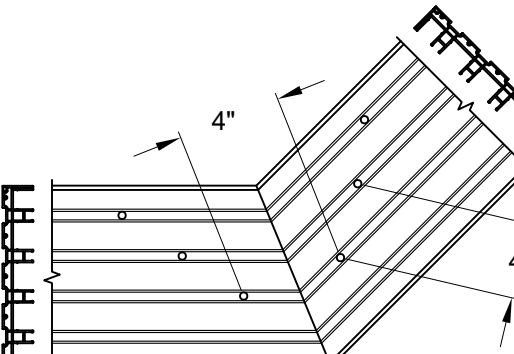
3-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



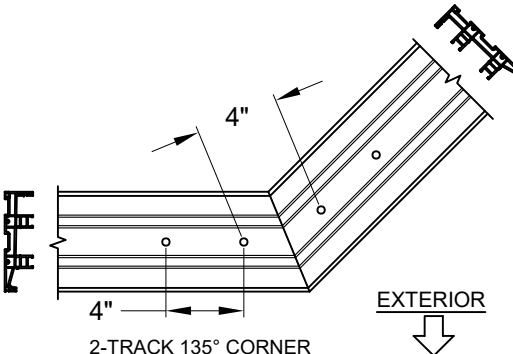
3-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



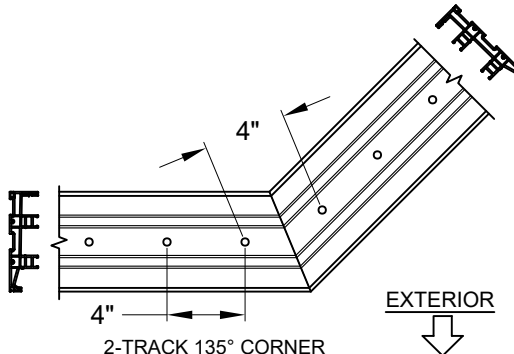
4-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



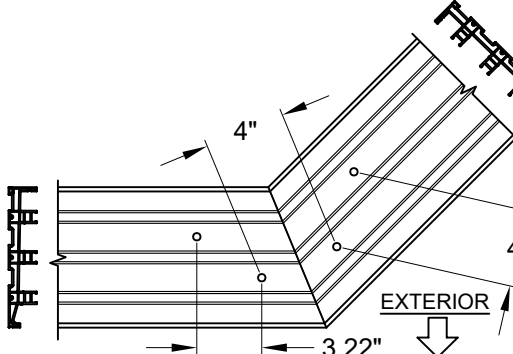
4-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



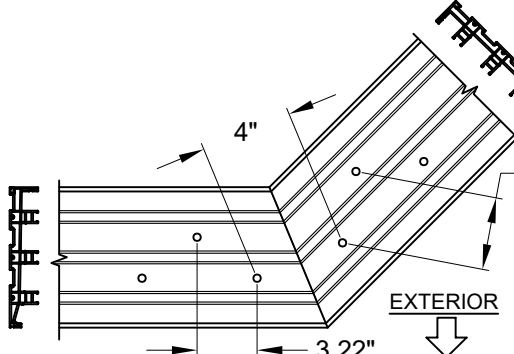
2-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



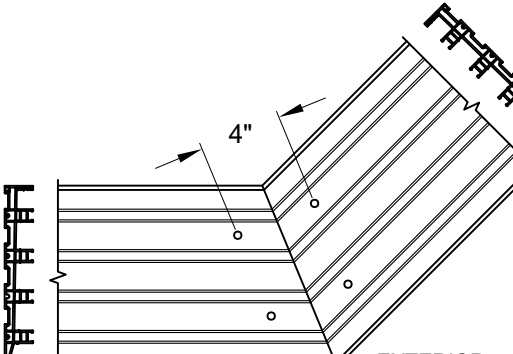
2-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



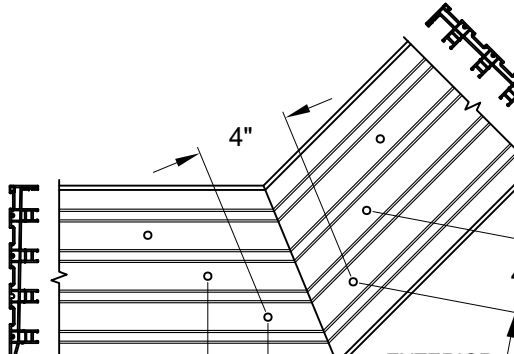
3-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



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

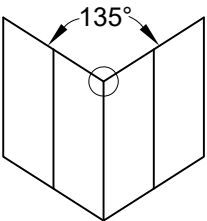


4-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



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

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



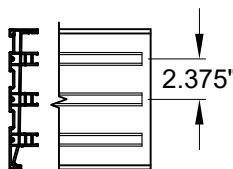
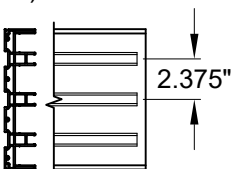
Head/Sill	(C3)+1
Jamb	5
P-hook	7

NOTES:

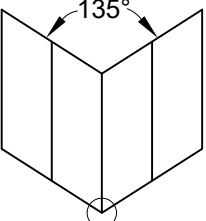
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

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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REGISTRATION #29296

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VINYL SLIDING GLASS DOOR
ANCHOR LAYOUTS

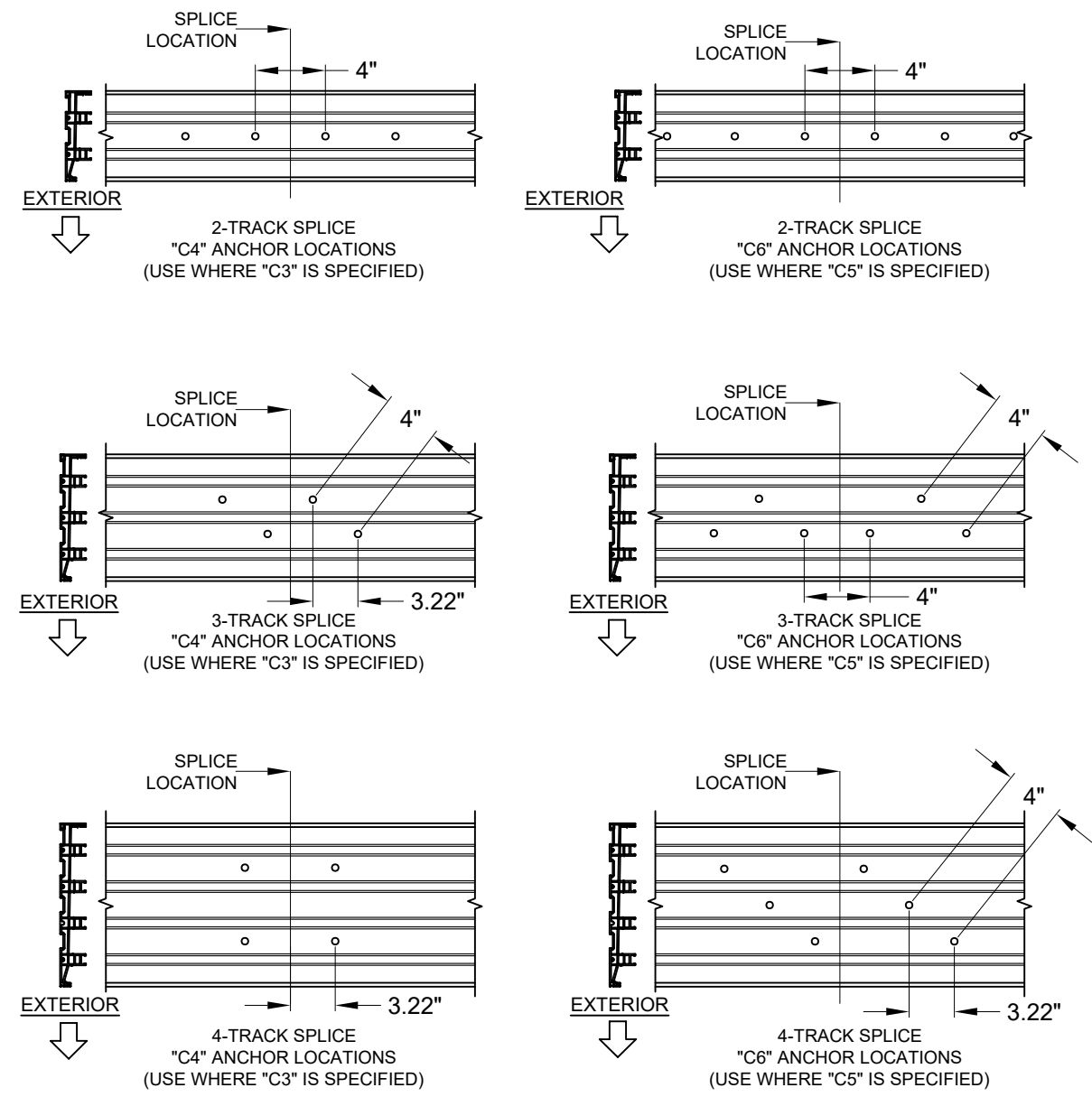
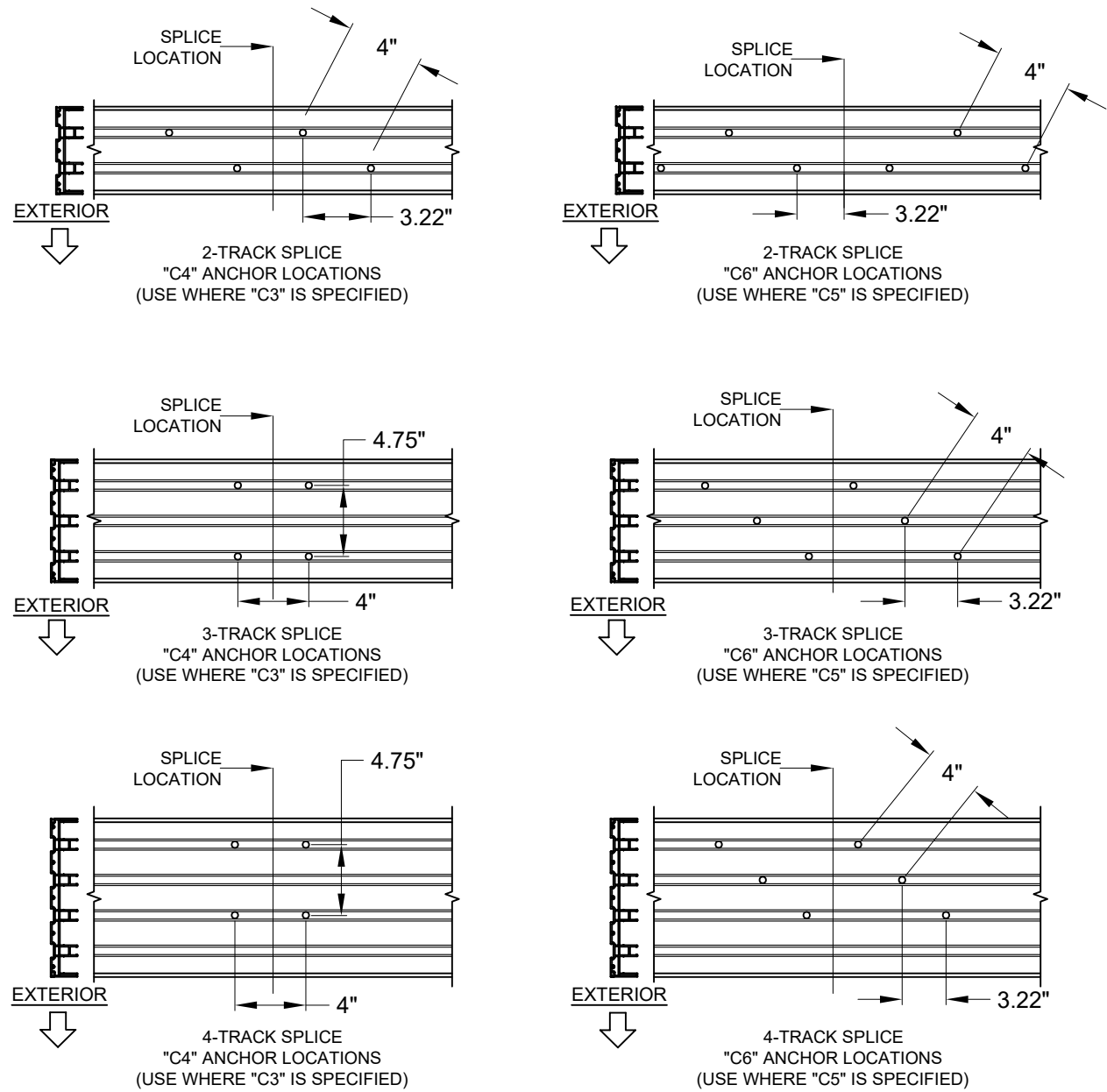
09/09/26
JENS ROSOWSKI
SGD5470

15 OF 21
SGD5470-NI-HVHZ

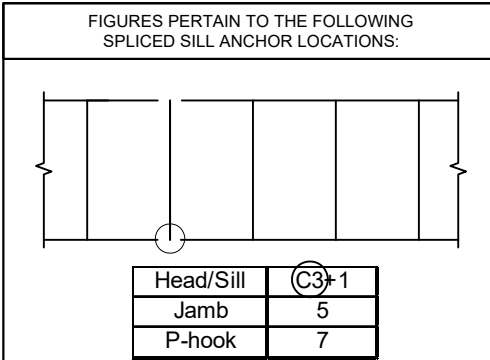
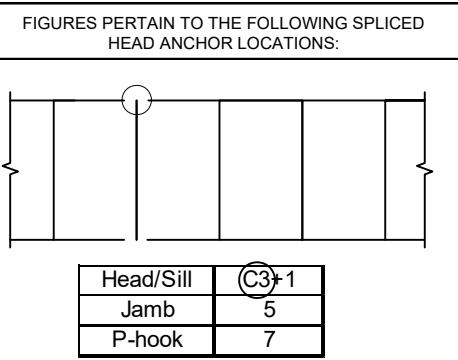
ANTHONY LYNN MILLER
LICENSE
No. 58705
09/09/26
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

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.



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VINYL SLIDING GLASS DOOR
ANCHOR LAYOUTS

09/09/26

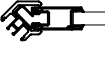
JENS ROSOWSKI

SGD5470

16 OF 21

SGD5470-NI-HVHZ

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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>								

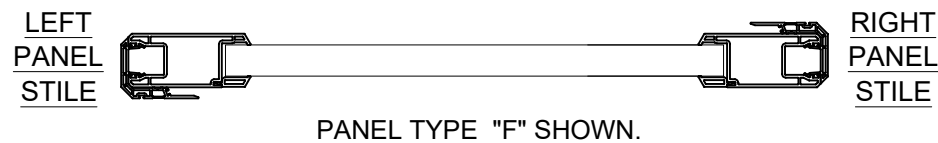
SCREWS

C

DOUBLE INTERLOCK

M

LOCKSTILE



PANEL NOTES:

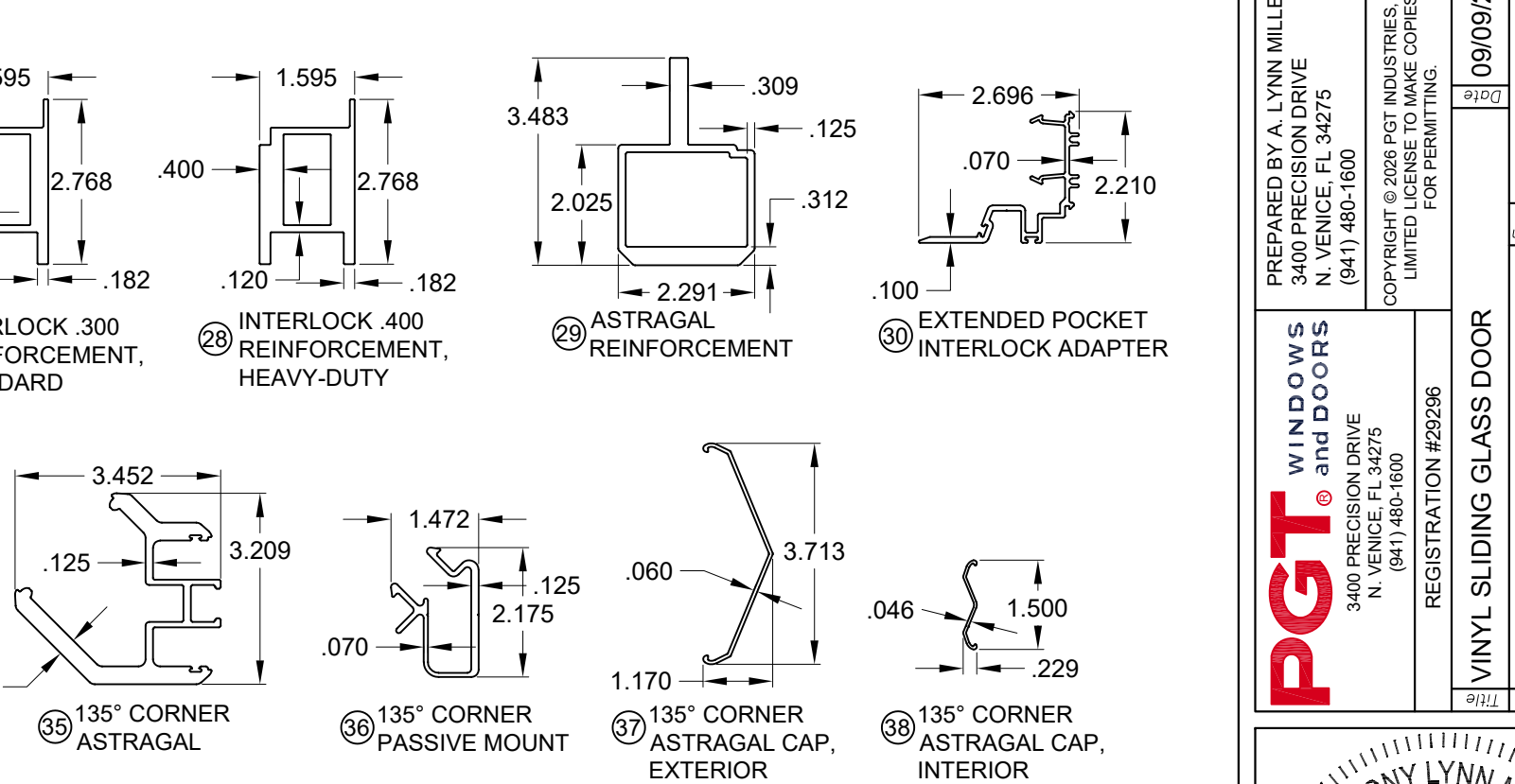
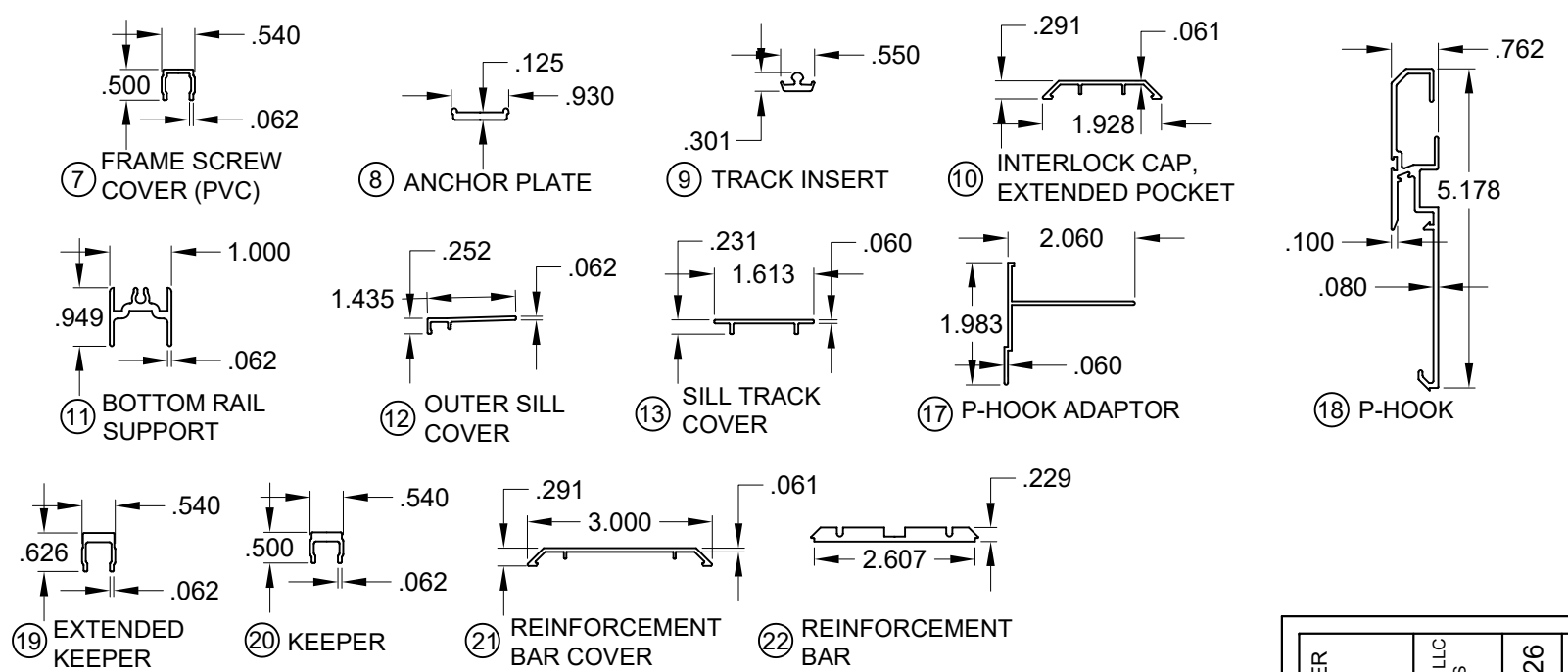
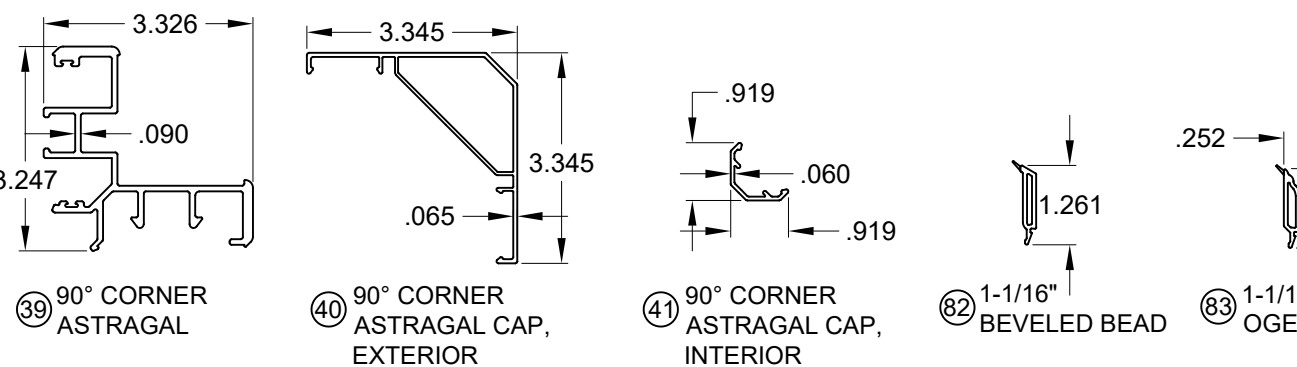
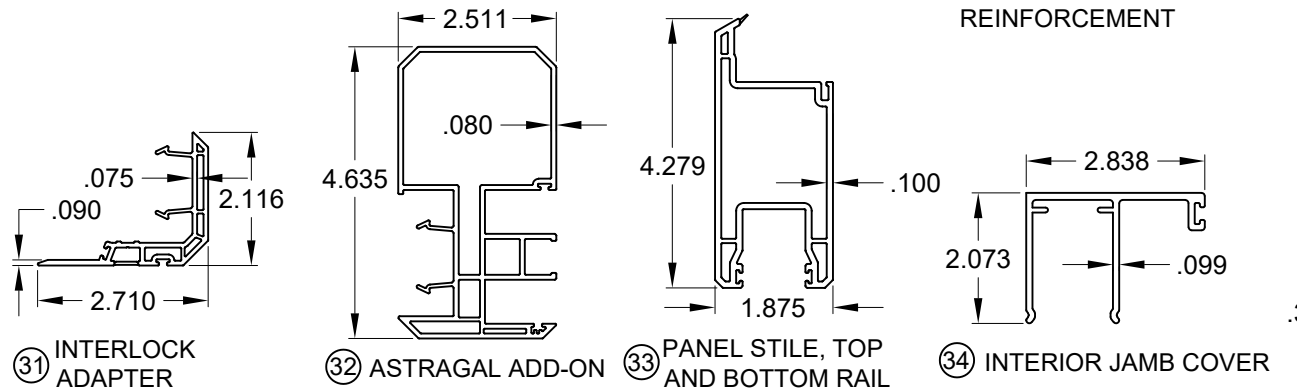
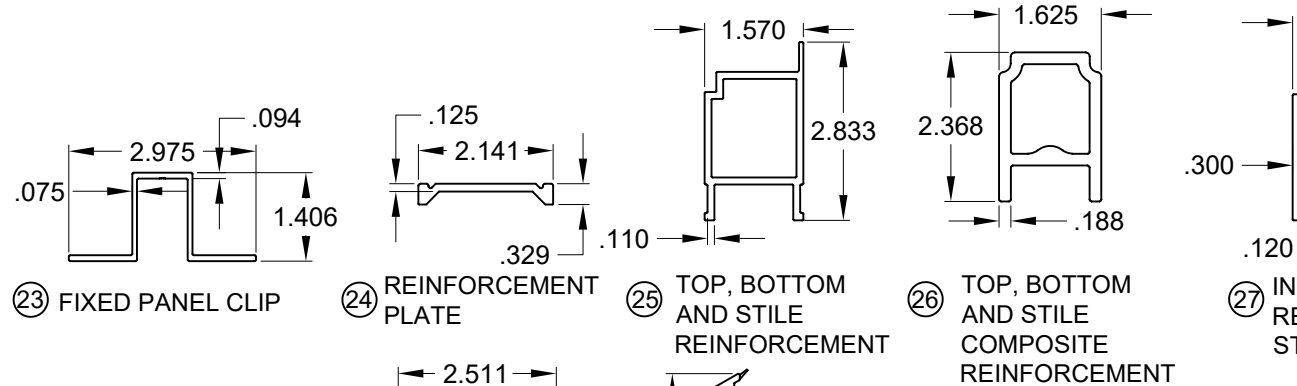
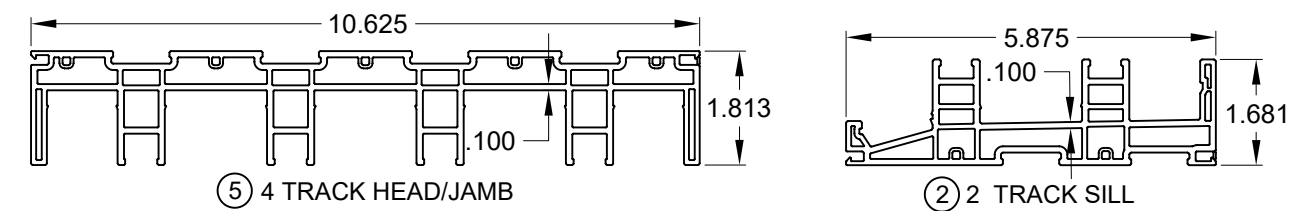
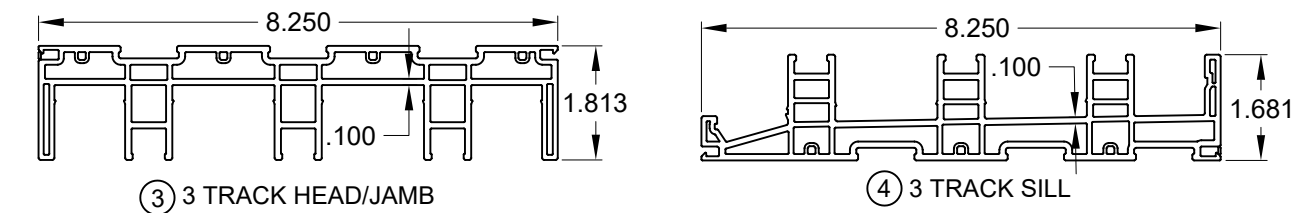
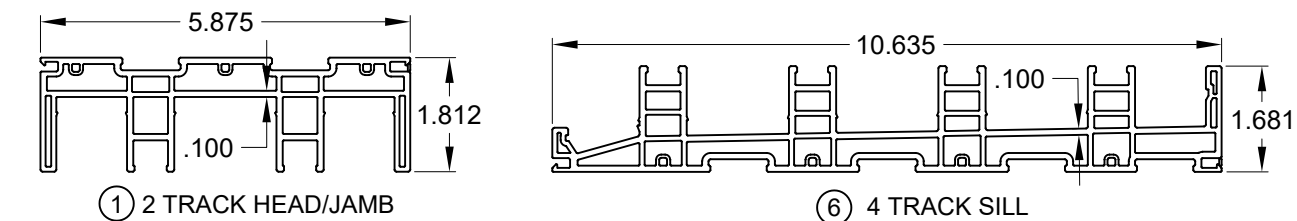
- 1) SEE DP/ANCHOR TABLES 1 & 2, SHEETS 7-8 FOR PANEL SIZES & DESIGN PRESSURE.
- 2) PANEL TYPES NOT SHOWN ARE NOT REQUIRED FOR ANY CONFIGURATIONS AND ARE NOT AVAILABLE.
- 3) MAXIMUM NOMINAL PANEL WIDTH FOR ALL PANEL CONFIGURATIONS IS 60".
- 4) PANEL TYPE MAY BE EITHER EXTERIOR (STANDARD) OR INTERIOR GLAZED, BOTH TYPES QUALIFIED BY THIS APPROVAL, SEE DETAILS SHEET 10.

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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3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		COPYRIGHT © 2026 PGT INDUSTRIES, LLC LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	
REGISTRATION #29296		VINYL SLIDING GLASS DOOR	
PANEL & SPACER TYPES		By <i>Drawn</i>	Date <i>09/09/26</i>
SGD5470	Sheet <i>17 OF 21</i>	JENS ROSOWSKI	
Series <i>Desc.</i>	Dwg No.	SGD5470-NI-HVHZ	

ANTHONY LYNN MILLER
 LICENSE
 No. 58705
Anthony Lynn Miller
 09/09/26
 STATE OF
 FLORIDA
PROFESSIONAL ENGINEER

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 P.E.# 58705

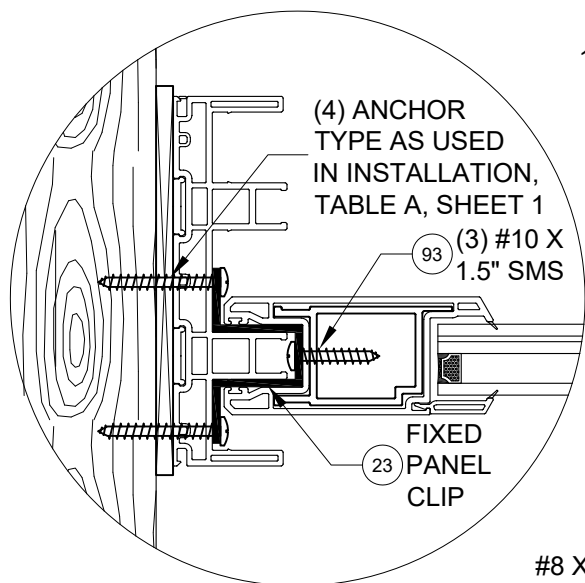


NOTES:

- 1) SEE SHEET 4 FOR SILL RISERS.
- 2) SEE SHEET 20 FOR SCREEN PARTS.
- 3) ALL DIMENSIONS IN INCHES.

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VINYL SLIDING GLASS DOOR EXTRUSIONS		Date 09/09/26	Drawn By JENS ROSOWSKI
Sheet 18 OF 21		Series SGD5470-NI-HVHZ	

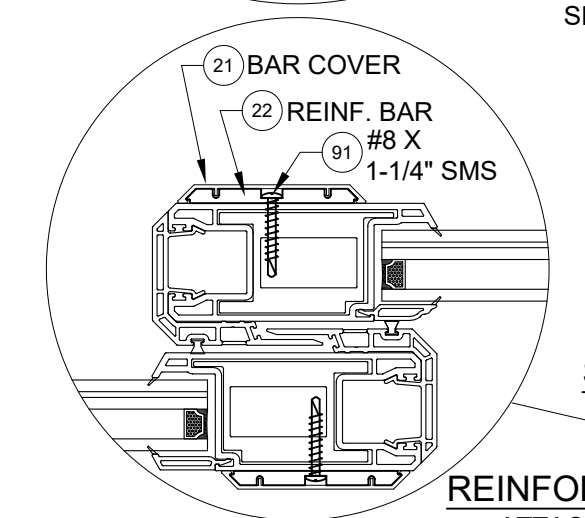
ANTHONY LYNN MILLER
LICENSE
No. 58705
09/09/26
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



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

(3) #10 X
1.5" SMS

FIXED
PANEL
CLIP

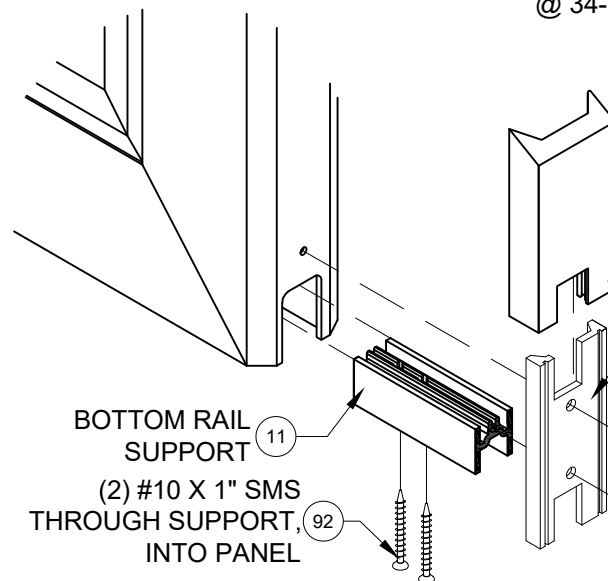


(21) BAR COVER

(22) REINF. BAR
#8 X
1-1/4" SMS

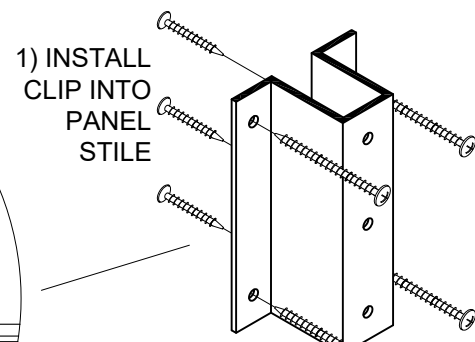
REINFORCEMENT PLATE

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



INTERLOCK SILL RETAINER CLIP ATTACHMENT

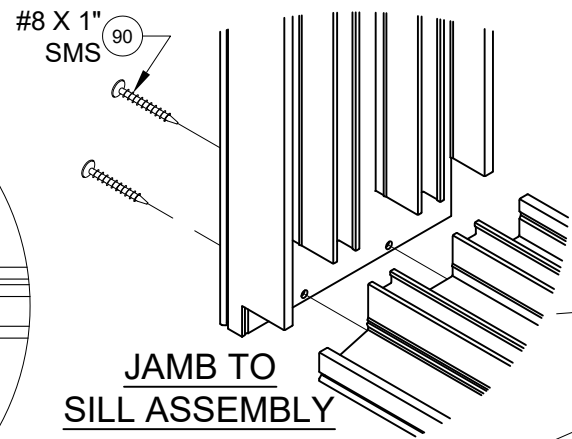
INSTALL ONE ASSEMBLY AT EACH INTERLOCK



1) INSTALL
CLIP INTO
PANEL
STILE

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

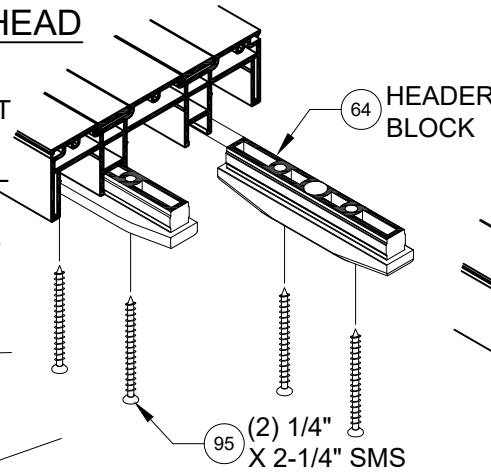
FIXED PANEL CLIP
INSTALL ONE CLIP AT THE
MIDSPAN OF EACH FIXED
PANEL-TO-FRAME JAMB LOCATION.



JAMB TO SILL ASSEMBLY

HEADER BLOCK TO HEAD ATTACHMENT

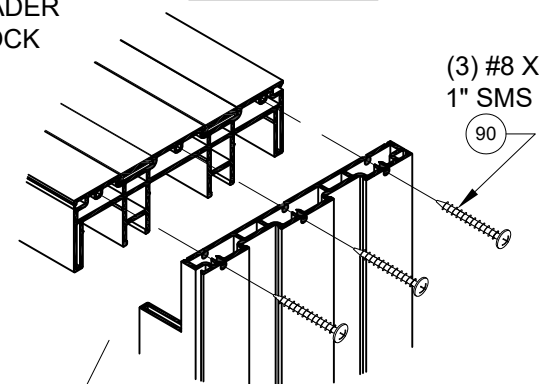
INSTALL ONE BLOCK AT
EACH INTERLOCK.
AT ASTRAGAL, INSTALL
ONE BLOCK THAT
SPANS BOTH PANELS.



(64) HEADER
BLOCK

(95) (2) 1/4"
X 2-1/4" SMS

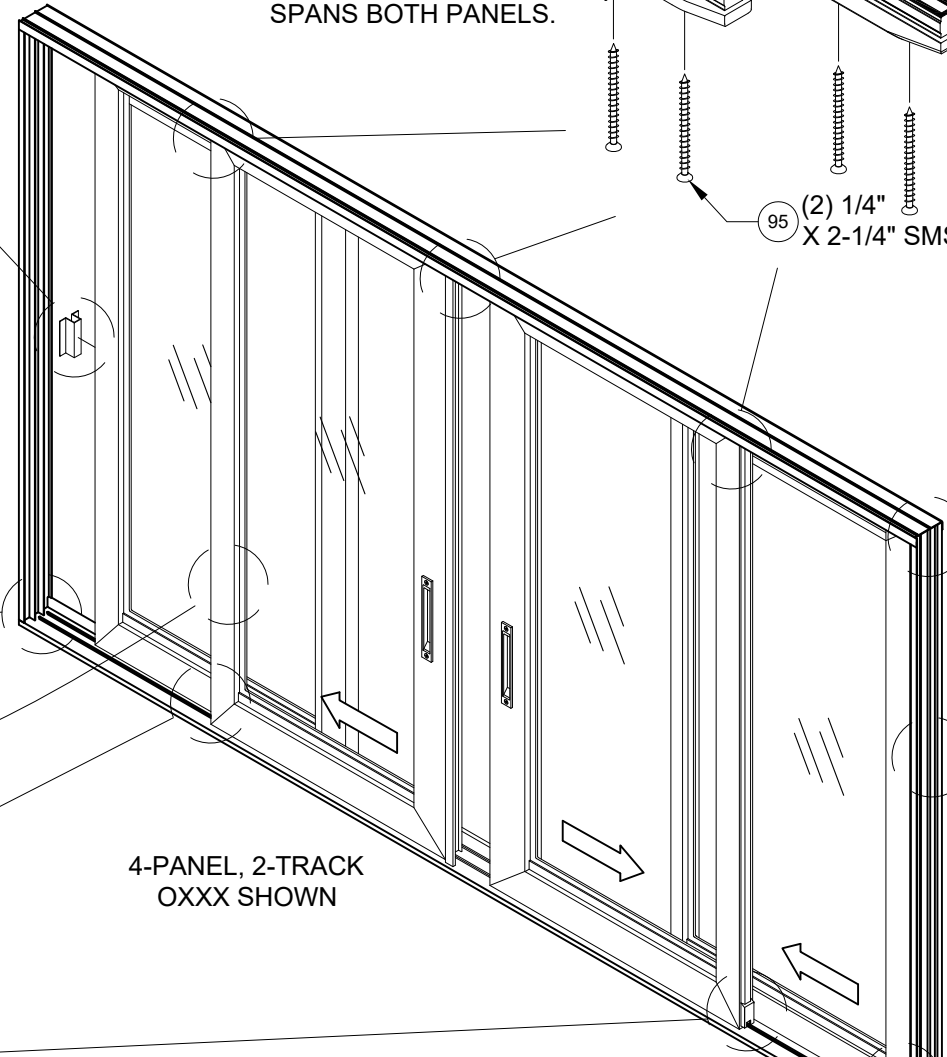
JAMB TO HEAD ASSEMBLY



(3) #8 X
1" SMS

NOTES

- 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
- 2) SEE SHEETS 11-16 FOR ANCHOR LOCATION & SPACING.
- 3) SEE TABLES 1 & 2 FOR REINFORCEMENT REQUIREMENTS.
- 4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.



4-PANEL, 2-TRACK
OXXX SHOWN

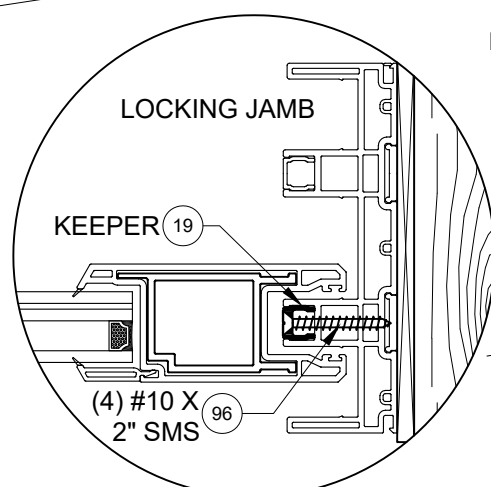
INTERIOR
EXTERIOR

(4) #10
X 2" SMS

KEEPER (19)

KEEPER TO JAMB ATTACHMENT

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

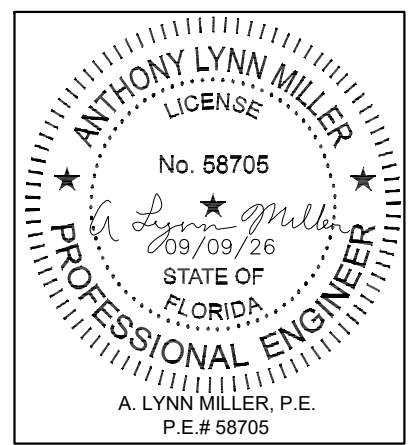


LOCKING JAMB

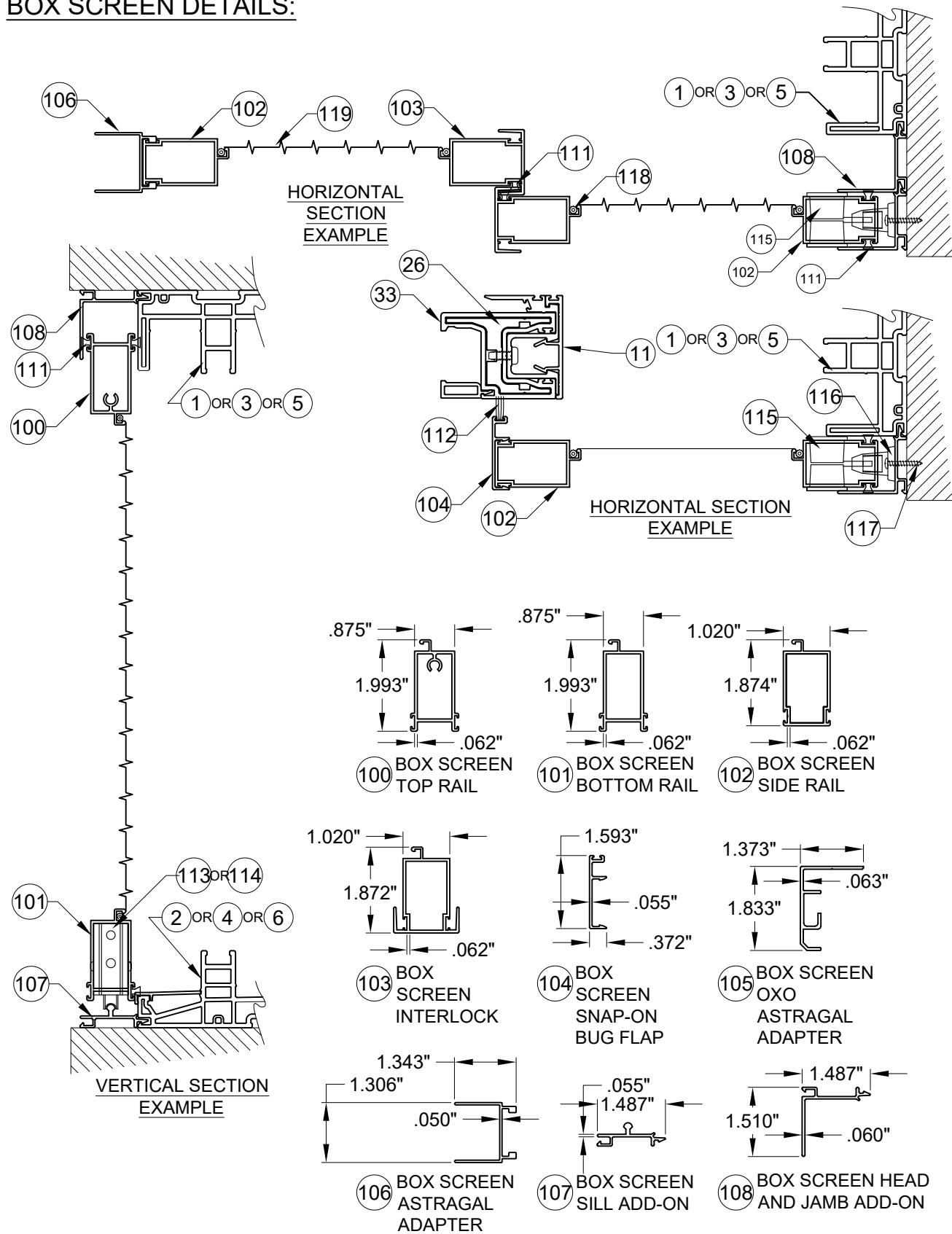
KEEPER (19)

(4) #10 X
2" SMS

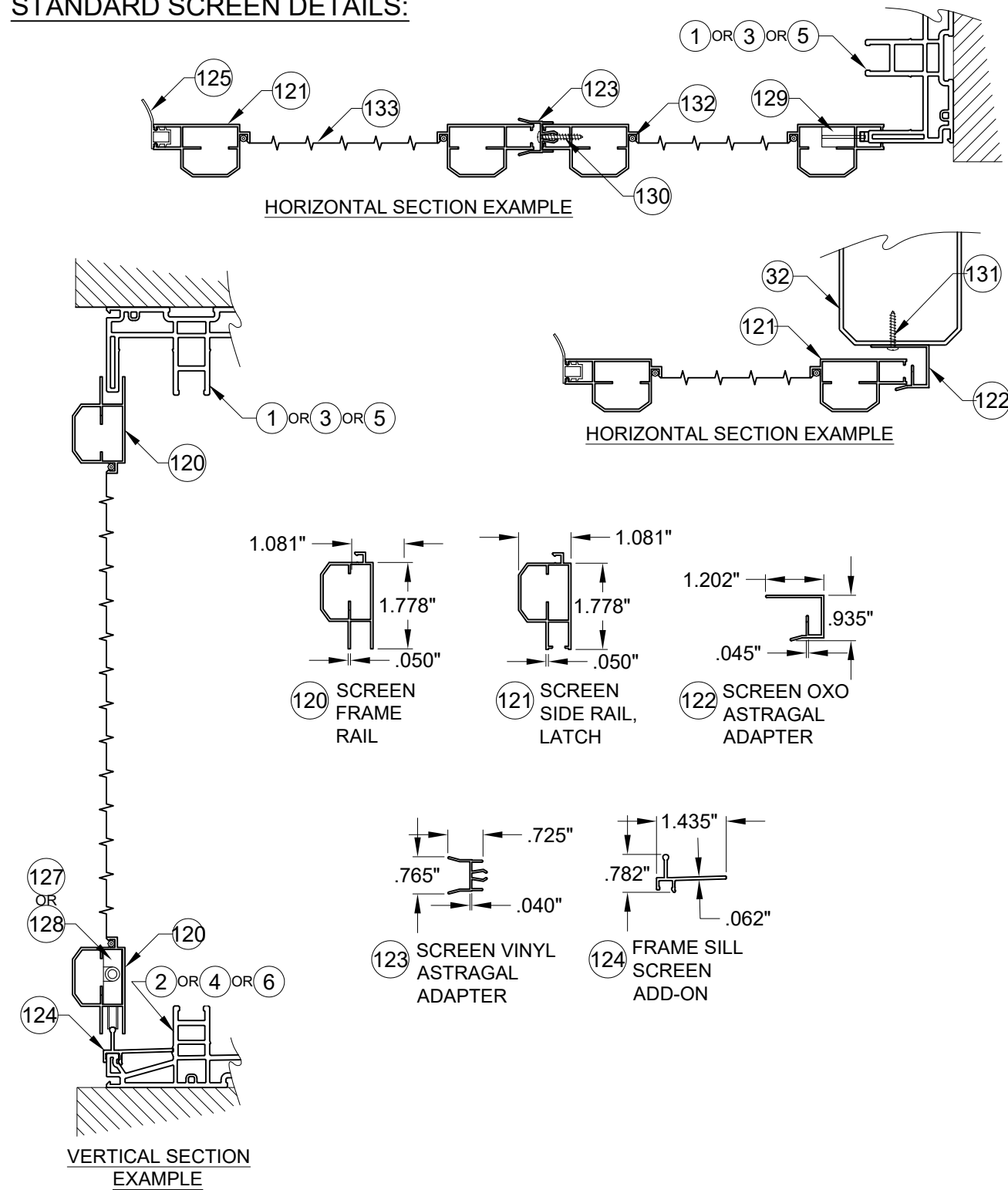
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VINYL SLIDING GLASS DOOR		INSTALLATION, ACCESSORIES		DWG No.	SGD5470-NI-HVHZ
Sheet		19 OF 21		Series Desc. Title	
SGD5470					



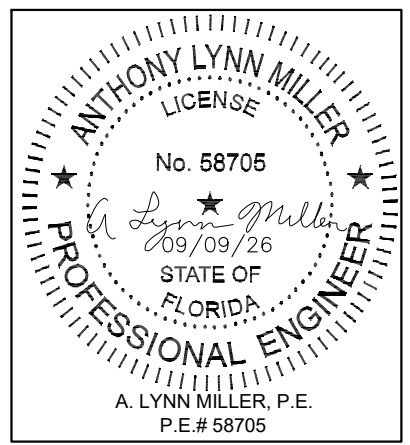
BOX SCREEN DETAILS:



STANDARD SCREEN DETAILS:



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NO CHANGES, THIS SHEET.
Rev. _____

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	19090	7/16" Square Bead	Rigid PVC
81		7/16" Beveled Bead	Rigid PVC
82	19044/19187	1-1/16" Beveled Bead	Rigid PVC/ABS
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
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

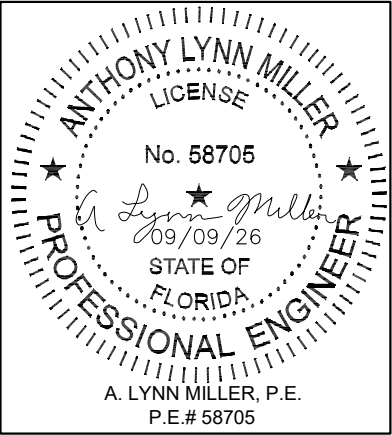
TABLE D: STANDARD SCREEN

#	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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				09/09/26		JENS ROSOWSKI		21 OF 21	
BOM		SGD5470		Sheet		21 OF 21		SGD5470-NI-HVHZ	



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