

SERIES SGD5570NS VINYL, IMPACT RESISTANT SLIDING GLASS DOOR

GENERAL NOTES:

- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT INTERNATIONAL BUILDING CODE (IBC) AND INTERNATIONAL RESIDENTIAL CODE (IRC)
- 2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- 3) ANCHORAGE: THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WIND LOADS 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 IBC/IRC FOR CORROSION RESISTANCE.
- 4) OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.
- 5) SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER CURRENT IBC/IRC, AS APPLICABLE.

ANCHOR NOTES:

- 1) SEE TABLE A ON THIS SHEET FOR EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS. FOR OTHER SUBSTRATE APPLICATIONS SEE TABLE A ON THIS SHEET.
- 2) WOOD BUCKS DEPICTED AS 1X ARE LESS THAN 1-1/2" THICK. PROPERLY SECURED, 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SOLID CONCRETE OR CMU. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD & TO BE REVIEWED BY THE BUILDING OFFICIAL.
- 3) 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.

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.
- 6) ADDITIONALLY, SEE THE EXAMPLE ON SHEET 11.

TABLE A:

Group	Anchor	Substrate	Frame Member	Min. Edge Distance	Min. Embedment
A	#12, steel SMS (G5) or 410 S.S. SMS, (min. 11 threads/in)	P.T. Southern Pine (SG=0.55)	Head/Sill/Jamb	9/16"	1-3/8"
			P-hook	9/16"	1-3/8"
		Aluminum, 6063-T5* (0.125" min. thickness)	Head/Sill/Jamb	3/8"	1/8"
			P-hook	3/8"	1/8"
		Steel, A36* (0.060" min. thickness)	Head/Sill/Jamb	3/8"	0.060"
			P-hook	3/8"	0.060"
	Steel Stud, A653 Gr. 33* (0.071" min. thickness)	Head/Sill/Jamb	3/8"	0.071" (14 Ga.)	
		P-hook	3/8"	0.071" (14 Ga.)	
	1/4" DeWalt Ultracon+	P.T. Southern Pine (SG=0.55)	Head/Sill/Jamb	1"	1-3/8"
			P-hook	1"	1-3/8"
1/4" Elco 410 S.S. CreteFlex		P.T. Southern Pine (SG=0.55)	Head/Sill/Jamb	1"	1-3/8"
P-hook			1"	1-3/8"	
	B	#12, steel wood screw (G5)	P.T. Southern Pine (SG=0.55)	Head/Sill/Jamb	9/16"
P-hook			9/16"	1-3/8"	
C	1/4" DeWalt Ultracon+	Concrete (min. 3.00 ksi)	P-hook	1"	1-3/8"
			Head/Sill/Jamb	1-1/2"	1-3/8"
		UngROUTED CMU, (ASTM C-90)	Jamb	1"	1-1/4"
			P-hook	1"	1-1/4"
	1/4" Elco 410 S.S. CreteFlex	UngROUTED CMU, (ASTM C-90)	Jamb	1-3/4"	1-1/4"
			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" Elco 18-8 S.S. Aggre-Gator	Concrete (min. 2.22 ksi)	Head/Sill/Jamb	1-1/2"	1-3/8"
			P-hook	1-1/2"	1-3/8"
		UngROUTED CMU, (ASTM C-90)	Jamb	2"	1-1/4"
			P-hook	2"	1-1/4"
P.T. Southern Pine (SG=0.55)		Head/Sill/Jamb	1"	1-3/8"	
		P-hook	1"	1-3/8"	
D	1/4" DeWalt Ultracon+	Concrete (min. 3.00 ksi)	Head/Sill/Jamb	2-1/2"	1-3/8"
			P-hook	2-1/2"	1-3/8"
		UngROUTED CMU, (ASTM C-90)	Jamb	2-1/2"	1-1/4"
			P-hook	2-1/2"	1-1/4"
	1/4" Elco 410 S.S. 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	2-1/2"	1-1/4"
			P-hook	2-1/2"	1-1/4"

* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE. FOR STEEL STUDS, MIN. FU=45 KSI & MIN. FY=33 KSI.

"UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS. ALL ANCHOR HEAD TYPES APPLICABLE.

TABLE B:

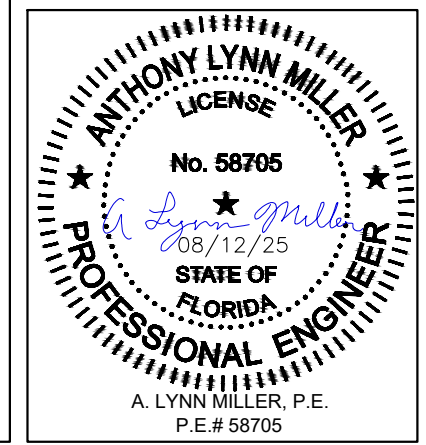
Nominal Panel Size		Design Pressure		Sill Riser Height	Glass Type	Interlock Stile	CAR #
Width	Height	(+) psf	(-) psf				
48	98	35	60	2-1/2"	1	Standard	190-584, 1361
48	98	60	60	3-1/2"	1	Standard	190-580, 1357
48	120	35	60	2-1/2"	2	Standard	190-586, 1363
48	120	60	60	3-1/2"	2	Standard	190-587, 1364
60	98	35	80	2-1/2"	2	Standard	190-582, 1359
60	98	60	80	3-1/2"	2	Standard	190-583, 1360
60	120	35	60	2-1/2"	2	HD	190-585, 1362
60	120	60	60	3-1/2"	2	HD	190-581, 1356

DESIGN PRESSURE RATING
SEE TABLES 1 AND 2
ON SHEET 7 AND 8

IMPACT RATING
RATED FOR LARGE & SMALL
MISSILE IMPACT RESISTANCE
MISSILE LEVEL D

GENERAL NOTES.....1
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	VINYL SLIDING GLASS DOOR (LM)	1 OF 20 No. DWG	
CUSTOMER INFORMATION 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		GENERAL NOTES	SGD5570NS Sheet



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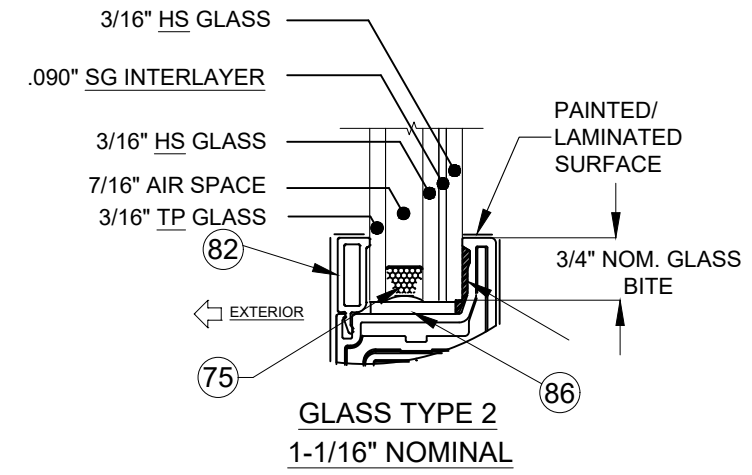
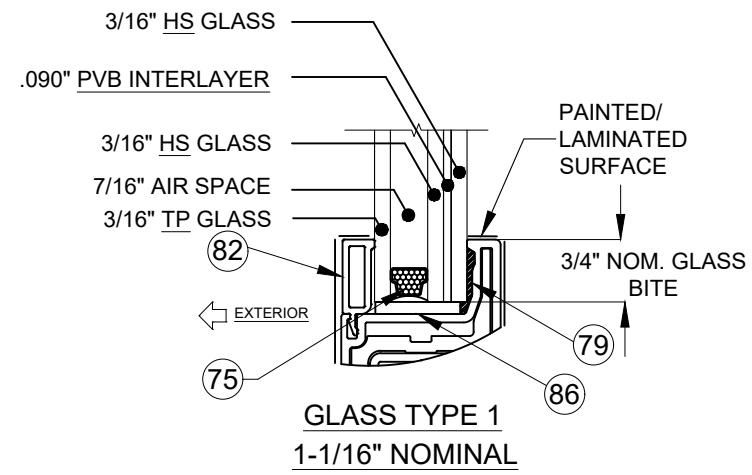
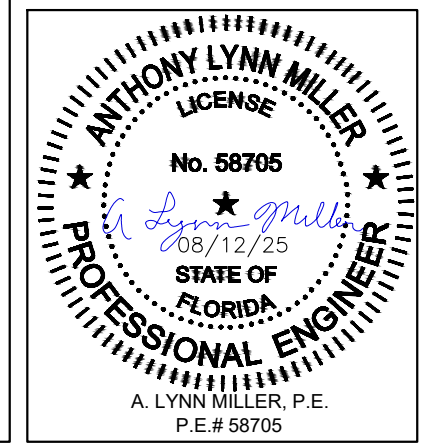


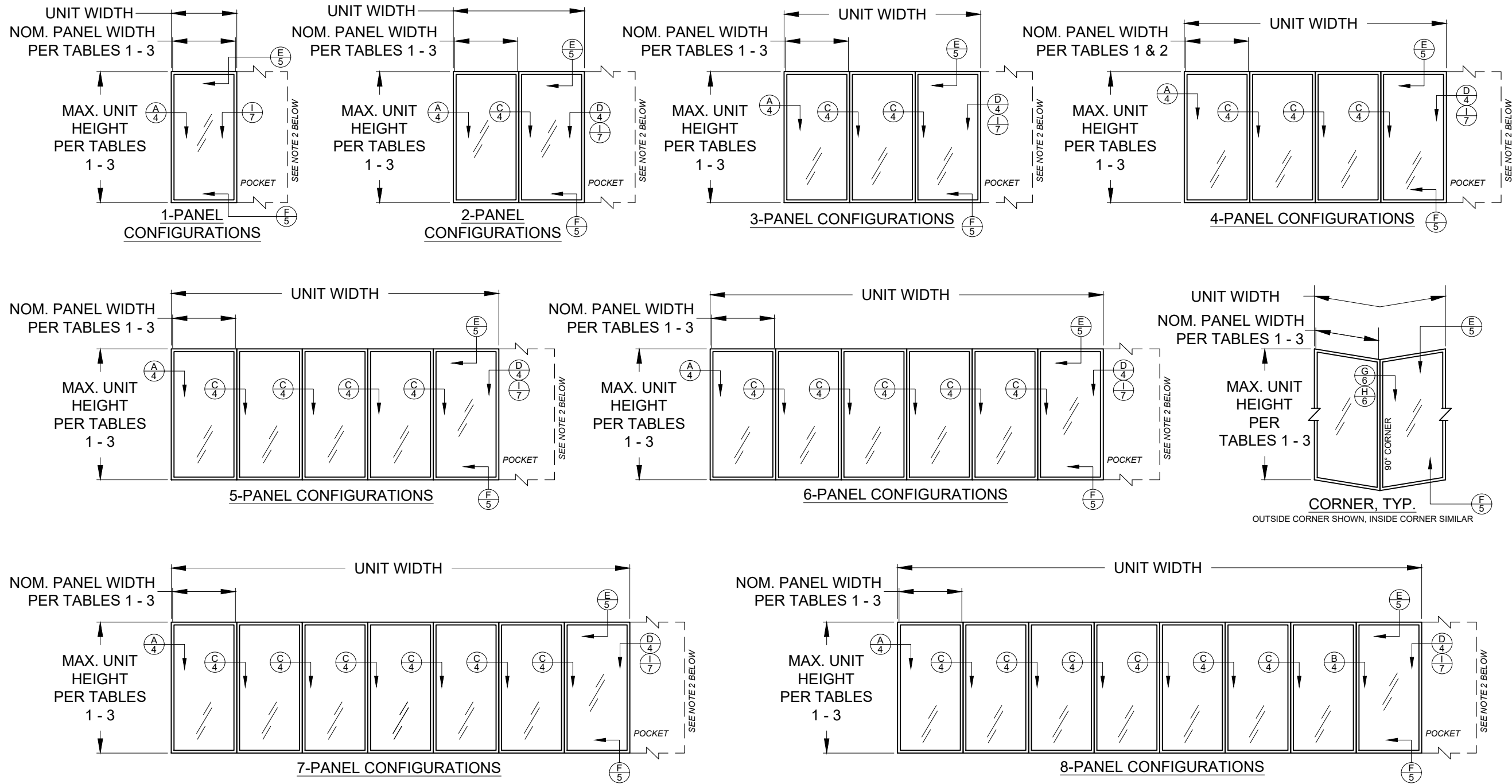
TABLE C:

Glass Type	Description (Listed from Exterior to Interior)
1	1-1/16" Lami. I.G.: 3/16" TP - 7/16" AIR - 3/16" HS - .090" PVB - 3/16" HS
2	1-1/16" Lami. I.G.: 3/16" TP - 7/16" AIR - 3/16" HS - .090" SG - 3/16" HS

"HS" = HEAT STRENGTHENED
 "TP" = TEMPERED
 "PVB" = .090" TROSIFOL® PVB INTERLAYER BY KURARAY AMERICA, INC.
 "SG" = .090" SENTRYGLAS® INTERLAYER BY KURARAY AMERICA, INC.

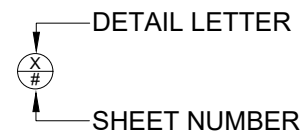
PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296 COPYRIGHT © 2025 PGT, LLC. LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	08/12/25 Date	COLTON KEMPf Drawn By	SGD5570NS AAMA ANCHORAGE
	VINYL SLIDING GLASS DOOR (LM) Series Desc. Title	2 OF 20 No. DWG	2 OF 20 Sheet	SGD5570NS Series Desc. Title	2 OF 20 No. DWG





CONFIGURATIONS NOTES:

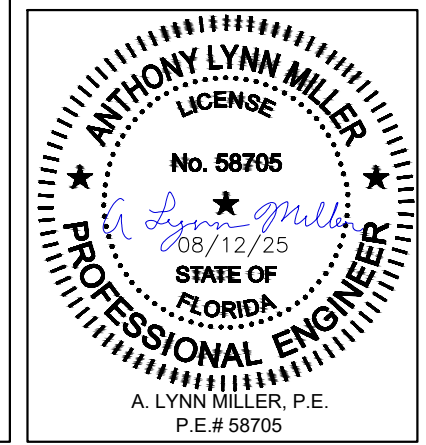
- 1) ALL CONFIGURATIONS SHOWN ARE ALSO AVAILABLE AS POCKET CONFIGURATIONS AT EITHER OR BOTH JAMB LOCATIONS.
EXAMPLE: 4-PANEL XXXX IN POCKET (p) CONFIGURATION CAN BE pXXXXp, pXXXX OR XXXXp. OXXX IN POCKET CONFIGURATION CAN BE OXXXp.
- 2) POCKET WALL OR CAVITY IS NOT PART OF THIS APPROVAL AND IS TO BE DESIGNED BY OTHERS AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION.
- 3) FOR NOM. PANEL WIDTH, SEE TABLES 1 - 3.



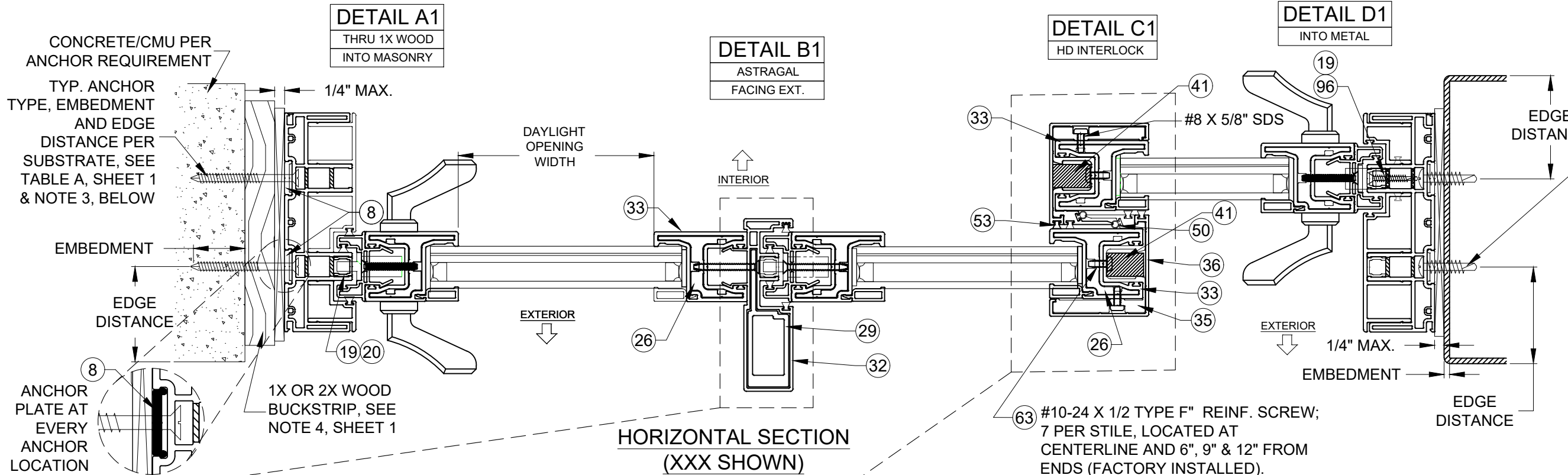
"X" = OPERABLE PANEL
 "O" = INOPERABLE PANEL
 "p" = POCKET

DLO WIDTH = NOMINAL PANEL WIDTH - 4-7/8"
 GLASS WIDTH = DLO WIDTH + 1.5"
 DLO HEIGHT = DOOR UNIT HEIGHT - 7-13/16"
 GLASS HEIGHT = DLO HEIGHT + 1.5"
 PANEL HEIGHT = DOOR UNIT HEIGHT - 2-13/16"

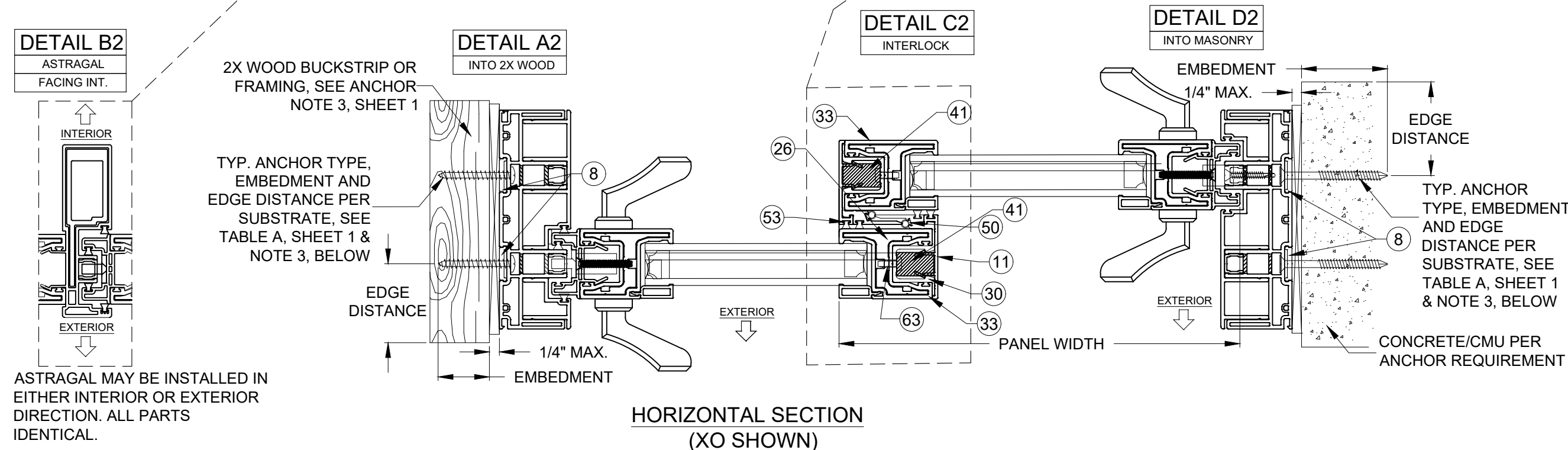
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	VINYL SLIDING GLASS DOOR (LM) Series Desc. Title	EXAMPLE CONFIGURATIONS	3 OF 20 Sheet No.	SGD5570NS Series



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TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE A, SHEET 1 & NOTE 3, ANCHOR LENGTH TO BE A MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE

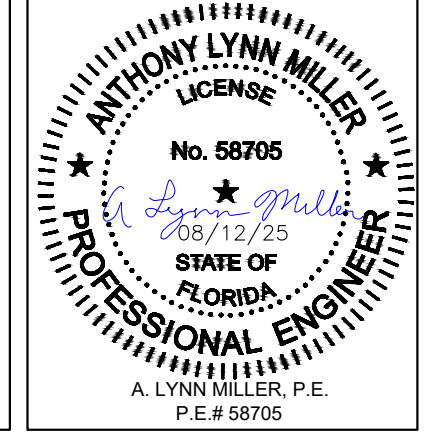


TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE A, SHEET 1 & NOTE 3, BELOW

ASTRAGAL MAY BE INSTALLED IN EITHER INTERIOR OR EXTERIOR DIRECTION. ALL PARTS IDENTICAL.

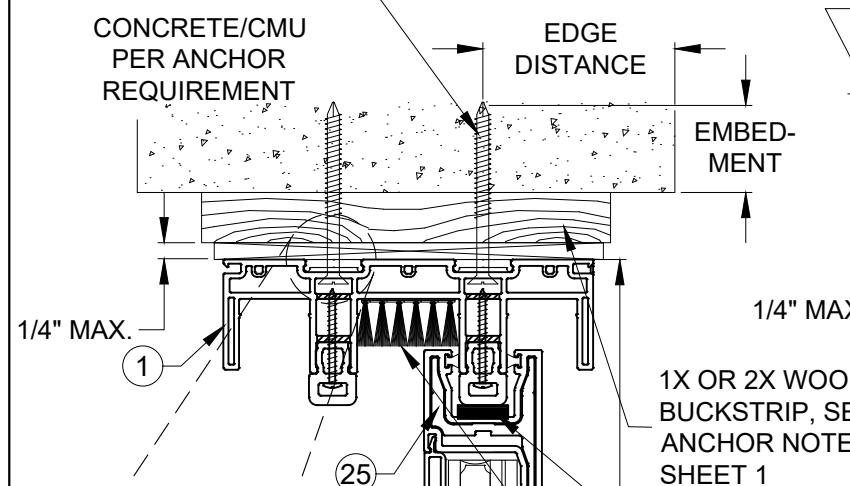
- NOTES**
- 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
 - 2) REFER TO ANCHOR NOTES, SHEET 1.
 - 3) SEE SHEET 13 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 1 - 3.
 - 4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
 - 5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR ASTRAGAL ADD-ON.
 - 6) ALL REINFORCEMENTS ARE APPROXIMATELY THE FULL LENGTH OF THE EXTRUSION. REFER TO TEST REPORTS FOR EXACT DIMENSIONS.
 - 7) SEE SHEET 18 FOR SCREEN DETAILS.

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	VINYL SLIDING GLASS DOOR (LM)	4 OF 20 DWG No.		
PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600	VINYL SLIDING GLASS DOOR (LM)	SCD5570NS Sheet	4 OF 20 DWG No.	SCD5570NS Series Desc. Title



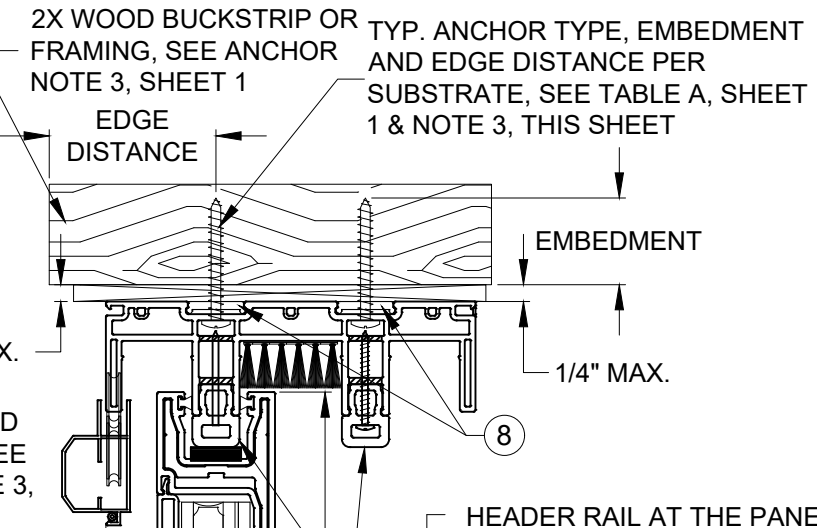
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DETAIL E1
INTO MASONRY
1X BUCKSTRIP



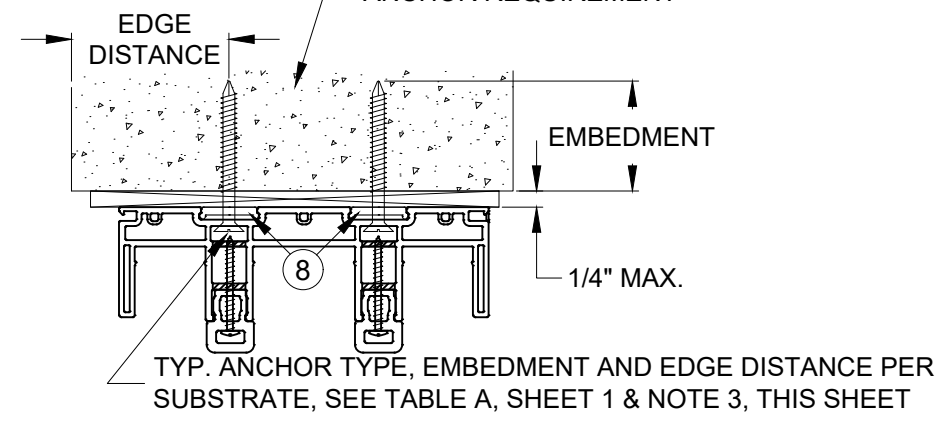
TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE A, SHEET 1 & NOTE 3, THIS SHEET

DETAIL E2
INTO WOOD



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

DETAIL E3
INTO MASONRY



CONCRETE/CMU PER ANCHOR REQUIREMENT

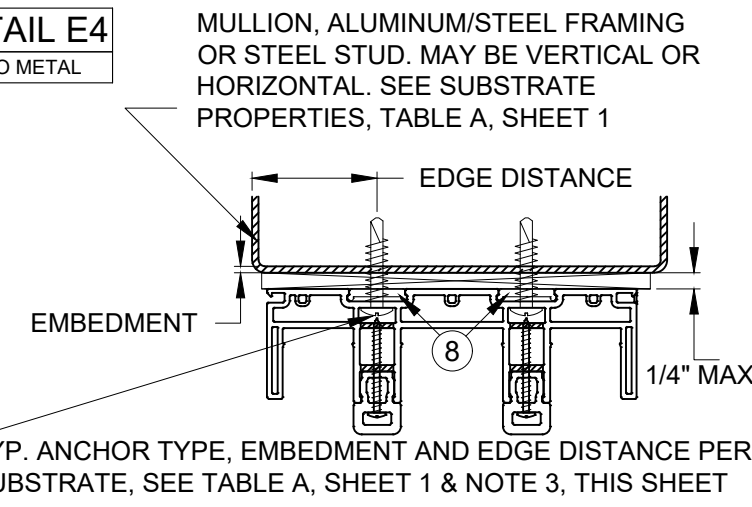
EDGE DISTANCE

EMBEDMENT

1/4" MAX.

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

DETAIL E4
INTO METAL



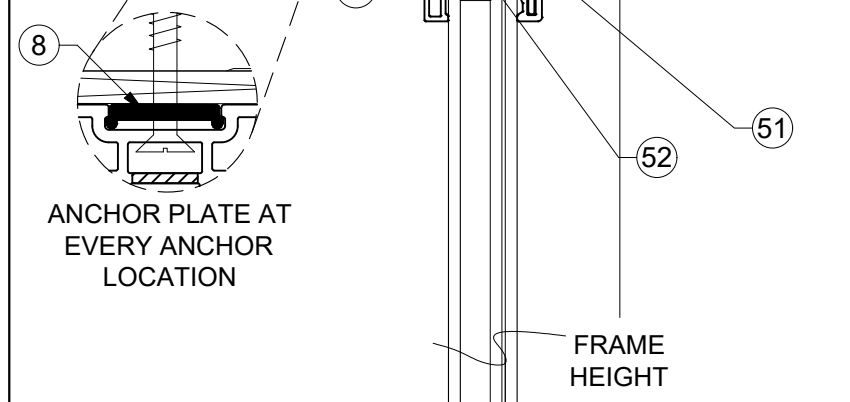
MULLION, ALUMINUM/STEEL FRAMING OR STEEL STUD. MAY BE VERTICAL OR HORIZONTAL. SEE SUBSTRATE PROPERTIES, TABLE A, SHEET 1

EDGE DISTANCE

EMBEDMENT

1/4" MAX.

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

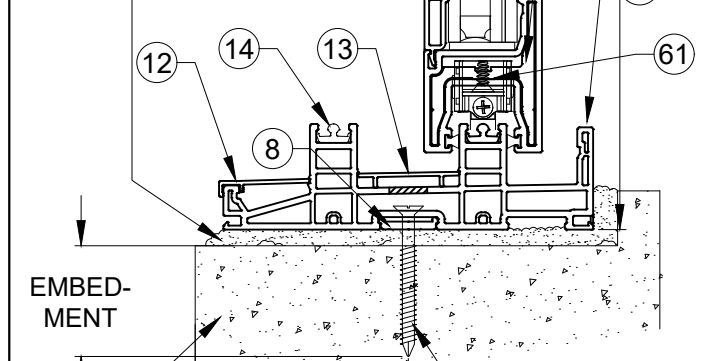


ANCHOR PLATE AT EVERY ANCHOR LOCATION

FRAME HEIGHT

1/4" MAX. GROUT AS NEEDED, SEE ANCHOR NOTE 3, SHEET 1

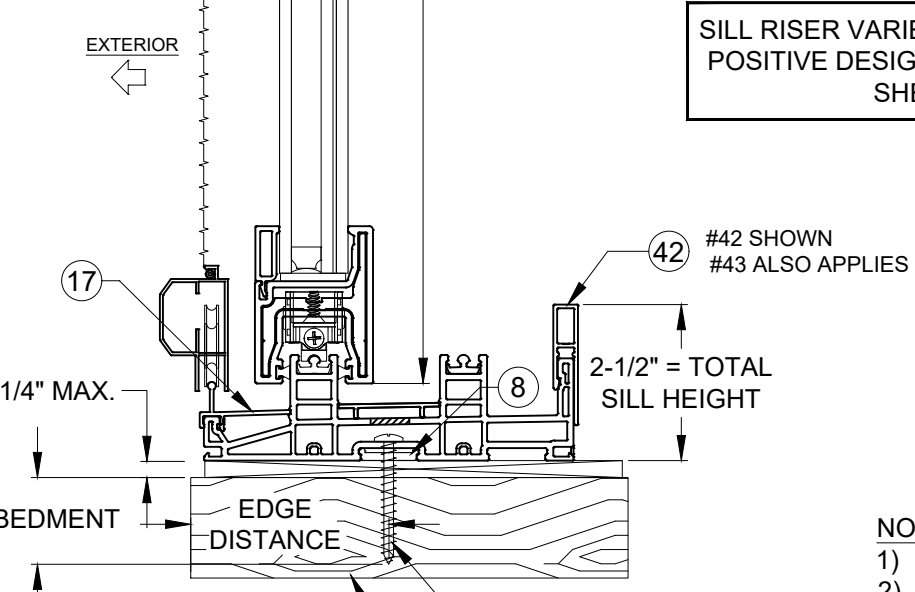
EXTERIOR



CONCRETE/CMU PER ANCHOR REQUIREMENT

DETAIL F1
INTO MASONRY

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



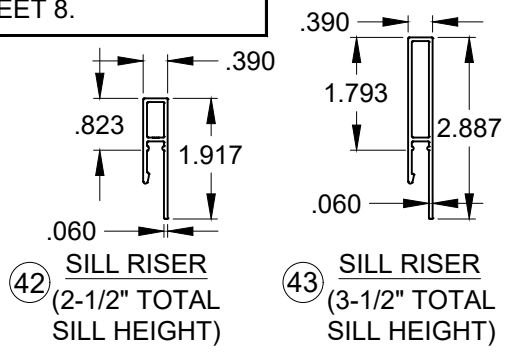
HEADER RAIL AT THE PANEL: LENGTH EQUAL TO THE WIDTH OF THE PANEL AND INSTALLED WITH #12X1-3/4, 6" FROM EACH END

HEADER RAIL OUTSIDE OF THE PANEL: LENGTH EQUAL TO DISTANCE BETWEEN END OF PANEL AND JAMB, EACH SEGMENT INSTALLED WITH #12X1-1/2 SMS, AND 6" FROM EACH END

DETAIL F2
INTO WOOD

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

SILL RISER VARIES WITH REQUIRED POSITIVE DESIGN PRESSURE, SEE SHEET 8.



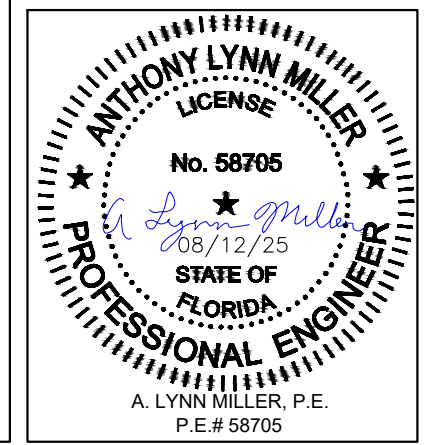
42 SILL RISER (2-1/2" TOTAL SILL HEIGHT)

43 SILL RISER (3-1/2" TOTAL SILL HEIGHT)

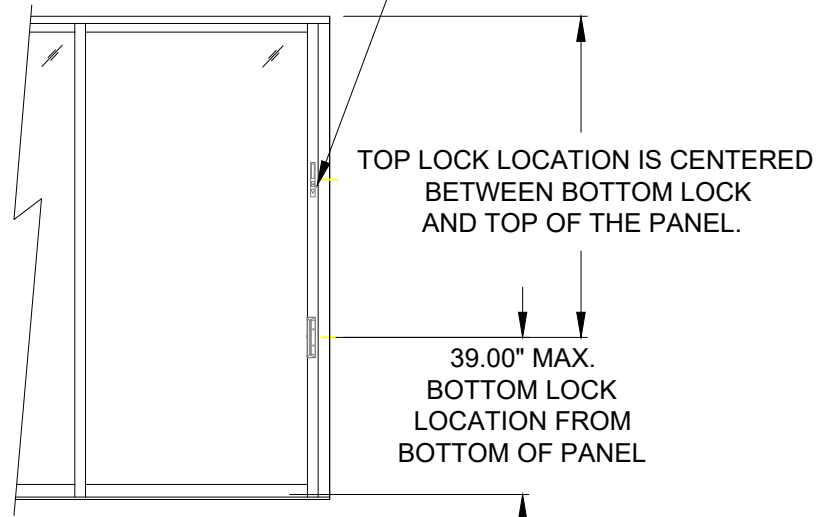
NOTES

- 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
- 2) REFER TO ANCHOR NOTES, SHEET 1.
- 3) SEE SHEETS 12, 13, 14, 15 AND 16 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 1 - 3.
- 4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
- 5) SEE SHEET 18 FOR SCREEN DETAILS.

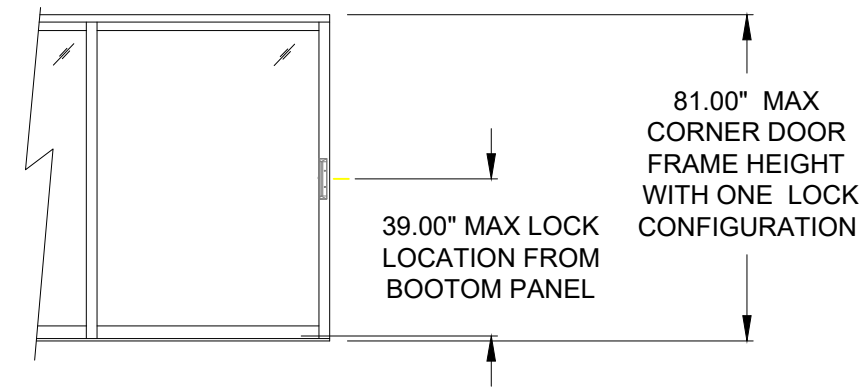
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	VINYL SLIDING GLASS DOOR (LM)	5 OF 20 No. DWG	SGD5570NS AAMA ANCHORAGE Series Desc. Title



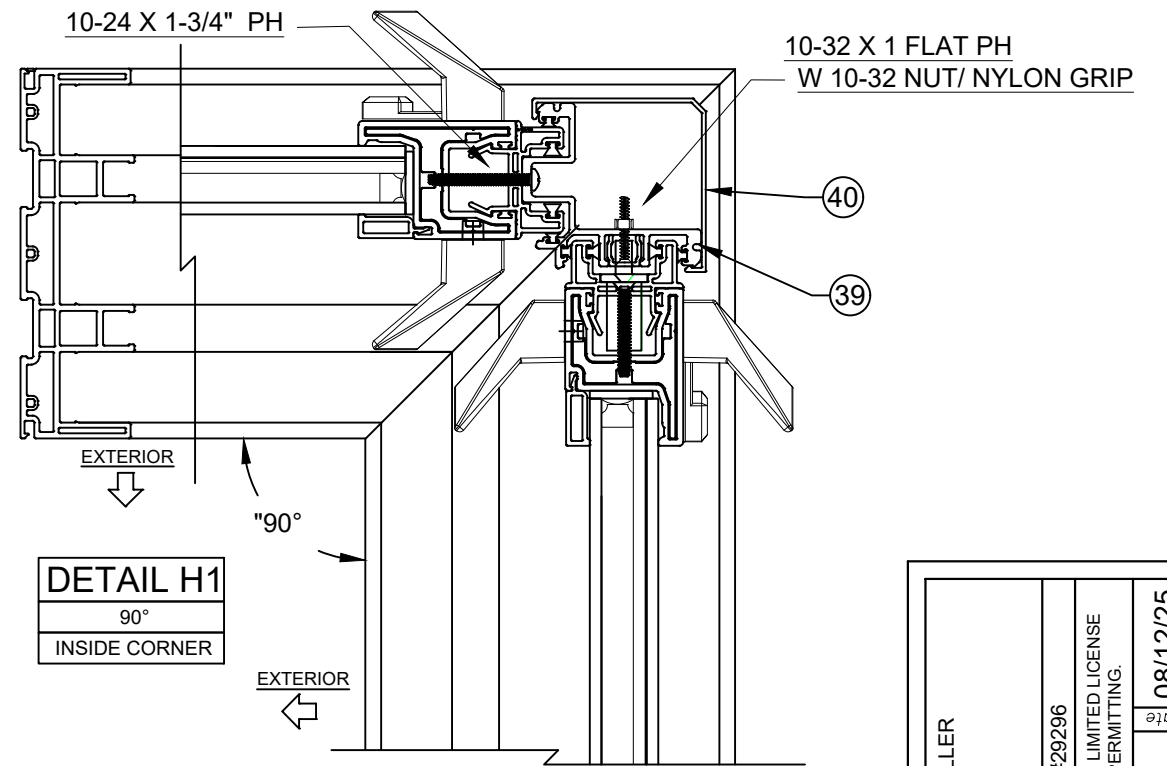
SECOND LOCK REQUIRED FOR CORNER DOORS WITH FRAME HEIGHTS TALLER THAN 81.00"



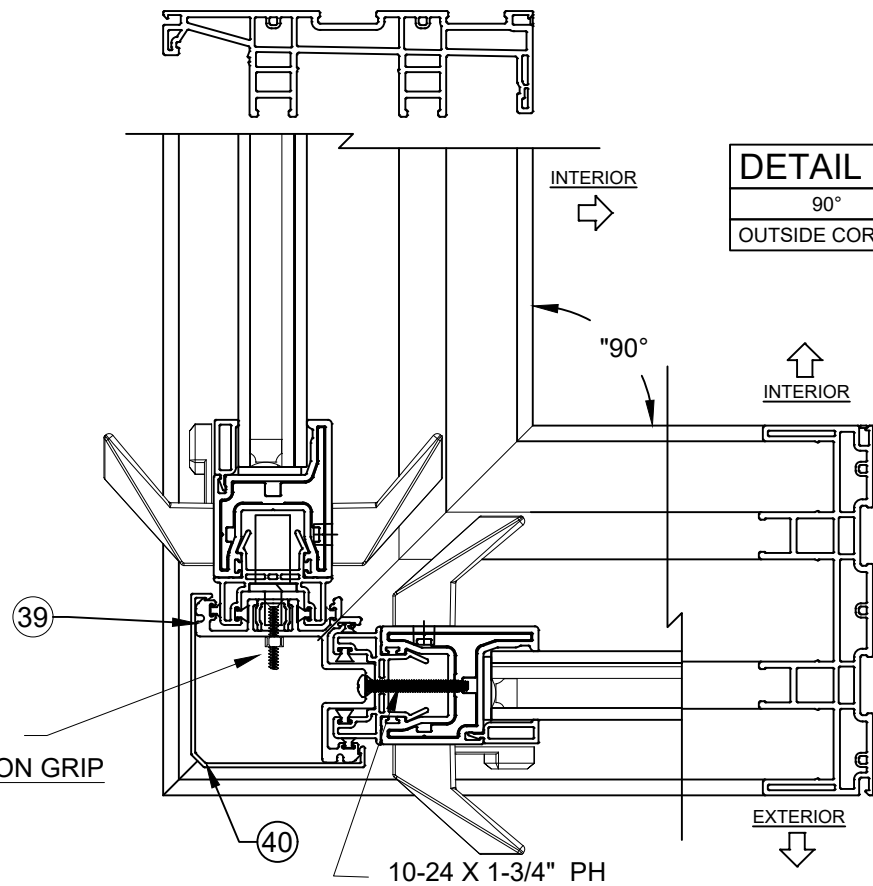
DETAIL G1
90°
INSIDE/OUTSIDE CORNER



DETAIL G2
90°
INSIDE/OUTSIDE CORNER



DETAIL H1
90°
INSIDE CORNER

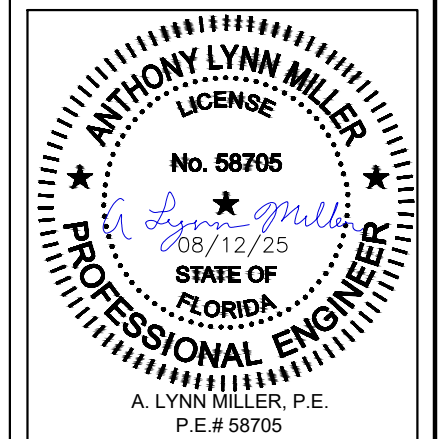


DETAIL H2
90°
OUTSIDE CORNER

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 - 3.
- 3) CORNER ASTRAGAL MAY BE EITHER TO THE INTERIOR OR EXTERIOR, DEPENDING ON CONFIGURATION.

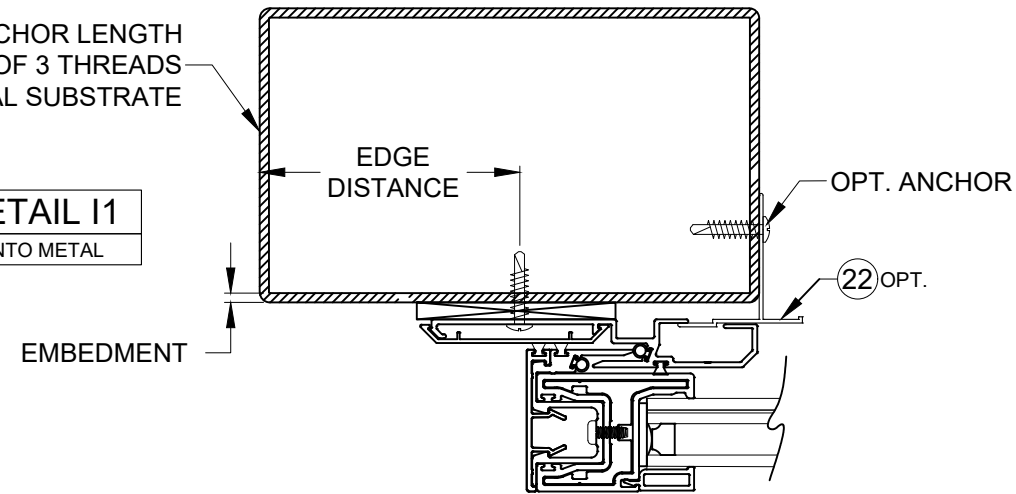
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	VINYL SLIDING GLASS DOOR (LM) Series Desc. Title	CORNER ASTRAGAL Sheet	6 OF 20 DWG No.	SGD5570NS Series	



Rev. #	Date

METAL TYP., ANCHOR LENGTH TO BE A MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE

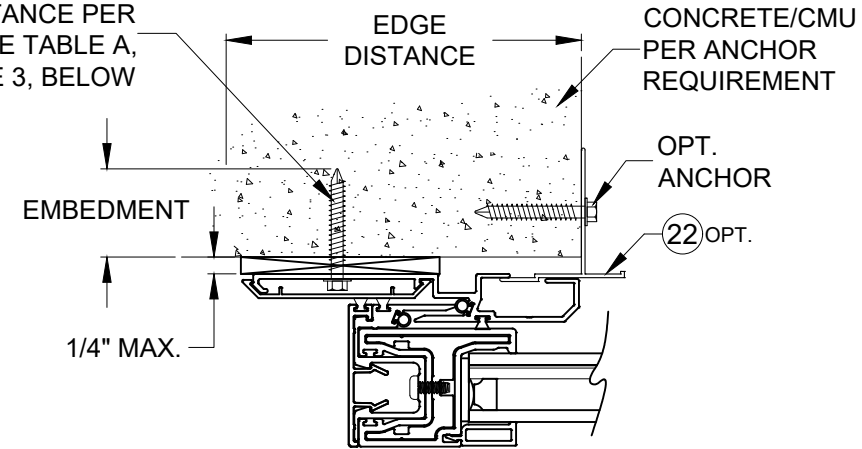
DETAIL I1
INTO METAL



EXTERIOR
↓
EXTERIOR POCKET

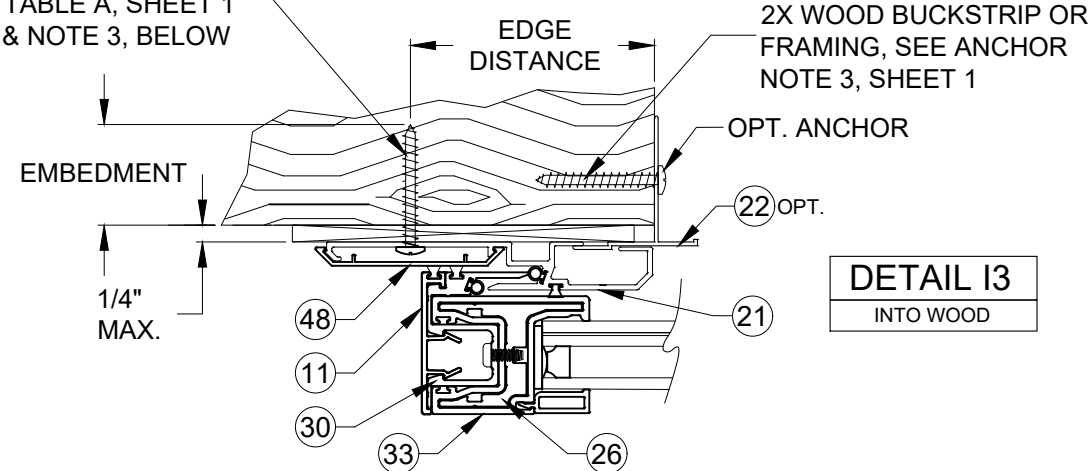
TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE A, SHEET 1 & NOTE 3, BELOW

DETAIL I2
INTO MASONRY



EXTERIOR
↓
EXTERIOR POCKET

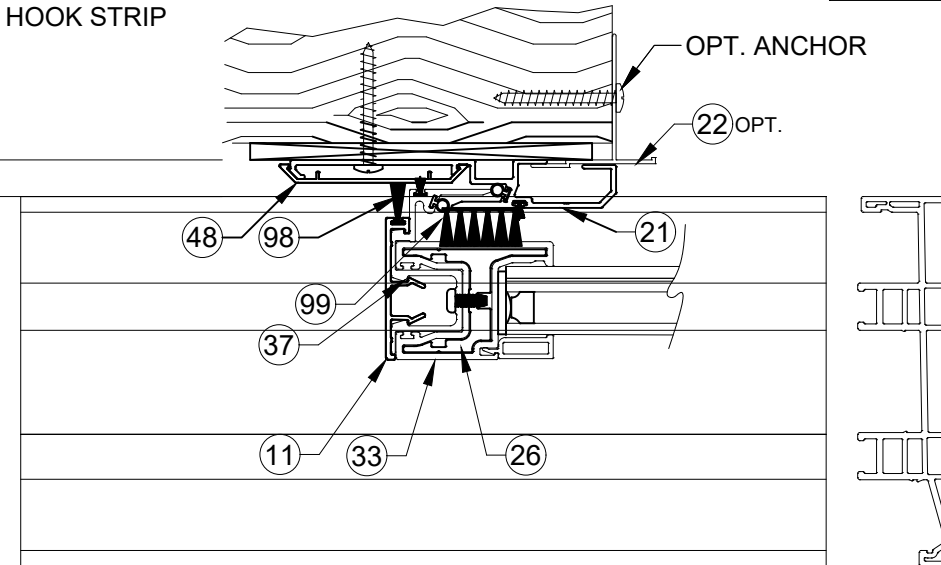
TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE A, SHEET 1 & NOTE 3, BELOW



EXTERIOR
↓
EXTERIOR POCKET

DETAIL I3
INTO WOOD

1/2" TRACK OFFSET FROM BACKSIDE OF HOOK STRIP



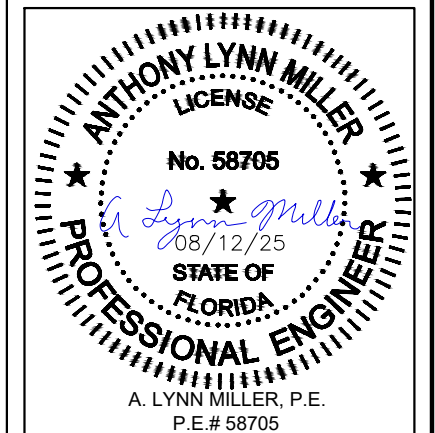
EXTERIOR
↓
EXTERIOR POCKET

DETAIL I4
HD POCKET
INTO WOOD
INTO MASONRY
INTO METAL

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.
- 4) SEE TABLES 1 - 3 FOR REINFORCEMENT REQUIREMENTS.
- 5) 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.

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	VINYL SLIDING GLASS DOOR (LM)	Drawn By	
PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600	7 OF 20 DWG No.	SGT5570NS Sheet	INSTALLATION, P-HOOK Series Desc. Title



Rev.#	Date

TABLE 1:

Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheet 3)															
Use this table for: Glass Type 1 and Standard Interlock Stile			Door Unit Height												
			80"				84"				98"				
			72-5/16" DLO Height				76-5/16" DLO Height				88-5/16" DLO Height				
			Anchor Group				Anchor Group				Anchor Group				
			A	B	C	D	A	B	C	D	A	B	C	D	
Nominal Panel Width	24"	19-1/8" DLO Width	Design Pressure	+60 / -60 psf				+60 / -60 psf				+60 / -60 psf			
			Head/Sill	C5+2	C3+1	C5+1	C3+1	C5+2	C3+1	C5+1	C3+1	C5+2	C3+1	C5+1	C3+1
			Jamb	5	5	6	5	5	5	6	5	5	5	6	5
			P-hook	9	9	9	9	9	9	9	9	9	9	9	9
	30"	25-1/8" DLO	Design Pressure	+60 / -60 psf				+60 / -60 psf				+60 / -60 psf			
			Head/Sill	C5+2	C3+1	C5+1	C3+1	C5+2	C3+1	C5+1	C3+1	C5+2	C3+1	C5+1	C3+1
			Jamb	5	5	6	5	5	5	6	5	5	5	6	5
			P-hook	9	9	9	9	9	9	9	9	9	9	9	9
	36"	31-1/8" DLO Width	Design Pressure	+60 / -60 psf				+60 / -60 psf				+60 / -60 psf			
			Head/Sill	C5+2	C3+1	C5+1	C3+1	C5+2	C3+1	C5+1	C3+1	C5+2	C3+1	C5+1	C3+1
			Jamb	5	5	6	5	5	5	6	5	5	5	6	5
			P-hook	9	9	9	9	9	9	9	9	9	9	9	9
42"	37-1/8" DLO Width	Design Pressure	+60 / -60 psf				+60 / -60 psf				+60 / -60 psf				
		Head/Sill	C5+2	C3+1	C5+1	C3+1	C5+2	C3+1	C5+1	C3+1	C5+2	C3+1	C5+1	C3+1	
		Jamb	5	5	6	5	5	5	6	5	5	5	6	5	
		P-hook	9	9	9	9	9	9	9	9	9	9	9	9	
48"	43-1/8" DLO Width	Design Pressure	+60 / -60 psf				+60 / -60 psf				+60 / -60 psf				
		Head/Sill	C5+2	C3+1	C5+1	C3+1	C5+2	C3+1	C5+1	C3+1	C5+2	C3+1	C5+1	C3+1	
		Jamb	5	5	6	5	5	5	6	5	5	5	6	5	
		P-hook	9	9	9	9	9	9	9	9	9	9	9	9	

USED IN EXAMPLE ON SHEET 11

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 C1, 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 C1:

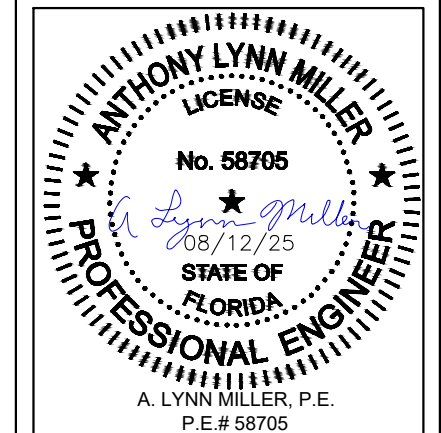
Water-Limited (+) Design Pressure			
Sill Riser	Nom. Sill Height	Max. (+) DP Allowed	Water Test Pressure
42	2-1/2"	+35.0 psf	+5.8 psf
43	3-1/2"	+60.0 psf	+9.0 psf

TABLE NOTES:

- 1) THE LESSER VALUE OF TABLE 1 AND TABLE C1 DETERMINES THE WATER LIMITED (+) DP.
- 2) SEE SILL RISER TYPES ON SHEET 5.
- 3) SHEET APPLIES TO 2, 3 AND 4 TRACK CONFIGURATIONS.
- 4) REFER TO ANCHOR NOTES, SHEET 1.
- 5) SEE SHEETS 12-16 FOR ANCHOR LOCATION & SPACING

DLO WIDTH = NOMINAL PANEL WIDTH - 4-7/8"
 GLASS WIDTH = DLO WIDTH + 1.5"
 DLO HEIGHT = DOOR UNIT HEIGHT - 7-13/16"
 GLASS HEIGHT = DLO HEIGHT + 1.5"
 PANEL HEIGHT = DOOR UNIT HEIGHT - 2-13/16"

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SGT Custom Windows and Doors		8 OF 20	SGT SGD5570NS



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

TABLE 2:

Use this table for:		Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheet 3)																											
		Door Unit Height																											
		80				84				96				98				108				120							
		72-5/16" DLO Height				76-5/16" DLO Height				88-5/16" DLO Height				90-5/16" DLO Height				100-5/16" DLO Height				112-5/16" DLO Height							
Glass Type 2 Standard Interlock Stile		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 +60 / -80 psf				Design Pressure +60 / -80 psf				Design Pressure +60 / -80 psf				Design Pressure +60 / -80 psf				Design Pressure +60 / -60 psf				Design Pressure +60 / -60 psf						
		Head/Sill	C5+3	C5+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+2	C5+1	C5+1	C3+1	C5+2	C5+1	C5+1	C3+1			
		Jamb	6	5	9	5	6	5	9	5	6	5	9	5	6	5	9	5	6	6	8	6	6	6	8	6			
	P-hook	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10				
	30	25-1/8" DLO Width	Design Pressure +60 / -80 psf				Design Pressure +60 / -80 psf				Design Pressure +60 / -80 psf				Design Pressure +60 / -80 psf				Design Pressure +60 / -60 psf				Design Pressure +60 / -60 psf						
		Head/Sill	C5+3	C5+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+2	C5+1	C5+1	C3+1	C5+2	C5+1	C5+1	C3+1			
		Jamb	6	5	9	5	6	5	9	5	6	5	9	5	6	5	9	5	6	6	8	6	6	6	8	6			
	P-hook	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10				
	36	31-1/8" DLO Width	Design Pressure +60 / -80 psf				Design Pressure +60 / -80 psf				Design Pressure +60 / -80 psf				Design Pressure +60 / -80 psf				Design Pressure +60 / -60 psf				Design Pressure +60 / -60 psf						
		Head/Sill	C5+3	C5+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+2	C5+1	C5+1	C3+1	C5+2	C5+1	C5+1	C3+1			
		Jamb	6	5	9	5	6	5	9	5	6	5	9	5	6	5	9	5	6	6	8	6	6	6	8	6			
	P-hook	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10				
	42	37-1/8" DLO Width	Design Pressure +60 / -80 psf				Design Pressure +60 / -80 psf				Design Pressure +60 / -80 psf				Design Pressure +60 / -80 psf				Design Pressure +60 / -60 psf				Design Pressure +60 / -60 psf						
		Head/Sill	C5+3	C5+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+2	C5+1	C5+1	C3+1	C5+2	C5+1	C5+1	C3+1			
		Jamb	6	5	9	5	6	5	9	5	6	5	9	5	6	5	9	5	6	6	8	6	6	6	8	6			
	P-hook	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10				
	48	43-1/8" DLO Width	Design Pressure +60 / -80 psf				Design Pressure +60 / -80 psf				Design Pressure +60 / -80 psf				Design Pressure +60 / -80 psf				Design Pressure +60 / -60 psf				Design Pressure +60 / -60 psf						
		Head/Sill	C5+3	C5+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+2	C5+1	C5+1	C3+1	C5+2	C5+1	C5+1	C3+1			
Jamb		6	5	9	5	6	5	9	5	6	5	9	5	6	5	9	5	6	6	8	6	6	6	8	6				
P-hook	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10					
54	49-1/8" DLO Width	Design Pressure +60 / -80 psf				Design Pressure +60 / -80 psf				Design Pressure +60 / -80 psf				Design Pressure +60 / -80 psf															
	Head/Sill	C5+3	C5+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2												
	Jamb	6	5	9	5	6	5	9	5	6	5	9	5	6	5	9	5												
P-hook	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9													
60	55-1/8" DLO Width	Design Pressure +60 / -80 psf				Design Pressure +60 / -80 psf				Design Pressure +60 / -80 psf				Design Pressure +60 / -80 psf															
	Head/Sill	C5+3	C5+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2												
	Jamb	6	5	9	5	6	5	9	5	6	5	9	5	6	5	9	5												
P-hook	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	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 C2, 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 NOTES:

- 1) THE LESSER VALUES OF EITHER TABLE 2 AND TABLE C2 DETERMINES THE WATER LIMITED (+) DP.
- 2) SEE SILL RISER TYPES ON SHEET 5.
- 3) SHEET APPLIES TO 2, 3 AND 4 TRACK CONFIGURATIONS.
- 4) REFER TO ANCHOR NOTES, SHEET 1.
- 5) SEE SHEETS 12-16 FOR ANCHOR LOCATION & SPACING

DLO WIDTH = NOMINAL PANEL WIDTH - 4-7/8"
 GLASS WIDTH = DLO WIDTH + 1.5"
 DLO HEIGHT = DOOR UNIT HEIGHT - 7-13/16"
 GLASS HEIGHT = DLO HEIGHT + 1.5"
 PANEL HEIGHT = DOOR UNIT HEIGHT - 2-13/16"

TABLE C2:

Water-Limited (+) Design Pressure			
Sill Riser	Nom. Sill Height	Max. (+) DP Allowed	Water Test Pressure
42	2-1/2"	+35.0 psf	+5.8 psf
43	3-1/2"	+60.0 psf	+9.0 psf

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TABLE 3:

Design Pressure (DP) and Anchor Quantities Required.

Use this table for: Glass Type 2 HD Interlock Stile				Door Unit Height																															
				80				84				96				98				108				120											
				72-5/16" DLO Height				76-5/16" DLO Height				88-5/16" DLO Height				90-5/16" DLO Height				100-5/16" DLO Height				112-5/16" DLO Height											
				Anchor Group				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	A	B	C	D								
Nominal Panel Width	24	19-1/8" DLO Width	Design Pressure	For these sizes: see table 2 on sheet 9																															
			Head/Sill																																
			Jamb																																
	P-hook																																		
	30	25-1/8" DLO	Design Pressure																																
			Head/Sill																																
			Jamb																																
	P-hook																																		
	36	31-1/8" DLO Width	Design Pressure																																
			Head/Sill																																
			Jamb																																
	P-hook																																		
	42	37-1/8" DLO Width	Design Pressure																																
			Head/Sill																																
			Jamb																																
	P-hook																																		
	48	43-1/8" DLO Width	Design Pressure																																
			Head/Sill																																
			Jamb																																
	P-hook																																		
	54	49-1/8" DLO Width	Design Pressure																									+60 / -60 psf				+60 / -60 psf			
			Head/Sill																									C5+2	C5+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1
			Jamb																									6	6	10	6	6	6	10	6
	P-hook	10	10																									10	10	10	10	10	10		
60	55-1/8" DLO Width	Design Pressure	+60 / -60 psf				+60 / -60 psf																												
		Head/Sill	C5+2	C5+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1																									
		Jamb	6	6	10	6	6	6	10	6																									
P-hook	10	10	10	10	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 C3, 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.

For these sizes: see table 2 on sheet 9

+60 / -60 psf				+60 / -60 psf			
C5+2	C5+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1
6	6	10	6	6	6	10	6
10	10	10	10	10	10	10	10

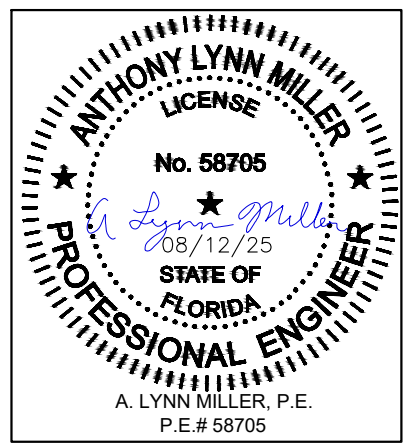
- TABLE NOTES:
- 1) THE LESSER VALUES OF EITHER TABLE 3 AND TABLE C3 DETERMINES THE WATER LIMITED (+) DP.
 - 2) SEE SILL RISER TYPES ON SHEET 5.
 - 3) SHEET APPLIES TO 2, 3 AND 4 TRACK CONFIGURATIONS.
 - 4) REFER TO ANCHOR NOTES, SHEET 1.
 - 5) SEE SHEETS 12-16 FOR ANCHOR LOCATION & SPACING

DLO WIDTH = NOMINAL PANEL WIDTH - 4-7/8"
 GLASS WIDTH = DLO WIDTH + 1.5"
 DLO HEIGHT = DOOR UNIT HEIGHT - 7-13/16"
 GLASS HEIGHT = DLO HEIGHT + 1.5"
 PANEL HEIGHT = DOOR UNIT HEIGHT - 2-13/16"

TABLE C3:

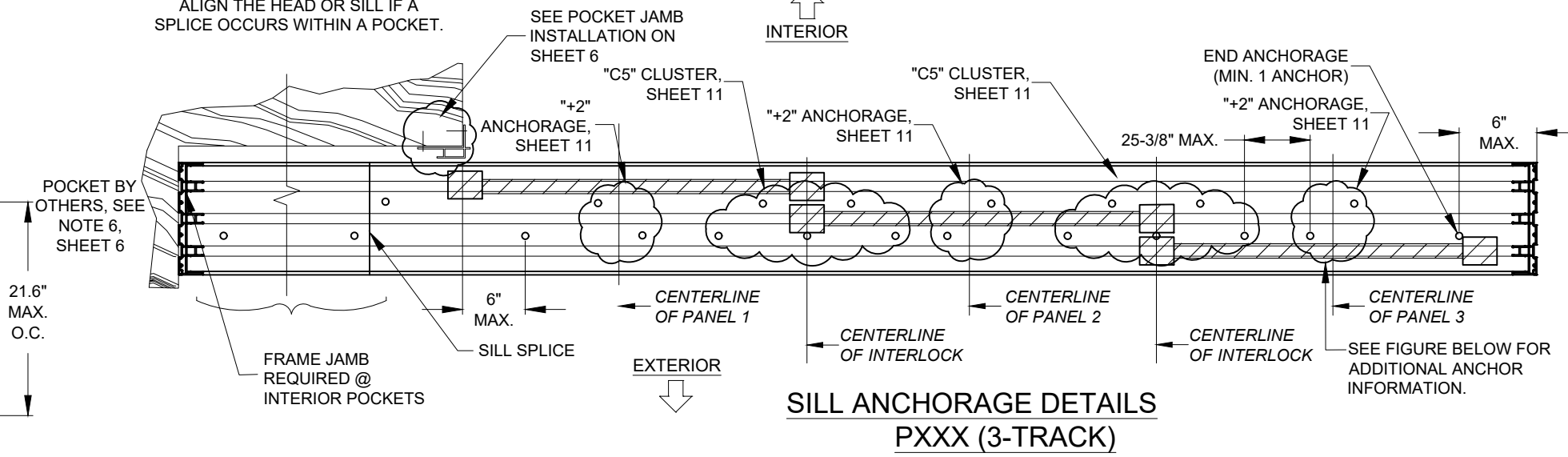
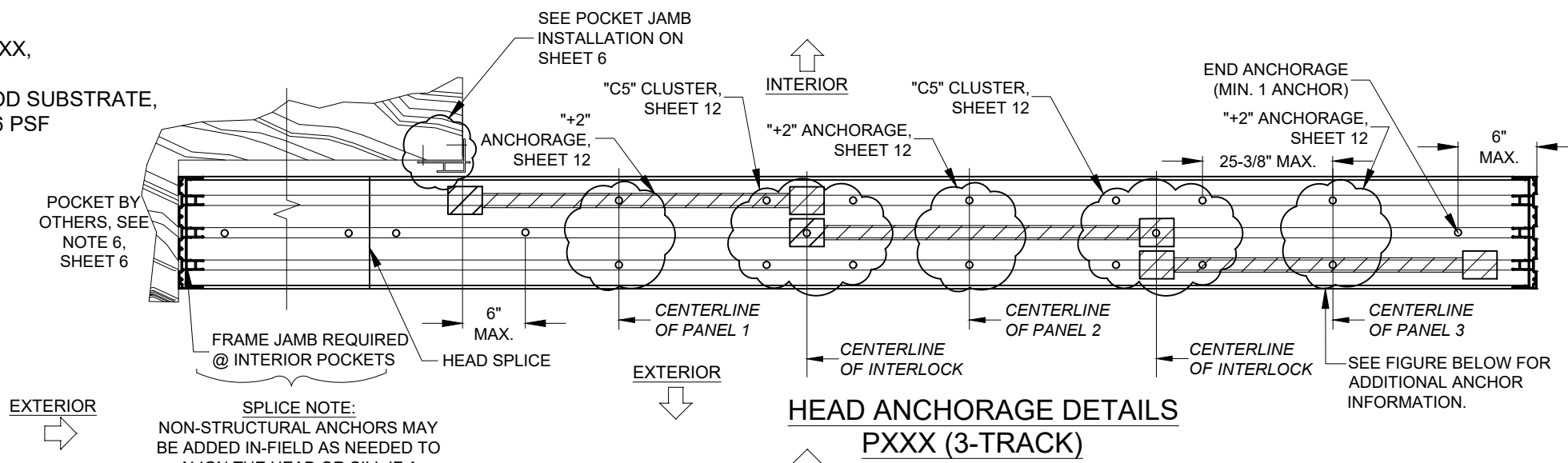
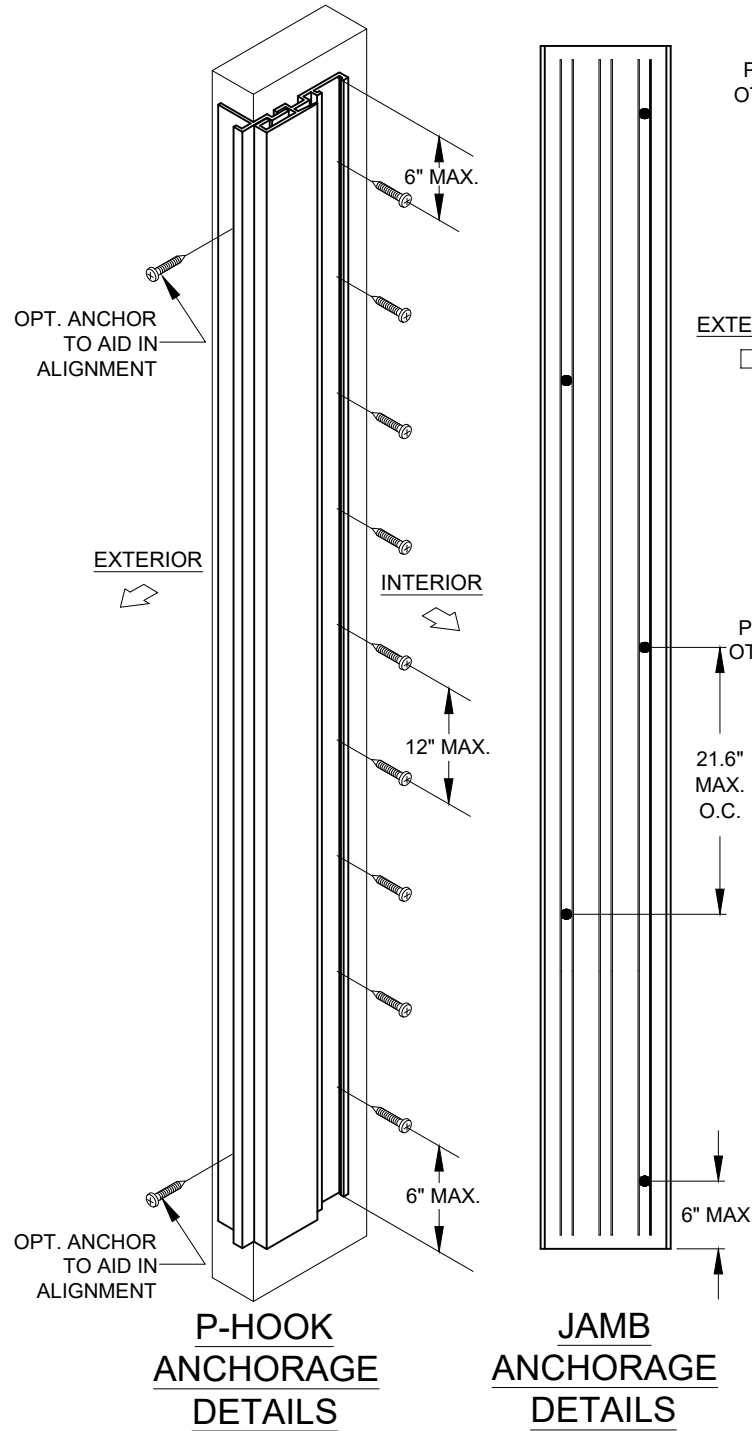
Water-Limited (+) Design Pressure			
Sill Riser	Nom. Sill Height	Max. (+) DP Allowed	Water Test Pressure
42	2-1/2"	+35.0 psf	+5.8 psf
43	3-1/2"	+60.0 psf	+9.0 psf

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DWG No. 10 OF 20		Sheet No. 10 OF 20	



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 TABLE 1 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 6, THE DESIGN PRESSURE IS +60/-60 WHICH EXCEEDS THE PROJECT DESIGN PRESSURE REQUIREMENTS.

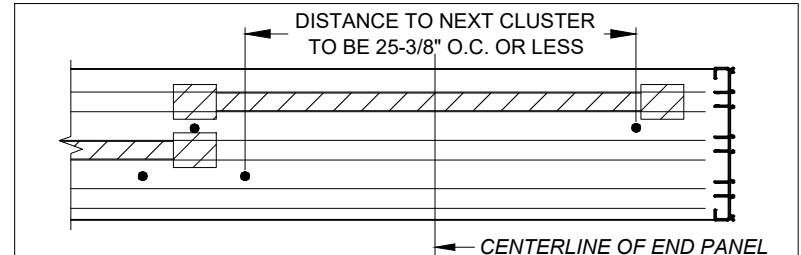
FOR WOOD INSTALLATION USING ANY ANCHOR IN GROUP A (SEE TABLE A), TABLE 1 SHOWS ANCHOR REQUIREMENTS OF

Head/Sill	C5+2
Jamb	5
P-hook	9

2) ANCHOR LOCATION DETAILS, CAN BE FOUND ON:
 HEAD (CLUSTER ANCHORS): SHEET 13 FOR THE "C5" CLUSTER ANCHORS AT THE INTERLOCK.
 HEAD (INTERMEDIATE ANCHORS): SHEET 13 FOR THE "+2 ANCHORS AT THE MIDSPAN OF EACH PANEL.
 SILL (CLUSTER ANCHORS): SHEET 12 FOR THE "C5" CLUSTER ANCHORS AT THE INTERLOCK.
 SILL (INTERMEDIATE ANCHORS): SHEET 12 FOR THE "+2 ANCHORS AT THE MIDSPAN OF EACH PANEL.
 JAMB: 5 ANCHORS, SHEET 14 FOR GEN. LAYOUT.
 P-HOOK: 9 ANCHORS, SHEET 14 FOR GENERAL LAYOUT.

3) INSTALLATION DETAILS INTO WOOD CAN BE FOUND ON:
 HEAD & SILL: SHEET 5
 JAMB: SHEET 4
 P-HOOK: SHEET 7

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 3 FOR ALLOWABLE CONFIGURATIONS AND EXACT LOCATIONS OF CROSS-SECTION DRAWINGS.
 B) SHEET 2 FOR SPECIFIC GLAZING TYPES.
 C) SHEET 17 FOR ALLOWABLE PANEL TYPES AND CALL NAMES.
 D) SHEET 19 FOR EXTRUSION DRAWINGS.
 E) SHEET 20 FOR A BILL OF MATERIALS.

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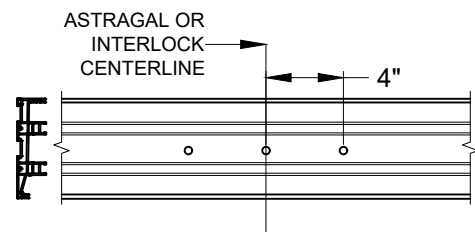
DATE: 08/12/25
 DRAWN BY: COLTON KEMPFF
 SERIES: SCD5570NS
 SHEET: 11 OF 20
 TITLE: ANCHOR SPACING & EXAMPLE

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 N. VENICE, FL 34275
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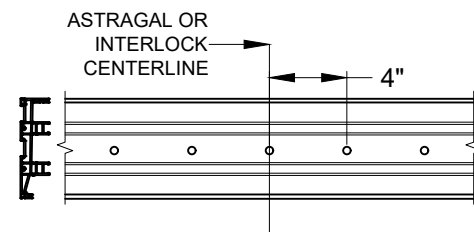
ANTHONY LYNN MILLER
 LICENSE
 No. 58705
 08/12/25
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.# 58705

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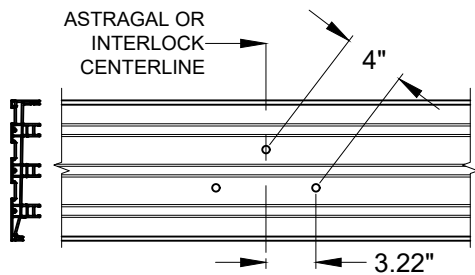
SILL CLUSTER ANCHORS LAYOUT:



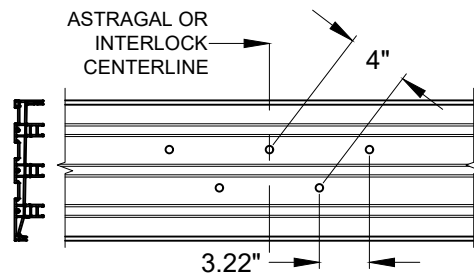
2-TRACK CLUSTER "C3" ANCHOR LOCATIONS



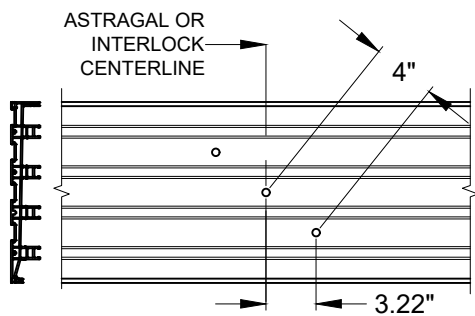
2-TRACK CLUSTER "C5" ANCHOR LOCATIONS



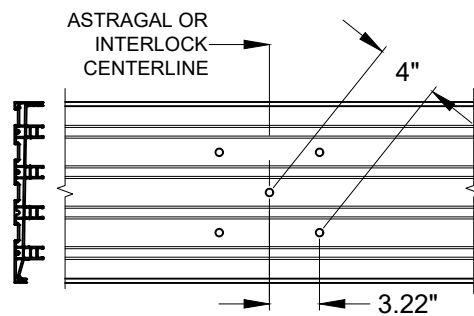
3-TRACK CLUSTER "C3" ANCHOR LOCATIONS



3-TRACK CLUSTER "C5" ANCHOR LOCATIONS



4-TRACK CLUSTER "C3" ANCHOR LOCATIONS

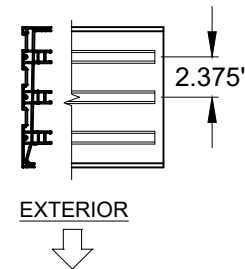


4-TRACK CLUSTER "C5" ANCHOR LOCATIONS

NOTES:

1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

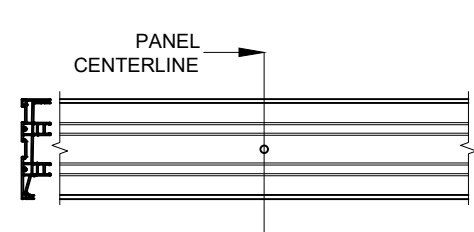
2) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL SILLS:



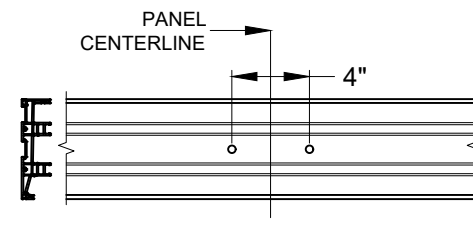
FIGURES PERTAIN TO THE FOLLOWING SILL CLUSTER ANCHOR LOCATIONS:

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

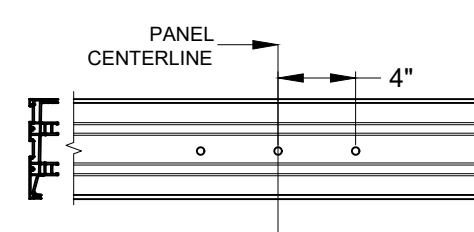
SILL "+" INTERMEDIATE ANCHORS LAYOUT:



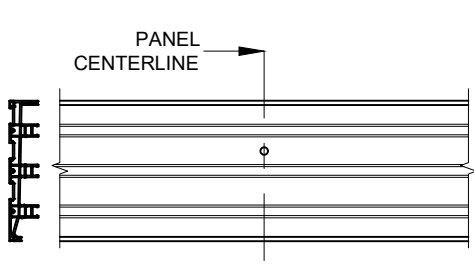
2-TRACK INTERMEDIATE "+1" ANCHOR LOCATION



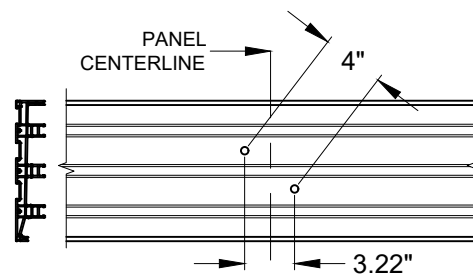
2-TRACK INTERMEDIATE "+2" ANCHOR LOCATIONS



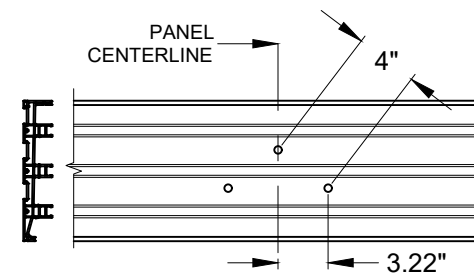
2-TRACK INTERMEDIATE "+3" ANCHOR LOCATIONS



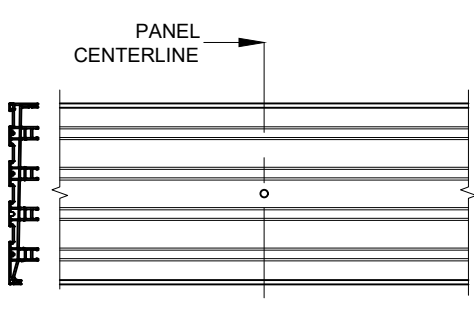
3-TRACK INTERMEDIATE "+1" ANCHOR LOCATION



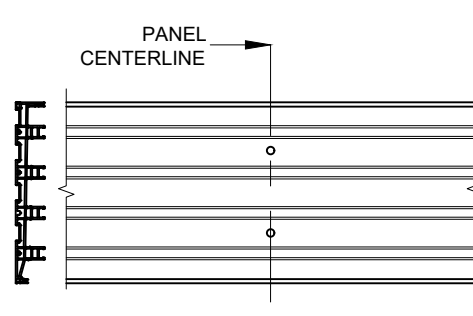
3-TRACK INTERMEDIATE "+2" ANCHOR LOCATIONS



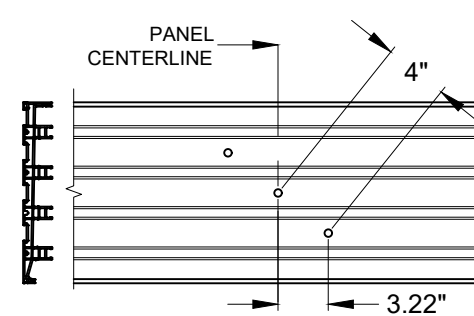
3-TRACK INTERMEDIATE "+3" ANCHOR LOCATIONS



4-TRACK INTERMEDIATE "+1" ANCHOR LOCATION



4-TRACK INTERMEDIATE "+2" ANCHOR LOCATIONS

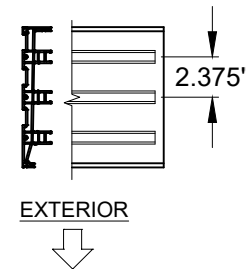


4-TRACK INTERMEDIATE "+3" ANCHOR LOCATIONS

NOTES:

1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

2) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL SILLS:



FIGURES PERTAIN TO THE FOLLOWING SILL INTERMEDIATE ANCHOR LOCATIONS:

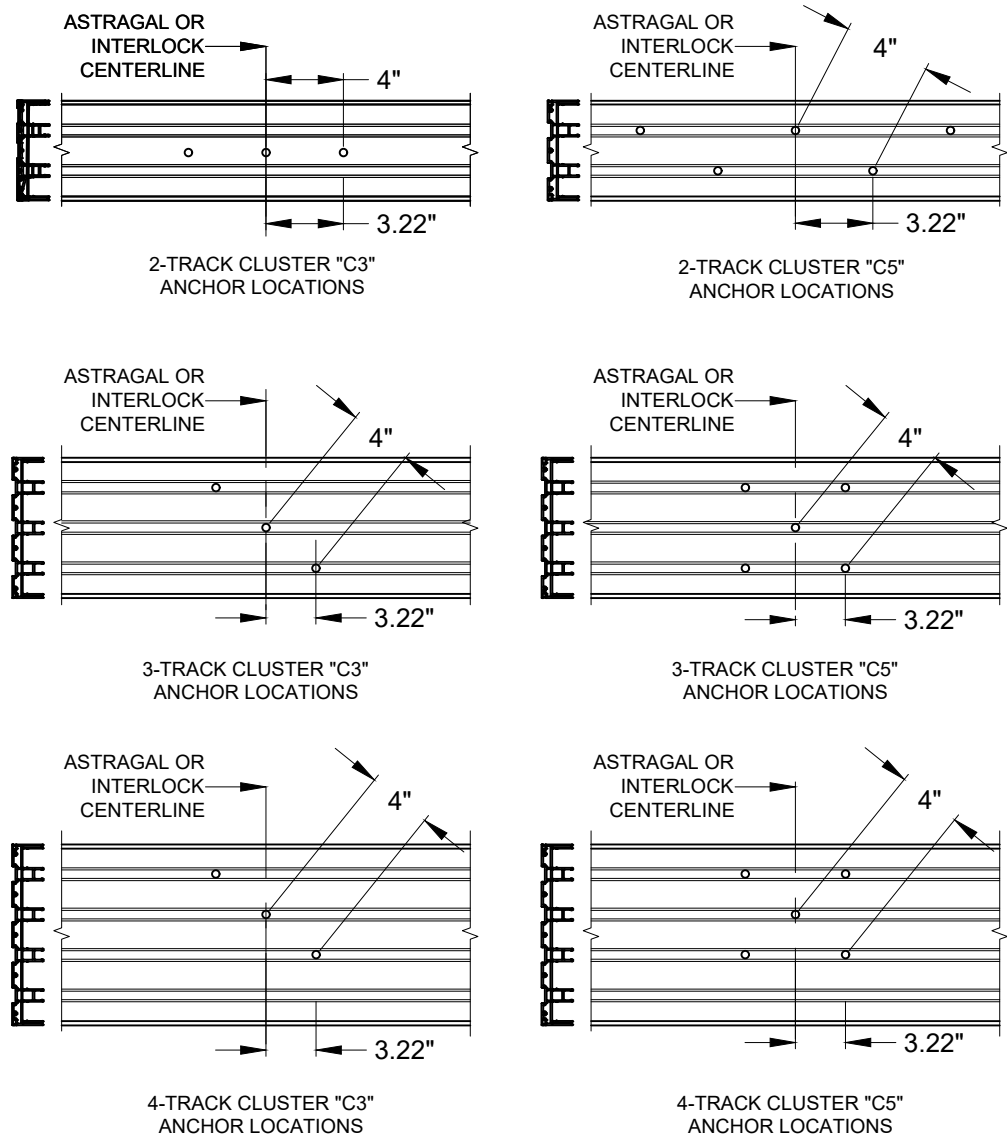
Head/Sill	C3+1
Jamb	5
P-hook	7

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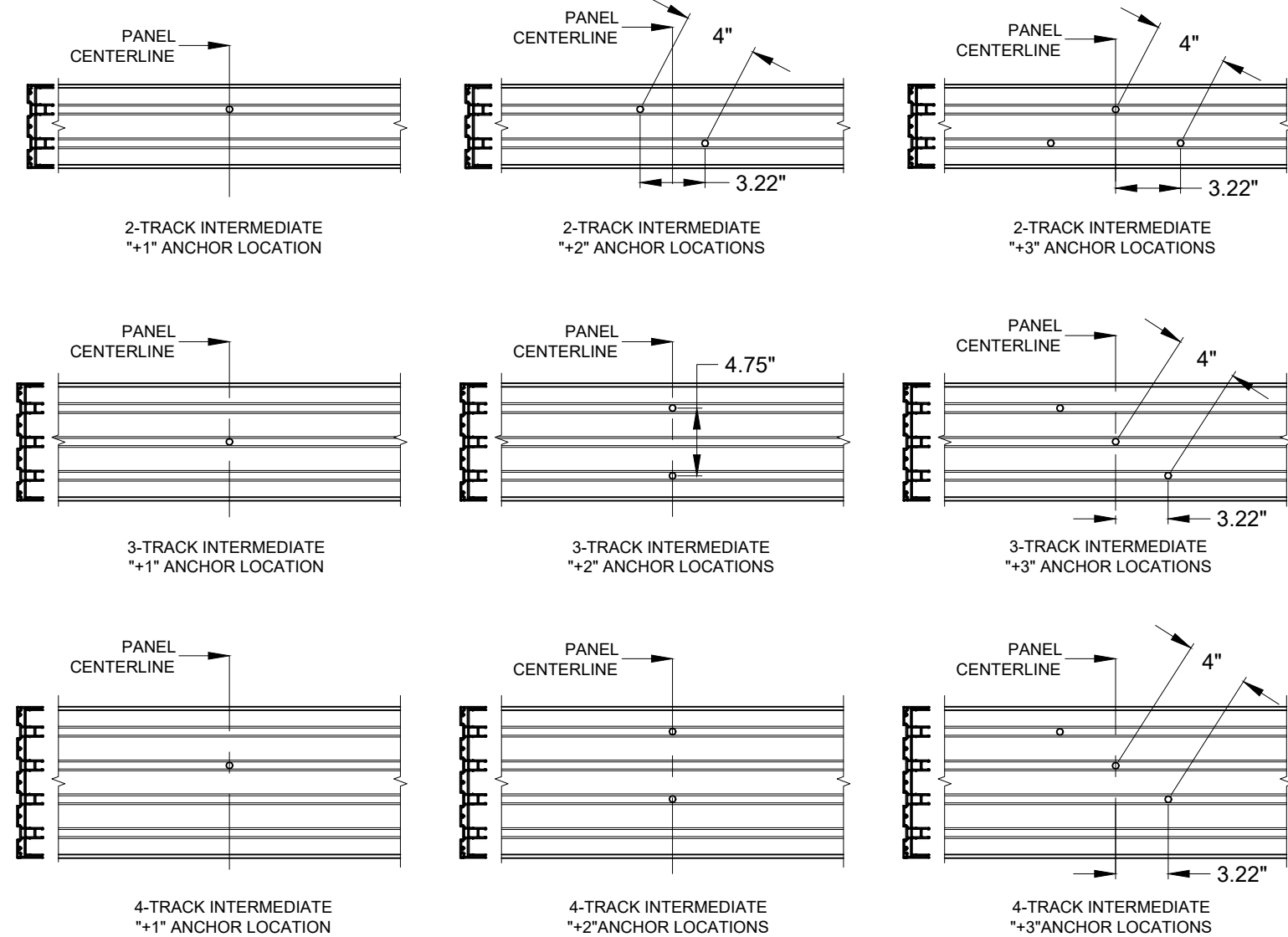
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	VINYL SLIDING GLASS DOOR (LM) ANCHOR LOCATIONS A	12 OF 20 Sheet	SGD5570NS Series

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 P.E.# 58705

HEAD CLUSTER ANCHORS LAYOUT:

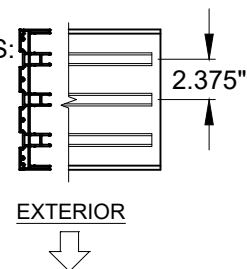
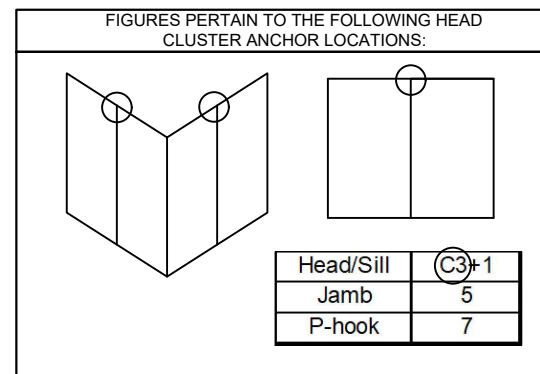


HEAD "+" INTERMEDIATE ANCHORS LAYOUT:



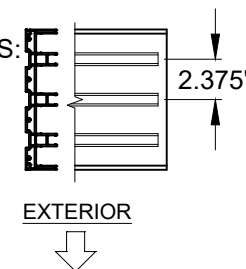
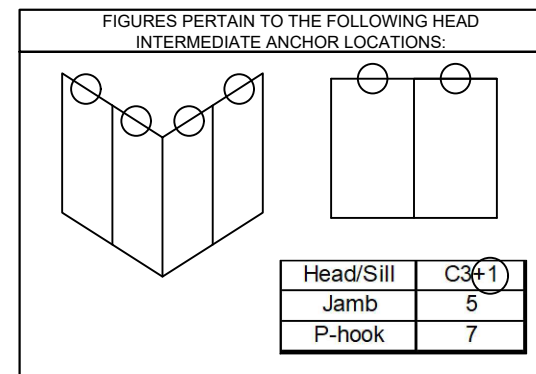
NOTES:

- 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:

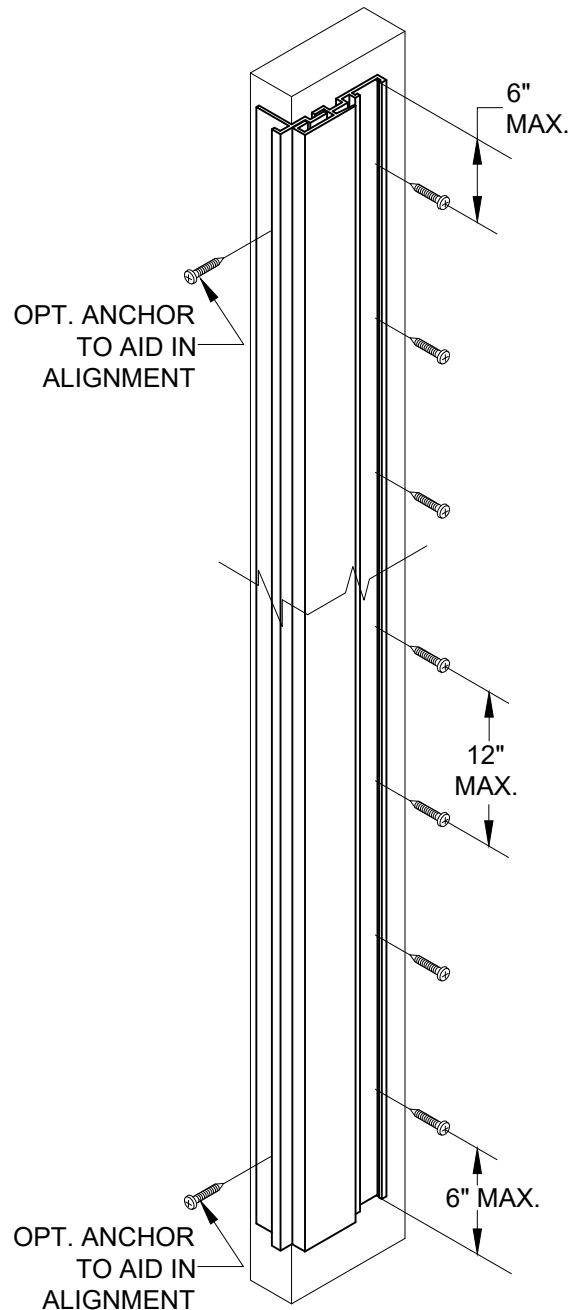


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	VINYL SLIDING GLASS DOOR (LM)	No. 13 OF 20	Drawn By: COLTON KEMP No. DWG: SGD5570NS AAMA ANCHORAGE

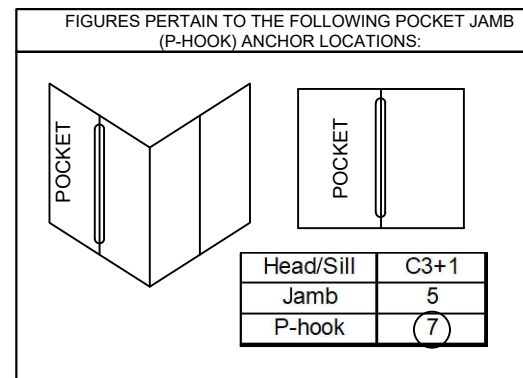
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 P.E.# 58705

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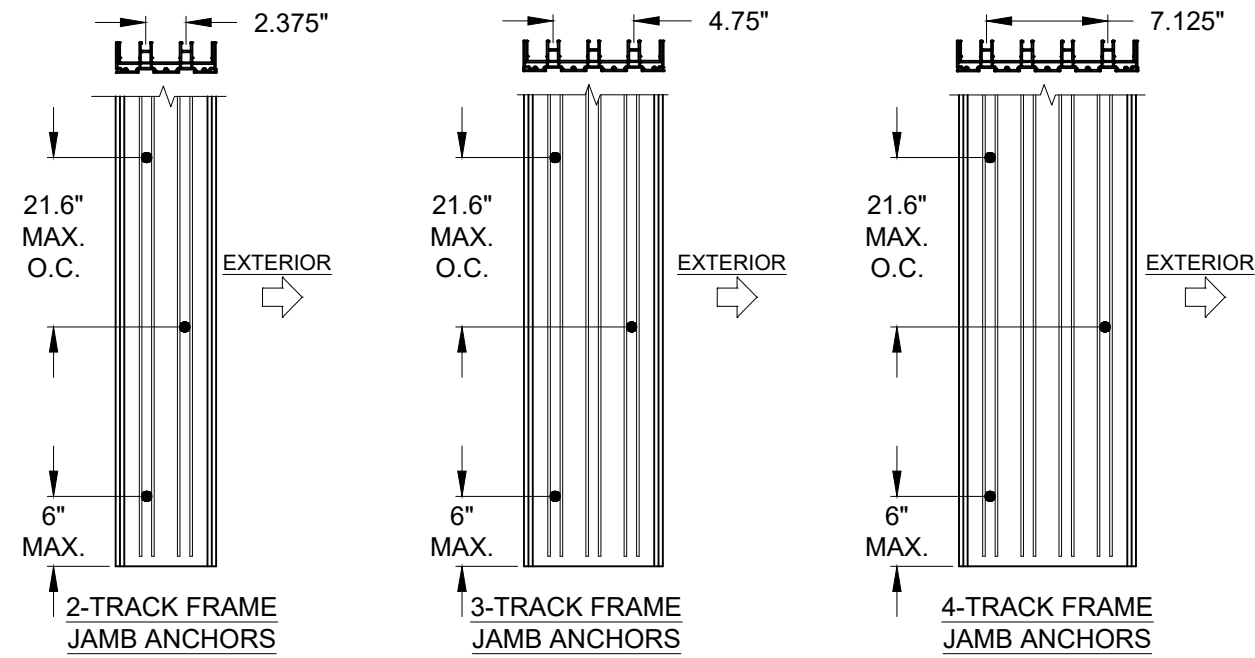
P-HOOK ANCHORS LAYOUT:



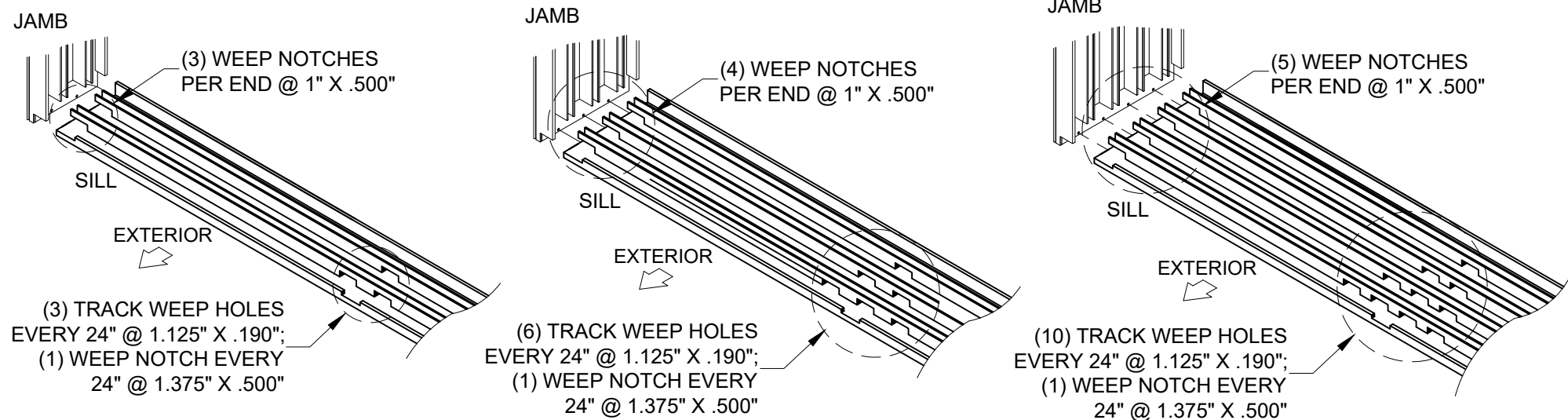
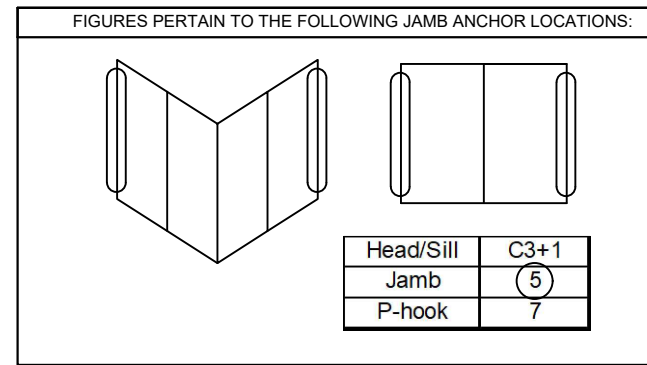
NOTES:
 1) SEE TABLES 1 - 3 FOR EXACT QUANTITY OF ANCHORS REQUIRED IN THE P-HOOK.



JAMB ANCHORS LAYOUT, (PARTIAL VIEW):



NOTE:
 1) STANDARD ANCHOR LOCATIONS SHOWN. FOR 3 AND 4-TRACK JAMBS, ANCHORS MAY BE LOCATED IN ADJACENT TRACKS (SIMILAR TO THE 2-TRACK JAMB) AS REQUIRED TO MEET MIN. EDGE DISTANCE CONSTRAINTS.



SILL WEEPHOLE LAYOUT (2, 3 & 4 TRACKS)

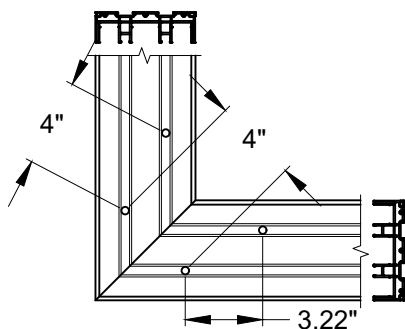
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PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600	VINYL SLIDING GLASS DOOR (LM) ANCHOR LOCATIONS C	DRAWN	COLTON KEMPF
		NO.	SGD5570NS AAMA ANCHORAGE
SHEET 14 OF 20		SERIES SGD5570NS	

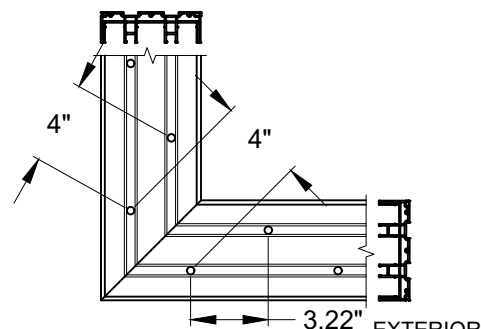
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 08/12/25
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.# 58705

HEAD 90° CORNER CLUSTER ANCHORS LAYOUT:

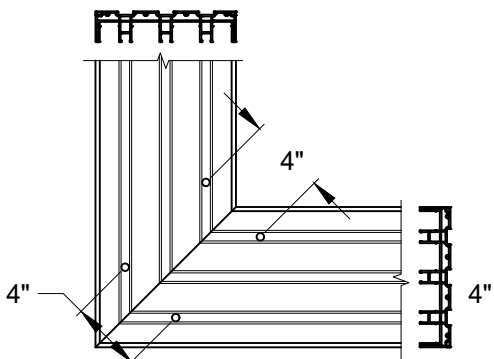
SILL 90° CORNER CLUSTER ANCHORS LAYOUT:



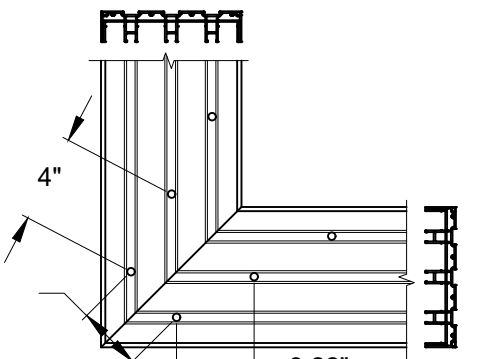
2-TRACK 90° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



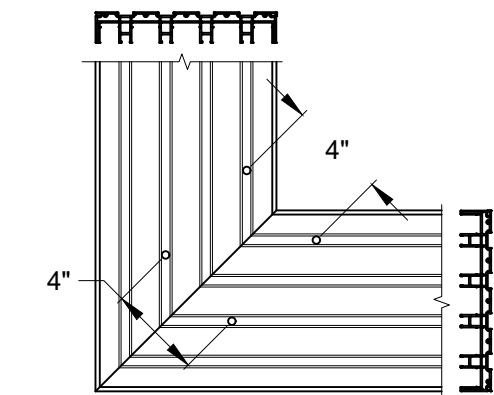
2-TRACK 90° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



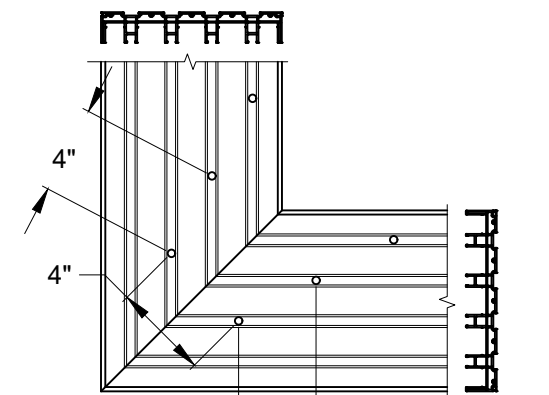
3-TRACK 90° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



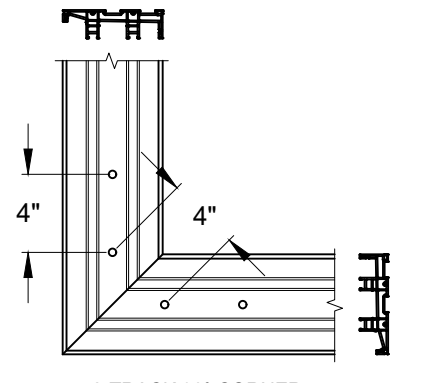
3-TRACK 90° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



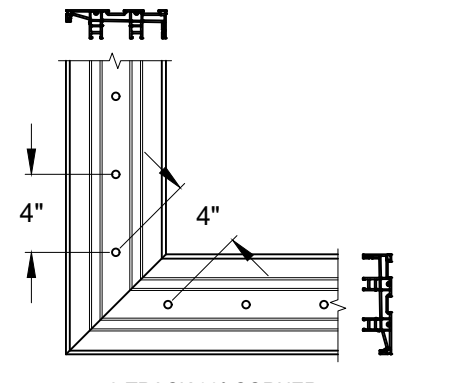
4-TRACK 90° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



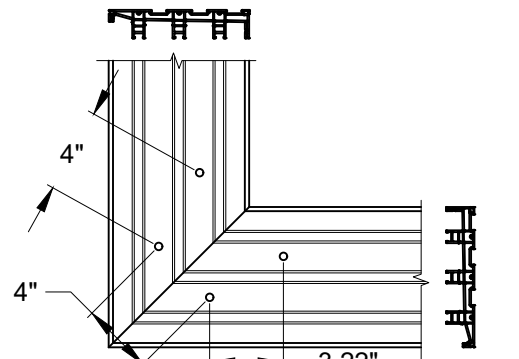
4-TRACK 90° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



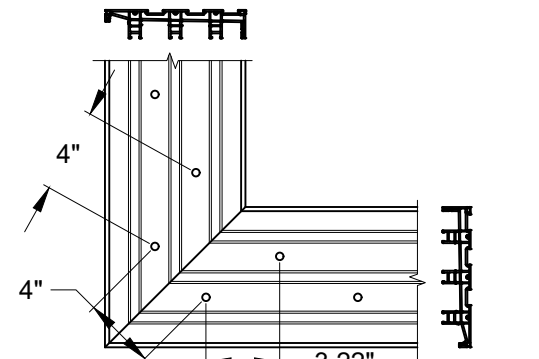
2-TRACK 90° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



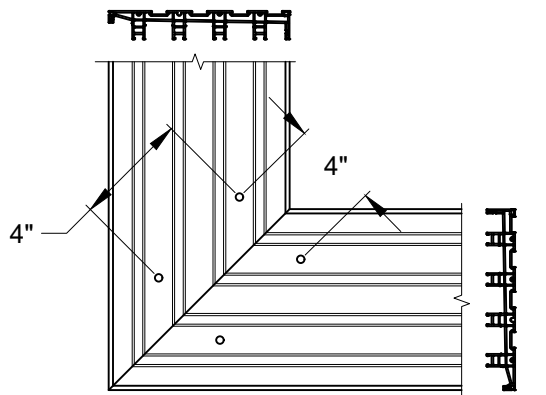
2-TRACK 90° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



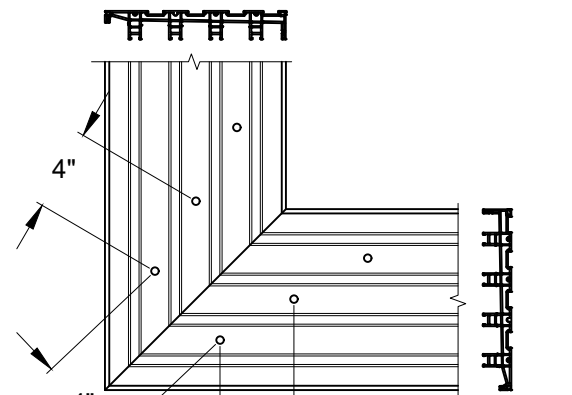
3-TRACK 90° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



3-TRACK 90° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

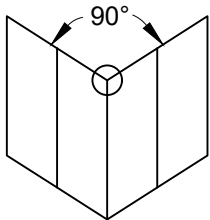


4-TRACK 90° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



4-TRACK 90° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

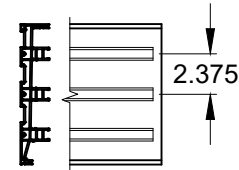
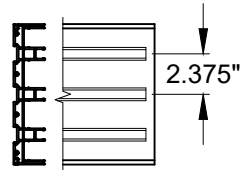
FIGURES PERTAIN TO THE FOLLOWING 90° CORNER HEAD ANCHOR LOCATIONS:



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

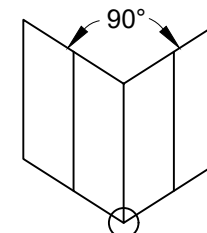
NOTES:

- 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 90° CORNER SILL ANCHOR LOCATIONS:

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



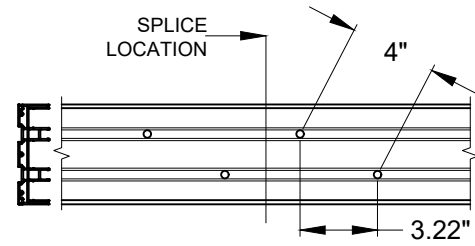
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	VINYL SLIDING GLASS DOOR (LM) ANCHOR LOCATIONS D	No. 15 OF 20	Series Desc. Title SGD5570NS ANCHORAGE

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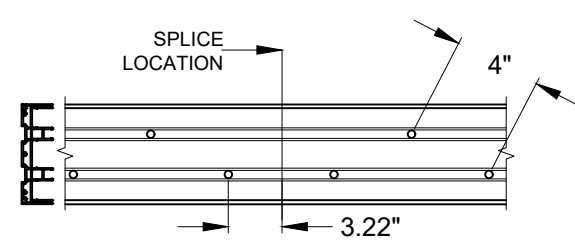
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 P.E.# 58705

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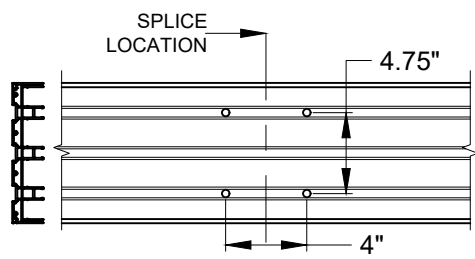
HEAD SPLICE ANCHORS @ INTERLOCK



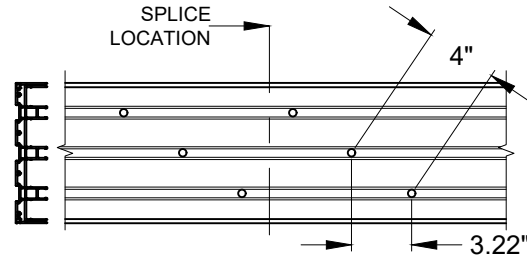
2-TRACK SPLICE
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



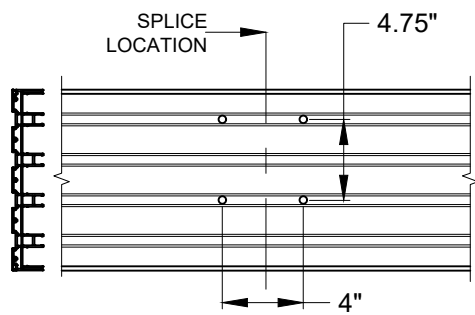
2-TRACK SPLICE
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



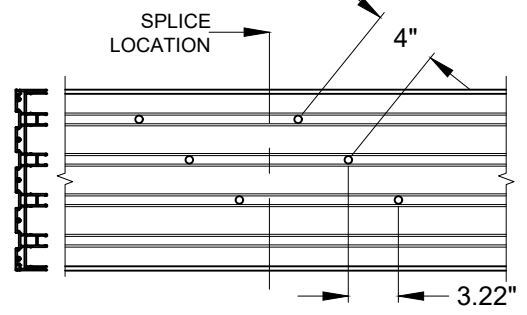
3-TRACK SPLICE
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



3-TRACK SPLICE
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

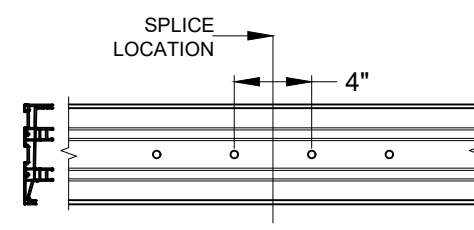


4-TRACK SPLICE
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)

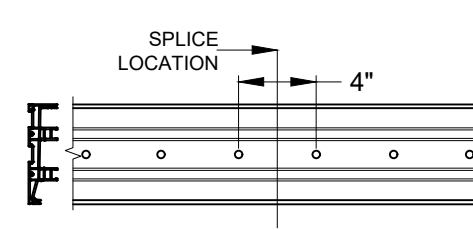


4-TRACK SPLICE
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

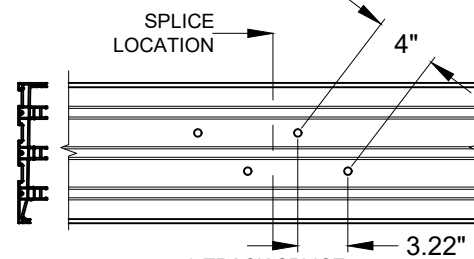
SILL SPLICE ANCHORS @ INTERLOCK



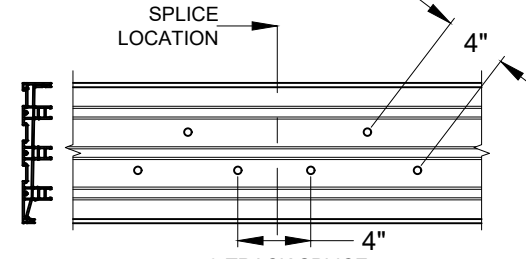
2-TRACK SPLICE
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



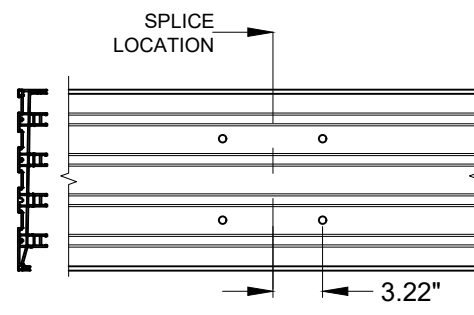
2-TRACK SPLICE
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



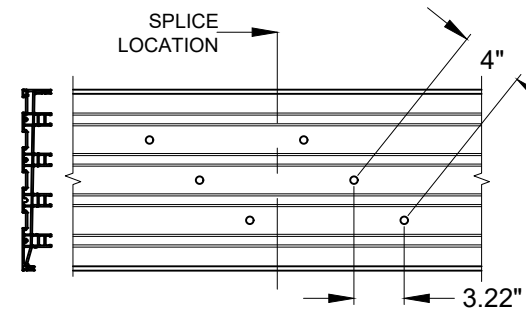
3-TRACK SPLICE
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



3-TRACK SPLICE
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

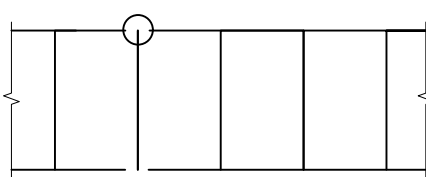


4-TRACK SPLICE
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



4-TRACK SPLICE
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

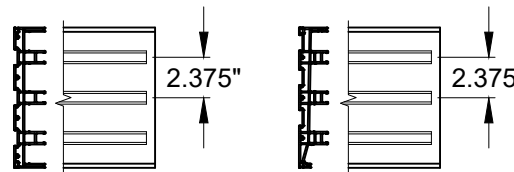
FIGURES PERTAIN TO THE FOLLOWING SPLICED HEAD ANCHOR LOCATIONS:



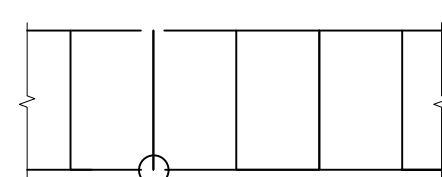
Head/Sill	(C3)+1
Jamb	5
P-hook	7

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 11.
- 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) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL HEADS AND SILLS:

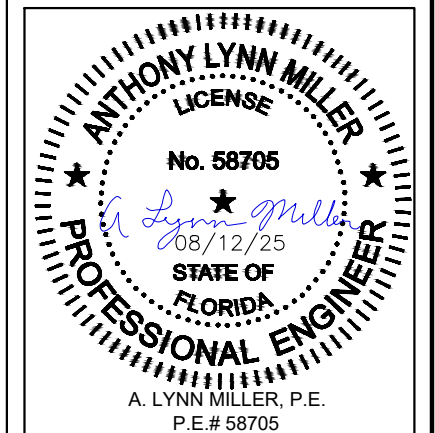


FIGURES PERTAIN TO THE FOLLOWING SPLICED SILL ANCHOR LOCATIONS:



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

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	DATE	08/12/25
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PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600	VINYL SLIDING GLASS DOOR (LM) ANCHOR LOCATIONS F	DRAWN BY	COLTON KEMP
		SHEET	16 OF 20
SERIES SGLD5570NS		TITLE SGLD5570NS AAMA ANCHORAGE	



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

PANEL STILE TYPES			
EF	L.H. INTERLOCK		R.H. INTERLOCK
F	L.H. INTERLOCK.		L.H. INTERLOCK
PP	L.H. INTERLOCK		FIXED STILE
K	L.H. INTERLOCK		LOCKSTILE W/ HANDLE
L	L.H. INTERLOCK		ASTRAGAL BOX OUT
SM	SINGLE INTERLOCK OUT		ASTRAGAL BOX IN

PANEL STILE TYPES			
B	R.H. INTERLOCK		R.H. INTERLOCK
E	R.H. INTERLOCK		L.H. INTERLOCK
P	P.H. INTERLOCK		FIXED STILE
A	R.H. INTERLOCK		LOCKSTILE W/ HANDLE
CO	R.H. INTERLOCK		ASTRAGAL BOX OUT
C	R.H. INTERLOCK		ASTRAGAL BOX IN

PANEL STILE TYPES			
RR	FIXED STILE		R.H. INTERLOCK
R	FIXED STILE		L.H. INTERLOCK
SO	FIXED STILE		ASTRAGAL BOX OUT
SI	FIXED STILE		ASTRAGAL BOX IN

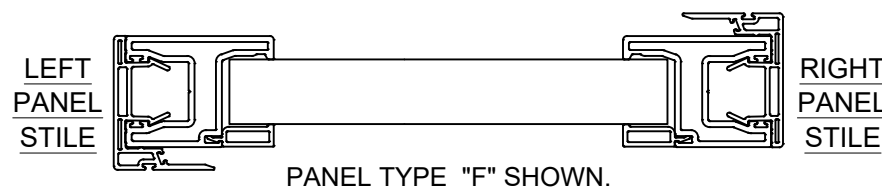
PANEL STILE TYPES			
D	LOCKSTILE W/ HANDLE		R.H. INTERLOCK
M	LOCKSTILE W/ HANDLE		L.H. INTERLOCK
JO	LOCKSTILE W/ HANDLE		ASTRAGAL BOX OUT
JI	LOCKSTILE W/ HANDLE		ASTRAGAL BOX IN

PANEL STILE TYPES			
LR	ASTRAGAL BOX OUT		R.H. INTERLOCK
TO	ASTRAGAL BOX OUT		FIXED STILE
UO	ASTRAGAL BOX OUT		LOCKSTILE W/ HANDLE

PANEL STILE TYPES			
N	ASTRAGAL BOX IN		L.H. INTERLOCK
TI	ASTRAGAL BOX IN		FIXED STILE
UI	ASTRAGAL BOX IN		LOCKSTILE W/ HANDLE
V	FIXED STILE		FIXED STILE

PANEL STILE TYPES			
AT	CORNER ASTRAGAL IN		R.H. INTERLOCK
TA	L.H. INTERLOCK		CORNER ASTRAGAL IN
CS	CORNER ASTRAGAL OUT		L.H. INTERLOCK
SC	R.H. INTERLOCK		CORNER ASTRAGAL OUT
AS	CORNER ASTRAGAL IN		L.H. INTERLOCK
SA	R.H. INTERLOCK		CORNER ASTRAGAL IN
CF	CORNER ASTRAGAL OUT		FIXED STILE
FC	FIXED STILE		CORNER ASTRAGAL OUT
CS	CORNER ASTRAGAL OUT		R.H. INTERLOCK
TC	L.H. INTERLOCK		CORNER ASTRAGAL OUT

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



PANEL NOTES:

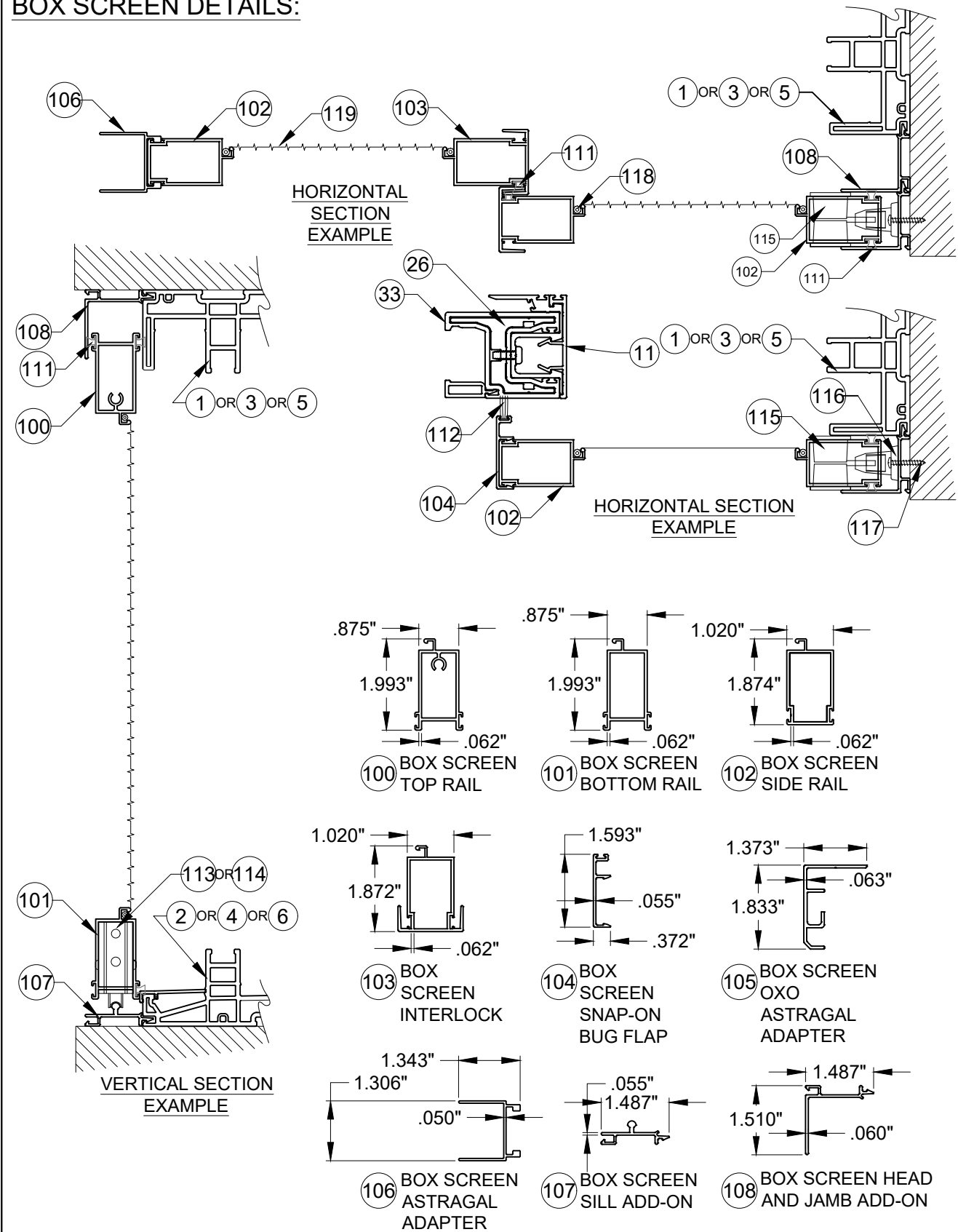
- 1) SEE DP/ANCHOR TABLES 1 - 3, SHEETS 8-10 FOR PANEL SIZES & DESIGN PRESSURE.
- 2) PANEL TYPES NOT SHOWN ARE NOT REQUIRED FOR ANY CONFIGURATIONS AND ARE NOT AVAILABLE.
- 3) MAXIMUM NOMINAL PANEL WIDTH FOR ALL PANEL CONFIGURATIONS IS 60".

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	CUSTOM WINDOWS AND DOORS 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600	VINYL SLIDING GLASS DOOR (LM)	
CUSTOM WINDOWS AND DOORS 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		PANEL TYPES SGD5570NS	Series Desc. Title SGT SGT SGT

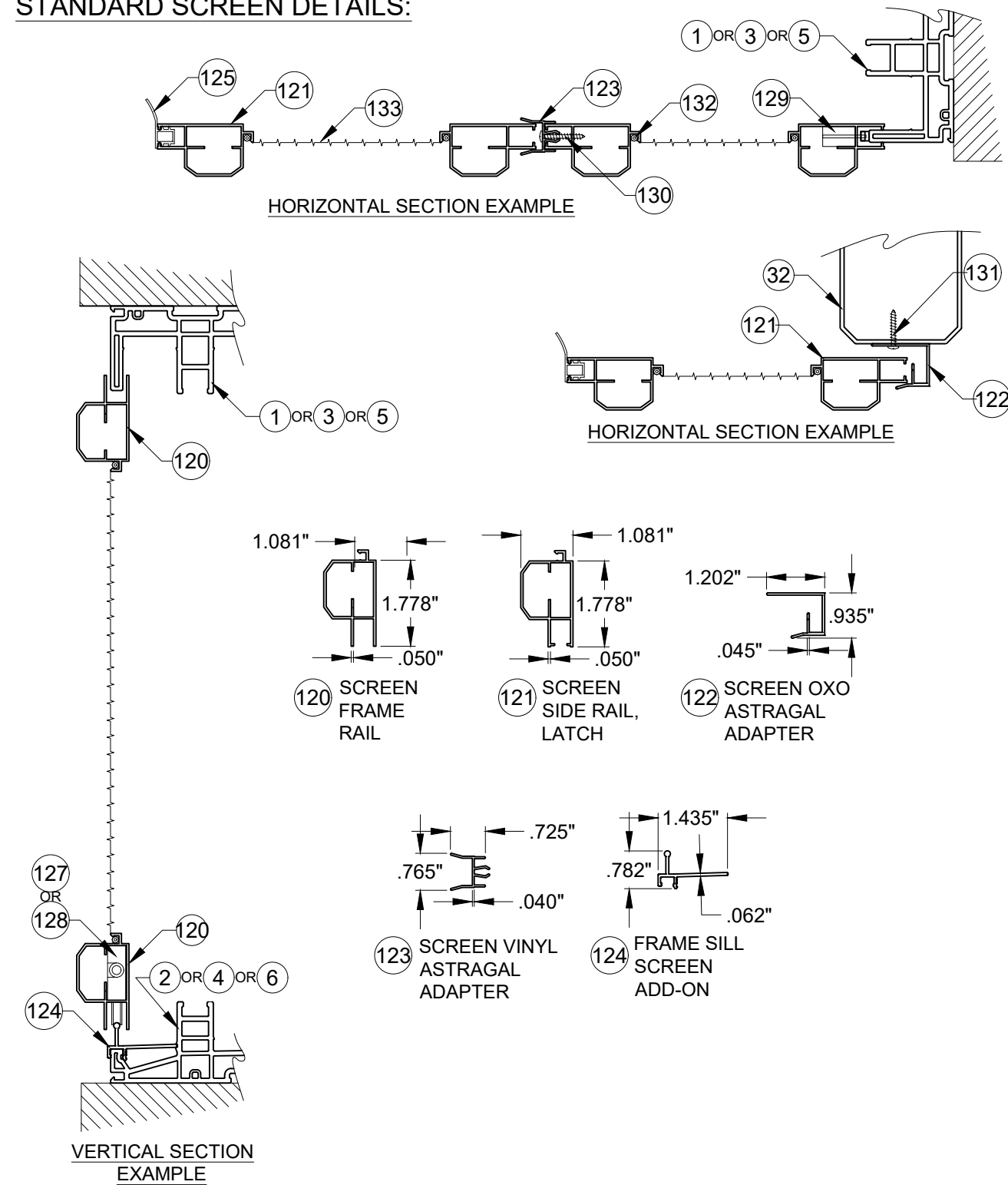
ANTHONY LYNN MILLER
 LICENSE
 No. 58705
 08/12/25
 PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 A. LYNN MILLER, P.E.
 P.E.# 58705

Rev. # _____
 Date _____
 Rev. _____

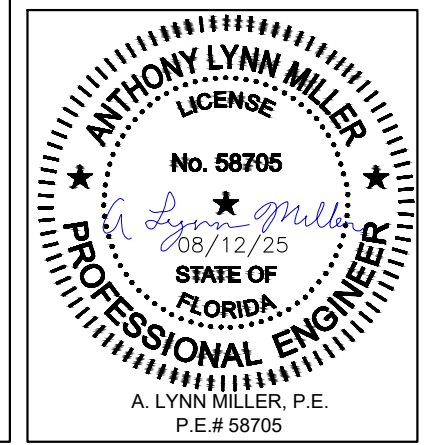
BOX SCREEN DETAILS:



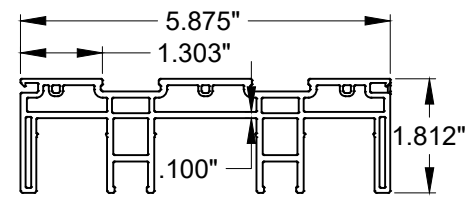
STANDARD SCREEN DETAILS:



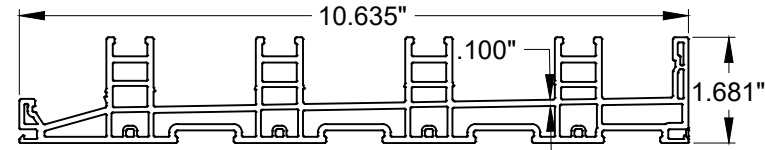
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296 COPYRIGHT © 2025 PGT, LLC. LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	08/12/25 Date	COLTON KEMPf By
	VINYL SLIDING GLASS DOOR (LM) Series Desc. Title	SGD5570NS AAMA ANCHORAGE No.	18 OF 20 Sheet



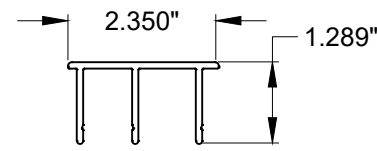
Rev.#	
Date	
Rev.	



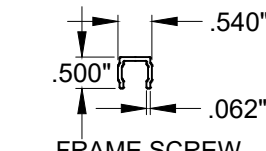
① 2 TRACK HEAD/JAMB



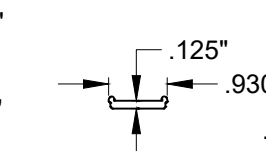
⑥ 4 TRACK SILL



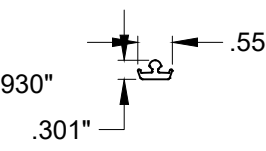
⑱ 4 TRACK EXT. JAMB COVER



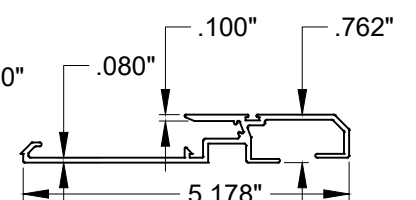
⑦ FRAME SCREW COVER (PVC)



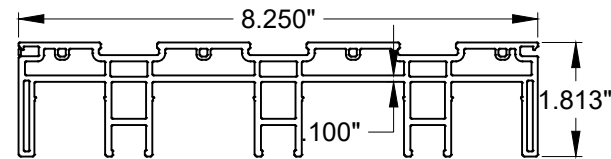
⑧ ANCHOR PLATE



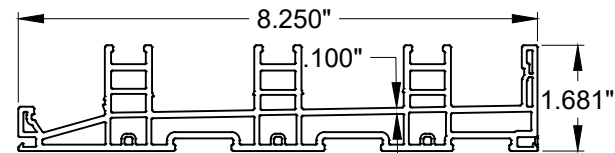
⑭ TRACK INSERT



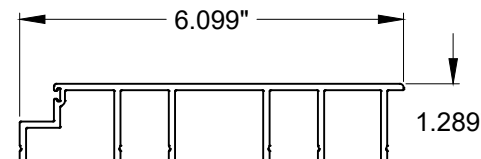
⑳ P-HOOK



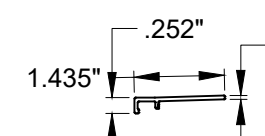
③ 3 TRACK HEAD/JAMB



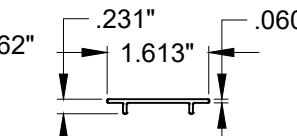
④ 3 TRACK SILL



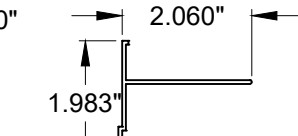
⑱ 3 TRACK EXT. JAMB COVER



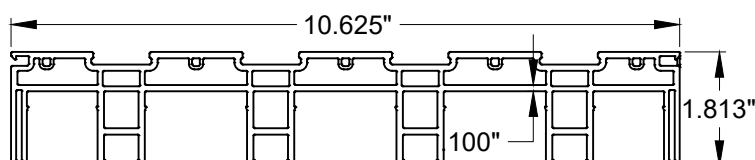
⑫ OUTER SILL COVER



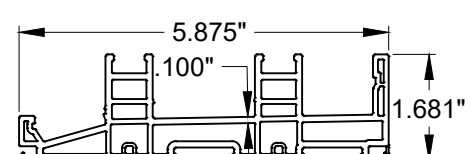
⑬ SILL TRACK COVER



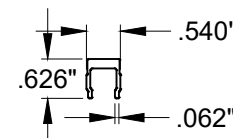
㉒ P-HOOK ADAPTOR



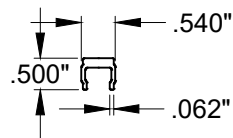
⑤ 4 TRACK HEAD/JAMB



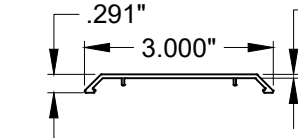
② 2 TRACK SILL



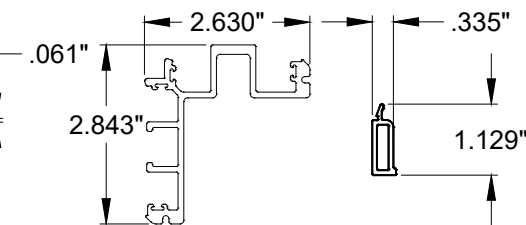
⑱ EXTENDED KEEPER



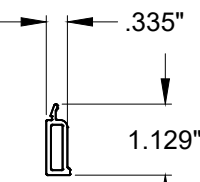
㉒ KEEPER



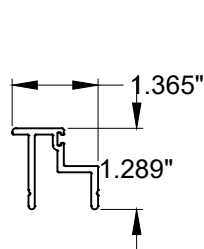
④⑧ P-HOOK COVER



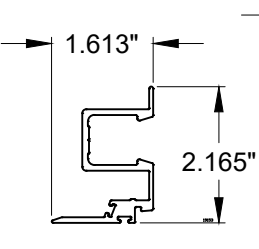
③⑨ NS 90 DEGREE CORNER



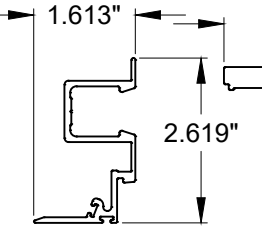
⑧② LIG BEAD CORNER



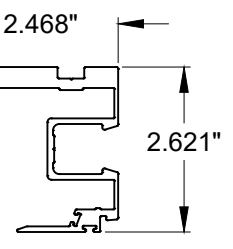
⑩ 2 TRACK INT. JAMB COVER



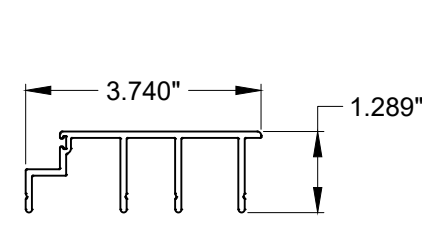
③⑩ NS STD INTERLOCK



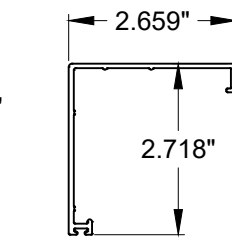
③⑦ P-HOOK INTERLOCK



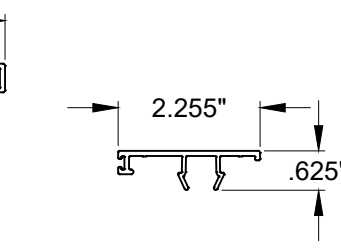
③⑤ NS HD INTERLOCK



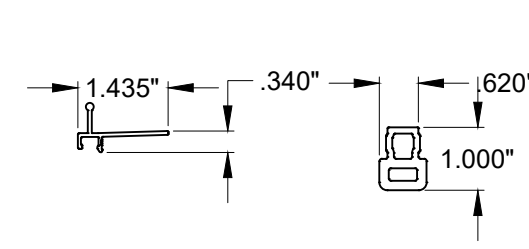
⑨ 2 TRACK EXT JAMB COVER



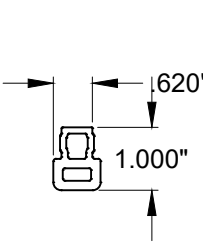
③⑥ NS HD INTERLOCK COVER



①① NS STD. INTLK COVER



⑰ OUTER SCREEN TRACK COVER



⑥④ HEADER RAIL

⑩ 2 TRACK INT. JAMB COVER

③⑩ NS STD INTERLOCK

③⑦ P-HOOK INTERLOCK

③⑤ NS HD INTERLOCK

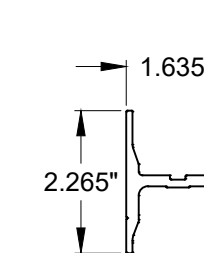
⑨ 2 TRACK EXT JAMB COVER

③⑥ NS HD INTERLOCK COVER

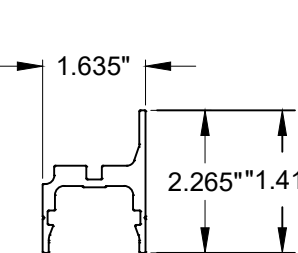
①① NS STD. INTLK COVER

⑰ OUTER SCREEN TRACK COVER

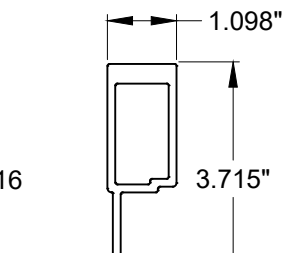
⑥④ HEADER RAIL



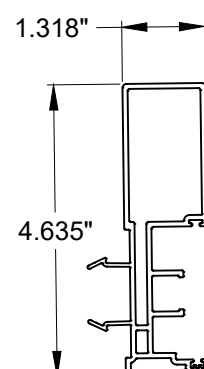
②⑤ NS RAIL REINFORCEMENT



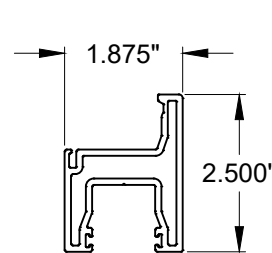
②⑥ NS STILE REINFORCEMENT



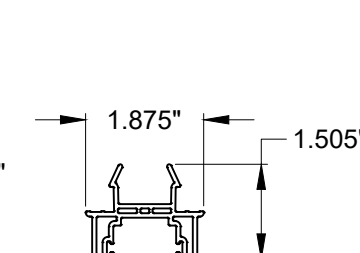
②⑨ ASTRAGAL REINFORCEMENT



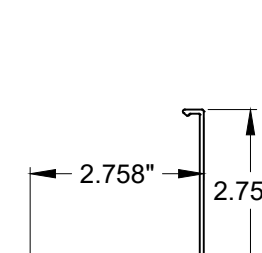
③② ASTRAGAL ADD-ON



③③ NS PANEL STILE



③① NS LOCK ADAPTER

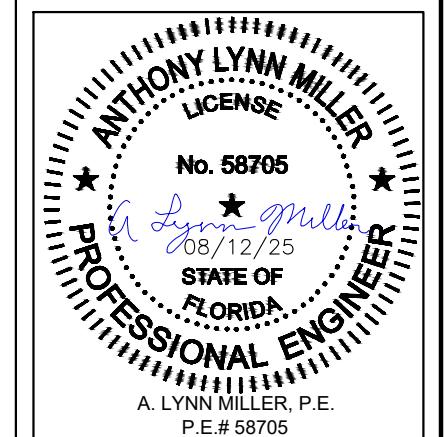


④① 90 DEGREE CORNER COVER

NOTES:

- 1) SEE SHEET 5 FOR SILL RISERS.
- 2) SEE SHEET 18 FOR SCREEN PARTS.

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	3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600	No. 19 OF 20 Sheet		



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

TABLE D1:

#	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	19162	2 Track Jamb Cover	Rigid PVC
10	19161	Jamb Filler	Rigid PVC
11	19154	NS Standard Interlock Cover	Rigid PVC
12	19092	Outer Sill Cover	6063-T6 Alum.
13	19011 / 19104	Mid Sill Cover	Rigid PVC / Alum.
14	19007A	Track Insert	6063-T6 Alum.
17	19012	Outer Screen Track Cover	6063-T6 Alum.
18	19163	3 Track Jamb Cover	Rigid PVC
19	19164	4 Track Jamb Cover	Rigid PVC
20	19029BA	Keeper	6063-T6 Alum.
21	19020	P-Hook	6063-T6 Alum.
22	19032	P-Hook Adapter	6063-T6 Alum.
25	19176	Top / Bottom Rail Reinforcement	6005-T5 Alum.
26	19151	Stile and Lockstile Reinforcement	6005-T5 Alum.
29	19156	Astragal Reinforcement	6005-T5 Alum.
30	19153	NS Strd Interlock	6063-T6 Alum.
31	19152	NS lock Adaptor	Rigid PVC
32	19155	Astragal Add-on	Rigid PVC
33	19150	NS Panel Stile	Rigid PVC
35	19157	NS HD Interlock	6063-T6 Alum.
36	19158	NS HD Interlock Cover	Rigid PVC
37	19166	NS HD P-hook Interlock	6063-T6 Alum.
39	19168	90° Corner Astragal	6063-T6 Alum.
40	19169	90° Corner Astragal Cap	6063-T6 Alum.
41	719048	Foam Block 5/8" x 1" x 3/4"	Foam
42	19085	Sill Riser - (2-1/2")	6063-T6 Alum.
43	19022A	Sill Riser - (3-1/2")	6063-T6 Alum.
48	19014	P-hook Cover	Rigid PVC

TABLE D2:

#	Part #	Description	Material
50	6TP247	T-Slot Bulb Weatherstrip	PVC
51	71984	1/4" x 3/4" x .8" Dust Plug	
52	71983	1-1/2" x 3/4" x 4" Dust Plug	
53	61644	Vertical Weatherstrip	
61	19177	Tandem Roller Assembly	SS
63	103212FP7FTFX	#10-24 x 1/2" FH Roller Ass.	SS
64	19165	Header Rail	Nylon
65	71966	Roller Hole Access 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	1032134FP7FTFX	10-32 x 1 3/4" Ph.FH MS @ Lock	SS
71	varies	Handle Kit	Cast Zinc
75		I.G. Spacer	Varies
79		Dow-791, 983, 995 or RGS-7700 Backbedding	Silicone
82	19159	1-1/16" IG 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
96	710X1.75PPX	#10 x 2-1/2" Ph. FH SDS @ Keeper	SS
98	61985	5/8 x 187 Back Finseal	
99	71695	1 x 1.5 x .75 Dust Plug with Fin	

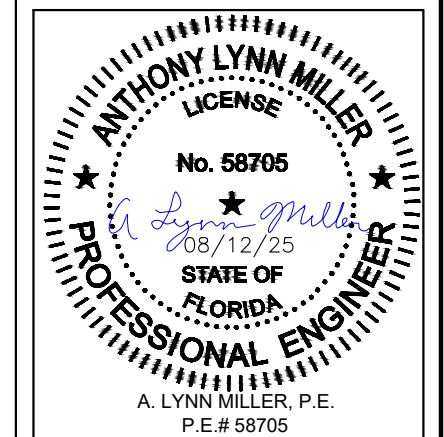
TABLE F: STANDARD SCREEN

#	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

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296 COPYRIGHT © 2025 PGT, LLC. LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	08/12/25 Date	COLTON KEMPFF SGD5570NS AAMA ANCHORAGE
	VINYL SLIDING GLASS DOOR (LM)	20 OF 20 No. DWG	
3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600	Custom Windows and Doors	20 OF 20 Sheet	SGD5570NS Series Desc. Title



Rev. #
Date