

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

GENERAL NOTES:

- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 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 FLORIDA BUILDING CODE 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 FLORIDA BUILDING CODE, AS APPLICABLE. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.

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. ADDITIONALLY, SEE THE EXAMPLE ON SHEET 11.

FLORIDA PRODUCT APPROVAL #33106

DESIGN PRESSURE RATING

SEE TABLES 1 & 2
ON SHEETS 7 & 8

IMPACT RATING

RATED FOR LARGE & SMALL
MISSILE IMPACT RESISTANCE
MISSILE LEVEL D

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)	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+	Southern Pine (SG=0.55)	Head/Sill/Jamb	1"	1-3/8"
			P-hook	1"	1-3/8"
B	1/4" Elco 410 S.S. CreteFlex	Southern Pine (SG=0.55)	Head/Sill/Jamb	1"	1-3/8"
			P-hook	1"	1-3/8"
C	1/4" DeWalt Ultracon+	Concrete (min. 3.00 ksi)	Head/Sill/Jamb	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"
		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"

- 1) WHERE SUBSTRATE CONDITIONS REQUIRE ANCHORAGE FROM MORE THAN ONE OF THE ANCHOR GROUPS ABOVE, CHOOSE THE ANCHOR GROUP OF THE LOWEST LETTER FOR ALL TABLES IN THIS APPROVAL.
- 2) ALL ANCHOR HEAD TYPES ARE APPLICABLE.
- 3) HOLLOW BLOCK VALUES MAY ALSO BE USED IN FILLED BLOCK APPLICATIONS.
- 4) ANCHORS MUST BE OF SUFFICIENT LENGTH SO THAT A MINIMUM OF 3 THREADS EXTEND BEYOND METAL SUBSTRATE.

GENERAL NOTES.....
GLASS INFO.....1
EXAMPLE CONFIGS.2
INSTALL DETAILS.....4-7
DP TABLES..... 8-10
EXAMPLE..... 11
ANCHOR LOC..... 12-16
PANEL TYPES.....17
SCREEN DETAILS.... 18
EXTRUSIONS.....19
PARTS LIST.....20

PREPARED BY A. LYNN MILLER
3400 PRECISION DRIVE
N. VENICE, FL 34275
(941) 480-1600

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Custom Windows and Doors

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

VINYL SLIDING GLASS DOOR (LM)

02/28/24

GENERAL NOTES

A MORLESIN

1 OF 20

SGD5570NS

SGD5570NSFPA-LM

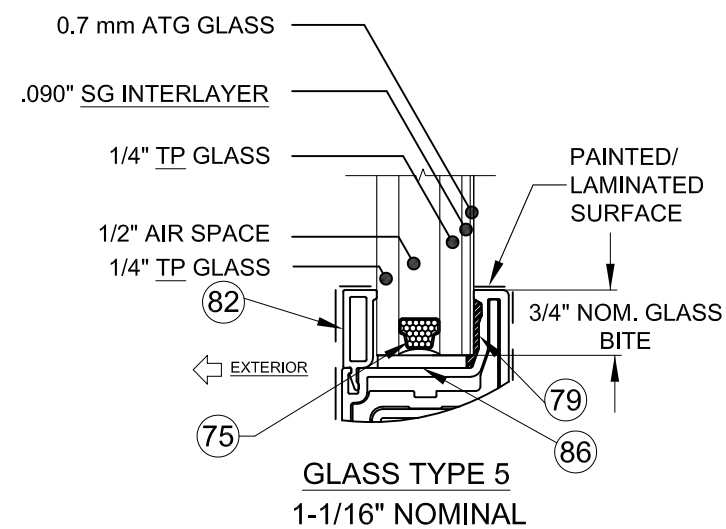
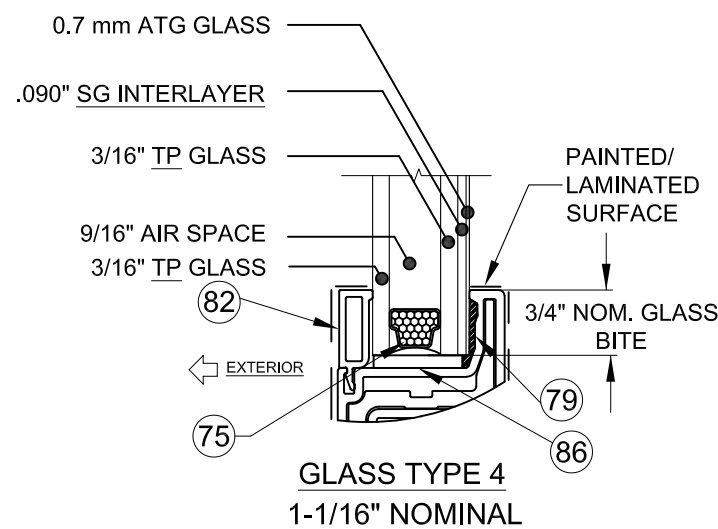
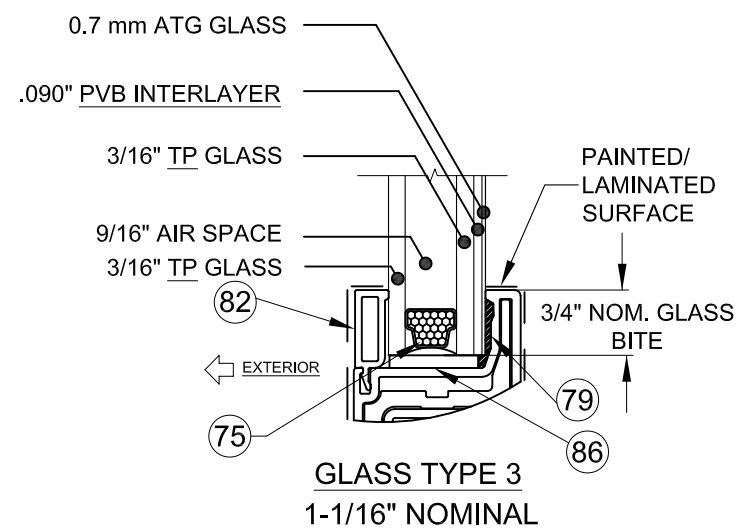
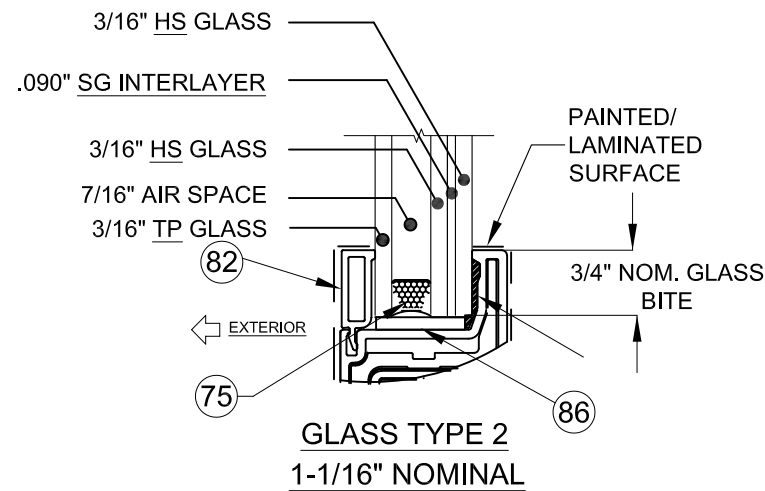
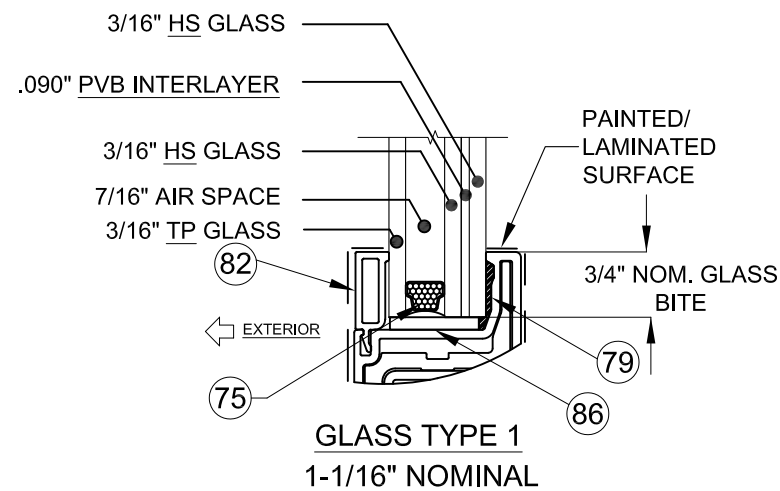


TABLE B:

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
3	1-1/16" Lami. I.G.: 3/16" TP - 9/16" AIR - 3/16" TP - .090" PVB - 0.7 mm ATG
4	1-1/16" Lami. I.G.: 3/16" TP - 9/16" AIR - 3/16" TP - .090" SG - 0.7 mm ATG
5	1-1/16" Lami. I.G.: 1/4" TP - 1/2" AIR - 1/4" TP - .090" SG - 0.7 mm ATG

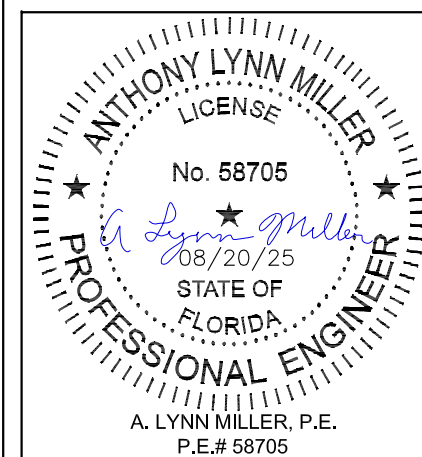
"HS" = HEAT STRENGTHENED

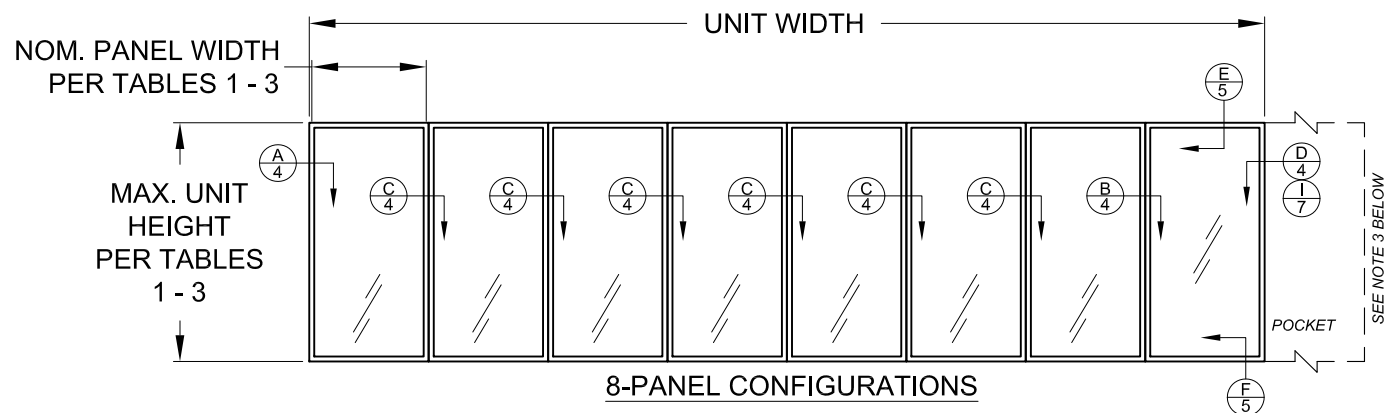
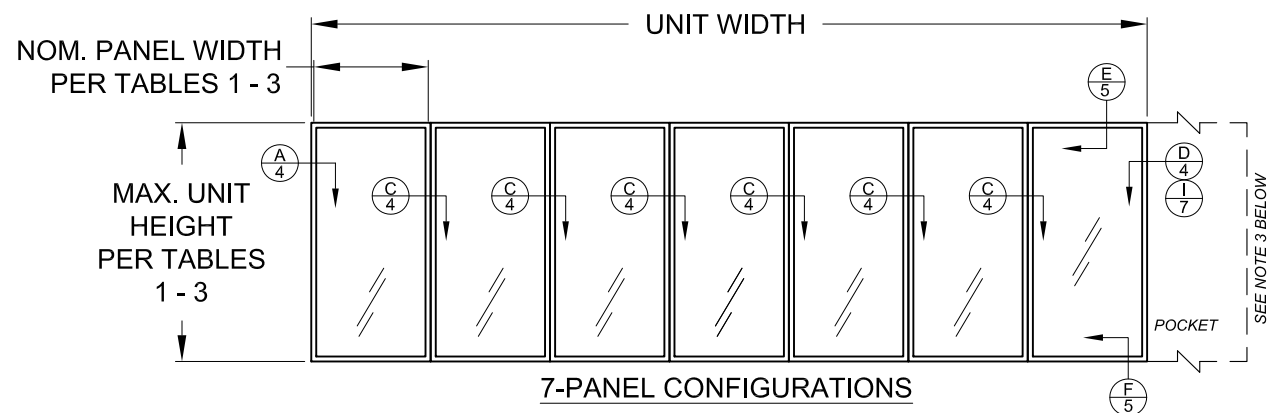
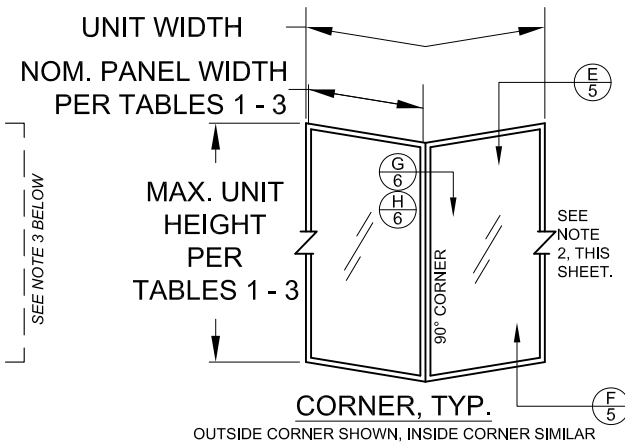
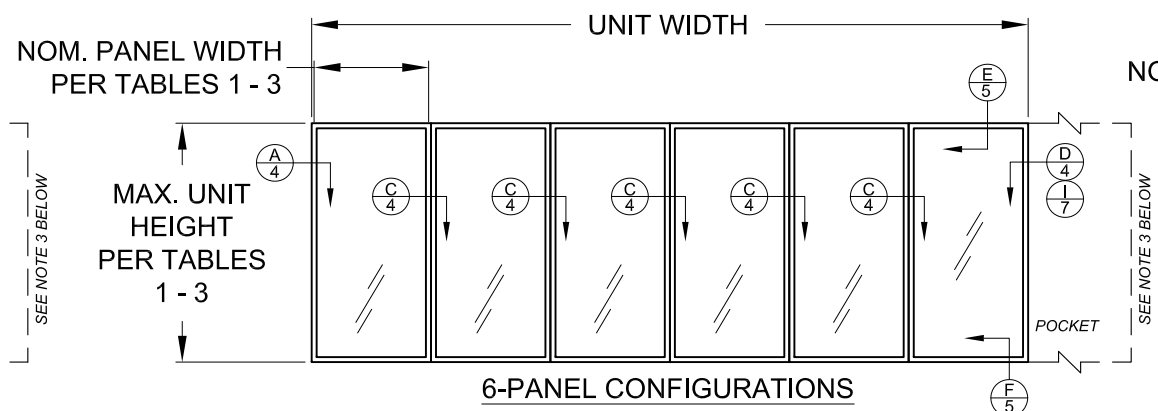
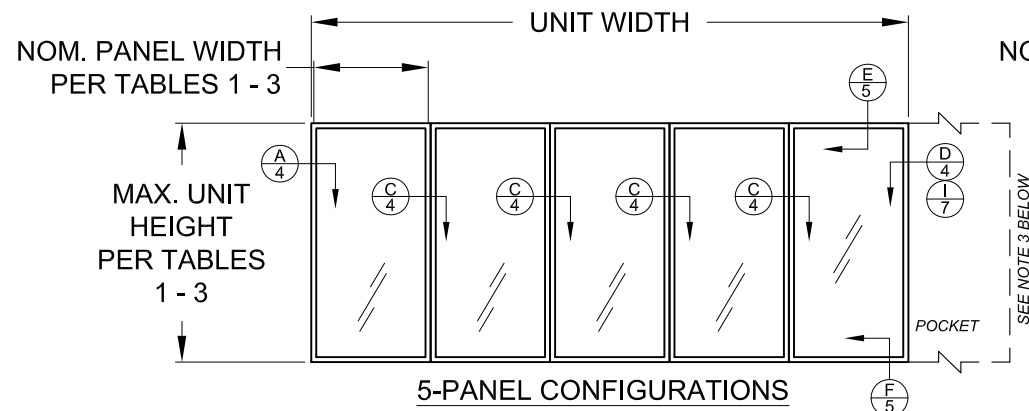
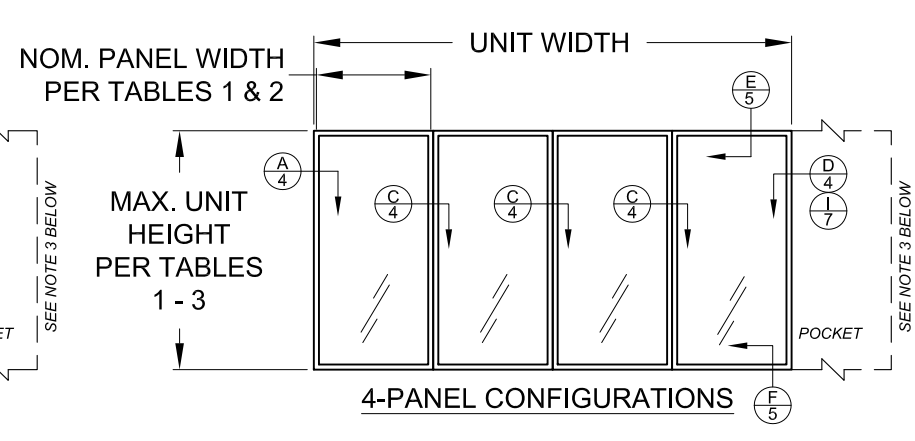
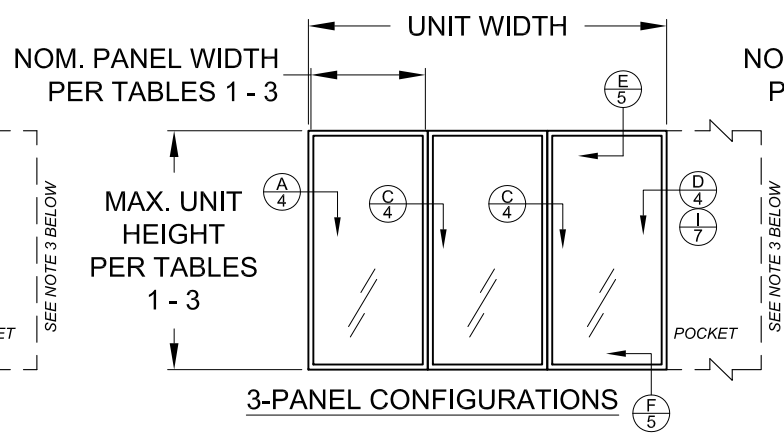
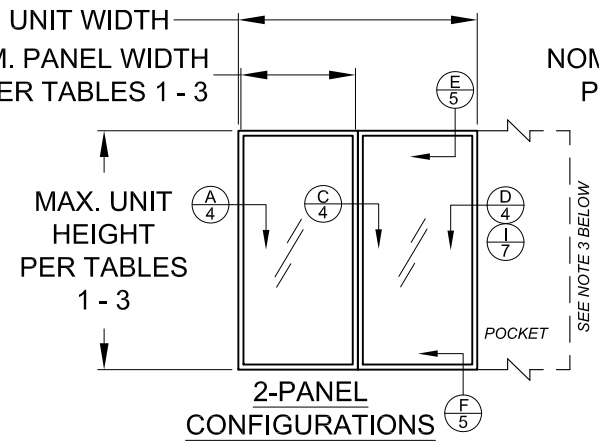
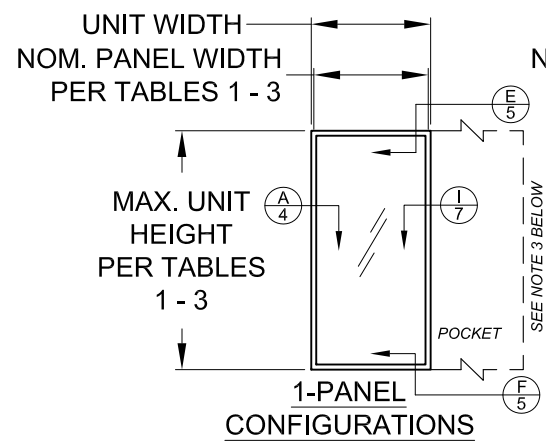
"TP" = TEMPERED

"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 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		COPYRIGHT © 2025 PGT, LLC. LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.		02/28/24	
VINYL SLIDING GLASS DOOR (LM)		Date		A MORLESIN		By		Drawn		DWG No.	
GLAZING INFO		Sheet		2 OF 20		SGD5570NS		SGD5570NSFPA-LM			
Title		Desc.									





CONFIGURATIONS NOTES:

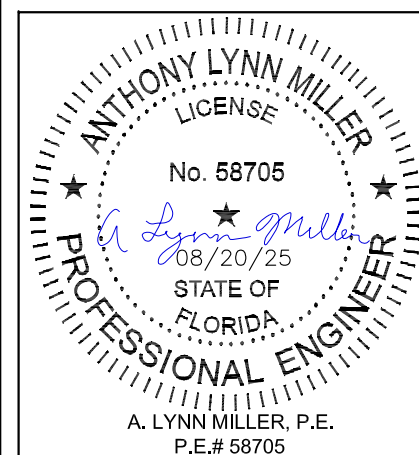
- ALL CONFIGURATIONS SHOWN ARE ALSO AVAILABLE AS POCKET CONFIGURATIONS AT EITHER OR BOTH JAMB LOCATIONS.
EXAMPLE: 4-PANEL XXXX IN POCKET (p) CONFIGURATION CAN BE pXXXXp, pXXXX OR XXXXp. OXXX IN POCKET CONFIGURATION CAN BE OXXXp.
- POCKET WALL OR CAVITY IS NOT PART OF THIS APPROVAL AND IS TO BE DESIGNED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

DETAIL LETTER
X
SHEET NUMBER

"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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PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		VINYL SLIDING GLASS DOOR (LM)		EXAMPLE CONFIGURATIONS		3 OF 20		SGD5570NS	
Series		Desc.		Title		Sheet		DWG	



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

2X WOOD BUCKSTRIP OR
FRAMING, SEE ANCHOR
NOTE 3, SHEET 1

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

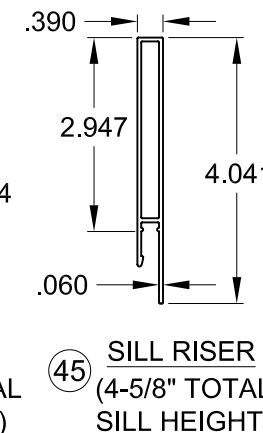
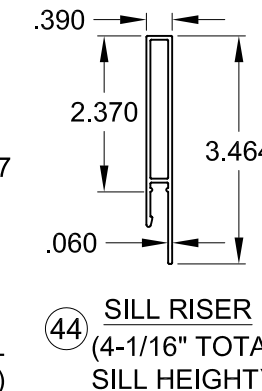
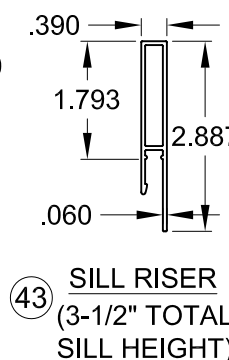
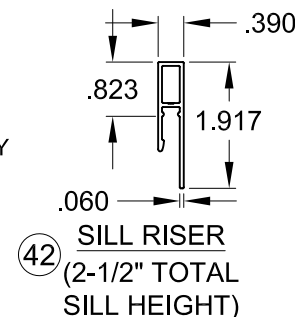
1/4" MAX.

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

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

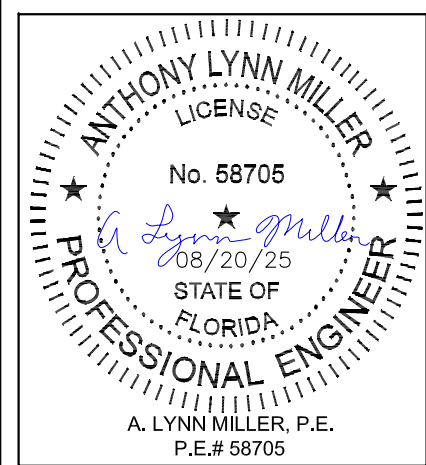
SILL RISER VARIES WITH REQUIRED
POSITIVE DESIGN PRESSURE, SEE
SHEET 8.

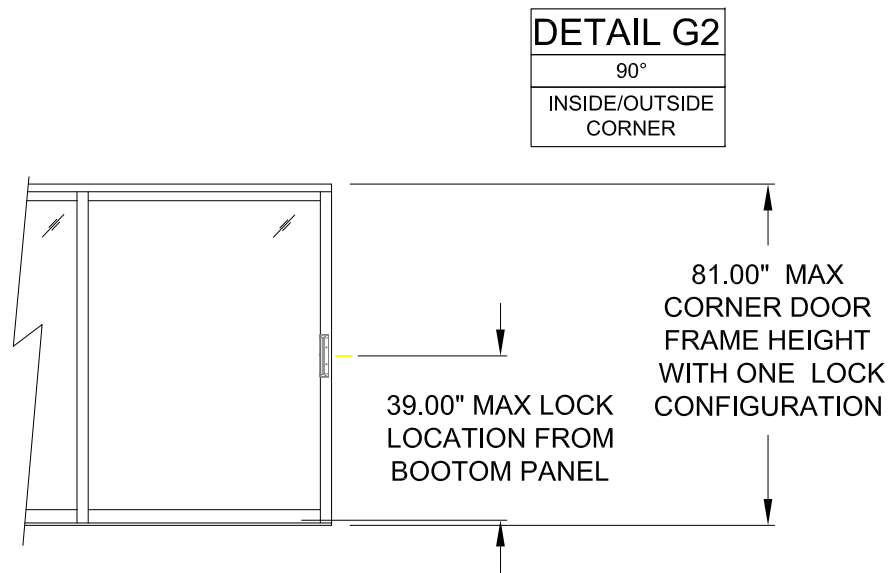
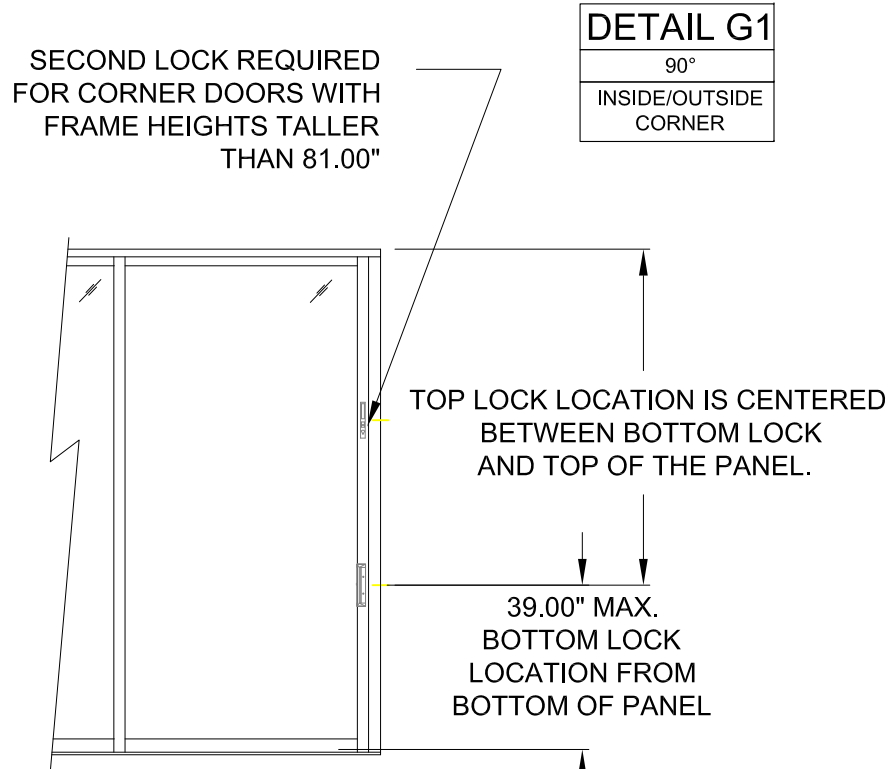


NOTES

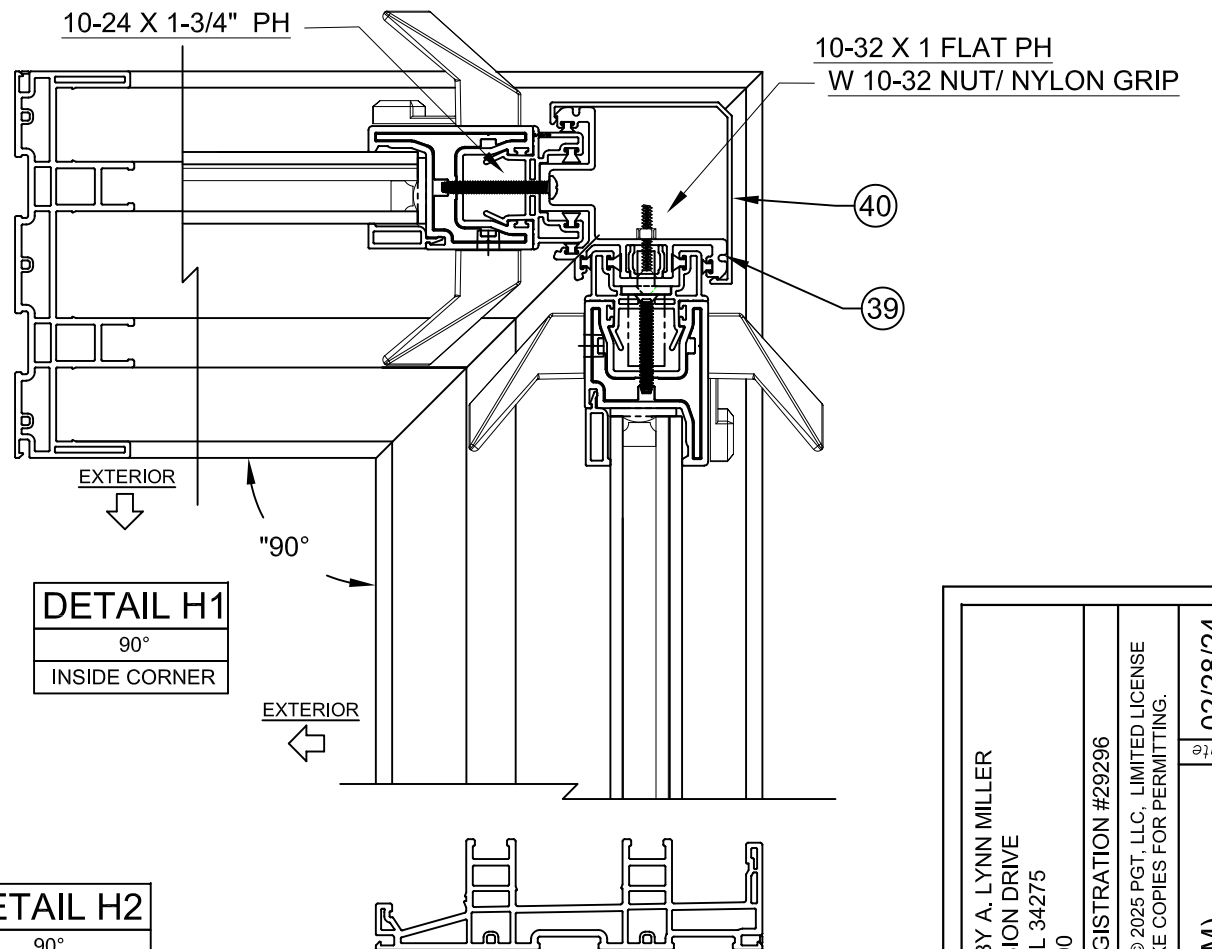
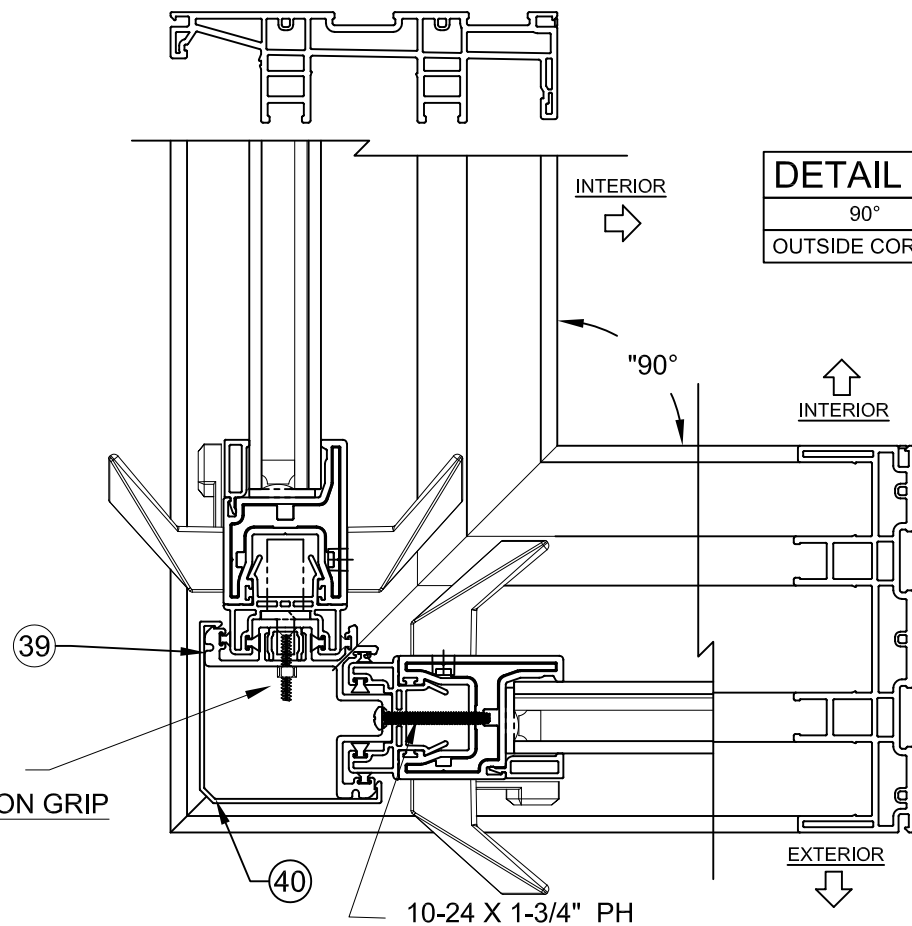
- 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
- 2) REFER TO ANCHOR NOTES, SHEET 1.
- 3) SEE SHEETS 12, 13, 14, 15 AND 16 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 1 - 3.
- 4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
- 5) SEE SHEET 18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

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VINYL SLIDING GLASS DOOR (LM)		A MORLESIN		By	
INSTALLATION, VERT. SECTIONS		5 OF 20		Sheet	
SGD5570NS		SGD5570NSFPA-LM		Series Desc.	





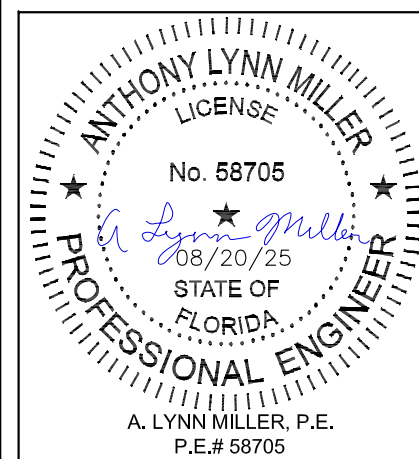
10-32 X 1 FLAT PH
W 10-32 NUT/ NYLON GRIP



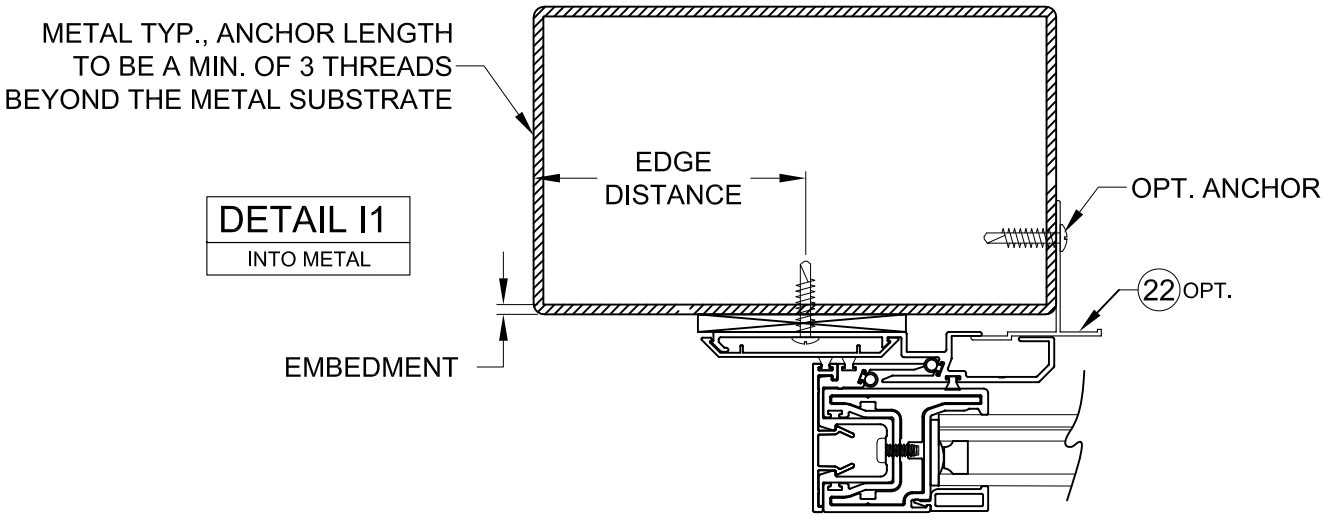
NOTES

- 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.

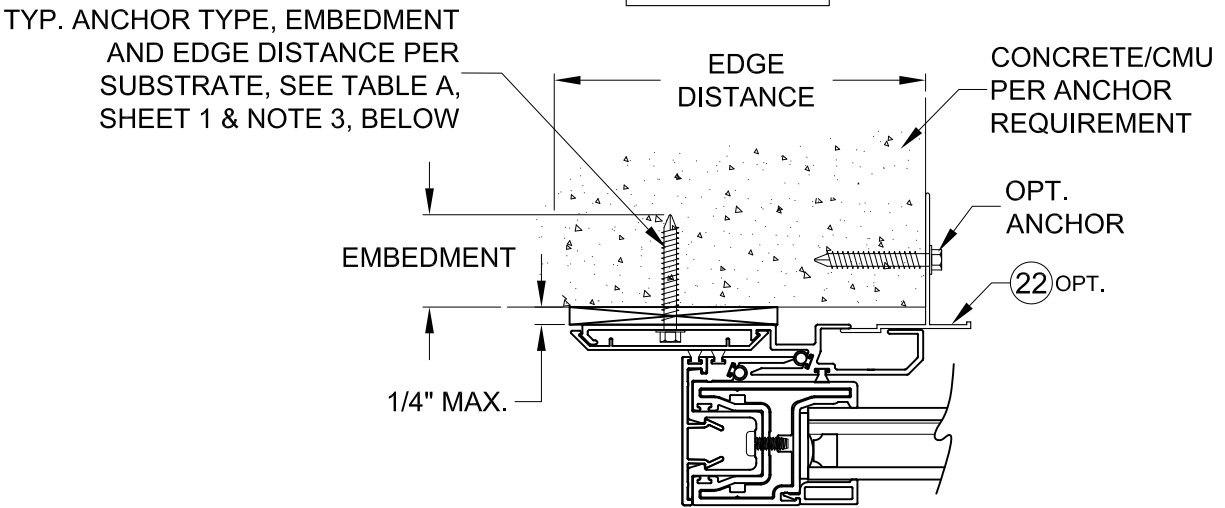
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VINYL SLIDING GLASS DOOR (LM)		A MORLESIN		SGD5570NSFPA-LM	
CORNER ASTRAGAL		6 OF 20		SGD5570NS	
PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		VINYL SLIDING GLASS DOOR (LM)		CORNER ASTRAGAL	
SGD5570NS		6 OF 20		SGD5570NSFPA-LM	



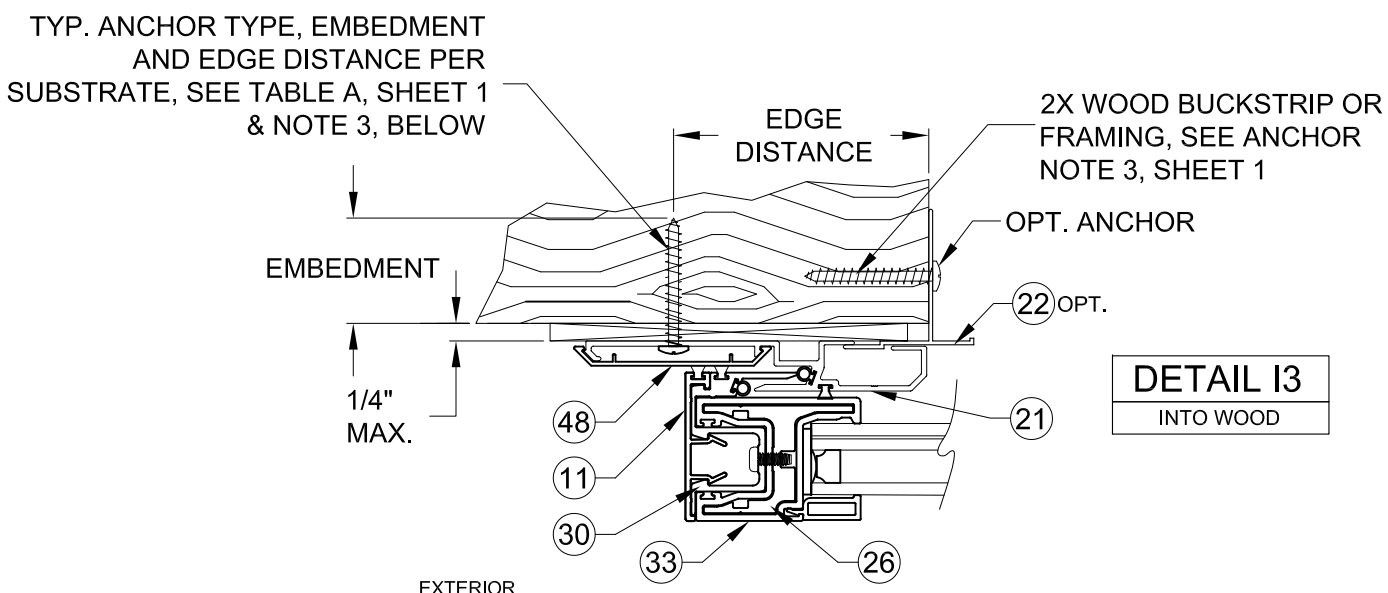
Rev.	08/20/25	E
Date	08/20/25	
Rev.	NO CHANGES, THIS SHEET.	



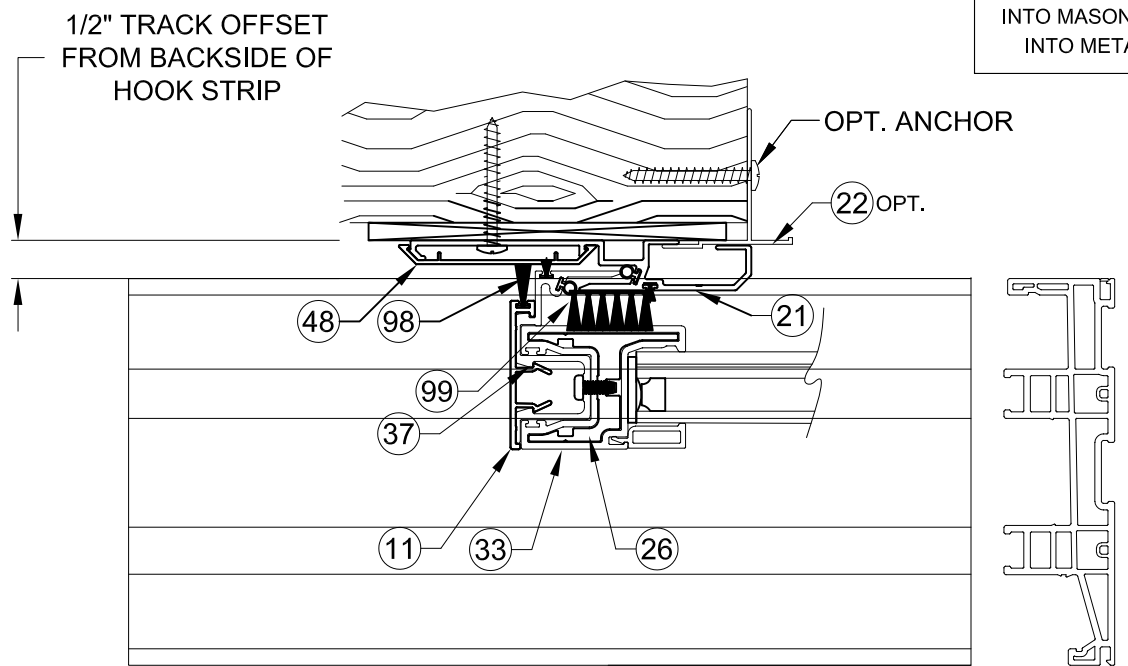
EXTERIOR POCKET



EXTERIOR POCKET



EXTERIOR POCKET



EXTERIOR POCKET

- 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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	INSTALLATION, P-HOOK		By		
SGD5570NS	7 OF 20	Sheet			

ANTHONY LYNN MILLER
LICENSE
No. 58705
08/20/25
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 1:

Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheet 3)															
Use this table for: Glass Types 1 AND 3 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	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
			Jamb	5	5	5	5	5	5	5	5	5	5	5	5
			P-hook	7	7	7	7	7	7	7	7	9	9	9	9
	30"	25-1/8" DLO	Design Pressure	+60 / -60 psf				+60 / -60 psf				+60 / -60 psf			
			Head/Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
			Jamb	5	5	5	5	5	5	5	5	5	5	5	5
			P-hook	7	7	7	7	7	7	7	7	9	9	9	9
	36"	31-1/8" DLO Width	Design Pressure	+60 / -60 psf				+60 / -60 psf				+60 / -60 psf			
			Head/Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
			Jamb	5	5	5	5	5	5	5	5	5	5	5	5
			P-hook	7	7	7	7	7	7	7	7	9	9	9	9
	42"	37-1/8" DLO Width	Design Pressure	+60 / -60 psf				+60 / -60 psf				+60 / -60 psf			
			Head/Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1
			Jamb	5	5	5	5	5	5	5	5	5	5	5	5
			P-hook	7	7	7	7	7	7	7	7	9	9	9	9
	48"	43-1/8" 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	C5+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	9	9	9	9

USED IN EXAMPLE ON SHEET 9

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

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

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

TOTAL # OF ANCHORS THROUGH THE JAMB.

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

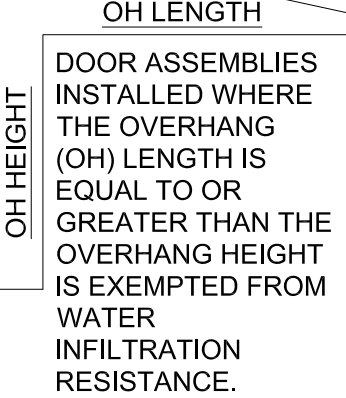
TABLE NOTES:

- 1) IF WATER INFILTRATION RESISTANCE IS REQUIRED,THE LESSER VALUES OF EITHER TABLE 1 AND TABLE B1 DETERMINES THE WATER LIMITED (+) DP. WATER TEST PRESSURE IS 15% OF THAT VALUE.
- 2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED; IN THAT CASE, +DP'S SHOWN IN TABLE 1 MAY BE USED.
- 3) SEE SILL RISER TYPES ON SHEET 4. SEE SHEETS 12-16 FOR ANCHOR LOCATION & SPACING.
- 4) SHEET APPLIES TO 2, 3 AND 4 TRACK CONFIGURATIONS.
- 5) REFER TO ANCHOR NOTES, SHEET 1.
- 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 B1:

Water-Limited (+) Design Pressure		
Sill Riser	Nom. Sill Height	Max. (+) DP Allowed
None	1-11/16"	See Note 2
42	2-1/2"	+38.7 psf
43	3-1/2"	+60.0 psf
44	4-1/16"	+60.0 psf
45	4-5/8"	+60.0 psf

FIG 1:



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VINYL SLIDING GLASS DOOR (LM)

DP AND ANCHORAGE

SGD5570NS

By
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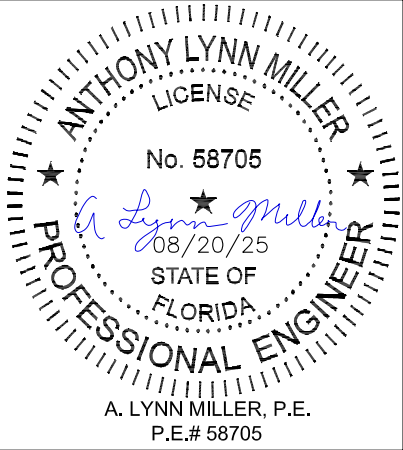


TABLE 2:

Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheet 3)																											
Use this table for: Glass Type 2 and 4 Standard 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	+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+80 / -80 psf			
			Head/Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1
			Jamb	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6
			P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	9	9	9	9	10	10	10	10
	30	25-1/8" DLO	Design Pressure	+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+76.5 / -76.5 psf			
			Head/Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C5+1	C3+1	C5+1	C3+1	C5+1	C3+1
			Jamb	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6
			P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	9	9	9	9	10	10	10	10
	36	31-1/8" DLO Width	Design Pressure	+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+64.4 / -70 psf			
			Head/Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C5+1	C3+1	C5+1	C3+1	C5+1	C3+1	C5+1	C3+1	C5+1	C3+1	C5+1	C3+1	C5+1	C3+1
			Jamb	5	5	5	5	5	5	5	5	5	5	6	5	5	5	6	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	9	9	9	9	10	10	10	10
	42	37-1/8" DLO Width	Design Pressure	+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+77.7 / -77.7 psf				+60 / -66.5 psf			
			Head/Sill	C5+2	C3+1	C3+1	C3+1	C5+2	C3+1	C3+1	C3+1	C5+2	C3+1	C5+1	C3+1	C5+2	C3+1	C5+1	C3+1	C5+2	C5+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1
			Jamb	5	5	5	5	5	5	6	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	9	9	9	9	10	10	10	10
	48	43-1/8" DLO Width	Design Pressure	+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+69.3 / -69.3 psf				+60 / -60 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	C5+2	C5+2	C3+1	C5+2	C5+1	C5+2	C3+1	C5+2	C5+1	C5+1	C3+1
			Jamb	5	5	6	5	5	5	6	5	5	5	7	5	5	5	8	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	9	9	9	9	10	10	10	10
	54	49-1/8" DLO Width	Design Pressure	+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+63 / -63 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	C5+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+2				
			Jamb	5	5	6	5	5	5	6	5	5	5	7	5	5	5	8	5	6	6	8	6				
			P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	9	9	9	9				
	60	55-1/8" DLO Width	Design Pressure	+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+80 / -80 psf											
			Head/Sill	C5+3	C3+2	C5+3	C3+2	C5+3	C3+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2								
			Jamb	5	5	6	5	5	5	7	5	5	5	8	5	6	5	9	5								
			P-hook	7	7	7	7	7	7	7	7	8	8	8	8	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 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 NOTES:

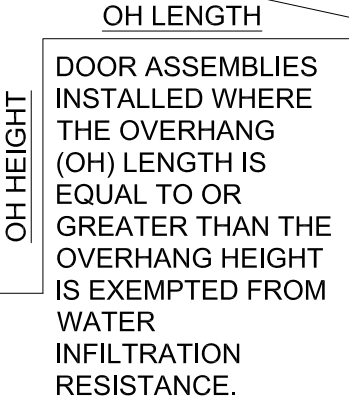
- 1) IF WATER INFILTRATION RESISTANCE IS REQUIRED,THE LESSER VALUES OF EITHER TABLE 2 AND TABLE B2 DETERMINES THE WATER LIMITED (+) DP. WATER TEST PRESSURE IS 15% OF THAT VALUE.
- 2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED; IN THAT CASE, +DP'S SHOWN IN TABLE 2 MAY BE USED.
- 3) SEE SILL RISER TYPES ON SHEET 4. SEE SHEETS 12-16 FOR ANCHOR LOCATION & SPACING.
- 4) SHEET APPLIES TO 2, 3 AND 4 TRACK CONFIGURATIONS.
- 5) REFER TO ANCHOR NOTES, SHEET 1.

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 B2:

Water-Limited (+) Design Pressure		
Sill Riser	Nom. Sill Height	Max. (+) DP Allowed
None	1-11/16"	See Note 2
42	2-1/2"	+38.7 psf
43	3-1/2"	+60.0 psf
44	4-1/16"	+80.0 psf
45	4-5/8"	+80.0 psf

FIG 1:



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DP AND ANCHORAGE

02/28/24

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SGD5570NS

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SGD5570NSFPA-LM

Rev. #

08/20/25

Date

MINOR NOTE REVISION - JR

Rev.

TABLE 3:

Design Pressure (DP) and Anchor Quantities Required.																											
Use this table for: Glass Type 2, 4 and 5 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																								
			Head/Sill																								
			Jamb																								
			P-hook																								
	60	55-1/8" DLO Width	Design Pressure																								
			Head/Sill																								
			Jamb																								
			P-hook																								

+60 / -65.6 psf			
C5+2	C5+1	C5+2	C3+1
6	6	8	6
10	10	10	10

+60 / -70 psf				* +60 / -61 psf			
C5+2	C5+2	C5+2	C3+2	C5+2	C5+2	C5+2	C3+1
6	6	9	6	6	6	10	6
9	9	9	9	10	10	10	10

* GLASS 2 & 5 ONLY

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

THE MAXIMUM DP AT THESE ANCHOR QUANTITIES. ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE B3, 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) IF WATER INFILTRATION RESISTANCE IS REQUIRED,THE LESSER VALUES OF EITHER TABLE 3 AND TABLE B3 DETERMINES THE WATER LIMITED (+) DP. WATER TEST PRESSURE IS 15% OF THAT VALUE.
- 2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED; IN THAT CASE, +DP'S SHOWN IN TABLE 3 MAY BE USED.
- 3) SEE SILL RISER TYPES ON SHEET 4. SEE SHEETS 12-16 FOR ANCHOR LOCATION & SPACING.
- 4) SHEET APPLIES TO 2, 3 AND 4 TRACK CONFIGURATIONS.
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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 B3:

Water-Limited (+) Design Pressure		
Sill Riser	Nom. Sill Height	Max. (+) DP Allowed
None	1-11/16"	See Note 2
42	2-1/2"	+38.7 psf
43	3-1/2"	+60.0 psf
44	4-1/16"	+60.0 psf
45	4-5/8"	+60.0 psf

FIG 1:

OH LENGTH

OH HEIGHT

DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT IS EXEMPTED FROM WATER INFILTRATION RESISTANCE.

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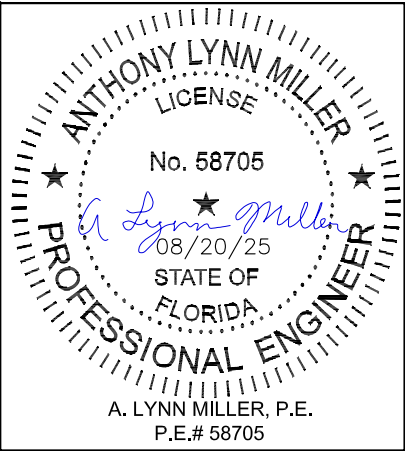
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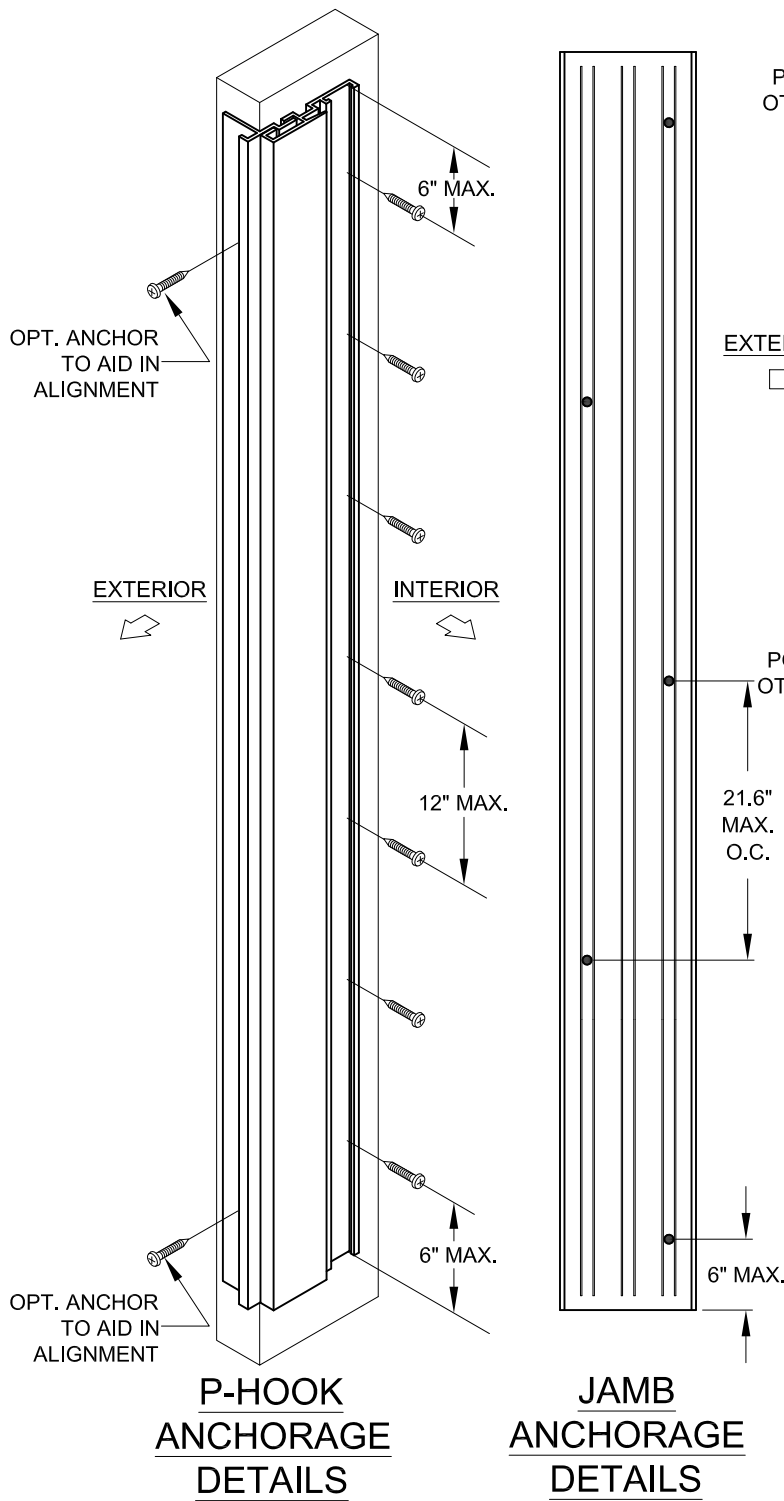
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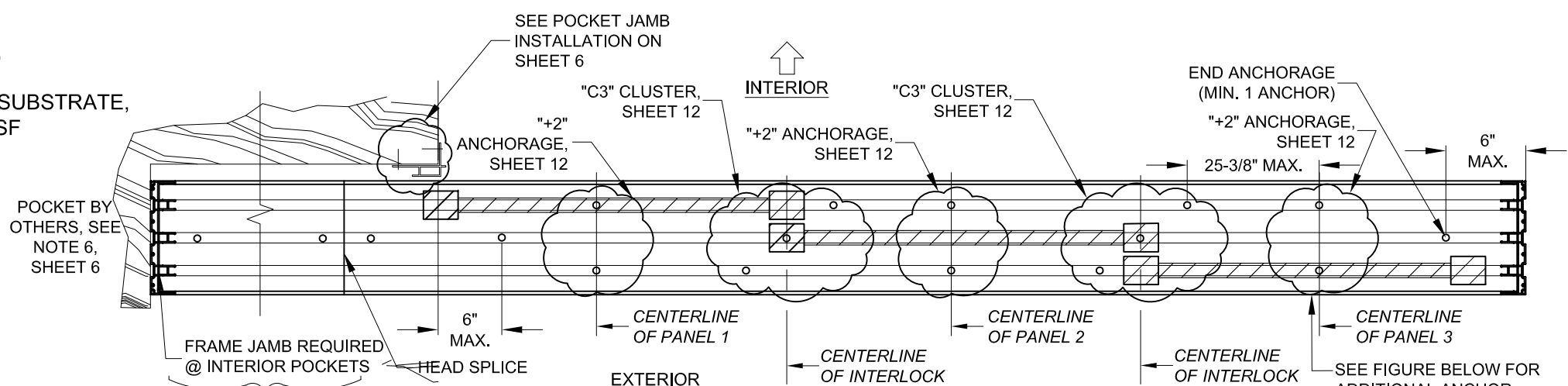
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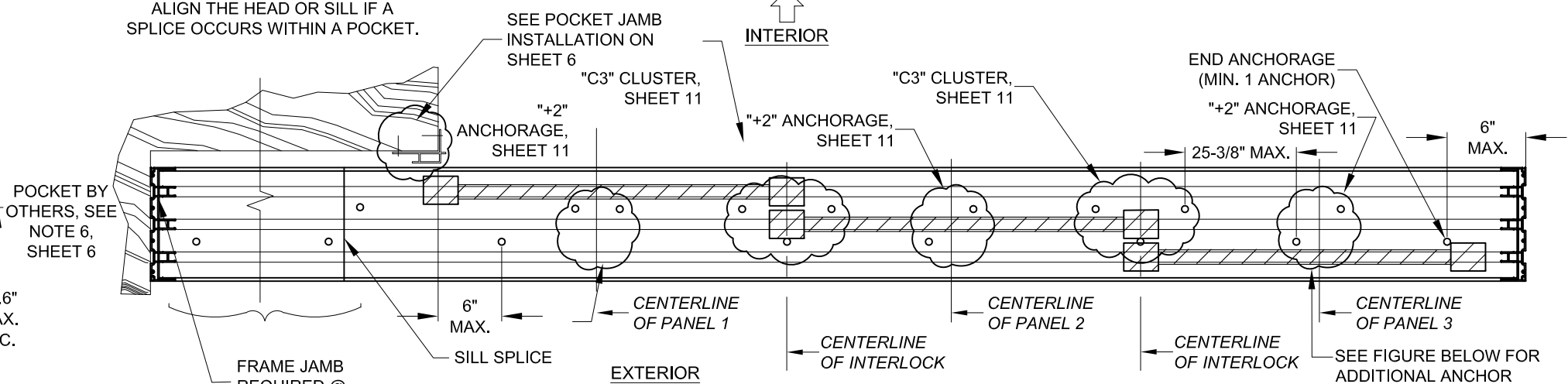
EXAMPLE:
3-PANEL, 3 TRACK, STRAIGHT CONFIGURATION - PXXX,
INTERIOR MOUNT POCKET, 48" X 84" NOM. PANELS,
LAMINATED, IG GLAZING, ANCHOR GROUP A IN WOOD SUBSTRATE,
PROJECT DESIGN PRESSURE REQUIRED: +48.2/-58.6 PSF



FOR PRODUCT REFERENCES, ALSO SEE:
A) SHEET 3 FOR ALLOWABLE CONFIGURATIONS AND EXACT LOCATIONS OF CROSS-SECTION DRAWINGS.
B) SHEET 1 FOR SPECIFIC GLAZING TYPES.
C) SHEET 17 FOR ALLOWABLE PANEL TYPES AND CALL NAMES.
D) SHEETS 19 FOR EXTRUSION DRAWINGS.
E) SHEET 20 FOR A BILL OF MATERIALS.



**HEAD ANCHORAGE DETAILS
PXXX (3-TRACK)**



**SILL ANCHORAGE DETAILS
PXXX (3-TRACK)**

1) KNOWING THE PRODUCT'S REQUIREMENTS, SCAN THROUGH TABLES 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.

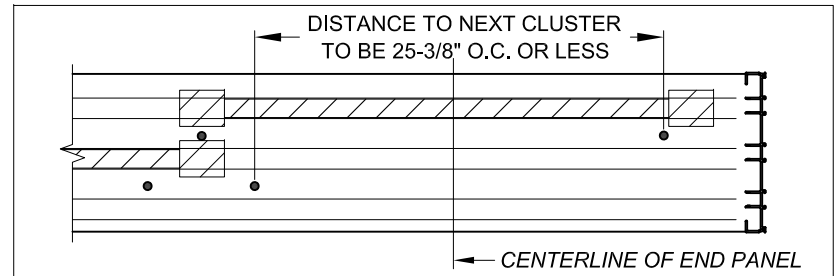
FOR WOOD INSTALLATION USING ANY ANCHOR IN GROUP A (SEE TABLE A), TABLE 1 SHOWS ANCHOR REQUIREMENTS OF

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

2) ANCHOR LOCATION DETAILS, CAN BE FOUND ON:
HEAD (CLUSTER ANCHORS): SHEET 13 FOR THE "C3" CLUSTER ANCHORS AT THE INTERLOCK.
HEAD (INTERMEDIATE ANCHORS): SHEET 12 FOR THE "+2 ANCHORS AT THE MIDSPAN OF EACH PANEL.
SILL (CLUSTER ANCHORS): SHEET 12 FOR THE "C3" 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: 7 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:

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VINYL SLIDING GLASS DOOR (LM)

ANCHOR SPACING & EXAMPLE

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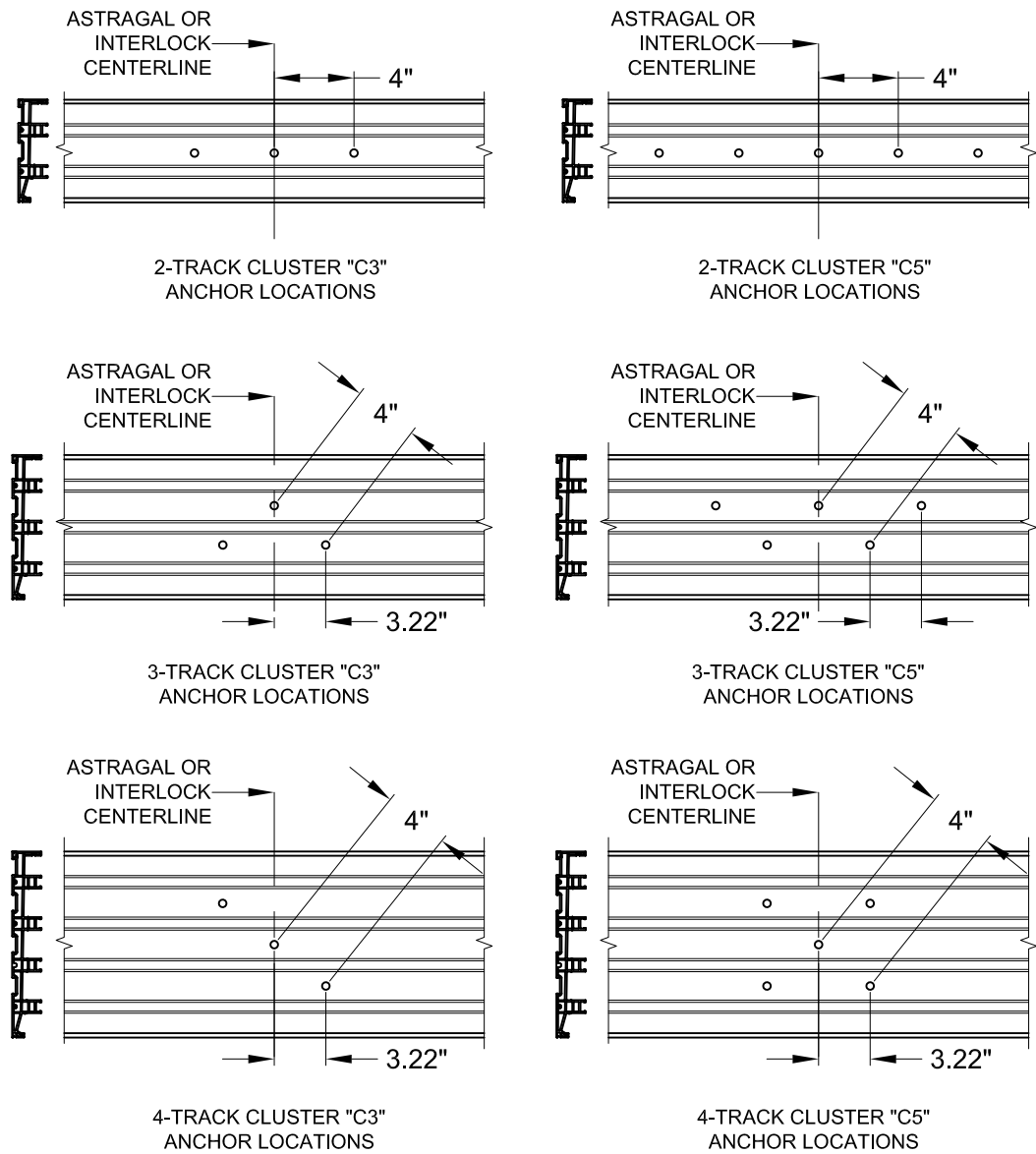
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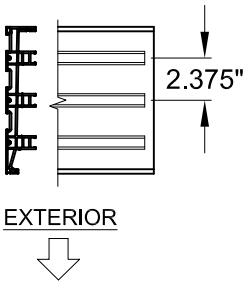
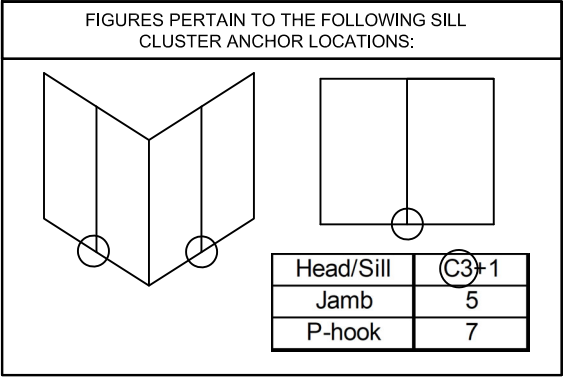
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P.E.# 58705

SILL CLUSTER ANCHORS LAYOUT:

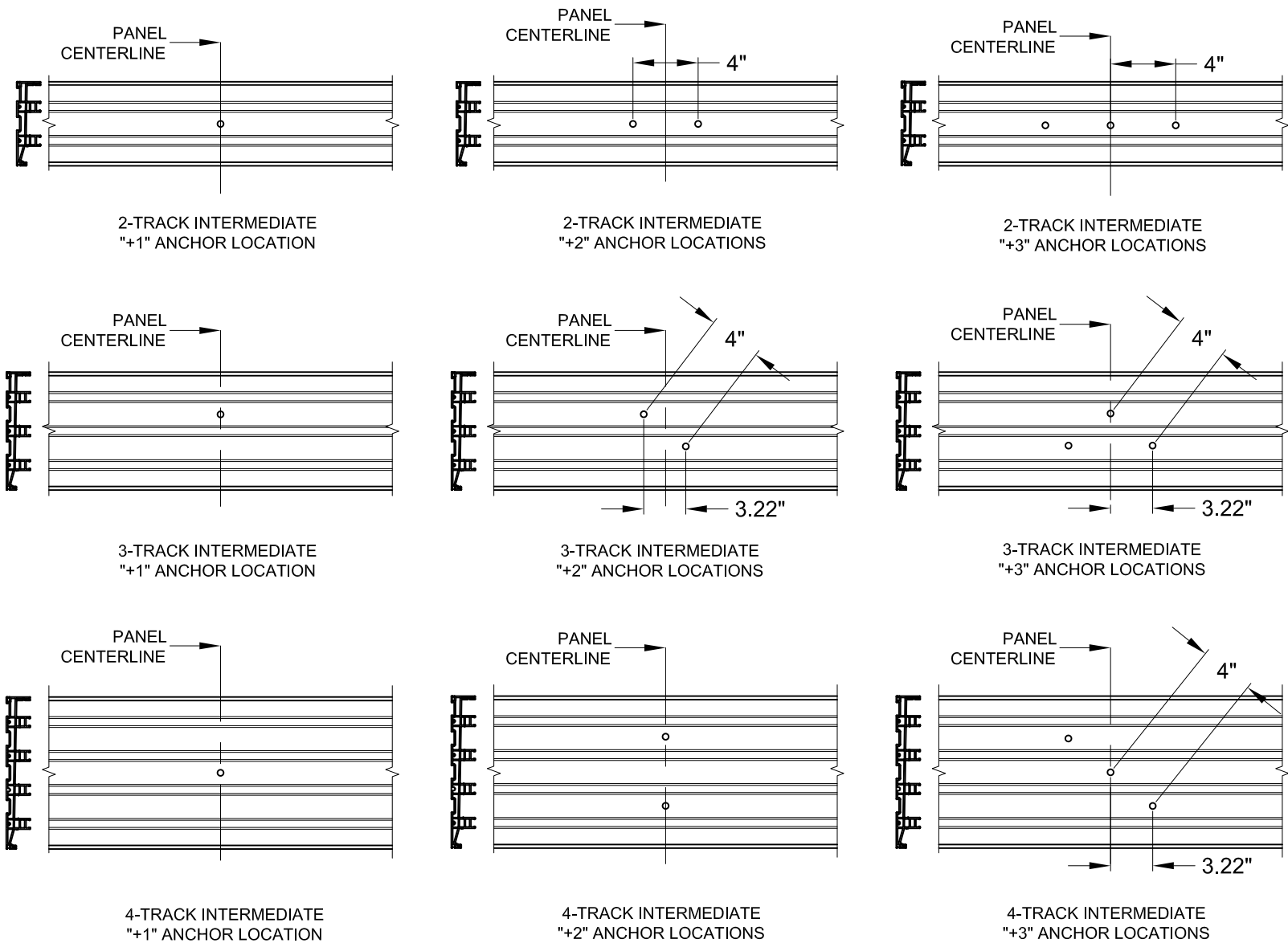


NOTES:

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

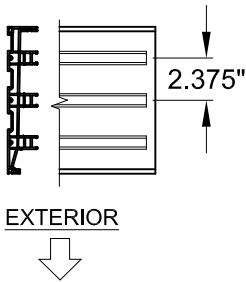
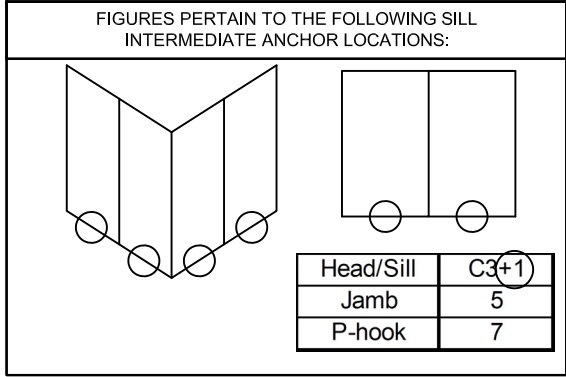


SILL "+" INTERMEDIATE ANCHORS LAYOUT:



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 (LM)

ANCHOR LOCATIONS A

SGD5570NS

12 OF 20

SGD5570NSFPA-LM

02/28/24

A MORLESIN

NO CHANGES, THIS SHEET.

08/20/25

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Date

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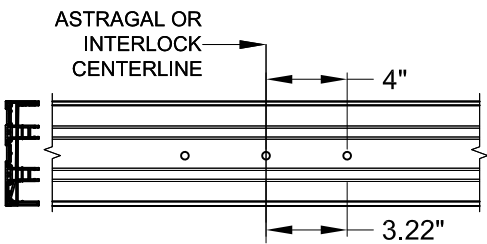
08/20/25

STATE OF FLORIDA

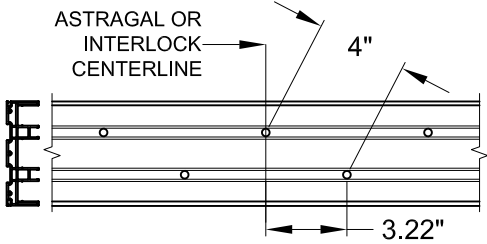
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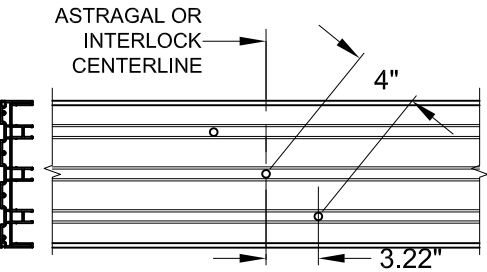
HEAD CLUSTER ANCHORS LAYOUT:



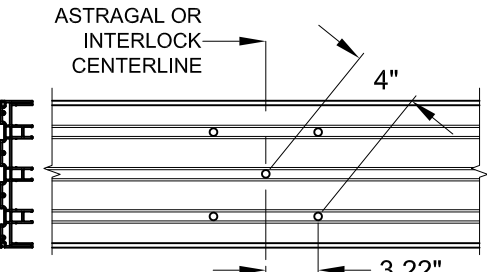
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ANCHOR LOCATIONS



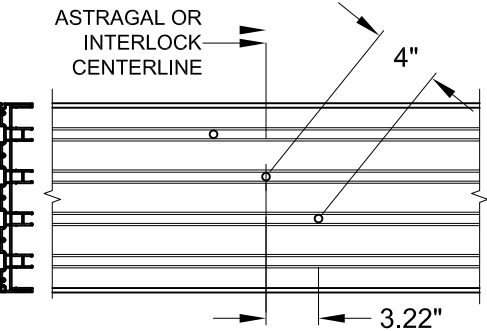
2-TRACK CLUSTER "C5"
ANCHOR LOCATIONS



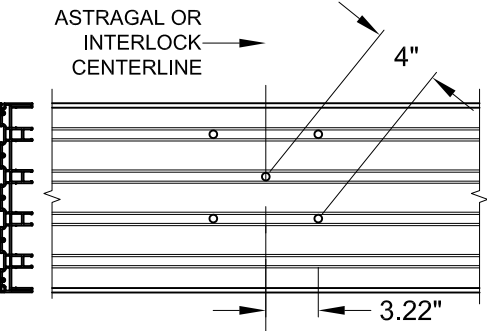
3-TRACK CLUSTER "C3"
ANCHOR LOCATIONS



3-TRACK CLUSTER "C5"
ANCHOR LOCATIONS



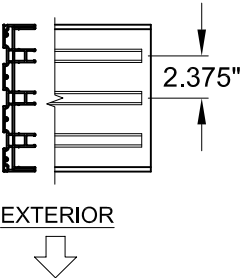
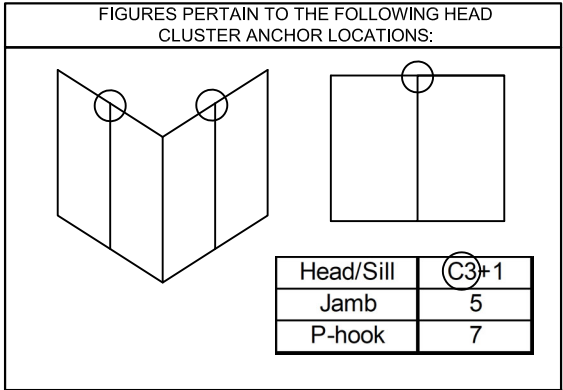
4-TRACK CLUSTER "C3"
ANCHOR LOCATIONS



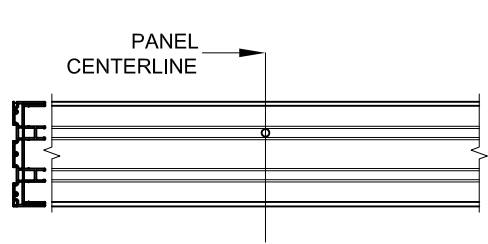
4-TRACK CLUSTER "C5"
ANCHOR LOCATIONS

NOTES:

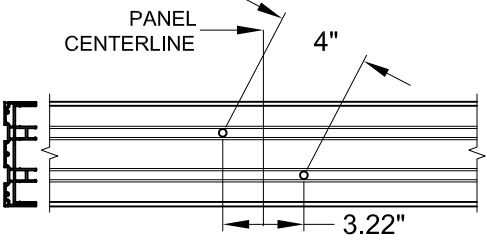
- 1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
- 2) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL HEADS:



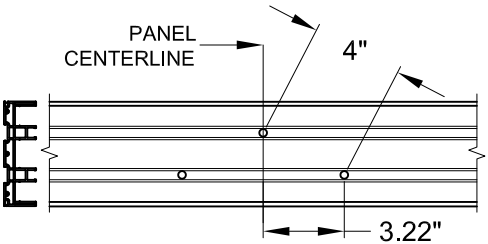
HEAD "+" INTERMEDIATE ANCHORS LAYOUT:



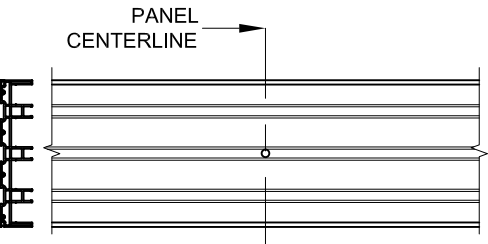
2-TRACK INTERMEDIATE
"+1" ANCHOR LOCATION



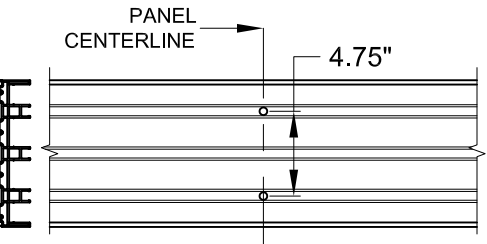
2-TRACK INTERMEDIATE
"+2" ANCHOR LOCATIONS



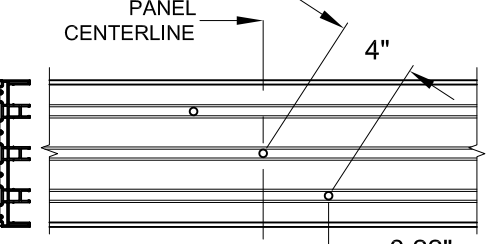
2-TRACK INTERMEDIATE
"+3" ANCHOR LOCATIONS



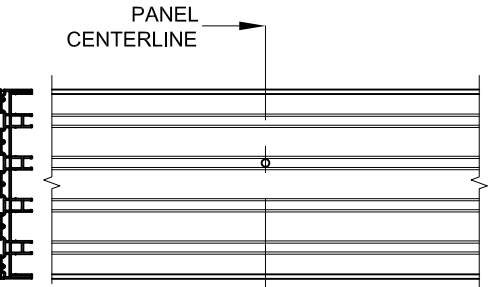
3-TRACK INTERMEDIATE
"+1" ANCHOR LOCATION



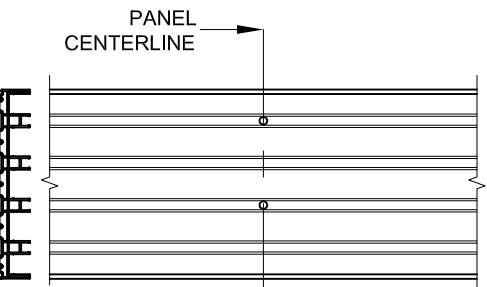
3-TRACK INTERMEDIATE
"+2" ANCHOR LOCATIONS



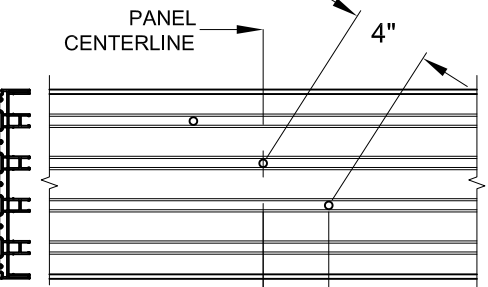
3-TRACK INTERMEDIATE
"+3" ANCHOR LOCATIONS



4-TRACK INTERMEDIATE
"+1" ANCHOR LOCATION



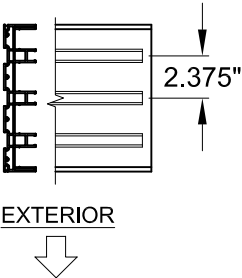
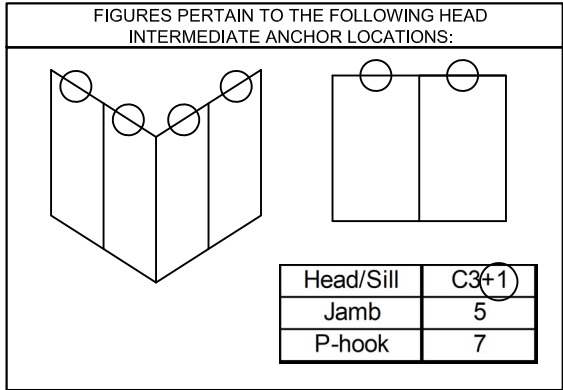
4-TRACK INTERMEDIATE
"+2" ANCHOR LOCATIONS



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 HEADS:



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VINYL SLIDING GLASS DOOR (LM)

ANCHOR LOCATIONS B

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13 OF 20

SGD5570NSFPALM

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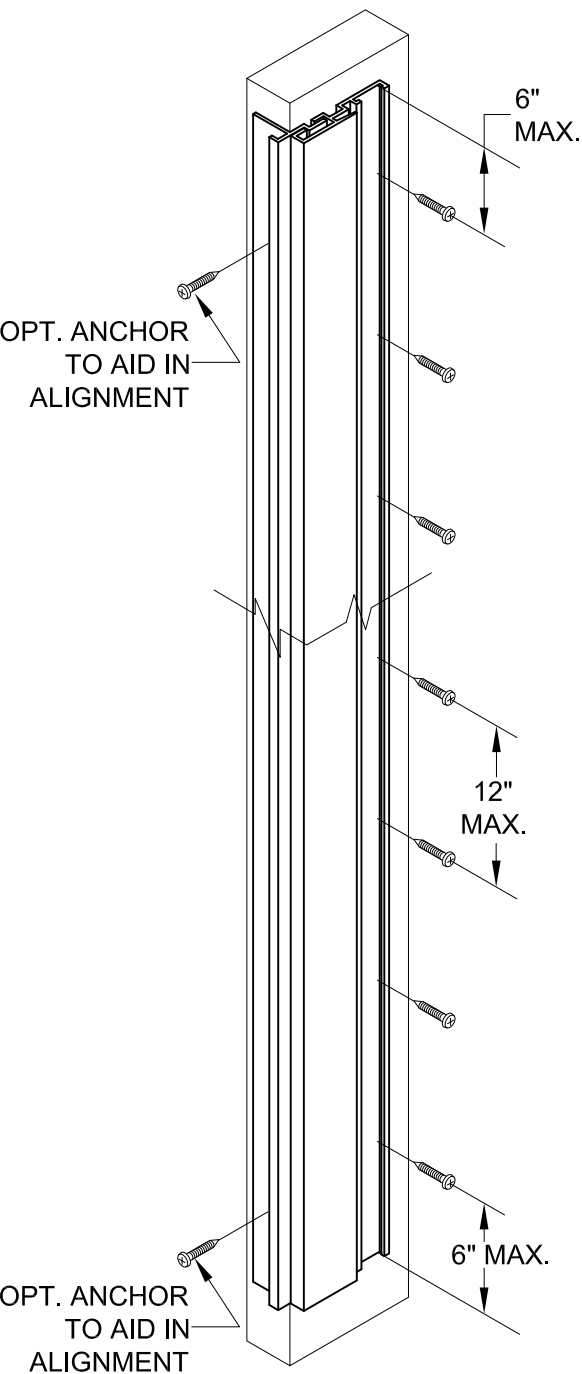
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P.E.# 58705

P-HOOK ANCHORS LAYOUT:

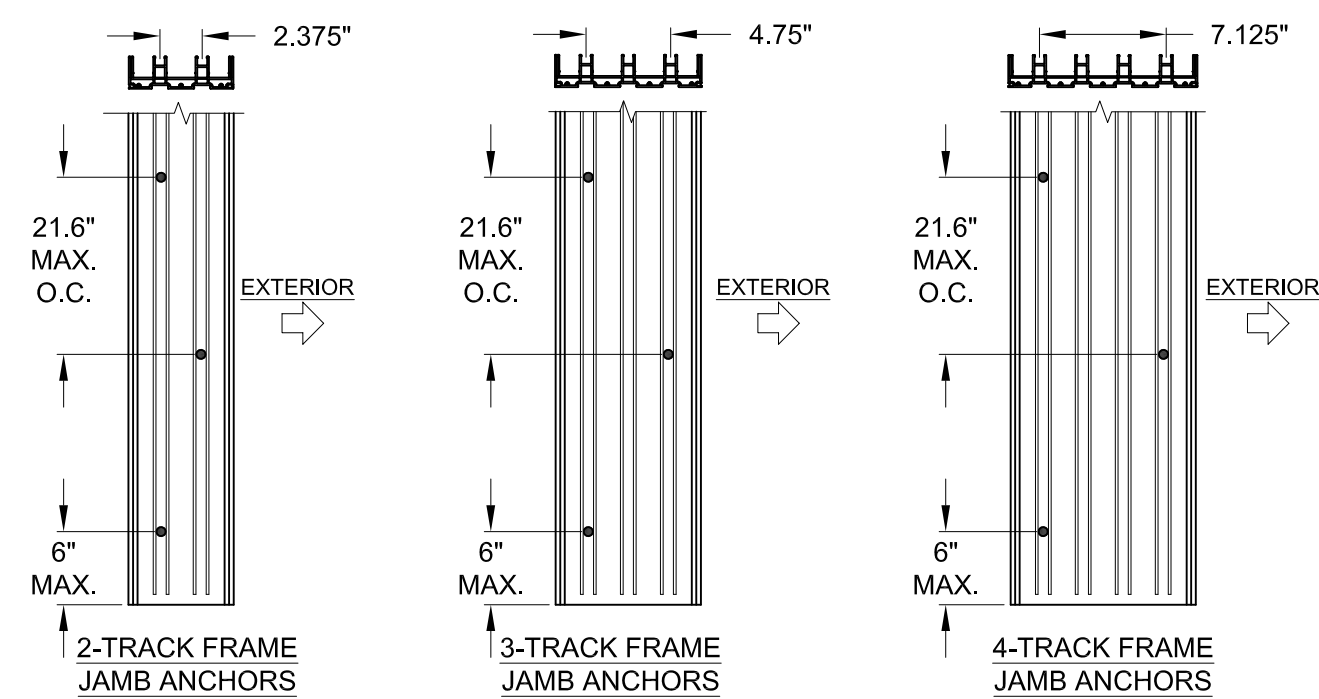


NOTES:
1) SEE TABLES 1 - 3 FOR EXACT QUANTITY OF ANCHORS REQUIRED IN THE P-HOOK.

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

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

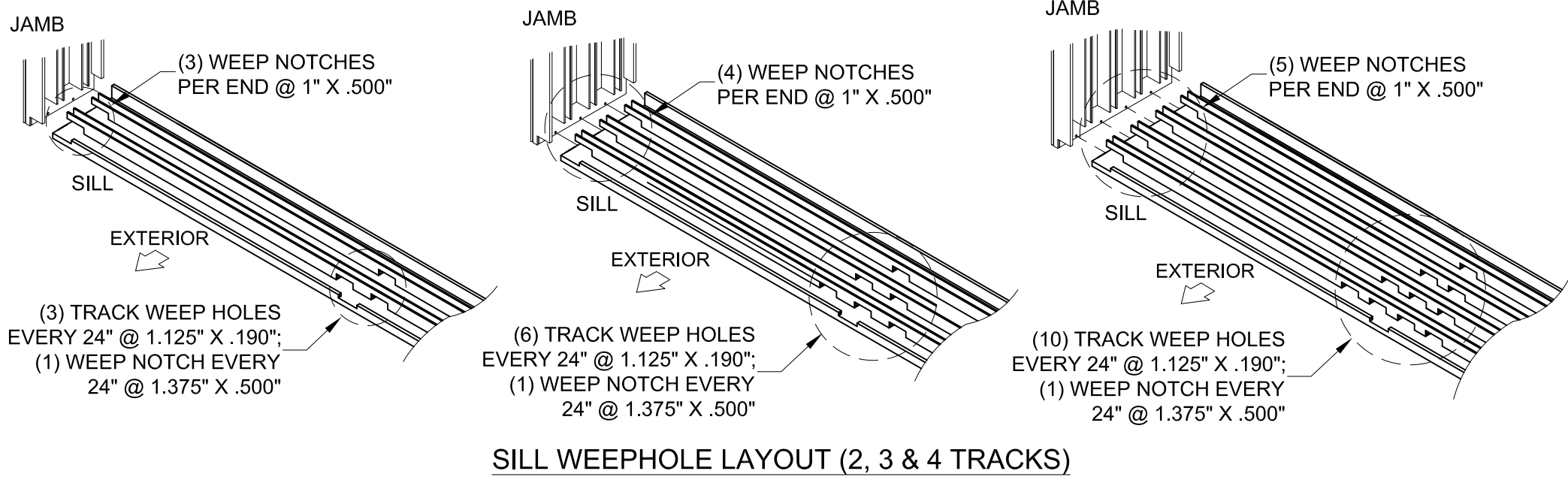
JAMB ANCHORS LAYOUT, (PARTIAL VIEW):



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.

FIGURES PERTAIN TO THE FOLLOWING JAMB ANCHOR LOCATIONS:

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



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VINYL SLIDING GLASS DOOR (LM)

ANCHOR LOCATIONS C

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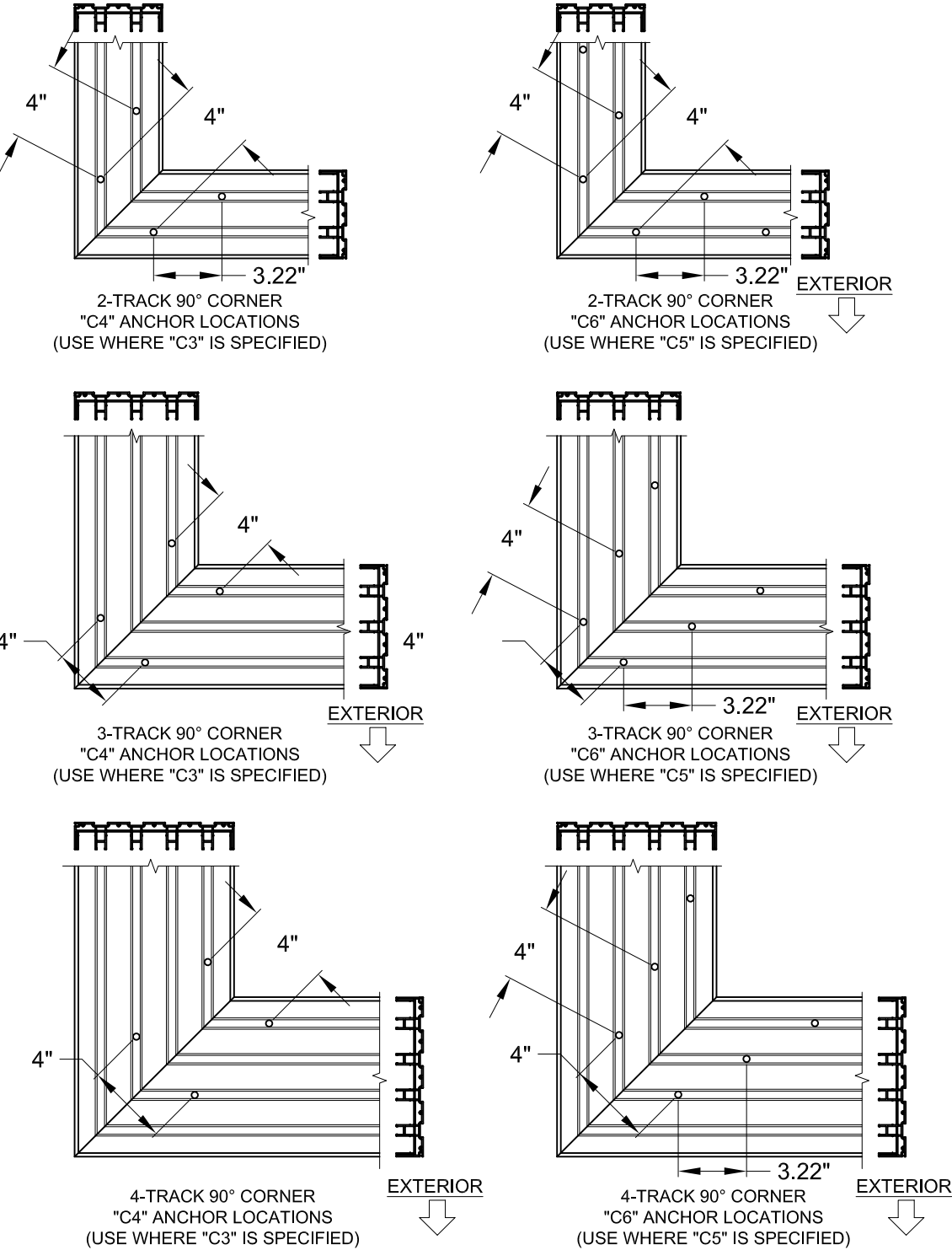
14 OF 20

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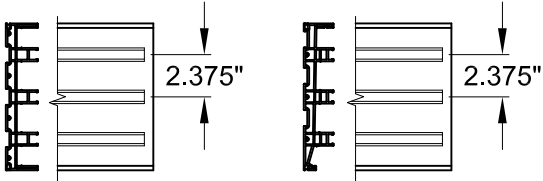
HEAD 90° CORNER CLUSTER ANCHORS LAYOUT:



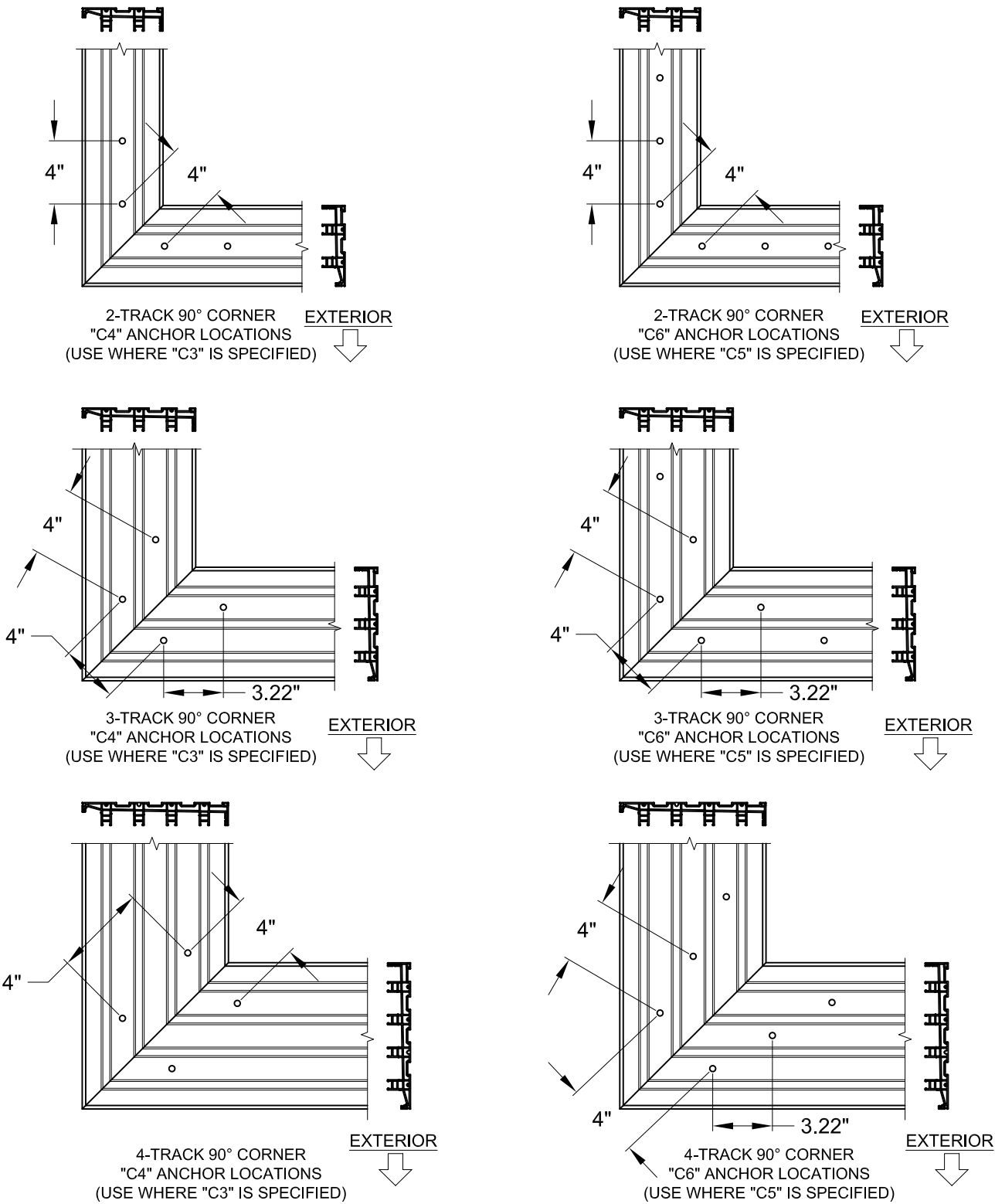
FIGURES PERTAIN TO THE FOLLOWING 90° CORNER HEAD ANCHOR LOCATIONS:

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

- NOTES:
- 1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
 - 2) DETAILS DEPICT ANCHOR QUANTITY AND SPACING, AND WOULD BE SIMILAR FOR OUTSIDE (SHOWN) AND INSIDE CORNER CONFIGURATIONS.
 - 3) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL HEADS AND SILLS:



SILL 90° CORNER CLUSTER ANCHORS LAYOUT:



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

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

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VINYL SLIDING GLASS DOOR (LM)

ANCHOR LOCATIONS D

SGD5570NS

Date 02/28/24

By A MORLESIN

No. 15 OF 20

Sheet

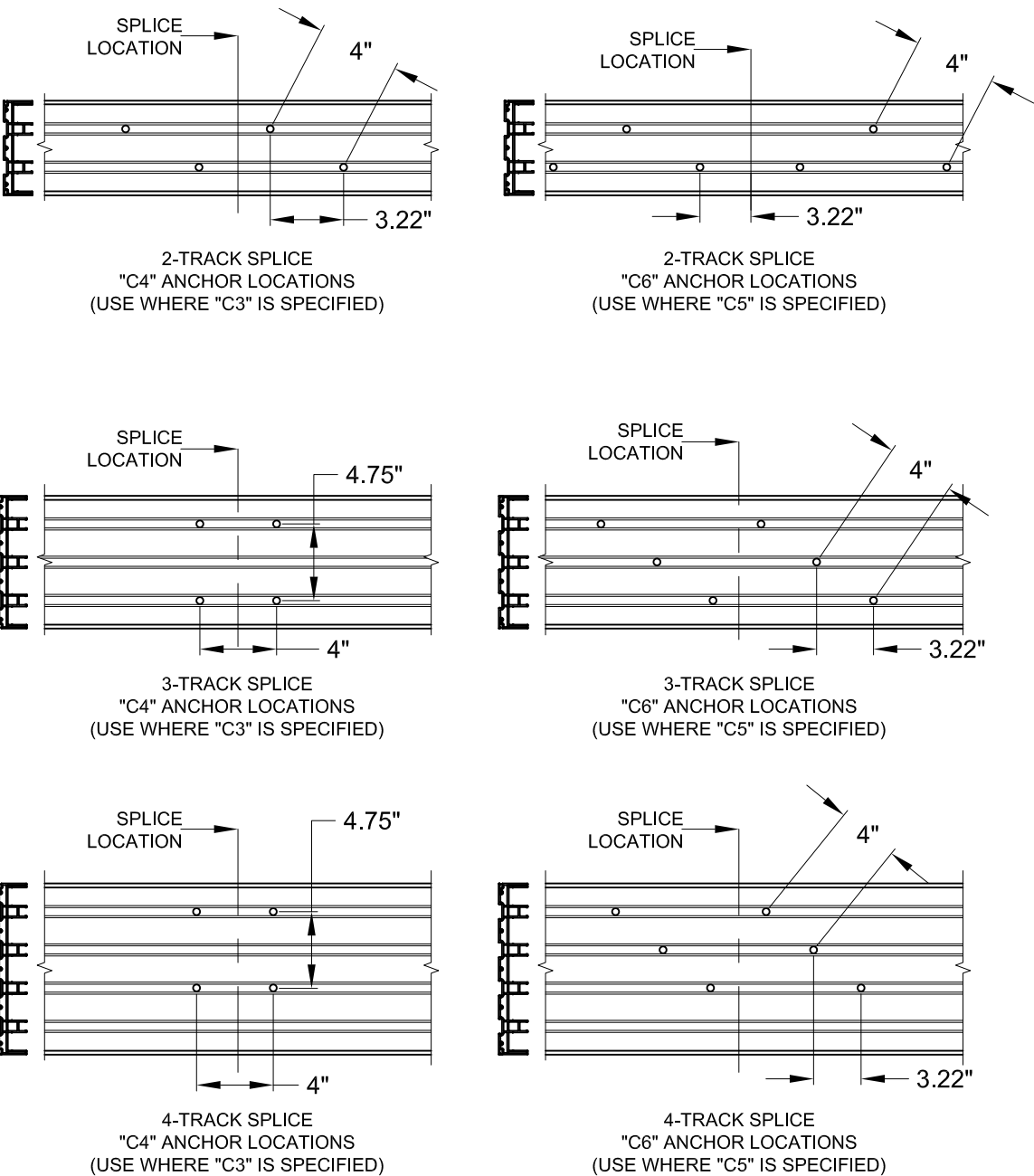
Rev. # 08/20/25

NO CHANGES, THIS SHEET.

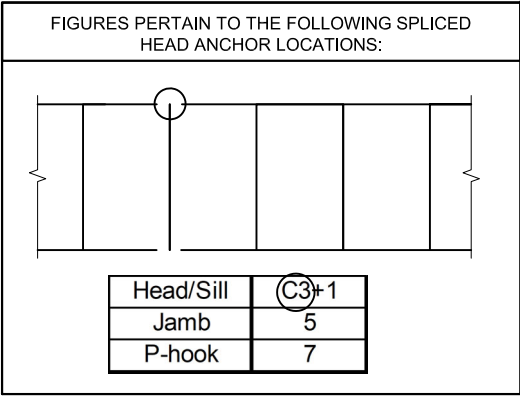
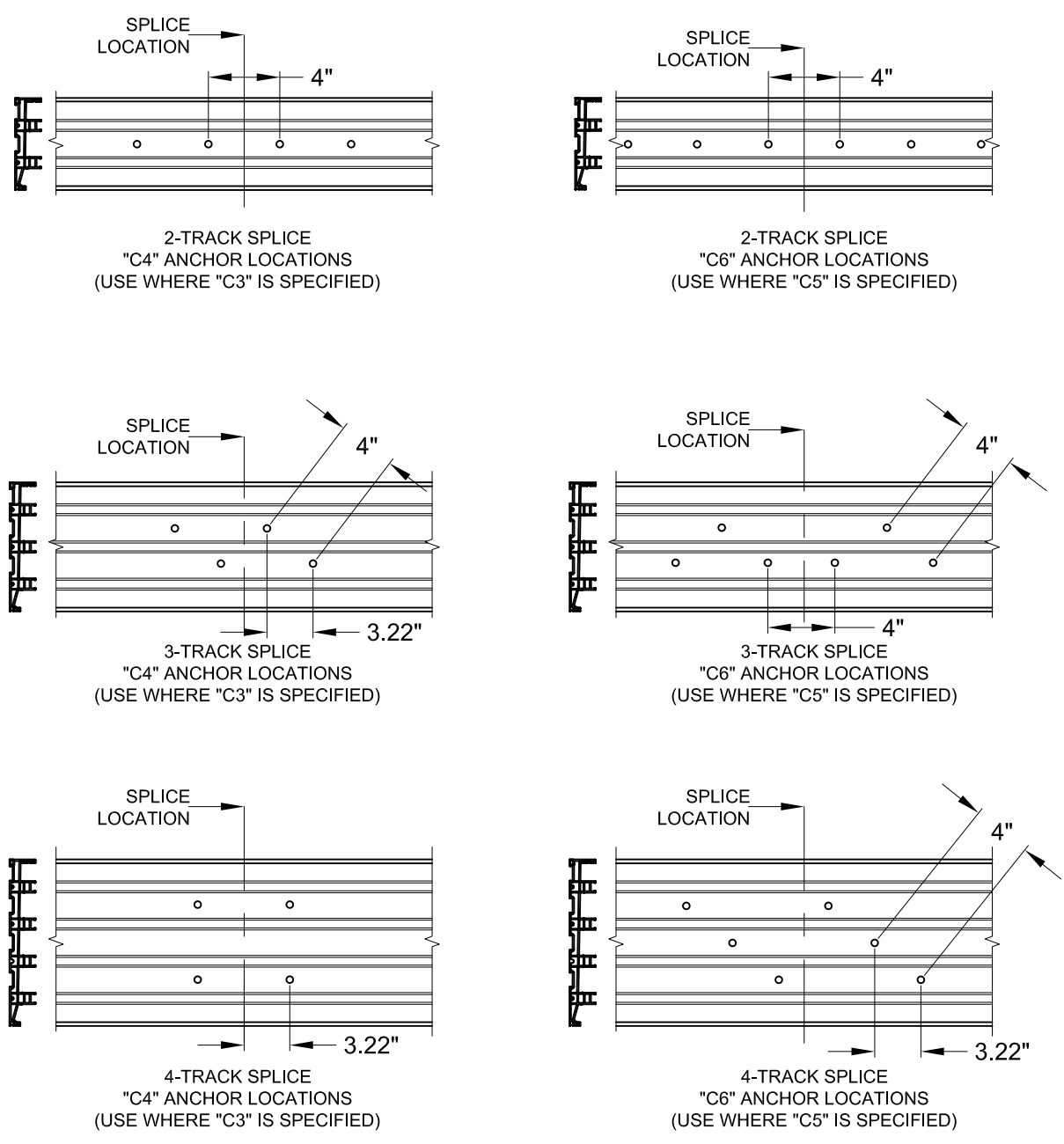
E

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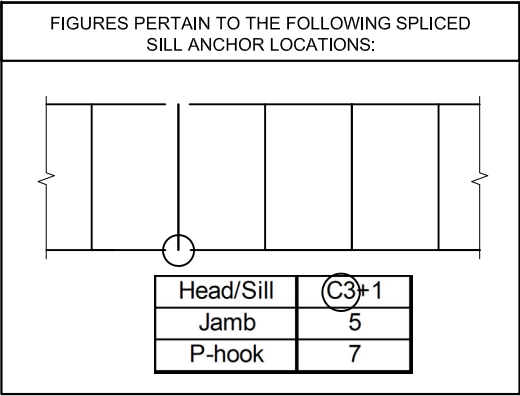
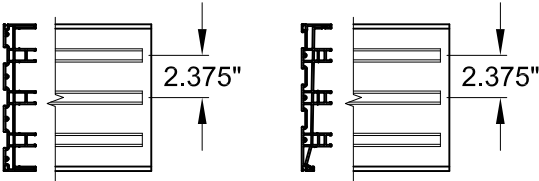
HEAD SPLICE ANCHORS @ INTERLOCK



SILL SPLICE ANCHORS @ INTERLOCK



- 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 10.
 - 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:



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VINYL SLIDING GLASS DOOR (LM)

ANCHOR LOCATIONS F

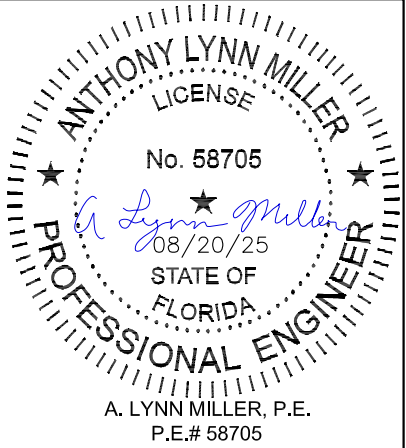
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02/28/24

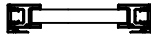
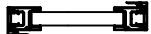
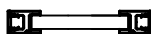
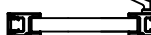
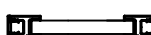
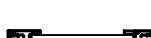
A MORLESIN

16 OF 20

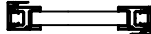
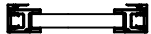
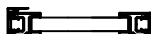
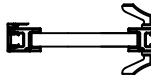
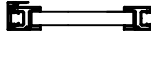
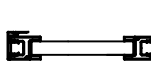
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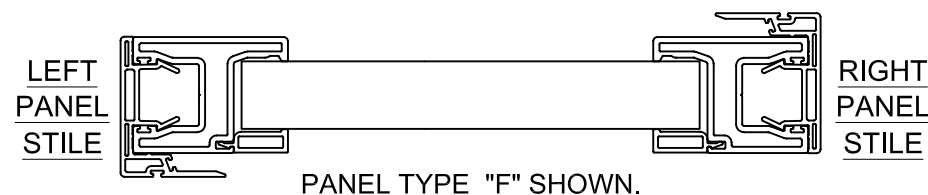


PANEL STILE TYPES

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

PANEL STILE TYPES

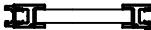
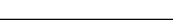
<i>B</i>	R.H. INTERLOCK		R.H. INTERLOCK
<i>E</i>	R.H. INTERLOCK		L.H. INTERLOCK
<i>P</i>	P.H. INTERLOCK		FIXED STILE
<i>A</i>	R.H. INTERLOCK		LOCKSTILE W/ HANDLE
<i>CO</i>	R.H. INTERLOCK		ASTRAGAL BOX OUT
<i>C</i>	R.H. INTERLOCK		ASTRAGAL BOX IN



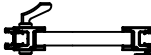
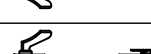
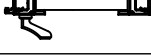
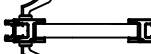
PANEL NOTES:

- 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".

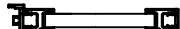
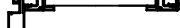
PANEL STILE TYPES

<i>RR</i>	FIXED STILE		R.H. INTERLOCK
<i>R</i>	FIXED STILE		L.H. INTERLOCK
<i>SO</i>	FIXED STILE		ASTRAGAL BOX OUT
<i>SI</i>	FIXED STILE		ASTRAGAL BOX IN

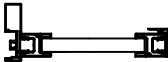
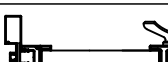
PANEL STILE TYPES

<i>D</i>	LOCKSTILE W/ HANDLE		R.H. INTERLOCK
<i>M</i>	LOCKSTILE W/ HANDLE		L.H. INTERLOCK
<i>JO</i>	LOCKSTILE W/ HANDLE		ASTRAGAL BOX OUT
<i>JI</i>	LOCKSTILE W/ HANDLE		ASTRAGAL BOX IN

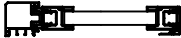
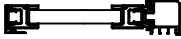
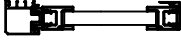
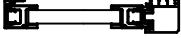
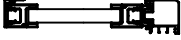
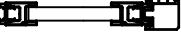
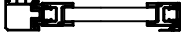
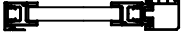
PANEL STILE TYPES

<i>LR</i>	ASTRAGAL BOX OUT		R.H. INTERLOCK
<i>TO</i>	ASTRAGAL BOX OUT		FIXED STILE
<i>UO</i>	ASTRAGAL BOX OUT		LOCKSTILE W/ HANDLE

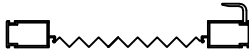
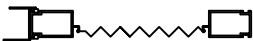
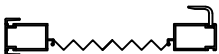
PANEL STILE TYPES

<i>N</i>	ASTRAGAL BOX IN		L.H. INTERLOCK
<i>TI</i>	ASTRAGAL BOX IN		FIXED STILE
<i>UI</i>	ASTRAGAL BOX IN		LOCKSTILE W/ HANDLE
<i>V</i>	FIXED STILE		FIXED STILE

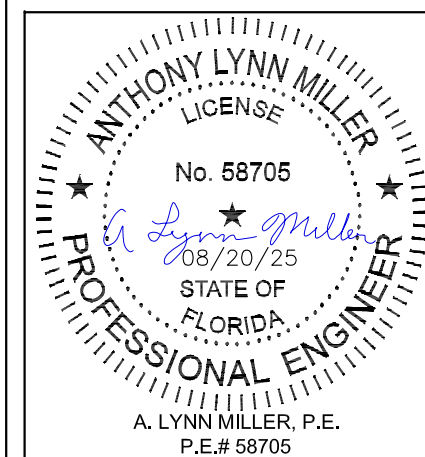
PANEL STILE TYPES

<i>AT</i>	CORNER ASTRAGAL IN		R.H. INTERLOCK
<i>TA</i>	L.H. INTERLOCK		CORNER ASTRAGAL IN
<i>CS</i>	CORNER ASTRAGAL OUT		L.H. INTERLOCK
<i>SC</i>	R.H. INTERLOCK		CORNER ASTRAGAL OUT
<i>AS</i>	CORNER ASTRAGAL IN		L.H. INTERLOCK
<i>SA</i>	R.H. INTERLOCK		CORNER ASTRAGAL IN
<i>CF</i>	CORNER ASTRAGAL OUT		FIXED STILE
<i>FC</i>	FIXED STILE		CORNER ASTRAGAL OUT
<i>CS</i>	CORNER ASTRAGAL OUT		R.H. INTERLOCK
<i>TC</i>	L.H. INTERLOCK		CORNER ASTRAGAL OUT

SCREEN PANEL TYPES

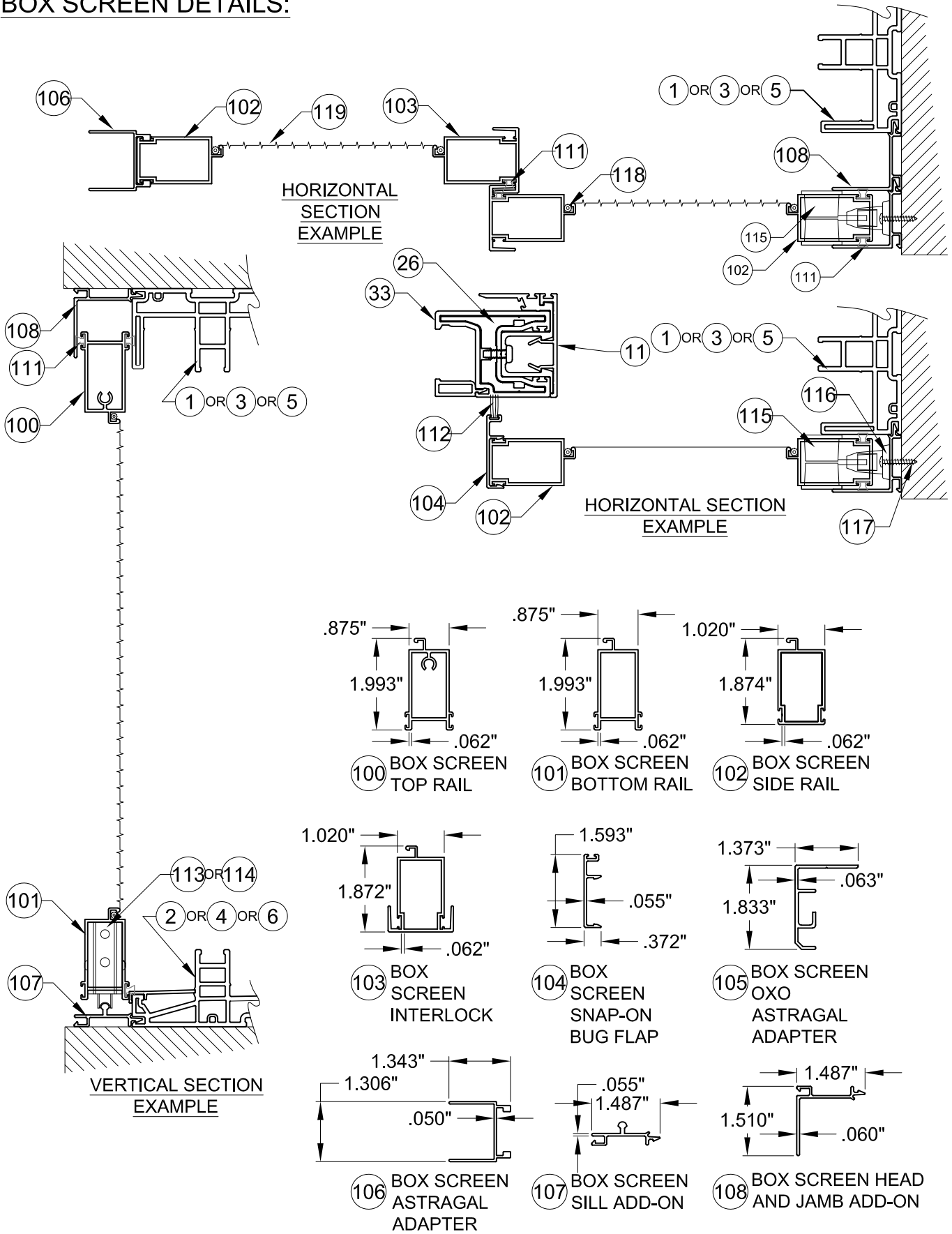
<i>C</i>	SINGLE INTERLOCK		ASTRAGAL
<i>M</i>	LOCKSTILE		SINGLE INTERLOCK
<i>J</i>	LOCKSTILE		ASTRAGAL
<i>SD</i>	SINGLE INTERLOCK		DOUBLE INTERLOCK
<i>A</i>	SINGLE INTERLOCK		LOCKSTILE
<i>U</i>	ASTRAGAL		LOCKSTILE
<i>DS</i>	DOUBLE INTERLOCK		SINGLE INTERLOCK

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VINYL SLIDING GLASS DOOR (LM)		Date	02/28/24
PANEL TYPES		By	A MORLESIN
SGD5570NS	Sheet	No.	17 OF 20
SGD5570NSFPA-LM	Drawn	Date	02/28/24

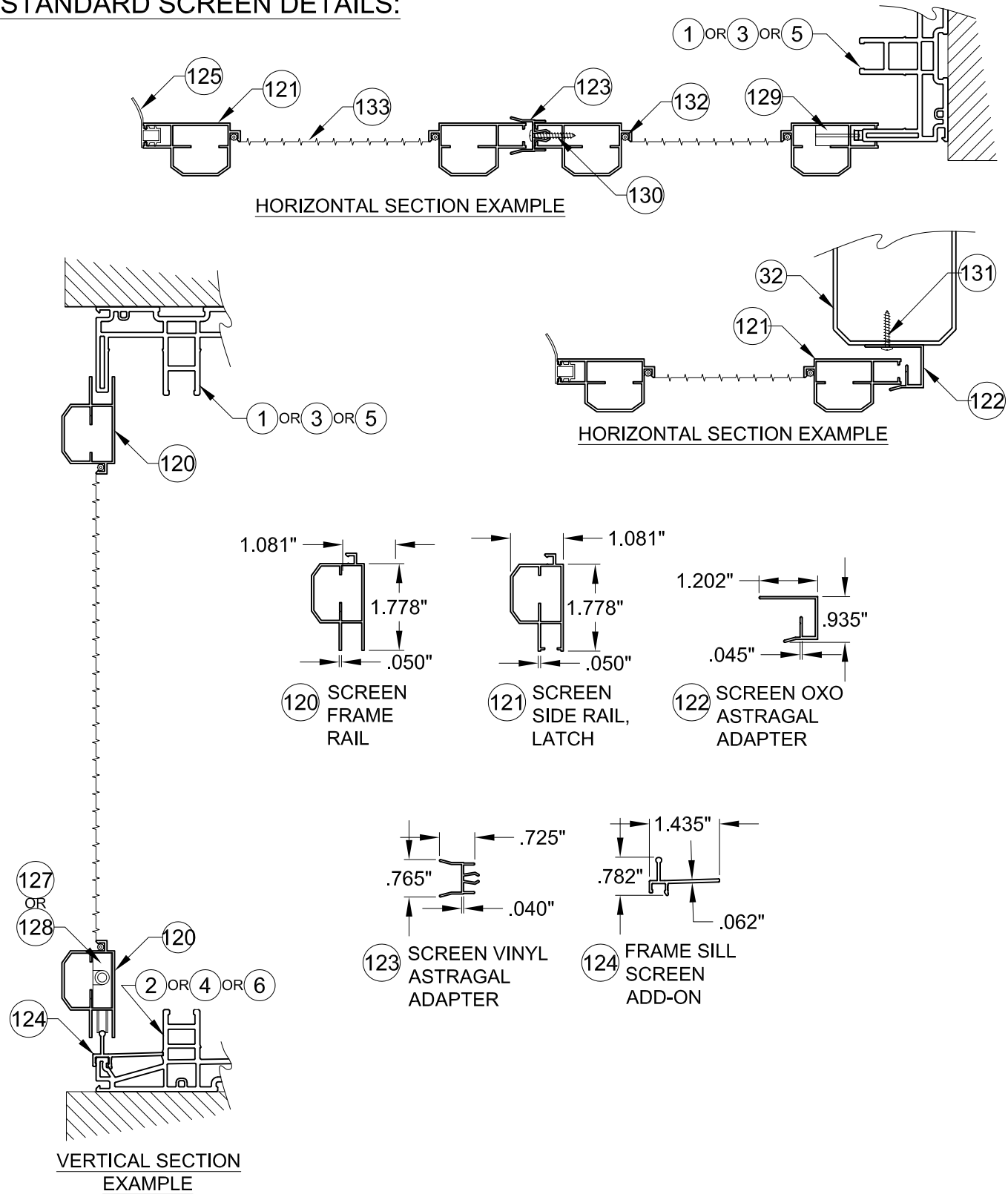


Rev.	NO CHANGES, THIS SHEET.	Date	08/20/25	Rev.#	E

BOX SCREEN DETAILS:

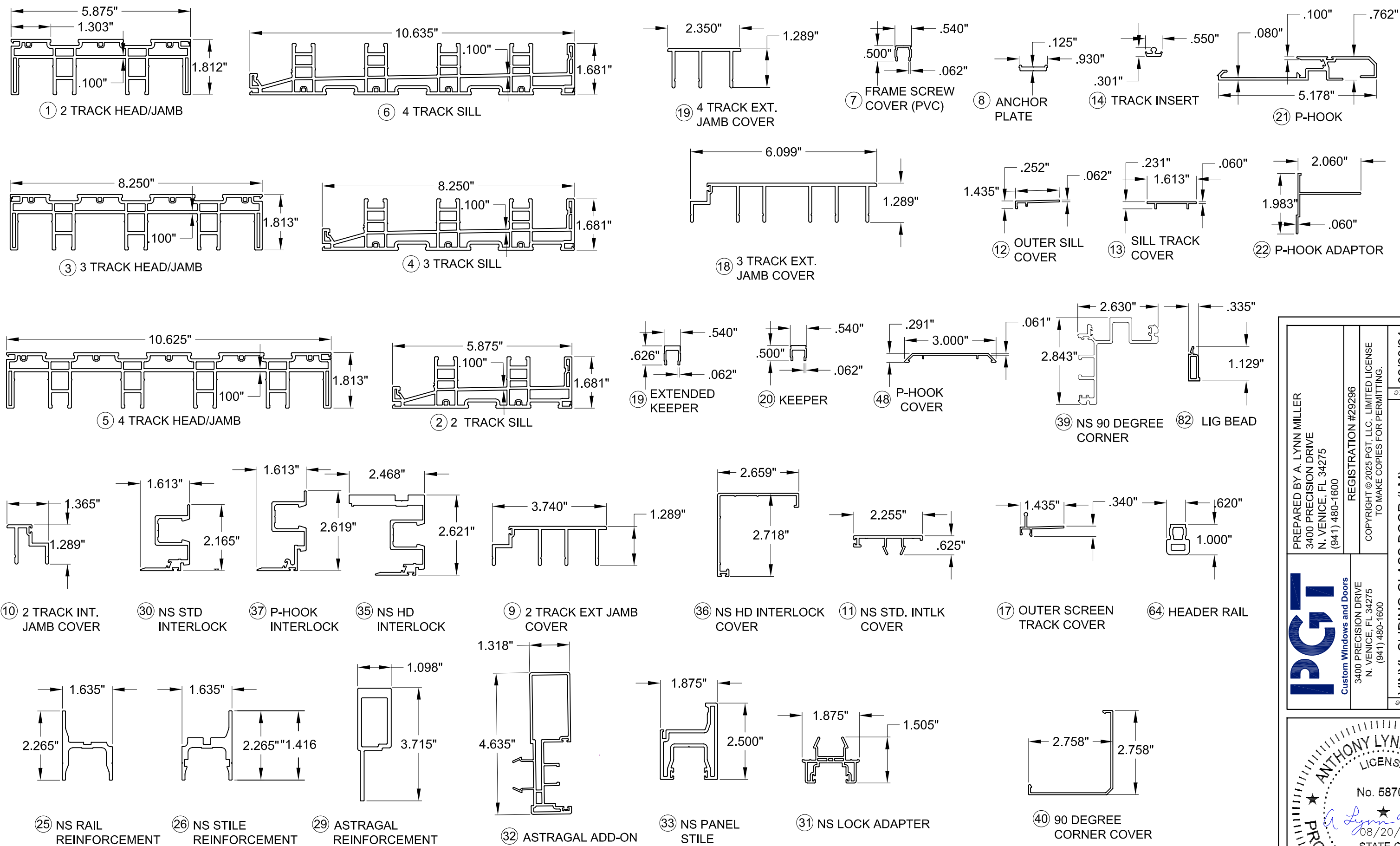


STANDARD SCREEN DETAILS:



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SCREEN DETAILS		18 OF 20		SGD5570NS	
SGD5570NS		SGD5570NSFPA-LM		NO CHANGES, THIS SHEET.	

ANTHONY LYNN MILLER
LICENSE
No. 58705
08/20/25
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



NOTES:
1) SEE SHEET 4 FOR SILL RISERS.
2) SEE SHEET 17 FOR SCREEN PARTS.

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PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		VINYL SLIDING GLASS DOOR (LM)		By		No.		19 OF 20	
EXTRUSIONS		Sheet		Title		Desc.		Series	
SGD5570NS		VINYL SLIDING GLASS DOOR (LM)		02/28/24		A MORLESIN		SGD5570NSFPA-LM	

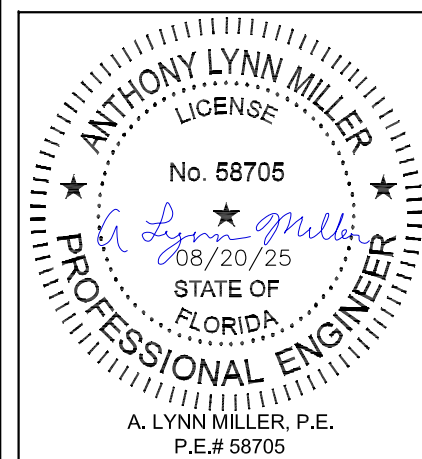


TABLE C1:

#	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° Comer Astragal	6063-T6 Alum.
40	19169	90° Comer 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.
44	19023A	Sill Riser - (4-1/16")	6063-T6 Alum.
45	19024A	Sill Riser - (4-5/8")	6063-T6 Alum.
48	19014	P-hook Cover	Rigid PVC

TABLE C2:

#	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 E: 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 D: 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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 Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600	VINYL SLIDING GLASS DOOR (LM)		By A MORLESIN	Sheet	DWG
	BILL OF MATERIALS		SGD5570NS		SGD5570NSFPA-LM

