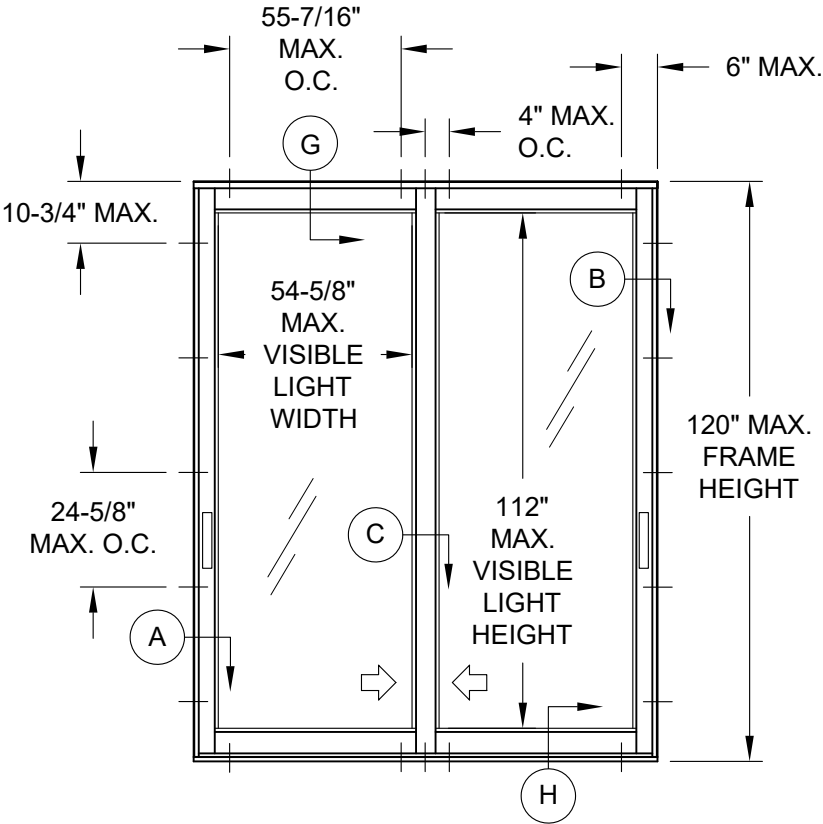


SERIES 7600, IMPACT RESISTANT, THERMALLY-BROKEN SLIDING GLASS DOOR
INCLUDING INT./EXT. POCKETS & INSIDE/OUTSIDE 90° CORNERS

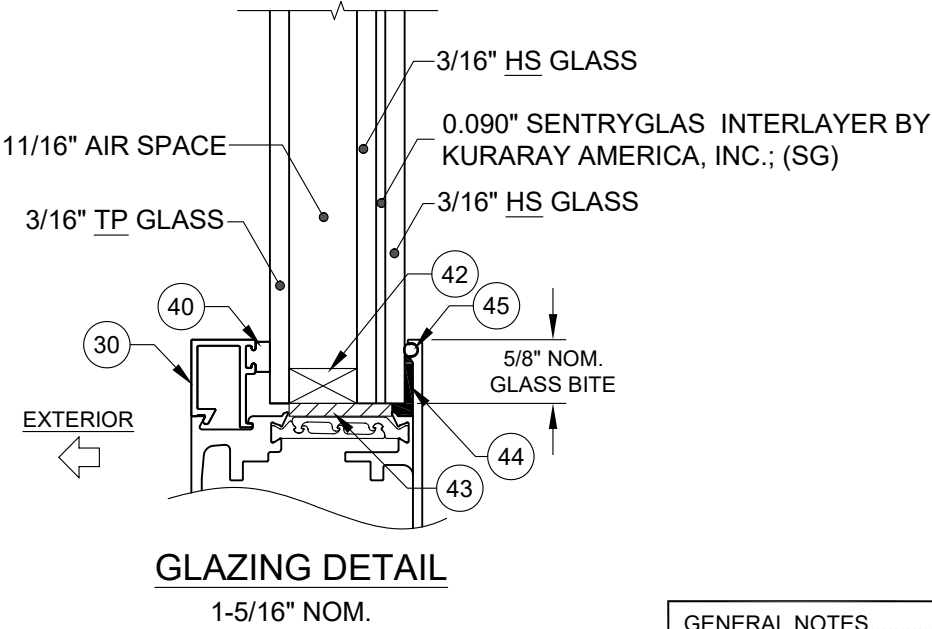
- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, NOT INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- 3) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND SECURED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER, (EOR) OR ARCHITECT OF RECORD, (AOR).
- 4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE EMBEDMENT. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.
- 5) MAX. 1/4" SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE WINDOW.
- 6) DESIGN PRESSURES:
A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL/CYCLE TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL/ CYCLE TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.
- 7) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.
- 8) REFER TO CURRENT FLORIDA BUILDING CODE FOR EGRESS REQUIREMENTS.
- 9) IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, MAX. 1/4" THICK & 3400 PSI MIN., (DONE BY OTHERS) MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER SHEAR LOAD TO SUBSTRATE. IF SUBSTRATE IS WOOD, 30# FELT PAPER OR MASTIC IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE, OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

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



2P-2T XX ANCHOR LOCATIONS

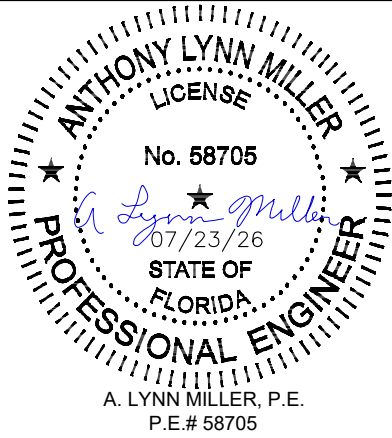
SEE SHEET 2 & 3 FOR ADDITIONAL CONFIGURATION EXAMPLES, ANCHOR LAYOUTS AND NOTES.

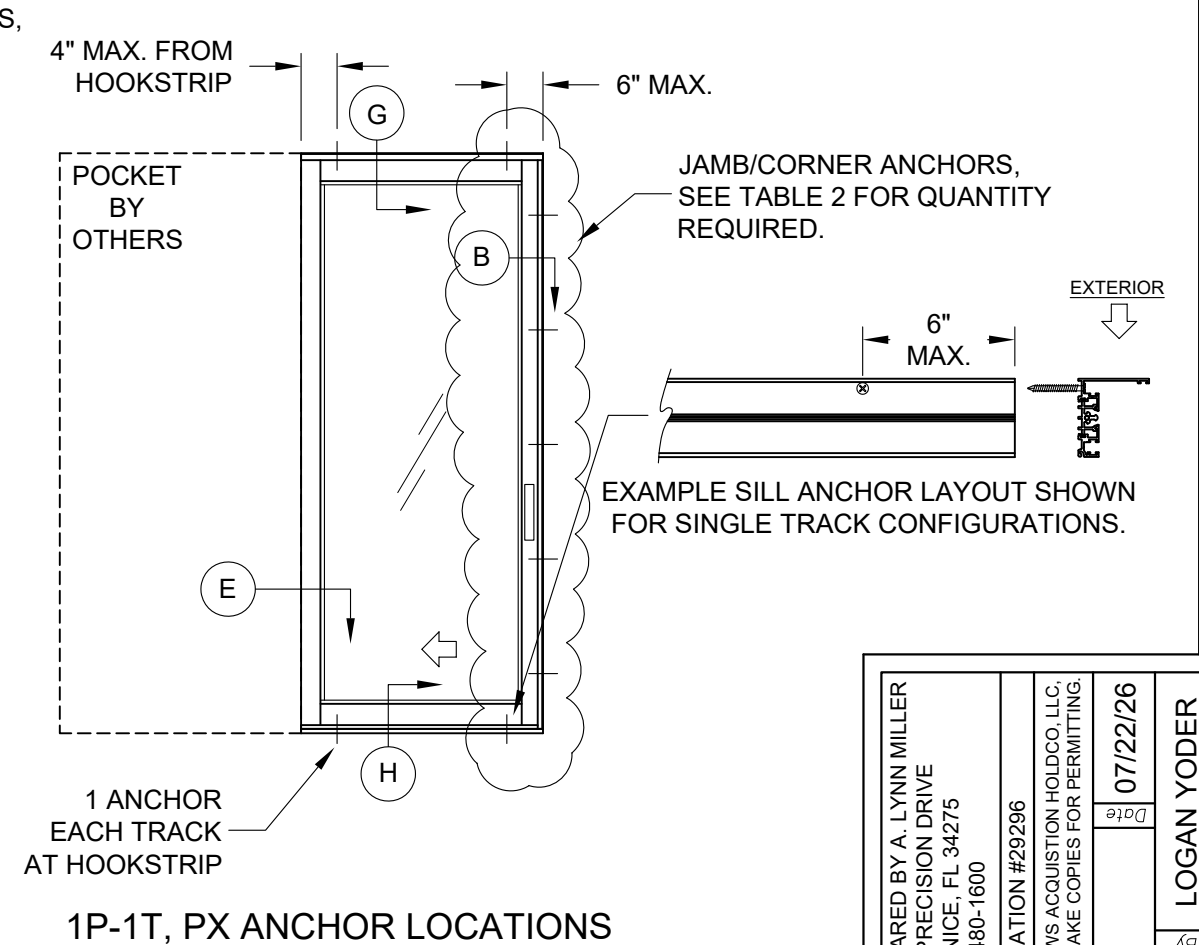
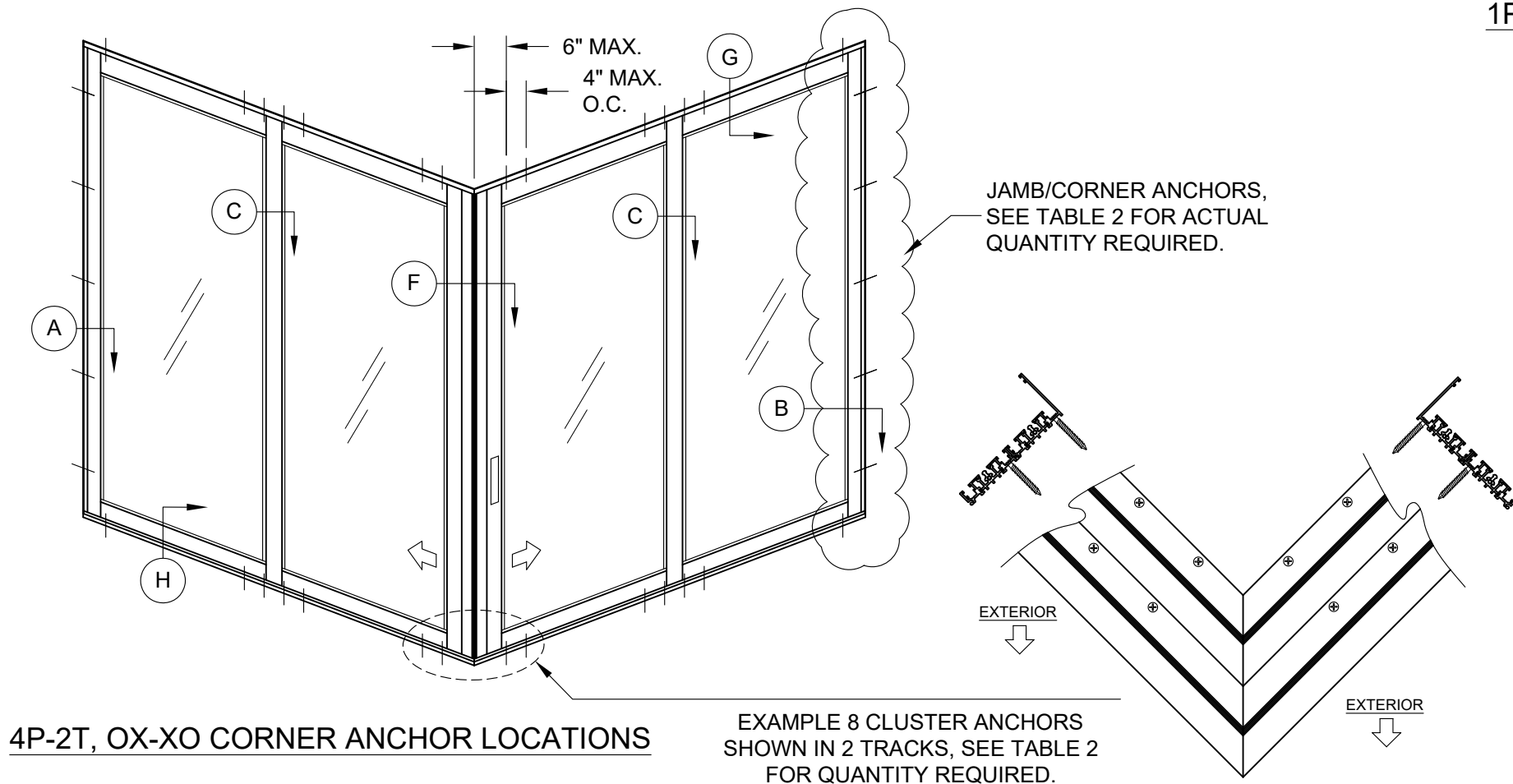
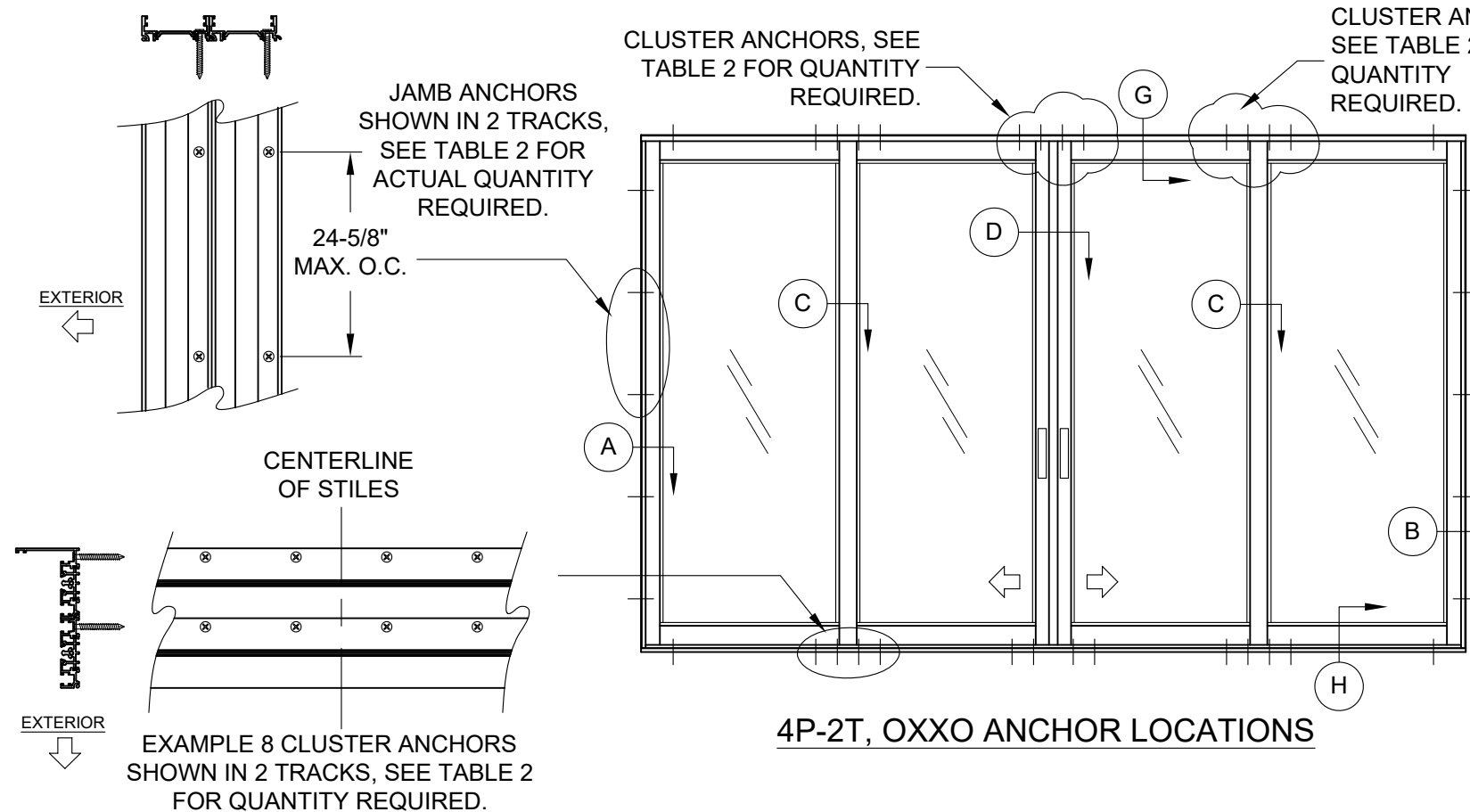


GENERAL NOTES.....	1
GLAZING.....	1
ELEVATIONS.....	2
ANCHORAGE DETAILS.....	3
INSTALLATION DETAILS.....	4-7
BOM & EXTRUSIONS.....	8

DESIGN PRESSURE RATING
+50.0 / -50.0 PSF
WATER TEST PRESSURE
15% OF (+) DP
IMPACT RATING
LARGE AND SMALL MISSILE
IMPACT RESISTANT
MISSILE LEVEL D, WIND ZONE 3

 WESTERN ARCHITECTURAL OPENINGS		2200 E RIVERVIEW DR PHOENIX, AZ 85034 (877) 268-1300		REGISTRATION #29296		PREPARED BY A. LYNN MILLER 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600	
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Series Desc.		Title		TB SLIDING GLASS DOOR (LM)		Date	07/22/26
SGD7600		Sheet		1 OF 8		DWG No.	LOGAN YODER
SGD7600-LM							





CONFIGURATION & ANCHORAGE NOTES:

- 1) NOT ALL CONFIGURATIONS POSSIBLE ARE SHOWN.
- 2) ADDITIONAL CONFIGURATIONS USING ANY COMBINATION OF STILES, POCKETS OR NUMBER OF PANELS POSSIBLE.
- 3) MAXIMUM OF 8 TRACKS ALLOWED, NOT INCLUDING TRACKS USED ONLY FOR SCREEN PANELS.
- 4) POCKETS MAY BE INTERIOR OR EXTERIOR, CORNERS MAY BE INSIDE OR OUTSIDE.
- 5) POCKET WALL OR CAVITY CONSTRUCTION IS NOT PART OF THIS APPROVAL AND IS TO BE DESIGNED BY OTHERS AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION.
- 6) SCREEN TRACKS NOT SHOWN. ANCHORAGE FOR SCREEN TRACKS ARE NON STRUCTURAL, INSTALL WITH SPACING AND QUANTITY AS NEEDED.

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WESTERN ARCHITECTURAL OPENINGS		2200 E RIVERVIEW DR PHOENIX, AZ 85034 (877) 268-1300		TB SLIDING GLASS DOOR (LM)	
ELEVATIONS		SGD7600		2 OF 8	
SGD7600-LM		SGD7600-LM		SGD7600-LM	

ANTHONY LYNN MILLER
 LICENSE
 No. 58705
 07/23/26
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.# 58705

TABLE 1:

Anchor Group	Anchor Type	Substrate	Min. Edge Distance	Min. Embedment or Metal Thickness
A	#10 Flathead SMS 18-8, 316 or 410 SS	Southern Pine (SG = 0.55)	9/16"	1-3/8"
		6063-T5 Aluminum	3/8"	0.060"
		A36 Steel	3/8"	0.050"
		Gr. 33 Steel Stud	3/8"	0.045" (18 Ga)
B	#10 Flathead SMS Carbon Steel	Southern Pine (SG = 0.55)	9/16"	1-3/8"
		6063-T5 Aluminum	3/8"	0.060"
		A36 Steel	3/8"	0.050"
		Gr. 33 Steel Stud	3/8"	0.045" (18 Ga)
	3/16" TrimFit Head DeWalt Ultracon	Concrete (min. 3 ksi)	1"	1-3/4"
		Filled or Hollow Block (ASTM C90)	1"	1-1/4"
		Southern Pine (SG = 0.55)	1/2"	1"

1) ANCHORS MUST BE OF SUFFICIENT LENGTH SO THAT A MINIMUM OF 3 THREADS EXTEND BEYOND METAL SUBSTRATE.

2) 18-8 FASTENERS SHALL BE MANUFACTURED FROM TYPE 304 OR 305 STAINLESS STEEL PER ASTM A240.

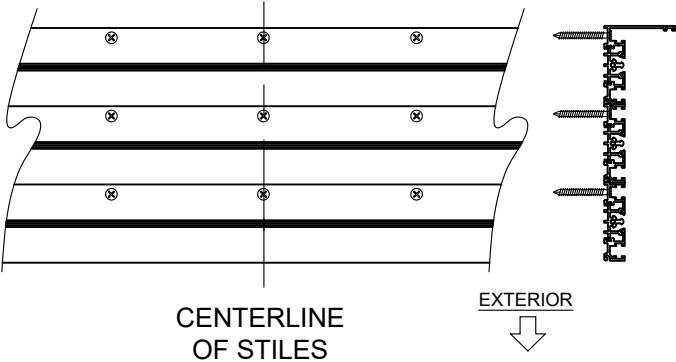
TABLE 2:

Min. Total Quantity of Anchors Required @ Head/Sill Cluster & Jamb/Frame Corners Across All Tracks																						
			Door Frame Height & DLO																			
			80" (72" DLO)				84" (76" DLO)				96" (88" DLO)				108" (100" DLO)				120" (112" DLO)			
			Anchor Group A		Anchor Group B		Anchor Group A		Anchor Group B		Anchor Group A		Anchor Group B		Anchor Group A		Anchor Group B		Anchor Group A		Anchor Group B	
			@ Head & Sill Cluster	@ Jamb & Corners	@ Head & Sill Cluster	@ Jamb & Corners	@ Head & Sill Cluster	@ Jamb & Corners	@ Head & Sill Cluster	@ Jamb & Corners	@ Head & Sill Cluster	@ Jamb & Corners	@ Head & Sill Cluster	@ Jamb & Corners	@ Head & Sill Cluster	@ Jamb & Corners	@ Head & Sill Cluster	@ Jamb & Corners	@ Head & Sill Cluster	@ Jamb & Corners	@ Head & Sill Cluster	@ Jamb & Corners
Nom. Panel Width & DLO	24"	18-5/8" DLO	5	5	3	4	5	6	4	4	6	6	4	4	6	7	4	5	7	8	5	5
	30"	24-5/8" DLO	6	7	4	5	6	7	4	5	7	8	5	5	8	9	5	6	8	10	6	7
	36"	30-5/8" DLO	7	8	5	5	7	8	5	6	8	9	6	6	9	10	6	7	10	12	7	8
	42"	36-5/8" DLO	8	9	6	6	8	10	6	7	9	11	7	7	11	12	7	8	12	13	8	9
	48"	42-5/8" DLO	9	10	6	7	9	11	7	7	11	12	7	8	12	14	8	9	13	15	9	10
	54"	48-5/8" DLO	10	12	7	8	11	12	7	8	12	14	8	9	13	15	9	11	15	17	10	12
	60"	54-5/8" DLO	11	13	8	9	12	13	8	9	13	15	9	10	15	17	10	12	16	19	11	13

1) TABLE 2 SHOWS THE MINIMUM QUANTITY REQUIRED TO RESIST THE RATED WINDLOAD. DEPENDING ON YOUR CONFIGURATION, ADDITIONAL ANCHORS MAY BE REQUIRED.

2) IF COMBINING ANCHOR TYPES FROM DIFFERENT ANCHOR GROUPS ON THE SAME UNIT, THE GREATER ANCHOR QUANTITY FROM EITHER GROUP SHALL BE USED FOR THE ENTIRE UNIT.

EXAMPLE: A 48" X 96" REQUIRES 7 ANCHORS AT THE HEAD & SILL CLUSTER PER TABLE 2. IF IT IS A 3 TRACK CONFIGURATION, YOU WOULD HAVE TO EVENLY DISTRIBUTE 9 ANCHORS. (SEE IMAGE OF SILL AT RIGHT)



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

WESTERN

ARCHITECTURAL OPENINGS

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2200 E RIVERVIEW DR
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07/22/26

TB SLIDING GLASS DOOR (LM)

ANCHORAGE

SGD7600-LM

3 OF 8

SGD7600

LOGAN YODER

By

Drawn

Desc.

Series

ANTHONY LYNN MILLER

LICENSE

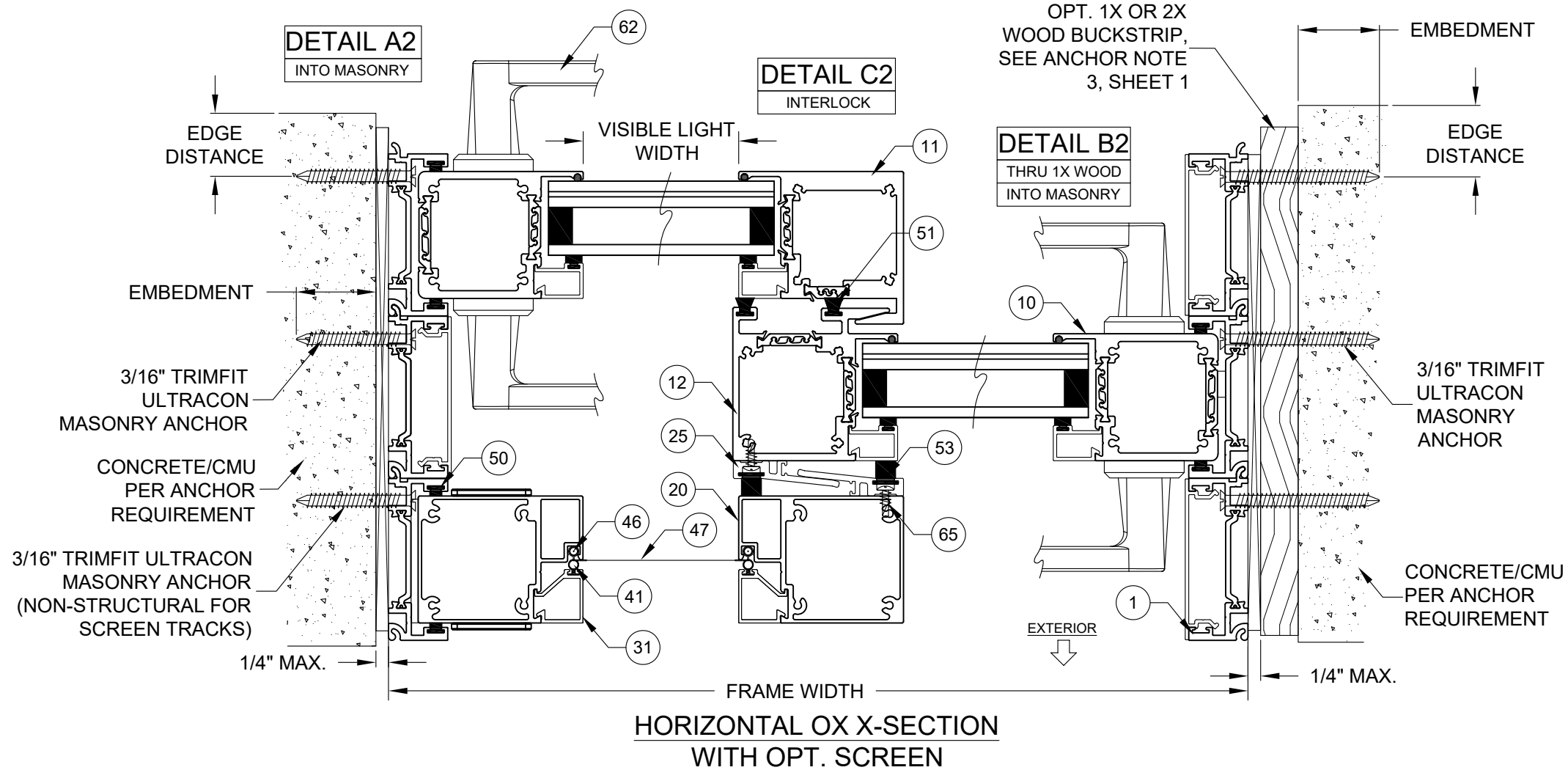
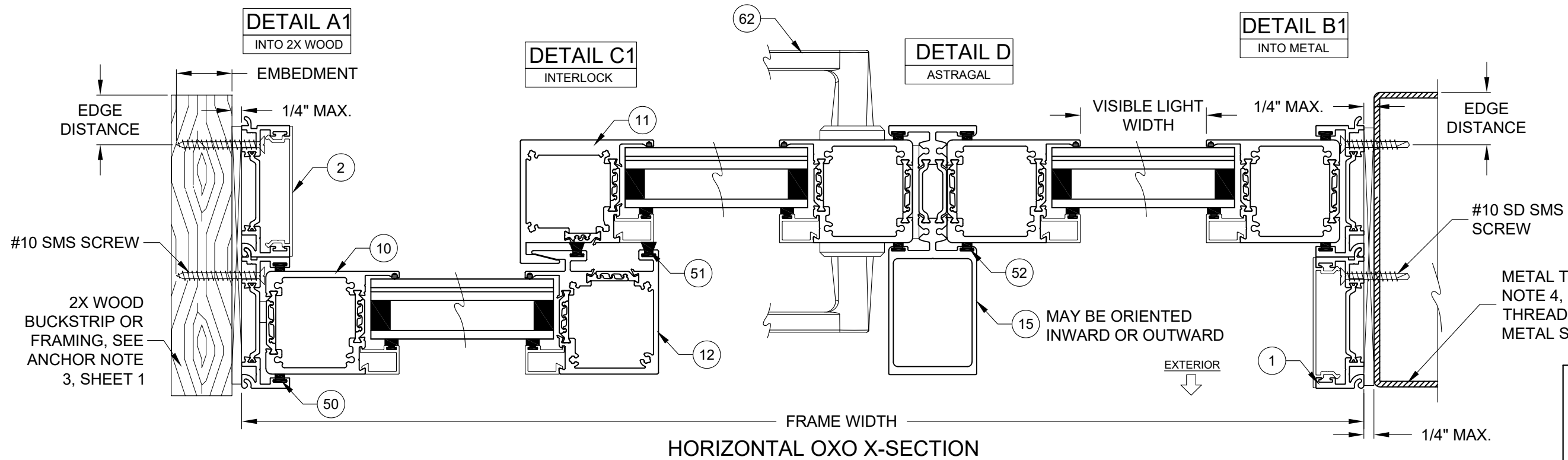
No. 58705

07/23/26

STATE OF FLORIDA

PROFESSIONAL ENGINEER

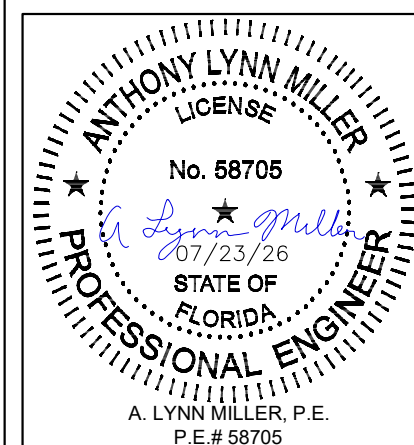
A. LYNN MILLER, P.E.
P.E.# 58705



NOTES

- 1) DETAILS APPLY TO ALL TRACK QUANTITIES AND ALL CONFIGURATIONS.
- 2) ANY INSTALLATION METHOD MAY BE USED ON ANY FRAME MEMBER.
- 3) ANCHORAGE FOR SCREEN TRACKS ARE NON-STRUCTURAL, INSTALL WITH SPACING AND QUANTITY AS NEEDED.
- 4) STACK MAY BE REVERSED/MIRRORED FROM IMAGE SHOWN.

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	2200 E RIVERVIEW DR PHOENIX, AZ 85034 (877) 268-1300		TB SLIDING GLASS DOOR (LM)		07/22/26
	INSTALLATION 1		4 OF 8		LOGAN YODER
	SGD7600		4 OF 8		SGD7600-LM



DETAIL A3
INTO 2X WOOD

EMBEDMENT
1/4" MAX.

NOTES

- 1) DETAILS APPLY TO ALL TRACK QUANTITIES AND ALL CONFIGURATIONS.
- 2) ANY INSTALLATION METHOD MAY BE USED ON ANY FRAME MEMBER.
- 3) ANCHORAGE FOR SCREEN TRACKS ARE NON-STRUCTURAL, INSTALL WITH SPACING AND QUANTITY AS NEEDED.
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DETAIL C1
INTERLOCK

DETAIL C1
INTERLOCK

DETAIL B3
INTO 2X WOOD

EDGE
DISTANCE

VISIBLE LIGHT WIDTH

#10 SMS SCREW

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

#10 SMS SCREW
(NON-
STRUCTURAL
FOR SCREEN
TRACKS)

EXTERIOR

FRAME WIDTH

HORIZONTAL XXX X-SECTION
WITH OPT. SCREEN

PREPARED BY A. LYNN MILLER
3400 PRECISION DRIVE
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WESTERN
ARCHITECTURAL OPENINGS

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TB SLIDING GLASS DOOR (LM)

INSTALLATION 2

SGD7600

5 OF 8

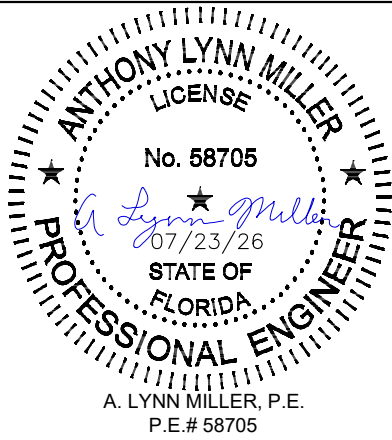
SGD7600-LM

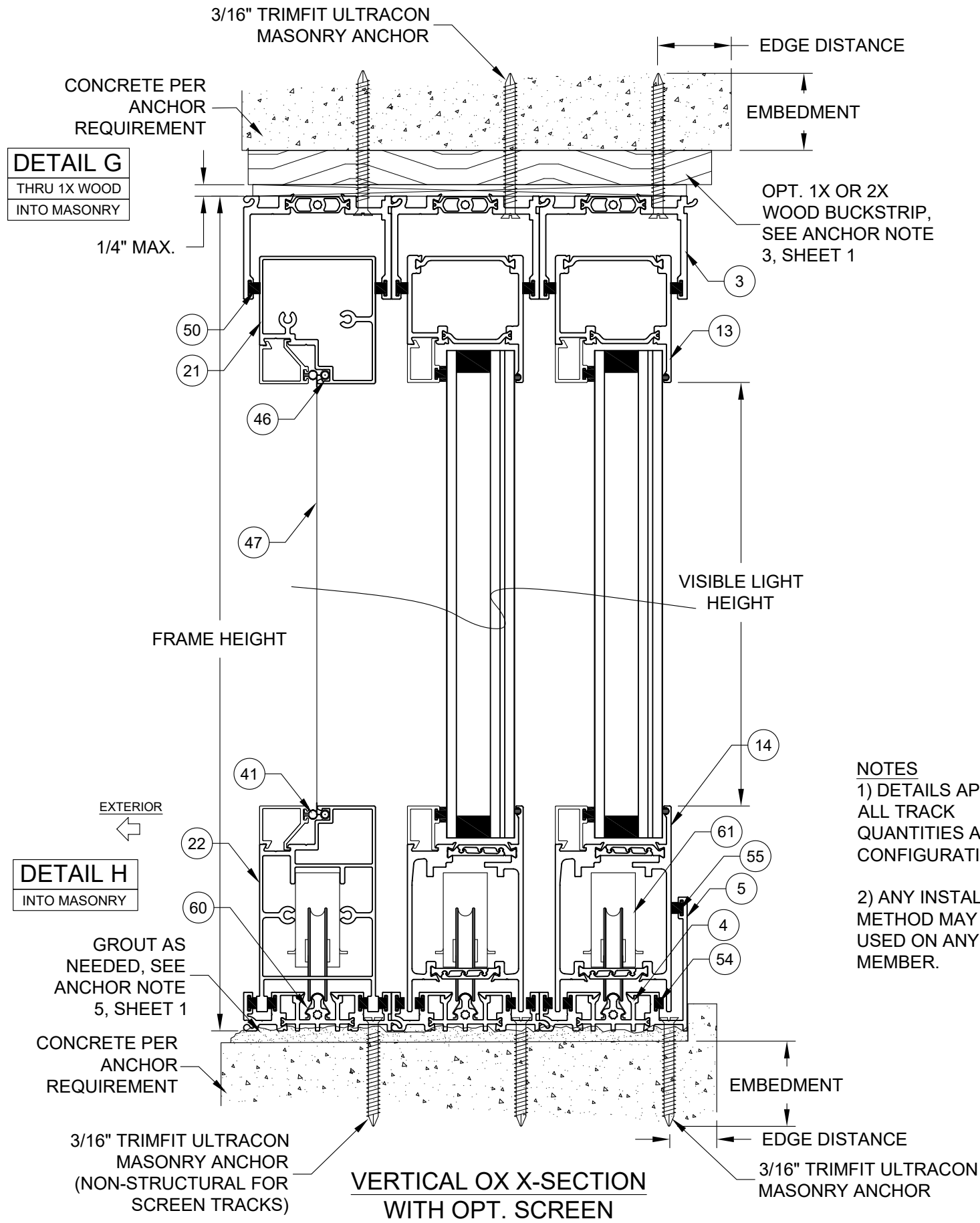
LOGAN YODER

By

07/22/26

Date

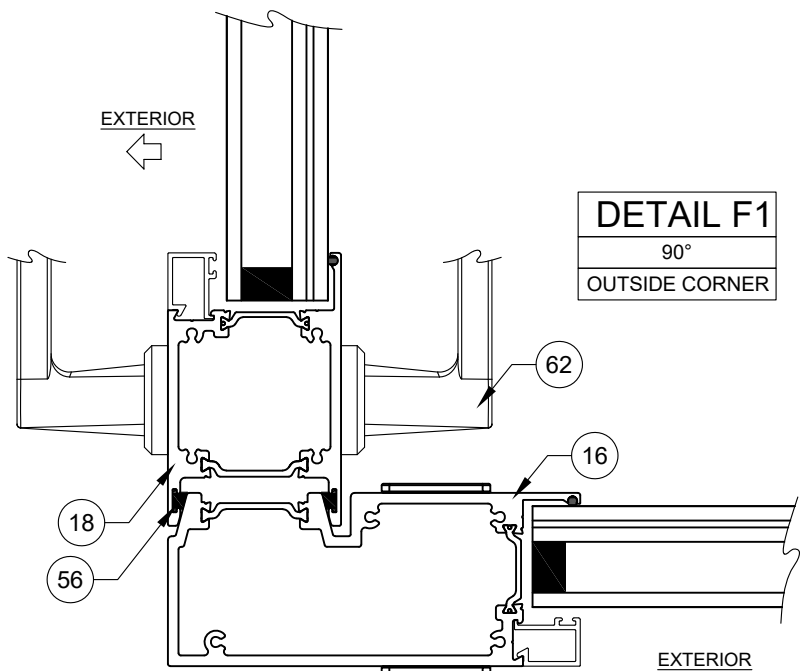




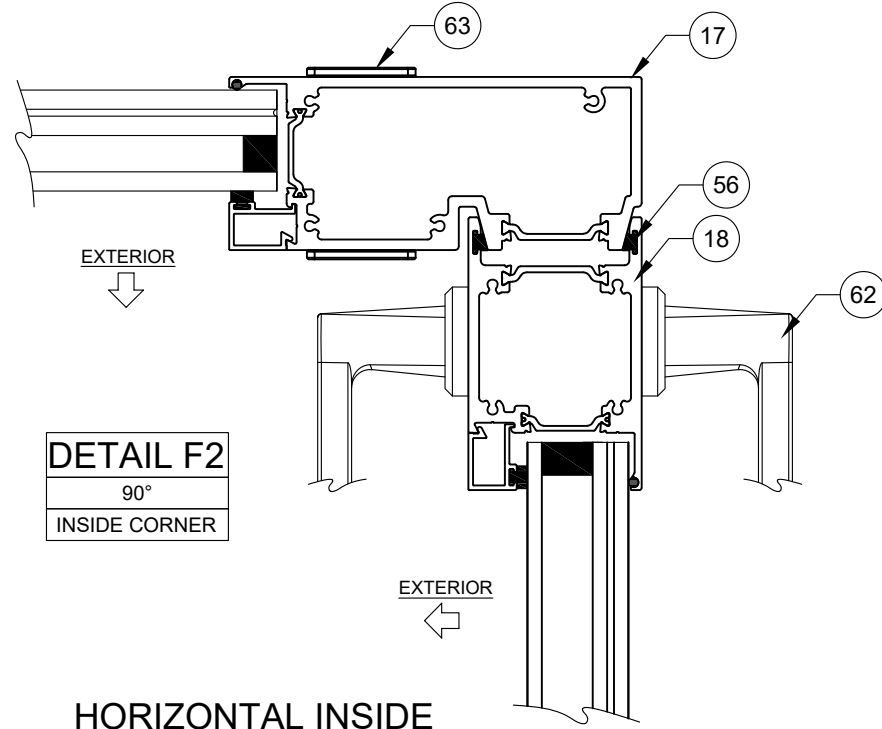
CORNER NOTES
ONLY THE CORNER
DETAIL IS SHOWN.
ADDITIONAL DETAILS
FROM SHEETS 4,5 & 7
TO APPLY.

NOTES
1) DETAILS APPLY TO
ALL TRACK
QUANTITIES AND ALL
CONFIGURATIONS.

2) ANY INSTALLATION
METHOD MAY BE
USED ON ANY FRAME
MEMBER.



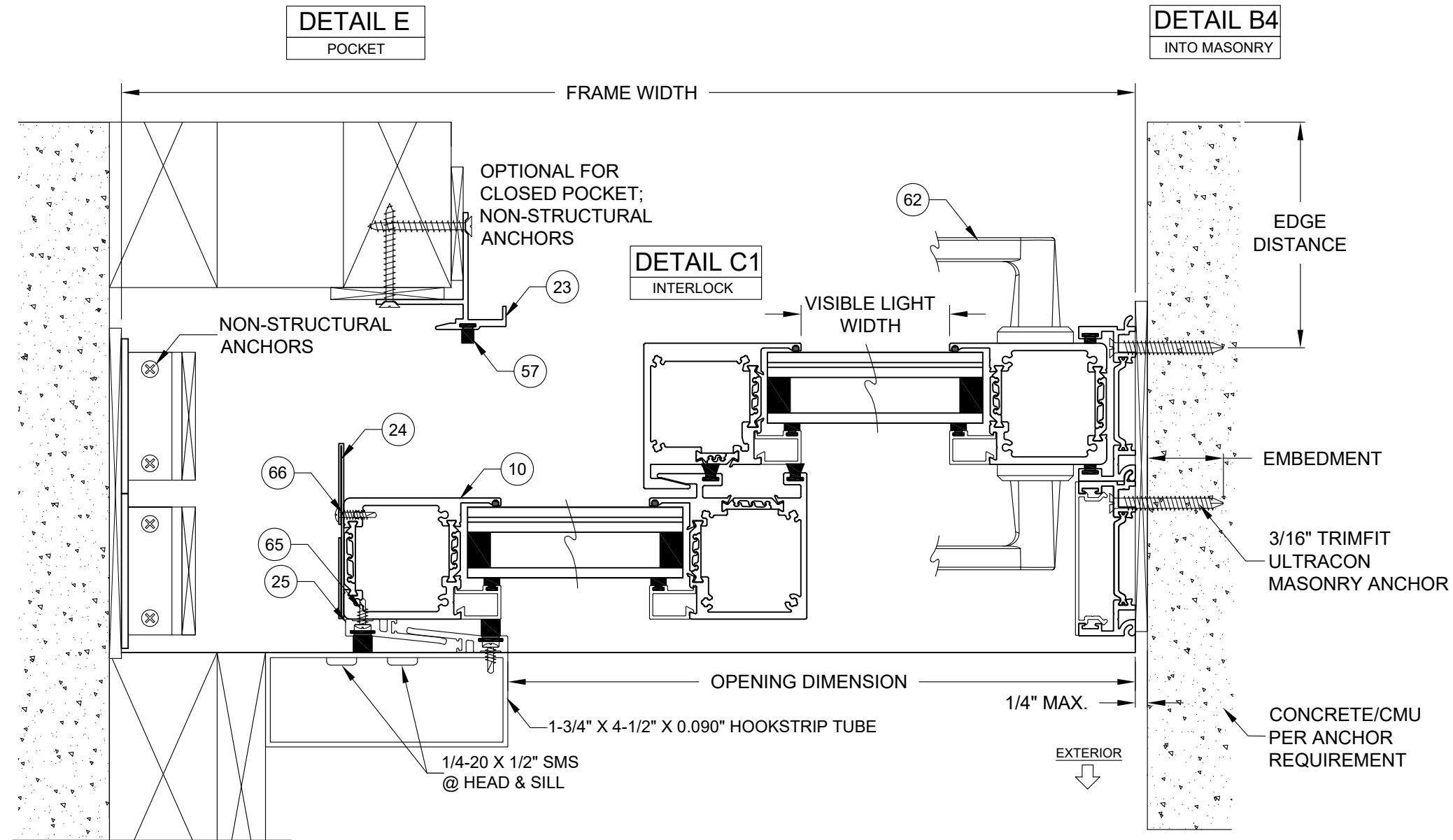
HORIZONTAL OUTSIDE
CORNER X-SECTION



HORIZONTAL INSIDE
CORNER X-SECTION

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WESTERN ARCHITECTURAL OPENINGS		2200 E RIVERVIEW DR PHOENIX, AZ 85034 (877) 268-1300		TB SLIDING GLASS DOOR (LM) Title		6 OF 8 DWG
INSTALLATION 3 Series		SGD7600 Desc.		SHEET 6 OF 8		SGD7600-LM No.

ANTHONY LYNN MILLER
LICENSE
No. 58705
07/23/26
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



HORIZONTAL PXX X-SECTION INTERIOR, CLOSED POCKET

EXTERIOR AND/OR OPEN
POCKET SIMILAR

NOTES

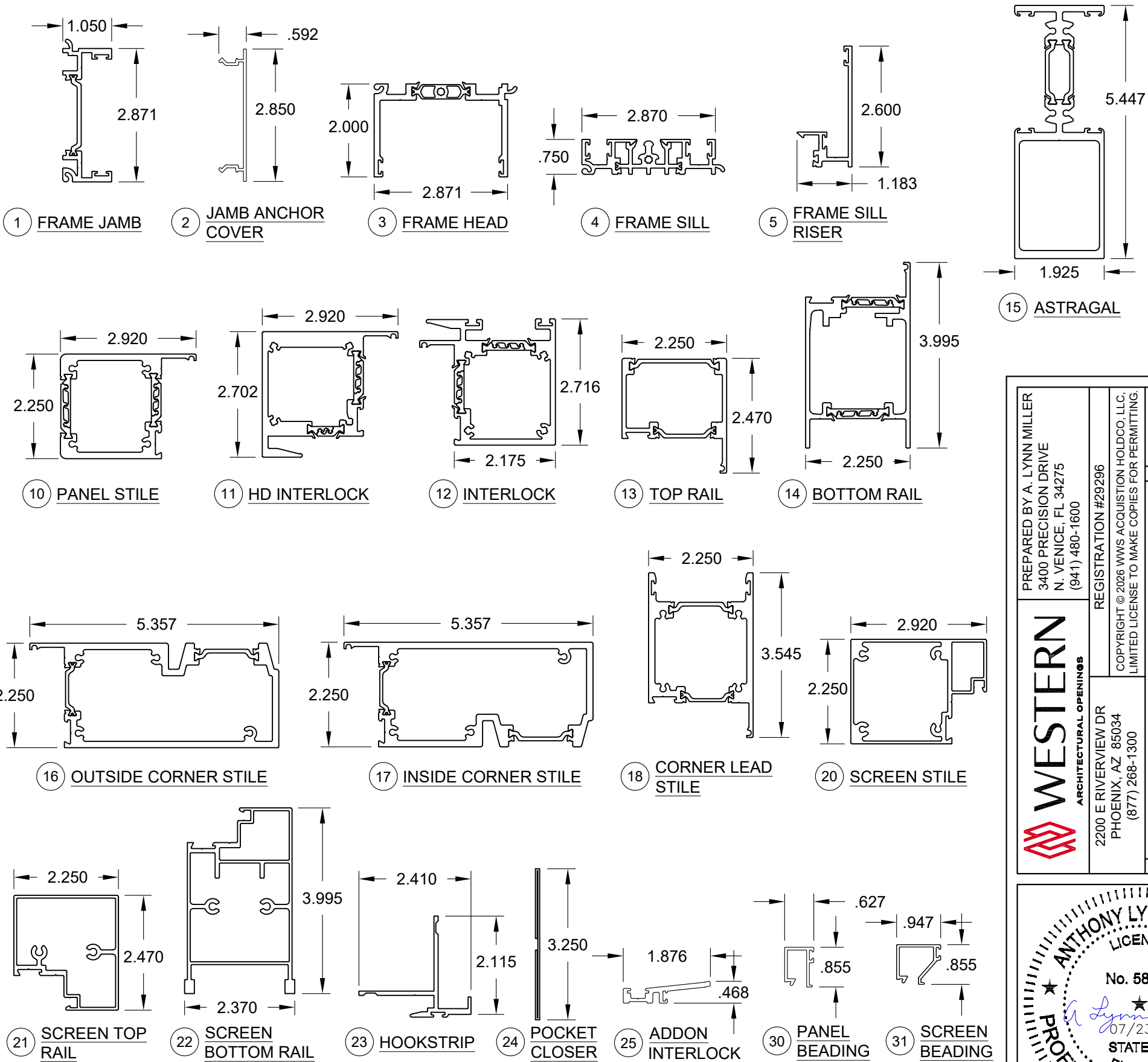
- 1) DETAILS APPLY TO ALL TRACK QUANTITIES AND ALL CONFIGURATIONS.
- 2) ANY INSTALLATION METHOD MAY BE USED ON ANY FRAME MEMBER.
- 3) INTERIOR OR EXTERIOR POCKETS APPLICABLE FOR ALL INSTALLATION METHODS. POCKET WALL OR CAVITY IS NOT PART OF THIS APPROVAL AND IS TO BE DESIGNED BY OTHERS AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION.
- 4) STACK MAY BE REVERSED/MIRRORED FROM IMAGE SHOWN.

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TB SLIDING GLASS DOOR (LM)		LOGAN YODER	
INSTALLATION 4		SGD7600-LM	
SGD7600		7 OF 8	

ANTHONY LYNN MILLER
 LICENSE
 No. 58705
 07/23/26
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.# 58705

TABLE 3:

Item #	Description	Material
1	Frame Jamb	TB 6063 T5 Alum.
2	Jamb Anchor Cover	6063 T5 Alum.
3	Frame Head	TB 6063 T5 Alum.
4	Frame Sill	TB 6063 T5 Alum.
5	Frame Sill Riser	6063 T5 Alum.
10	Panel Stile	TB 6063 T5 Alum.
11	HD Interlock	TB 6063 T5 Alum.
12	Interlock	TB 6063 T5 Alum.
13	Top Rail	TB 6063 T5 Alum.
14	Bottom Rail	TB 6063 T5 Alum.
15	Astragal	TB 6063 T5 Alum.
16	Outside Corner Stile	TB 6063 T5 Alum.
17	Inside Corner Stile	TB 6063 T5 Alum.
18	Corner Lead Stile	TB 6063 T5 Alum.
20	Screen Stile	6063 T5 Alum.
21	Screen Top Rail	6063 T5 Alum.
22	Screen Bottom Rail	6063 T5 Alum.
23	Hookstrip	6063 T5 Alum.
24	Pocket Closer	6063 T5 Alum.
25	Addon Interlock	6063 T5 Alum.
30	Panel Beading	6063 T5 Alum.
31	Screen Beading	6063 T5 Alum.
40	Panel Beading Gasket	Vinyl
41	Screen Beading Gasket	Vinyl
42	IG Spacer	Varies
43	Setting Block	EPDM
44	Silicone Backbedding	Dow-791 or 983
45	Glazing Leg Chord	EPDM
46	Screen Spline	Vinyl
47	Screen Cloth	Fiberglass
50	Jamb/Head Woolpile	
51	Interlock Woolpile	
52	Astaragal Woolpile	
53	Screen Stile Woolpile	
54	Track Woolpile	
55	Sill Riser Woolpile	
56	Corner Stile Woolpile	
57	Hookstrip Woolpile	
60	Track Cap	Stainless Steel
61	Panel Roller	Stainless Steel
62	Handle/Lock	Varies
63	#8 X 3/4" PH Frame Assembly Screw	Stainless Steel
64	5/16" Rod & Nut Panel Assembly Screw	Steel
65	Interlock Screw	Stainless Steel
66	Pocket Closer Screw	Stainless Steel



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			Date	By	No.
					DWG
					8 OF 8
2200 E RIVERVIEW DR PHOENIX, AZ 85034 (877) 268-1300		TB SLIDING GLASS DOOR (LM)		BOM & EXTRUSIONS	SGD7600
		Series		Desc.	Sheet

