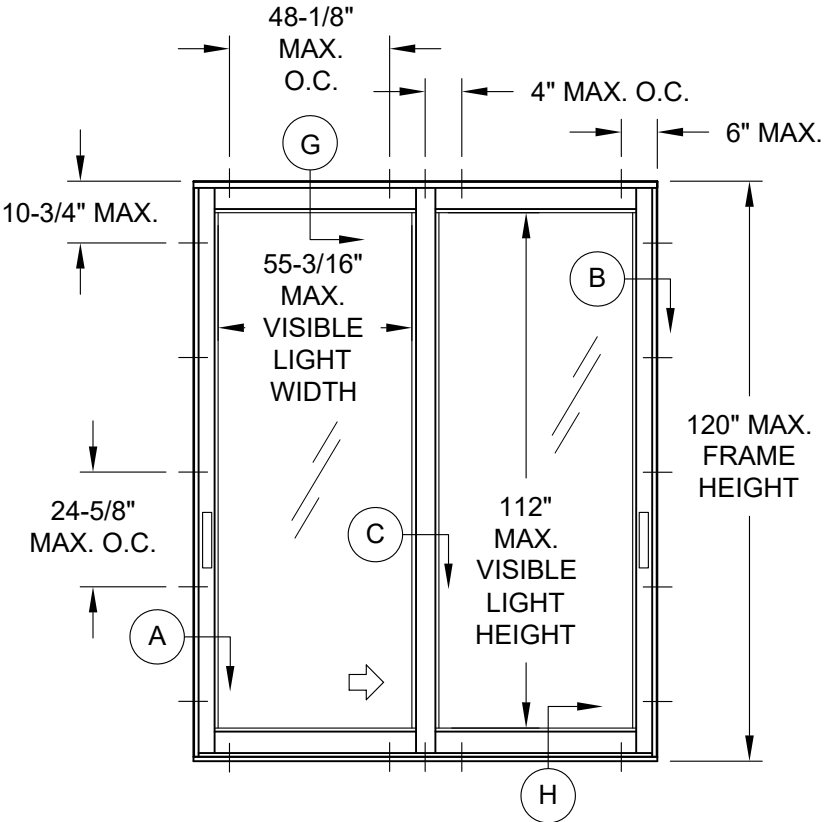


SERIES 7650, IMPACT RESISTANT, THERMALLY-BROKEN SLIDING GLASS DOOR
INCLUDING INT./EXT. POCKETS & INSIDE/OUTSIDE 90° CORNERS

- 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.



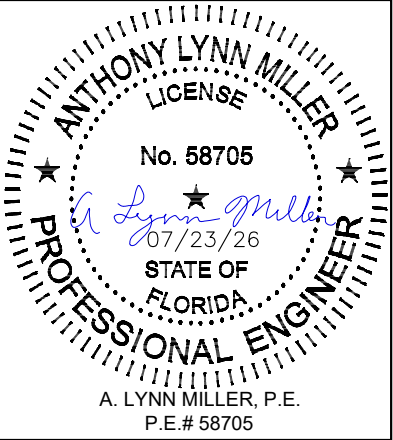
2P-2T XO ANCHOR LOCATIONS, OX SIMILAR

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

GENERAL NOTES.....	1
ELEVATIONS.....	2
INSTALLATION DETAILS.....	3-5
GLAZING.....	5
BOM & EXTRUSIONS.....	6

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		PREPARED BY A. LYNN MILLER 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600			
2200 E RIVERVIEW DR PHOENIX, AZ 85034 (877) 268-1300		REGISTRATION #29296		07/23/26	
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TB SLIDING GLASS DOOR (LM)		Date		LOGAN YODER	
GEN NOTES		Drawn By		SGD7650-LM	
Sheet		1 OF 6		DWG No.	
SGD7650					
Series		Desc.		Title	



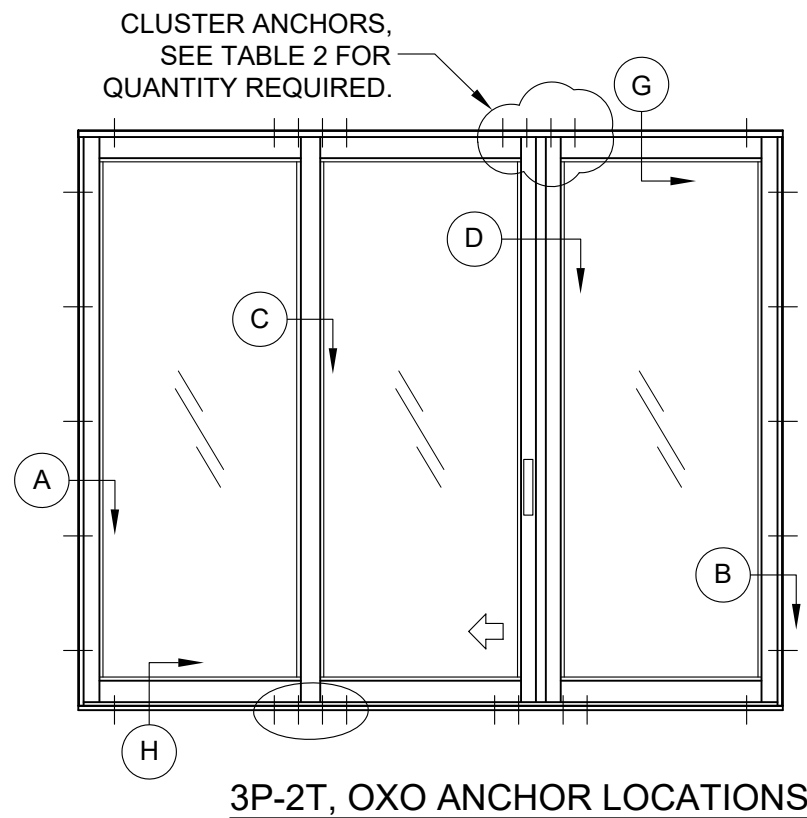
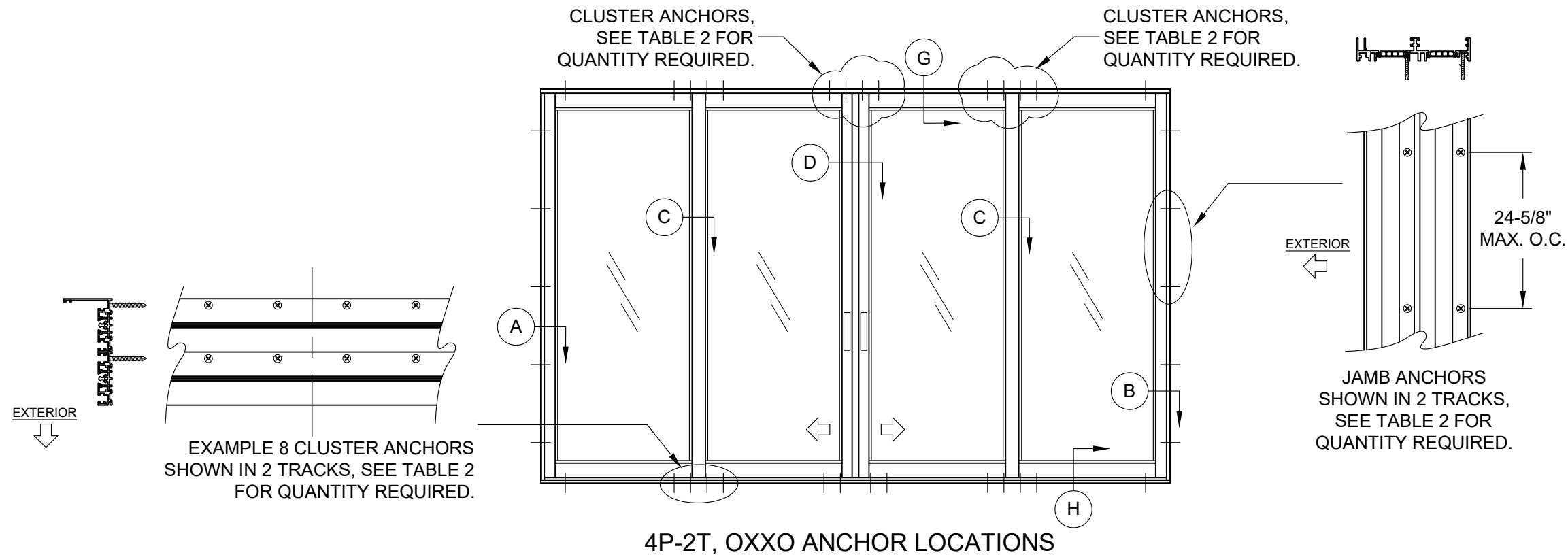


TABLE 1:

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.

WESTERN

ARCHITECTURAL OPENINGS

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By
LOGAN YODER

Date
07/23/26

2 OF 6

SGD7650

SGD7650-LM

Series
SGD7650

Desc.
ELEVATIONS

Title
TB SLIDING GLASS DOOR (LM)

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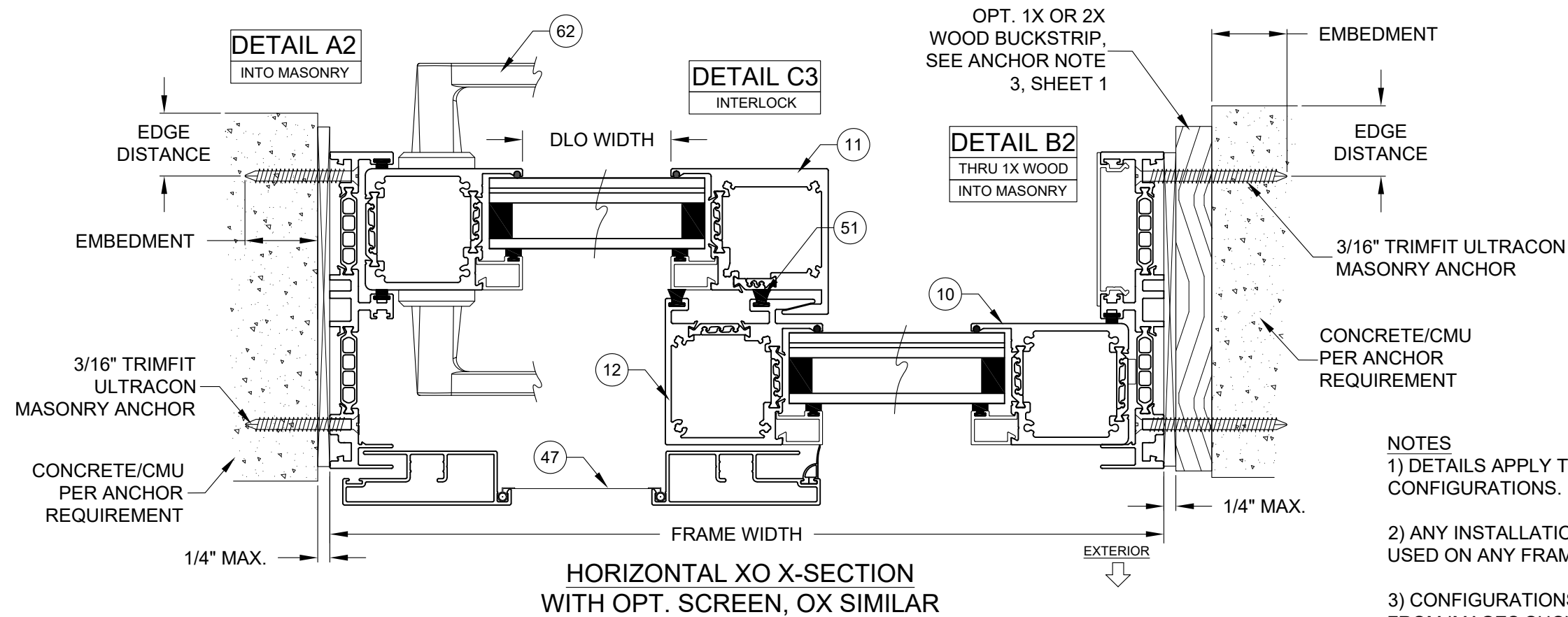
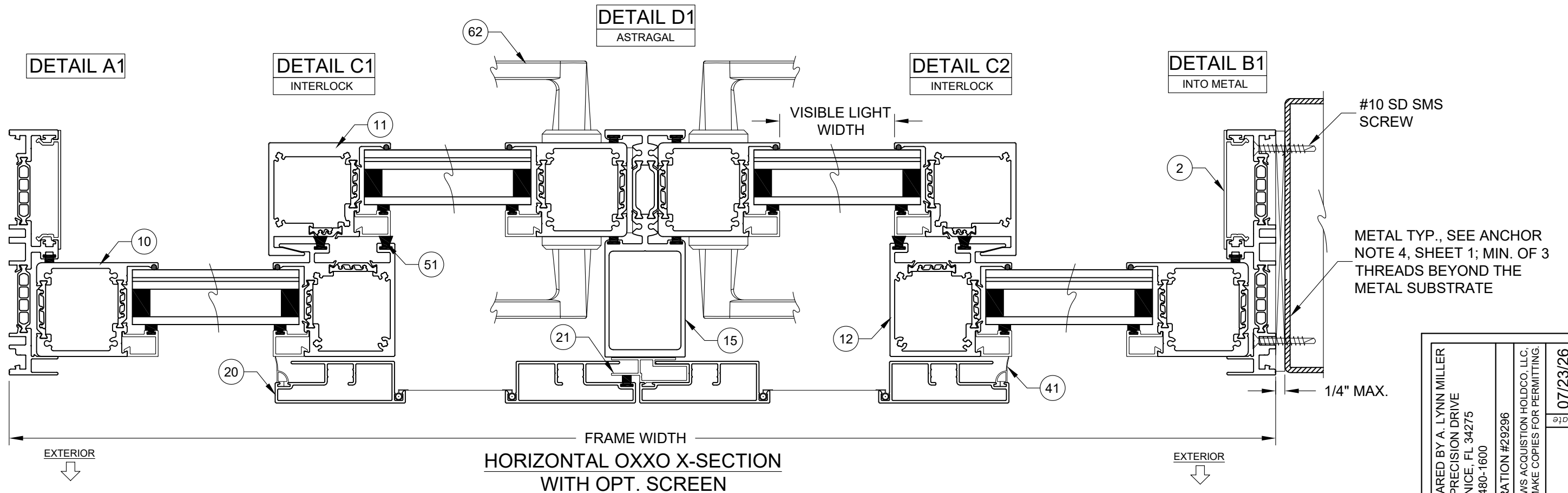
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07/23/26

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



- NOTES**
- 1) DETAILS APPLY TO ALL TRACK CONFIGURATIONS.
 - 2) ANY INSTALLATION METHOD MAY BE USED ON ANY FRAME MEMBER.
 - 3) CONFIGURATIONS MAY BE MIRRORED FROM IMAGES SHOWN.

WESTERN ARCHITECTURAL OPENINGS 2200 E RIVERVIEW DR PHOENIX, AZ 85034 (877) 268-1300		PREPARED BY A. LYNN MILLER 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296 COPYRIGHT © 2026 WWS ACQUISITION HOLDCO, LLC. LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	07/23/26 Date	By LOGAN YODER	No. SGD7650-LM
TB SLIDING GLASS DOOR (LM) INSTALLATION 2		4 OF 6 Sheet		07/23/26 Date		SGD7650-LM	

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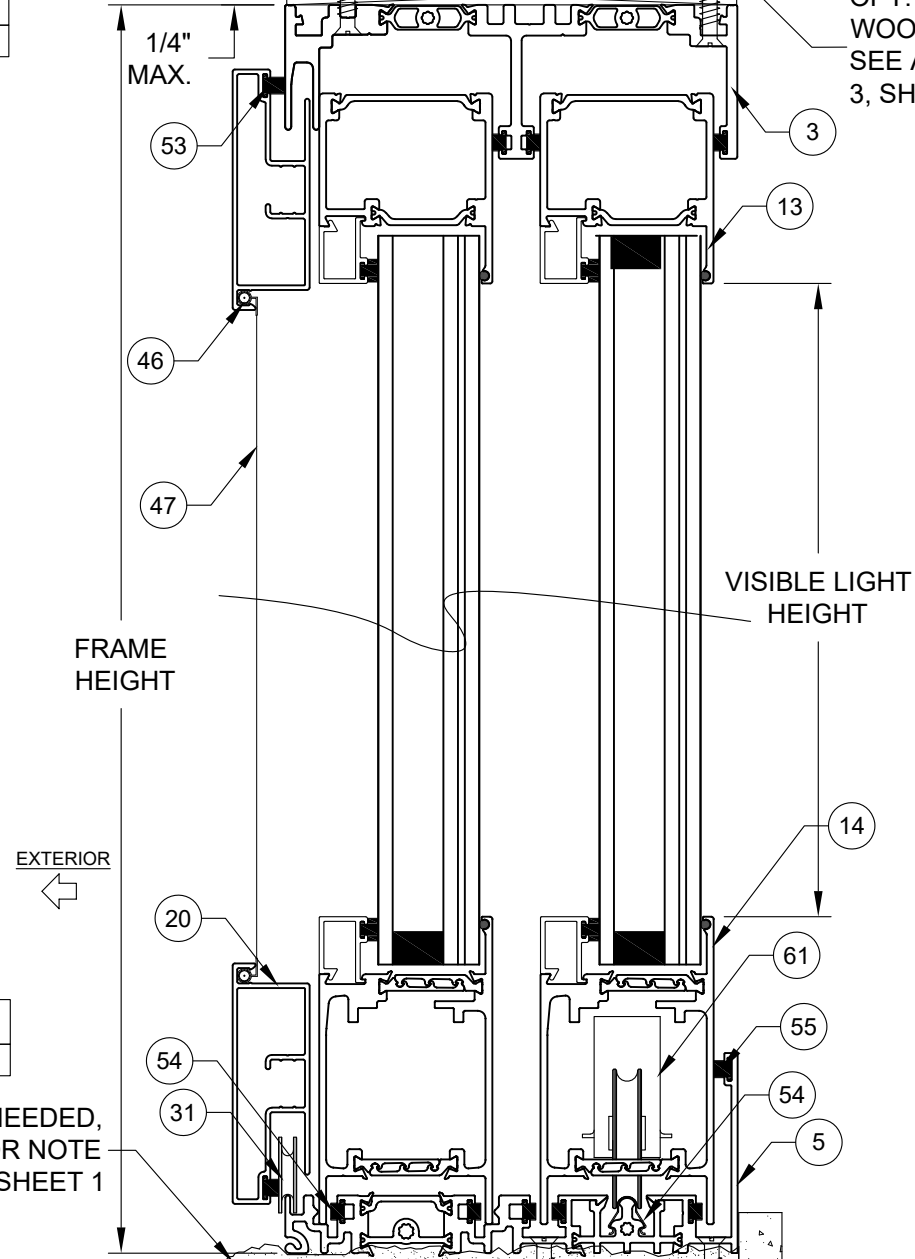
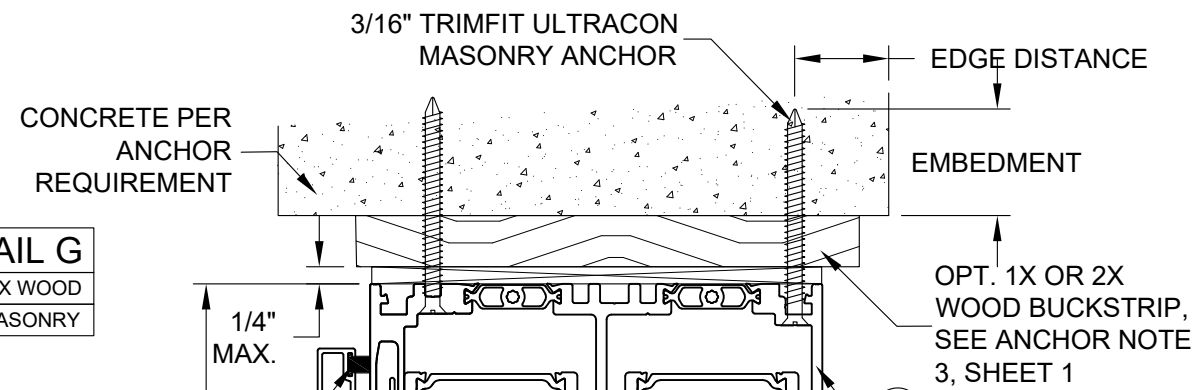
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P.E.# 58705

Rev. #	
Date	
Rev.	

DETAIL G

THRU 1X WOOD

INTO MASONRY



DETAIL H

INTO MASONRY

GROUT AS NEEDED,
SEE ANCHOR NOTE
5, SHEET 1

CONCRETE PER
ANCHOR
REQUIREMENT

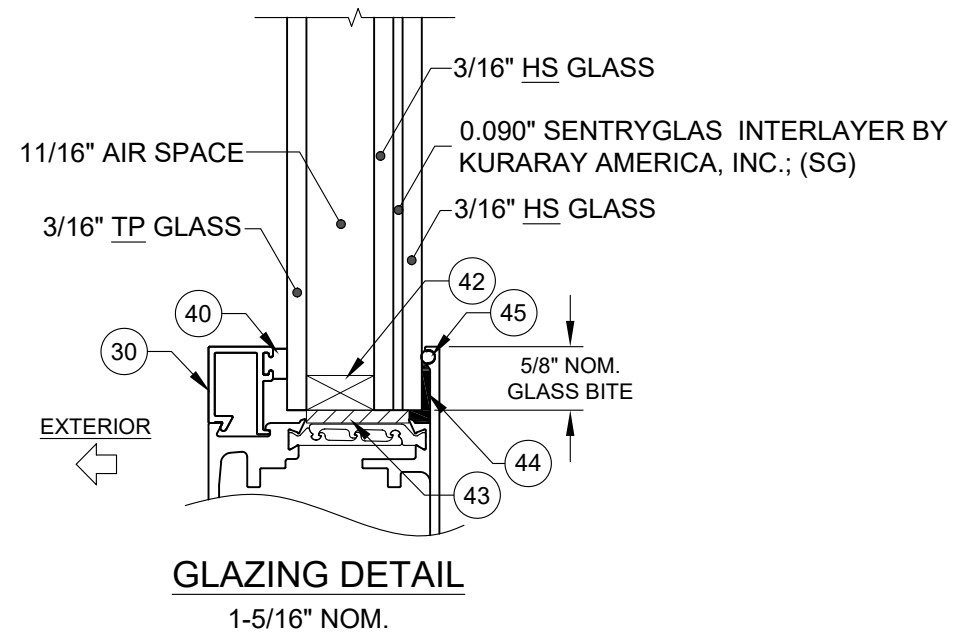
VERTICAL OX X-SECTION

WITH OPT. SCREEN

EMBEDMENT

EDGE DISTANCE

3/16" TRIMFIT ULTRACON
MASONRY ANCHOR



NOTES

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

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

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	INSTALLATION 3 & GLAZING		5 OF 6		SGD7650-LM	
	SGD7650		5 OF 6		SGD7650-LM	

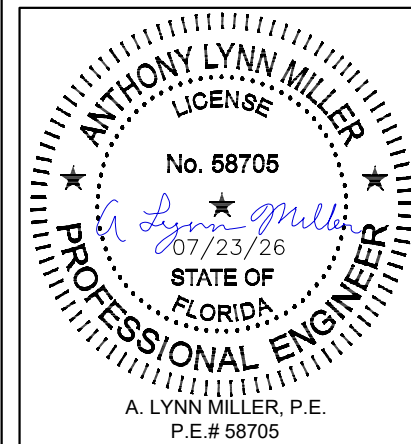
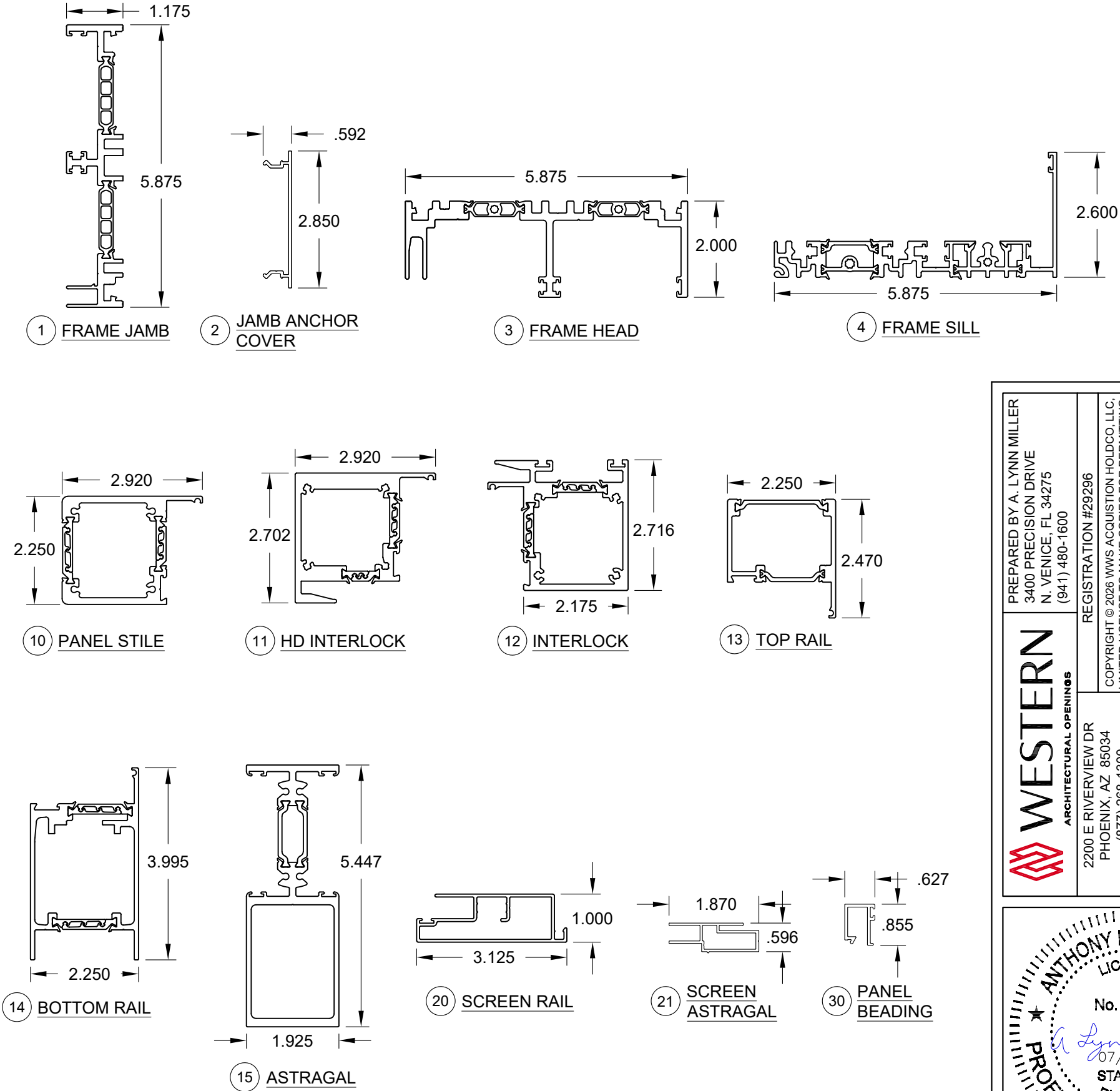


TABLE 3:

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.
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.
20	Screen Rail	6063 T5 Alum.
21	Screen Astragal Adapter	6063 T5 Alum.
30	Panel Beading	6063 T5 Alum.
31	Screen Roller	6063 T5 Alum.
40	Panel Beading Gasket	Vinyl
41	Screen Flap Gasket	Vinyl
42	IG Spacer	Varies
43	Setting Block	EPDM
44	Silicone Backbedding	Dow-791, 983 or 995
45	Glazing Leg Chord	EPDM
46	Screen Spline	Vinyl
47	Screen Cloth	Fiberglass
50	Jamb Woolpile	
51	Interlock Woolpile	
52	Astragal Woolpile	
53	Screen Stile Woolpile	
54	Track Woolpile	
55	Sill Riser 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



WESTERN
ARCHITECTURAL OPENINGS

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Date 07/23/26

Series Desc. Title

BOM & EXTRUSIONS

TB SLIDING GLASS DOOR (LM)

Sheet 6 OF 6

DWG No. SGD7650-LM

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