



# Testing Evaluation Laboratories, Inc.

2002 Wood Court Suite 1 – Plant City, FL 33563

Phone: 813-754-9887

***TAS 202-94, TAS 201-94 and TAS 203-94***

## **TEST RESULTS**

IAS Lab Accreditation Number: TL-299

Report No:

TEL 01993776

Test Dates:

November 16, 2022  
through October 2, 2023

Report Date:

October 21, 2023

Record Retention End Date:

October 21, 2033

Issued to:

Fleetwood Windows and Doors

1 Fleetwood Way

Corona, CA 92879

**Project Summary:** Testing Evaluation Laboratories, Inc. (TEL) was contracted by Fleetwood Windows and Doors to perform tests on the EDGE Series Sliding Glass Door at TEL's Plant City, FL test facility.

Test specimen descriptions and results are reported herein.

**Test Specifications:** The test specimens were evaluated in accordance with the following:

*High Velocity Hurricane Zone Protocols TAS 202-94, TAS 201-94 and TAS 203-94*

<b>Series / Model:</b>	EDGE Series Sliding Glass Door
<b>Type:</b>	Impact Resistant Aluminum Sliding Glass Doors
<b>Overall Size:</b>	179.94" x 120.00" – XXX – All Specimens
<b>Daylight Opening:</b>	58.19" x 113.44" – All Panels – All Specimens
<b>Sash Size:</b>	60.19" x 115.81" – All Specimens
<b>Glazing Detail:</b>	(See attached drawings #L-9826, #9826a and #L-9826b for details.)
<b>Frame Material:</b>	Aluminum
<b>Finish:</b>	Mill Finish

**For Tested Elevation, Vertical Cross Sections, Horizontal Cross Sections, Components, Frame Anchoring, Glazing Detail and Bill of Materials See Attached Drawing #L-9826, #L-9826a and #L-9826b.**

**STRUCTURAL TESTS (TAS 202)**

**Specimen 1 – 179.94" x 120.00"– Aluminum Sliding Glass Door (XXX)**

Air Infiltration (ASTM E283-04)	Pressure 1.57 PSF	SCFM/Ft <sup>2</sup> 0.065	Result Pass
Air Infiltration (ASTM E283-04)	Pressure 6.24 PSF	SCFM/Ft <sup>2</sup> 0.196	Result Pass
Air Exfiltration (ASTM E283-04)	Pressure 1.57 PSF	SCFM/Ft <sup>2</sup> 0.065	Result Pass
Air Exfiltration (ASTM E283-04)	Pressure 6.24 PSF	SCFM/Ft <sup>2</sup> 0.119	Result Pass
Water Infiltration (ASTM E331-00)	Pressure 9.75 PSF*	Time 15.0 Min.	Result Pass

*\*Water testing performed without sill riser. See Specimen 2 of this report for additional water test results.*

Christian Seifried, Test Technician

**STRUCTURAL TESTS (TAS 202)**

**Specimen 2 - 179.94" x 120.00"– Aluminum Sliding Glass Door (XXX)**

**Design Pressure            Positive 75.0    Negative 75.0**

Air Infiltration (ASTM E283-04)

*See Specimen 1, this report, for these results.*

Structural Loads (ASTM E330-14)

<b>Range</b>	<b>Time (sec)</b>	<b>Load (psf)</b>
Half Test Positive	30	37.50
Design Positive	30	75.00
Half Test Negative	30	37.50
Design Negative	30	75.00

Water Infiltration (ASTM E331-00)	Pressure	Time	Result
(With 7/8" Sill Riser)	11.25 PSF*	15.0 Min.	Pass

*\*See Specimen 1, this report, for additional water testing results.)*

**Note #1: Water Infiltration performed after Positive and Negative half and design loads.**

Structural Loads (ASTM E330-14)

<b>Range</b>	<b>Time (sec)</b>	<b>Load (psf)</b>	<b>Location</b>	<b>Deflection</b>	<b>Set</b>	<b>Allowable (Set)</b>
Half Proof Positive	10	56.25				
Test Positive	30	112.50	1	1.979"	0.130"	0.464"
			2	0.503"	0.193"	0.241"
Half Proof Negative	10	56.25				
Test Negative	30	112.50	1	2.303"	0.257"	0.464"
			2	0.754"	0.219"	0.241"

**Deflection Locations:**

*Deflection/Set for Location 1 measured at center of interlock.*

*Deflection/Set for Location 2 measured at center of top rail of panel.*

**Forced Entry**

ASTM F842            Type "A" Assembly            Passed

**Conclusion:** TEL observed no signs of failure in any area of this test specimen during the Uniform Static Load Test. In addition, specimen met the permanent set requirements. Therefore, this specimen satisfies the uniform static load test requirements of TAS 202-94.

Christian Seifried, Test Technician

**STRUCTURAL TESTS (TAS 202)**

**Specimen 3 - 179.94" x 120.00"— Aluminum Sliding Glass Door (XXX)**

**Design Pressure            Positive 75.0    Negative 75.0**

Air Infiltration (ASTM E283-04)

*See Specimen 1, this report, for these results.*

Structural Loads (ASTM E330-14)

<b>Range</b>	<b>Time (sec)</b>	<b>Load (psf)</b>
Half Test Positive	30	37.50
Design Positive	30	75.00
Half Test Negative	30	37.50
Design Negative	30	75.00

Water Infiltration (ASTM E331-00)

*See Specimens 1 and 2, this report, for these results.*

Structural Loads (ASTM E330-14)

<b>Range</b>	<b>Time (sec)</b>	<b>Load (psf)</b>	<b>Location</b>	<b>Deflection</b>	<b>Set</b>	<b>Allowable (Set)</b>
Half Proof Positive	10	56.25				
Test Positive	30	112.50	1	1.912"	0.191"	0.464"
			2	0.541"	0.139"	0.241"
Half Proof Negative	10	56.25				
Test Negative	30	112.50	1	2.325"	0.159"	0.464"
			2	1.069"	0.21"	0.241"

***Deflection Locations:***

***Deflection/Set for Location 1 measured at center of interlock.***

***Deflection/Set for Location 2 measured at center of top rail of panel.***

**Forced Entry**

ASTM F842            Type "A" Assembly            Passed

**Conclusion:** TEL observed no signs of failure in any area of this test specimen during the Uniform Static Load Test. In addition, specimen met the permanent set requirements. Therefore, this specimen satisfies the uniform static load test requirements of TAS 202-94.

Christian Seifried, Test Technician

## IMPACT AND CYCLING TESTS (TAS 201/203)

### Specimen 2a – 179.94" x 120.00" – Aluminum Sliding Glass Door (XXX)

#### TAS 201 and 203 – Large Missile Impact (2 x 4 Southern Yellow Pine)

Cond. Temp Of Specimen	Missile Level	Missile Weight	Missile Length	Muzzle Distance From Specimen
76°F	D	9.0 lbs, 2 oz	7'-10"	17'2"

Impact Location	Results	X - Measurement	Y - Measurement	Speed
1	Pass	150.00"	59.00"	49.8 fps
2	Pass	129.50"	12.00"	49.7 fps
3	Pass	120.25"	57.25"	50.1 fps
Orientation of Missile at Impact was within +/-5° of horizontal. None of the impacts penetrated the specimens. "X" measurement is from the left edge of test specimen. "Y" measurement is from the bottom edge of test specimen.				

#### TAS 201 and 203 – Fatigue Load Cycling      Design Pressure +75.0 psf / -75.0 psf

Positive % of Test Load	Positive Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
20% to 50%	15.0 to 37.5	3500	2.35
0% to 60%	0.0 to 45.0	300	2.97
50% to 80%	37.5 to 60.0	600	1.65
30% to 100%*	22.5 to 75.0	100	2.49

Negative % of Test Load	Negative Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
30% to 100%*	22.5 to 75.0	50	2.98
50% to 80%	37.5 to 60.0	1050	1.37
0% to 60%	0.0 to 45.0	50	2.64
20% to 50%	15.0 to 37.5	3350	1.45
*Panel deflected 4.25" from original plane at 100% Positive load and 5.50" from original plane at 100% Negative load. At the completion of cycles the door panel was operable. There were no tears in the film. In our opinion, the tape and film used to seal for air leakage did not influence the results of the test.			

Christian Seifried, Test Technician

Mfg Observers – None

## IMPACT AND CYCLING TESTS (TAS 201/203)

### Specimen 2b – 179.94" x 120.00"– Aluminum Sliding Glass Door (XXX)

#### TAS 201 and 203 – Large Missile Impact (2 x 4 Southern Yellow Pine)

Cond. Temp Of Specimen	Missile Level	Missile Weight	Missile Length	Muzzle Distance From Specimen
76°F	D	9.0 lbs, 2 oz	7'-10"	17'2"

Impact Location	Results	X - Measurement	Y - Measurement	Speed
1	Pass	150.00"	59.50"	50.3 fps
2	Pass	128.50"	9.50"	50.3 fps
3	Pass	121.50"	57.00"	50.2 fps
Orientation of Missile at Impact was within +/-5° of horizontal. None of the impacts penetrated the specimens. "X" measurement is from the left edge of test specimen. "Y" measurement is from the bottom edge of test specimen.				

#### TAS 201 and 203– Fatigue Load Cycling      Design Pressure +75.0 psf / -75.0 psf

Positive % of Test Load	Positive Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
20% to 50%	15.0 to 37.5	3500	2.17
0% to 60%	0.0 to 45.0	300	2.85
50% to 80%	37.5 to 60.0	600	1.79
30% to 100%*	22.5 to 75.0	100	2.98

Negative % of Test Load	Negative Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
30% to 100%*	22.5 to 75.0	50	2.95
50% to 80%	37.5 to 60.0	1050	2.02
0% to 60%	0.0 to 45.0	50	2.41
20% to 50%	15.0 to 37.5	3350	1.98
*Panel deflected 3.75" from original plane at 100% Positive load and 4.75" from original plane at 100% Negative load. At the completion of cycles the door panel was operable. There were no tears in the film. In our opinion, the tape and film used to seal for air leakage did not influence the results of the test.			

## IMPACT AND CYCLING TESTS (TAS 201/203)

### Specimen 2c – 179.94" x 120.00"– Aluminum Sliding Glass Door (XXX)

#### TAS 201 and 203 – Large Missile Impact (2 x 4 Southern Yellow Pine)

Cond. Temp Of Specimen	Missile Level	Missile Weight	Missile Length	Muzzle Distance From Specimen
76°F	D	9.0 lbs, 2 oz	7'-10"	17'2"

Impact Location	Results	X - Measurement	Y - Measurement	Speed
1	Pass	149.50"	60.00"	49.8 fps
2	Pass	172.50"	110.00"	50.3 fps
3	Pass	120.00"	57.00"	50.3 fps
Orientation of Missile at Impact was within +/-5° of horizontal. None of the impacts penetrated the specimens. "X" measurement is from the left edge of test specimen. "Y" measurement is from the bottom edge of test specimen.				

#### TAS 201 and 203– Fatigue Load Cycling Design Pressure +75.0 psf / -75.0 psf

Positive % of Test Load	Positive Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
20% to 50%	15.0 to 37.5	3500	2.00
0% to 60%	0.0 to 45.0	300	2.40
50% to 80%	37.5 to 60.0	600	1.99
30% to 100%*	22.5 to 75.0	100	2.93

Negative % of Test Load	Negative Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
30% to 100%*	22.5 to 75.0	50	2.81
50% to 80%	37.5 to 60.0	1050	1.45
0% to 60%	0.0 to 45.0	50	2.41
20% to 50%	15.0 to 37.5	3350	2.08
*Panel deflected 3.75" from original plane at 100% Positive load and 4.00" from original plane at 100% Negative load. At the completion of cycles the door panel was operable. There were no tears in the film. In our opinion, the tape and film used to seal for air leakage did not influence the results of the test.			

## IMPACT AND CYCLING TESTS (TAS 201/203)

### Specimen 3a – 179.94" x 120.00" – Aluminum Sliding Glass Door (XXX)

#### TAS 201 and 203 – Large Missile Impact (2 x 4 Southern Yellow Pine)

Cond. Temp Of Specimen	Missile Level	Missile Weight	Missile Length	Muzzle Distance From Specimen
76°F	D	9.0 lbs, 2 oz	7'-10"	17'2"

Impact Location	Results	X - Measurement	Y - Measurement	Speed
1	Pass	149.00"	59.00"	49.6 fps
2	Pass	126.00"	11.00"	49.8 fps
3	Pass	119.25"	57.00"	49.9 fps
Orientation of Missile at Impact was within +/-5° of horizontal. None of the impacts penetrated the specimens. "X" measurement is from the left edge of test specimen. "Y" measurement is from the bottom edge of test specimen.				

#### TAS 201 and 203 – Fatigue Load Cycling      Design Pressure +75.0 psf / -75.0 psf

Positive % of Test Load	Positive Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
20% to 50%	15.0 to 37.5	3500	2.25
0% to 60%	0.0 to 45.0	300	2.50
50% to 80%	37.5 to 60.0	600	1.96
30% to 100%*	22.5 to 75.0	100	2.74

Negative % of Test Load	Negative Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
30% to 100%*	22.5 to 75.0	50	2.98
50% to 80%	37.5 to 60.0	1050	1.82
0% to 60%	0.0 to 45.0	50	2.75
20% to 50%	15.0 to 37.5	3350	2.05

\*Panel deflected 4.75" from original plane at 100% Positive load and 5.63" from original plane at 100% Negative load. At the completion of cycles the door panel was operable. There were no tears in the film. In our opinion, the tape and film used to seal for air leakage did not influence the results of the test.



**General Note:**

Tape and film were used to seal against air leakage during structural testing and fatigue loading and cycling. In our opinion, the tape and film did not influence the results of the tests.

**Drawing Reference:**

The test specimen drawings have been reviewed by TEL and are representative of the test specimens reported herein.

**Conditions, Terms, and General Notes Regarding These Tests**

The product tested Has Been compared to the detailed drawing, bill of materials and fabrication information supplied by the client so named herein. Our analysis, which includes dimensional and component description comparisons, indicate the tested product and engineering information supplied by the client "Are Equivalent".

The report and representative samples will be retained for four years from the date of initial test.

These test results were obtained by employing all requirements of the designated test methods with no Deviations unless explicitly noted in test report. The test results and specimen supplied for testing are in compliance with the reference.

The test results are specific to the product tested by this laboratory and of the sample supplied by the client named herein, and they relate to no other product either manufactured by the client, a fabricator of the client or of installed field performance.

This test report does not constitute certification of this product, but only that the above test results were obtained using the designated test methods and they indicate compliance with the performance requirements (paragraphs as listed) of the above referenced specifications.

Testing Evaluation Laboratories, Inc. makes no opinions or endorsements regarding this product and its performance. This report may not be reproduced or quoted in partial form without the expressed written approval of Testing Evaluation Laboratories, Inc.

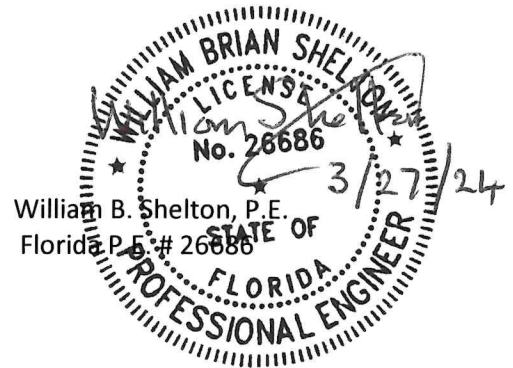
Testing Evaluation Laboratories, Inc.'s letter, reports, its name or insignia or mark are for the exclusive use of the client so named herein and any other use is strictly prohibited. The report, letters and the name of Testing Evaluation Laboratories, Inc., its seal or mark shall not be used in any circumstance to the general public or in any advertising.

Limitation of liability: Due diligence was used in performing the tests and reporting the results. By acceptance of this report, this client agrees to hold harmless and indemnify Testing Evaluation Laboratories, Inc., its employees, sub-contractors and officers and owners against all claims and demands of any kind whatsoever, which arise out of or in any manner connected with the performance of work referred to herein.

Testing Evaluation Laboratories, Inc.

*Vivian K. Wright*

Vivian K. Wright,  
President



**Revision Log**

Rev No.	Date	Page(s)	Revision(s)
0	10/21/2023	NA	Original Report Issue

**TABLE OF CONTENTS**

SHEET #	DESCRIPTION
1	Table of Contents
2	Test Elevation
3	Horizontal Cross Section
4	Horizontal Cross Section
5	Vertical Cross Section
6	Vertical Cross Section
7	Frame Anchoring
8	Components
9	Bill of Materials & Glazing Detail

Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01993776  
 Date 4/06/2023 Verified by VKW

PRODUCT: FLEETWOOD  
 EDGE SLIDING GLASS DOOR  
 SEPC #1

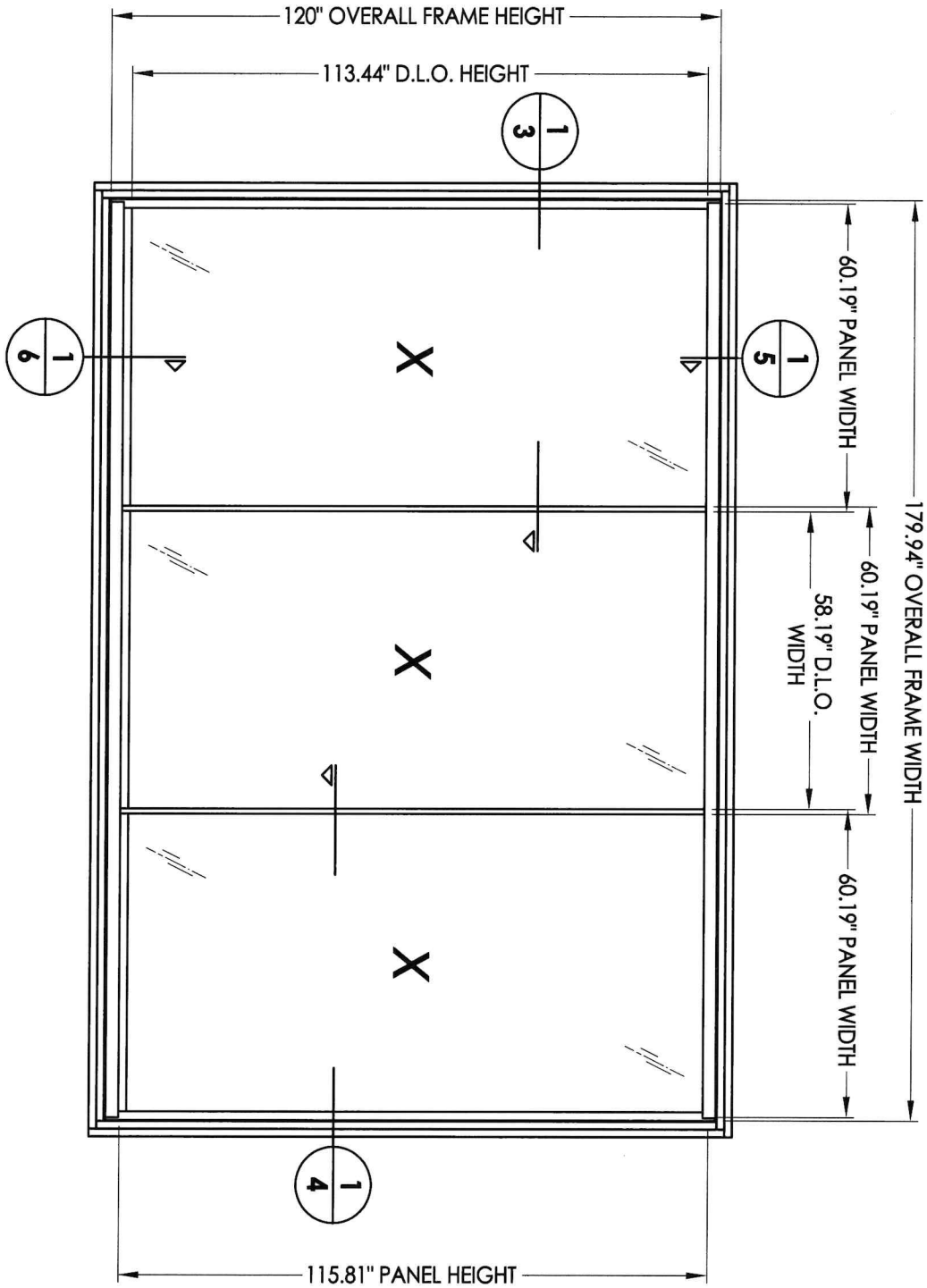
PART OR ASSEMBLY:  
 TABLE OF CONTENTS

NO.	DATE	BY


REVISIONS

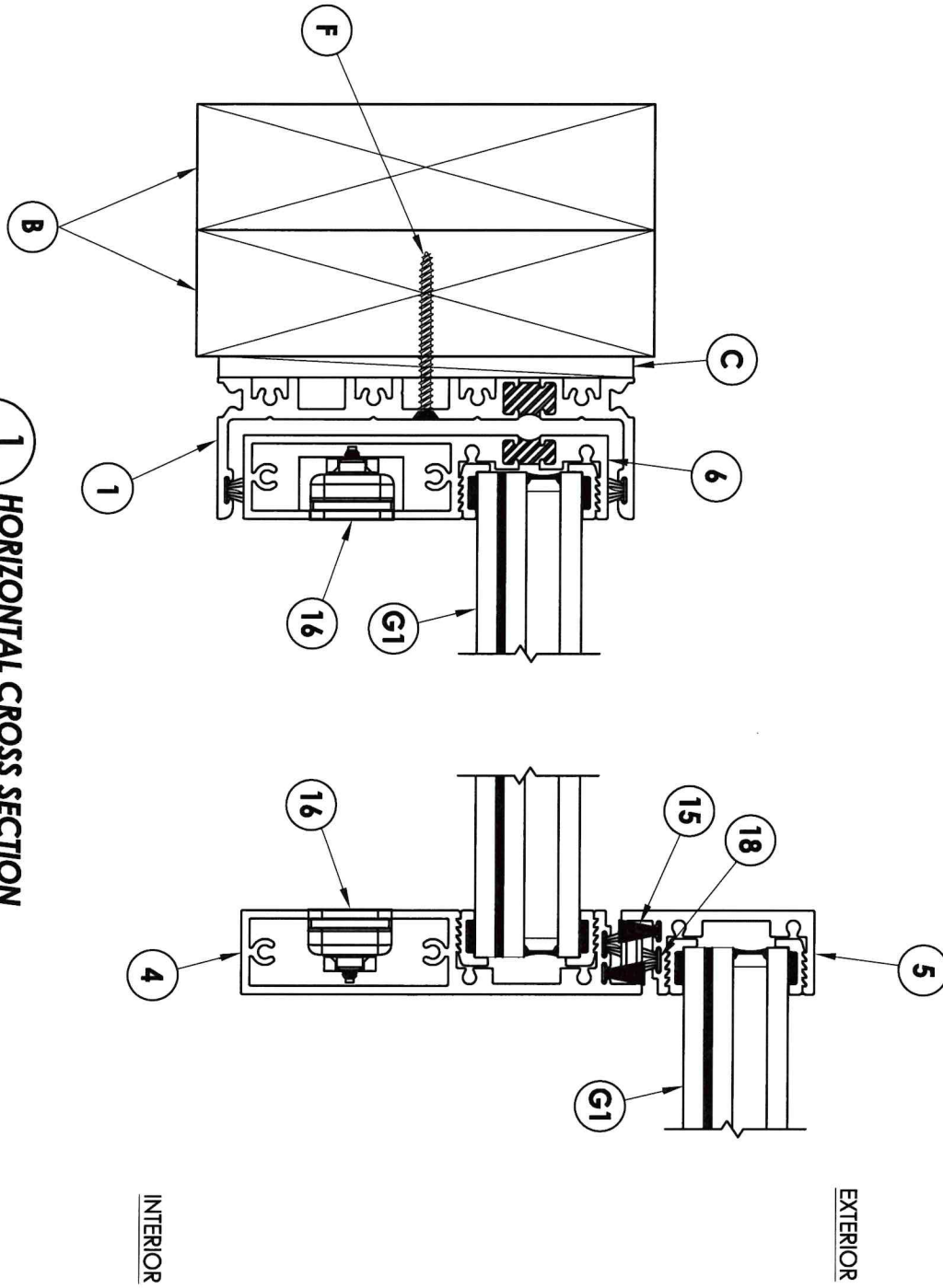


DATE: 4/04/23  
 SCALE: N.T.S.  
 DWG. BY: LFS  
 CHK. BY: RW  
 DRAWING NO.: L-9826  
 SHEET 1 OF 9



Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01993776  
 Date 4/06/2023 Verified by MKW

 R.W. BUILDING CONSULTANTS, INC. 813.659.9197		PRODUCT: FLEETWOOD EDGE SLIDING GLASS DOOR	
DATE: 4/04/23 SCALE: N.T.S. DWG. BY: LFS CHK. BY: RW DRAWING NO.: L-9826		PART OR ASSEMBLY: TEST ELEVATION	
NO.	DATE	BY	REVISIONS



1 3 HORIZONTAL CROSS SECTION

Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01993776  
 Date 4/06/2023 Verified by VKW

PRODUCT:  
 FLEETWOOD  
 EDGE SLIDING GLASS DOOR

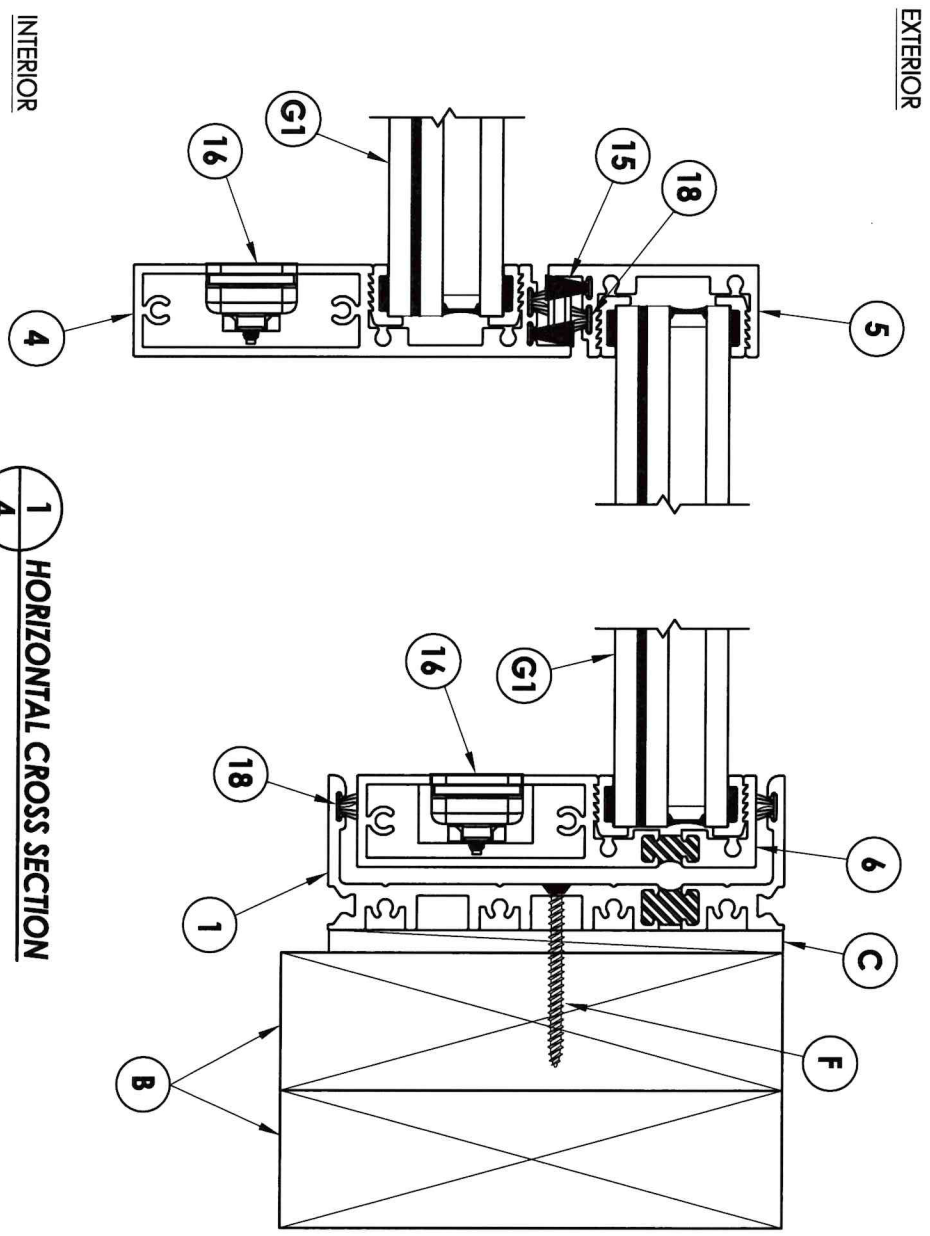
PART OR ASSEMBLY:  
 HORIZONTAL CROSS SECTION

NO.	DATE	BY


REVISIONS

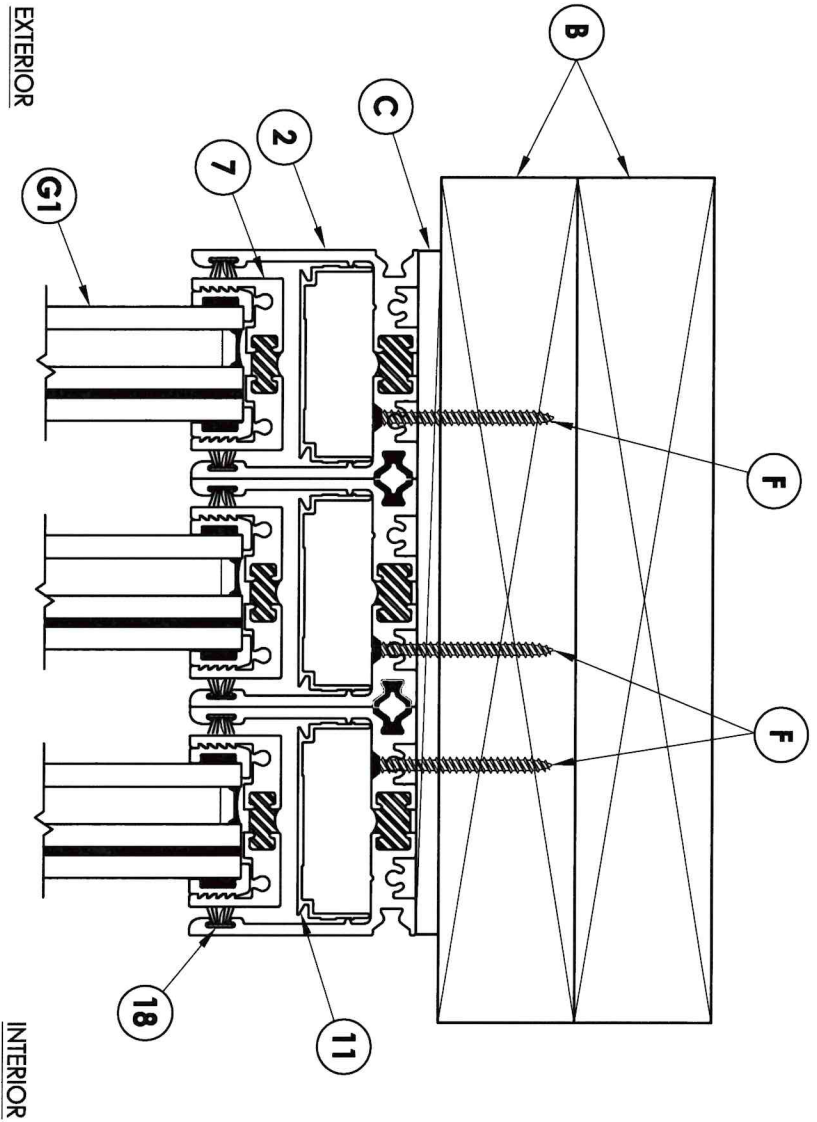
**R<sub>W</sub>** BUILDING CONSULTANTS, INC.  
 813.659.9197

DATE: 4/04/23  
 SCALE: N.T.S.  
 DWG. BY: LFS  
 CHK. BY: RW  
 DRAWING NO.: L-9826  
 SHEET 3 OF 9




Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01993776  
 Date 4/06/2023 Verified by VKW

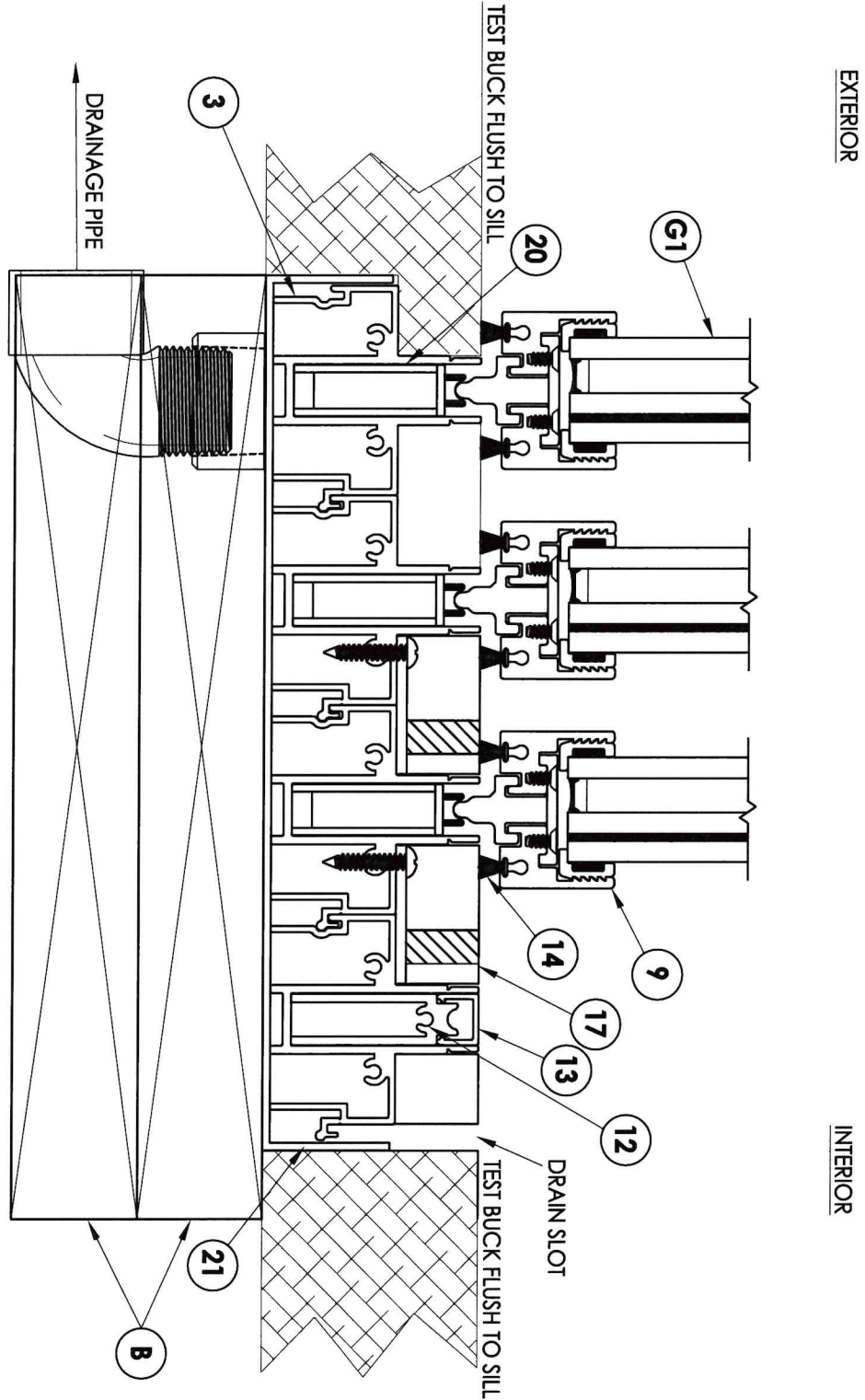
 BUILDING CONSULTANTS, INC. 813.659.9197		PRODUCT: FLEETWOOD EDGE SLIDING GLASS DOOR	
		PART OR ASSEMBLY: HORIZONTAL CROSS SECTION	
NO.	DATE	BY	
REVISIONS			
DATE: 4/04/23			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: L-9826			
SHEET 4 OF 9			



1  
5 VERTICAL CROSS SECTION

Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01993776  
 Date 4/06/2023 Verified by VKW

		PRODUCT: FLEETWOOD EDGE SLIDING GLASS DOOR	
DATE: 4/04/23 SCALE: N.T.S. DWG. BY: LFS CHK. BY: RW DRAWING NO.: L-9826		PART OR ASSEMBLY: VERTICAL CROSS SECTION	
NO.	DATE	BY	REVISIONS




EXTERIOR

INTERIOR

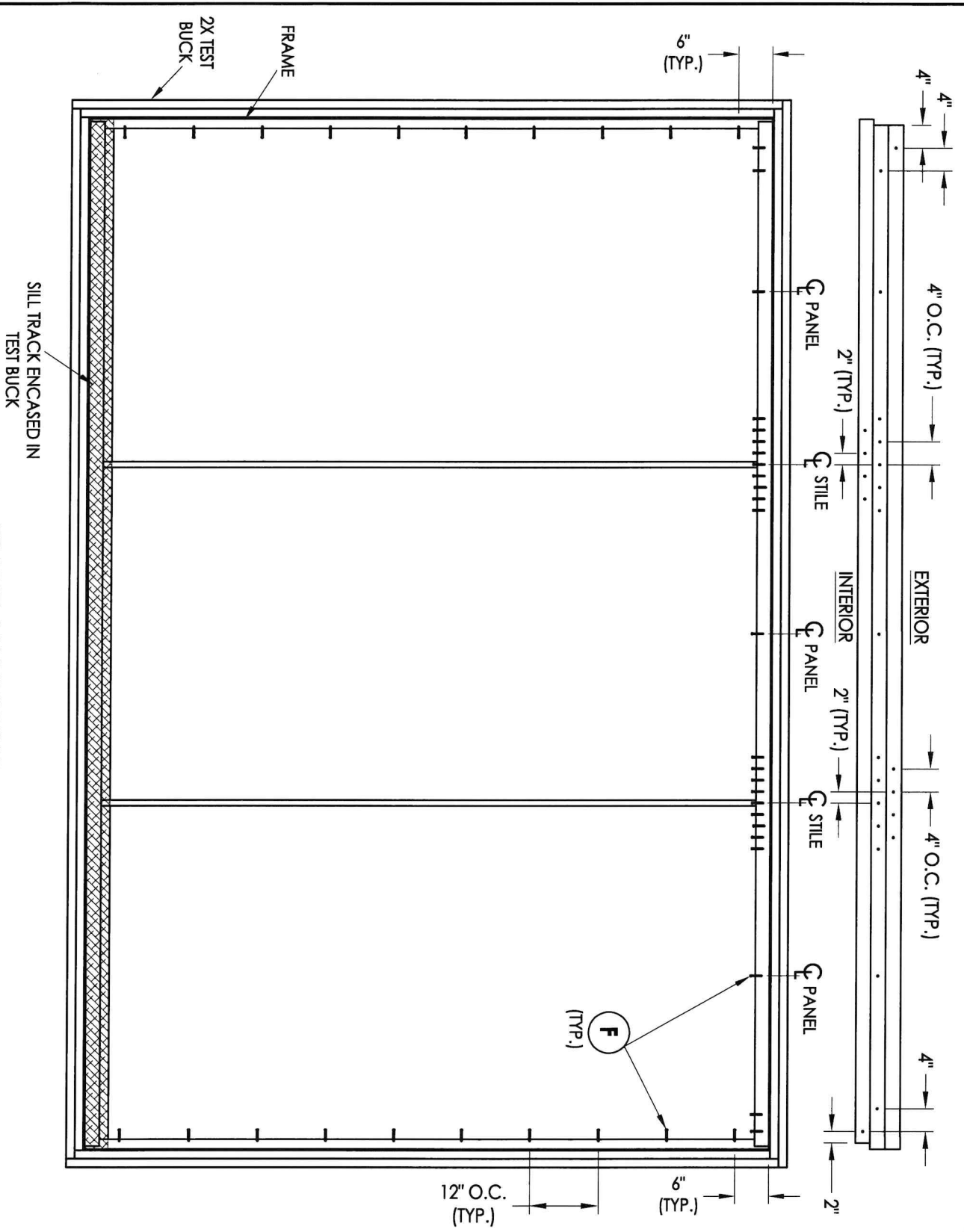
1  
6  
**VERTICAL CROSS SECTION**

Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01993776  
 Date 4/06/2023 Verified by VKW

PRODUCT:		FLEETWOOD EDGE SLIDING GLASS DOOR	
PART OR ASSEMBLY:		VERTICAL CROSS SECTION	
NO.	DATE	BY	
REVISIONS			

 BUILDING CONSULTANTS, INC. 813.659.9197			
DATE:	4/04/23		
SCALE:	N.T.S.		
DWG. BY:	LFS		
CHK. BY:	RW		
DRAWING NO.:	L-9826		
SHEET	6	OF	9



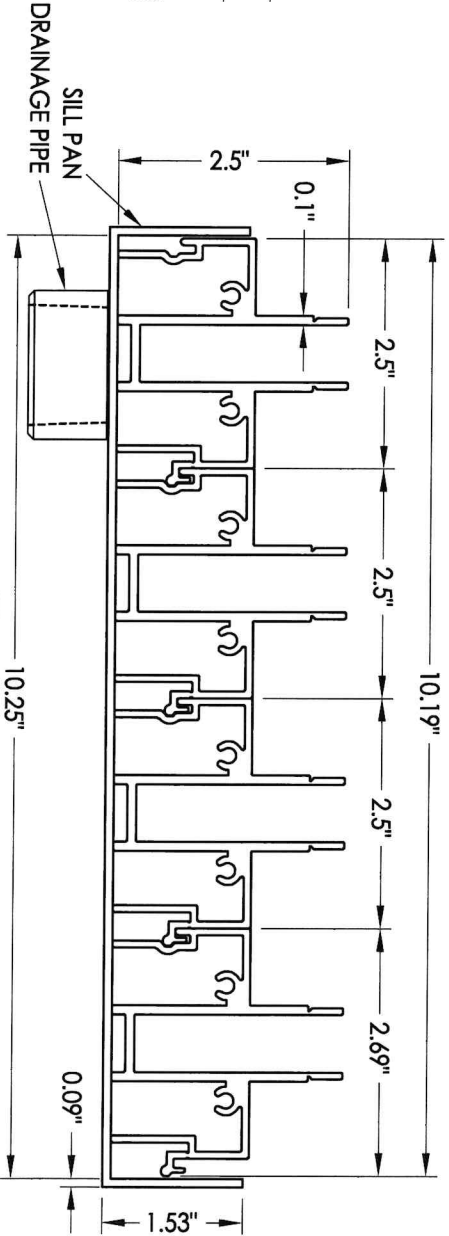
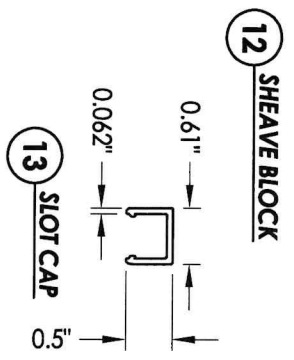
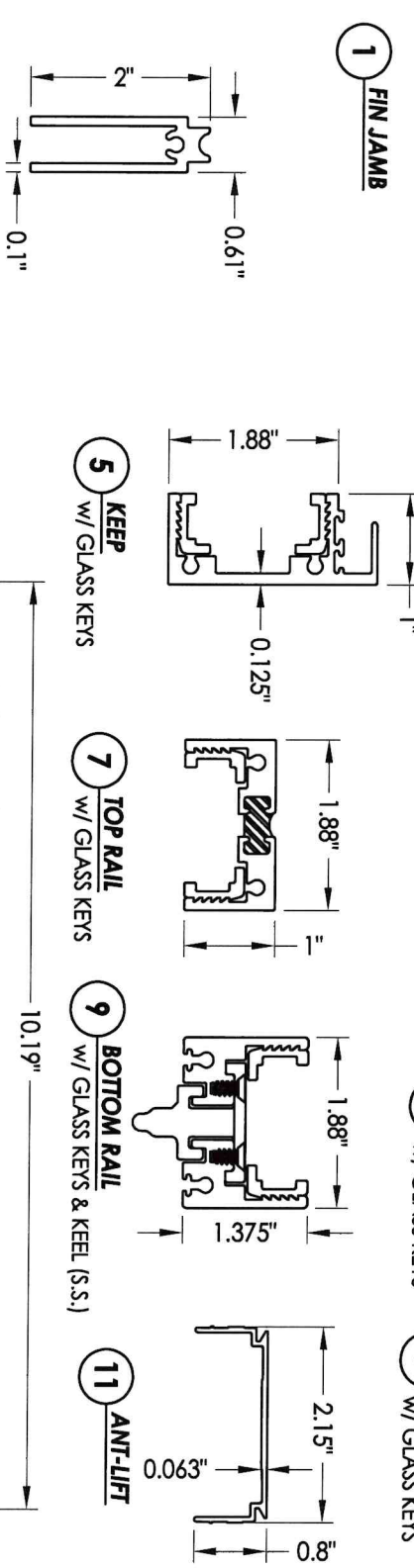
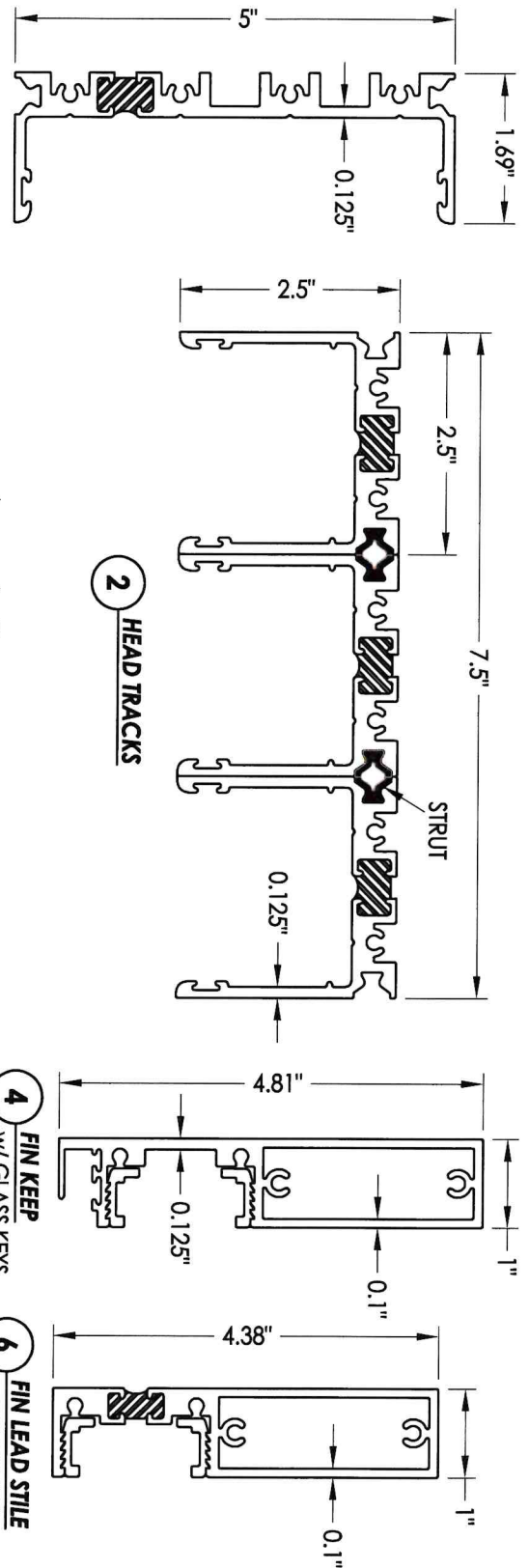


Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01993776  
 Date 4/06/2023 Verified by VKW

**FRAME ANCHORING**  
 2X TEST BUCK

DATE: 4/04/23		PRODUCT: FLEETWOOD EDGE SLIDING GLASS DOOR	
SCALE: N.T.S.		PART OR ASSEMBLY: FRAME ANCHORING	
DWG. BY: LFS		BY	
CHK. BY: RW		NO. DATE REVISIONS	
DRAWING NO.: L-9826			
SHEET 7 OF 9			

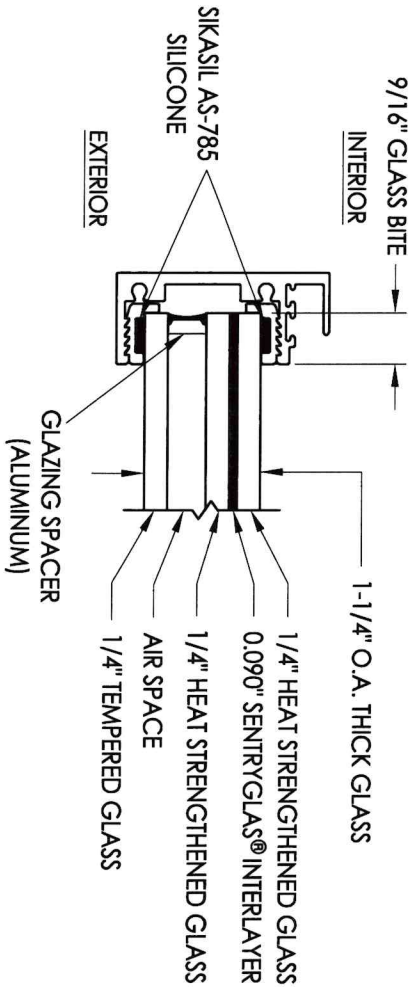
**R<sup>W</sup>** BUILDING CONSULTANTS, INC.  
 813.659.9197



Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01993776  
 Date 4/06/2023 Verified by VKW

DATE: 4/04/23		 R.W. BUILDING CONSULTANTS, INC. 813.659.9197	PRODUCT: FLEETWOOD EDGE SLIDING GLASS DOOR		
SCALE: N.T.S.			PART OR ASSEMBLY: COMPONENTS		
DWG. BY: LFS		NO.	DATE	REVISIONS	BY
CHK. BY: RW					
DRAWING NO.: L-9826		SHEET 8 OF 9			

BILL OF MATERIALS		MATERIAL
ITEM #	DESCRIPTION	
B	2X TEST BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
F	#10 X 2" FH WOOD SCREW	STEEL
1	FIN JAMB	6063-T6 ALUM
2	HEAD TRACKS	6063-T6 ALUM
3	SILL TRACKS	6063-T6 ALUM
4	FIN KEEP	6063-T6 ALUM
5	KEEP	6063-T6 ALUM
6	FIN LEAD STILE	6063-T6 ALUM
7	TOP RAIL	6063-T6 ALUM
9	BOTTOM RAIL	6063-T6 ALUM
11	ANTI-LIFT	6063-T6 ALUM
12	SHEAVE BLOCK	6063-T6 ALUM
13	SLOT CAP	6063-T6 ALUM
14	MOHAIR WEATHERSTRIP	-
15	MOHAIR WEATHERSTRIP	-
16	BLADE LOCKING HARDWARE	-
17	BLADE CASE	-
18	MOHAIR WEATHERSTRIP	-
20	A4-E SHEAVE	-
21	SILL PAN	5052 - ALUM



**G1** GLAZING DETAIL

PRODUCT: FLEETWOOD  
EDGE SLIDING GLASS DOOR

PART OR ASSEMBLY:  
BILL OF MATERIALS, COMPONENTS  
& GLAZING DETAILS

NO.	DATE	BY

**RW** BUILDING CONSULTANTS, INC.  
813.659.9197

DATE: 4/04/23  
SCALE: N.T.S.  
DWG. BY: LFS  
CHK. BY: RW  
DRAWING NO.: L-9826  
SHEET 9 OF 9

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01993776  
Date 4/06/2023 Verified by VKW

**TABLE OF CONTENTS**

SHEET #	DESCRIPTION
1	Table of Contents
2	Test Elevation
3	Horizontal Cross Section
4	Horizontal Cross Section
5	Vertical Cross Section
6	Vertical Cross Section
7	Frame Anchoring
8	Components
9	Bill of Materials & Glazing Detail

PRODUCT: FLEETWOOD  
EDGE SLIDING GLASS DOOR  
SPEC #2

PART OR ASSEMBLY:  
TABLE OF CONTENTS

NO.	DATE	BY

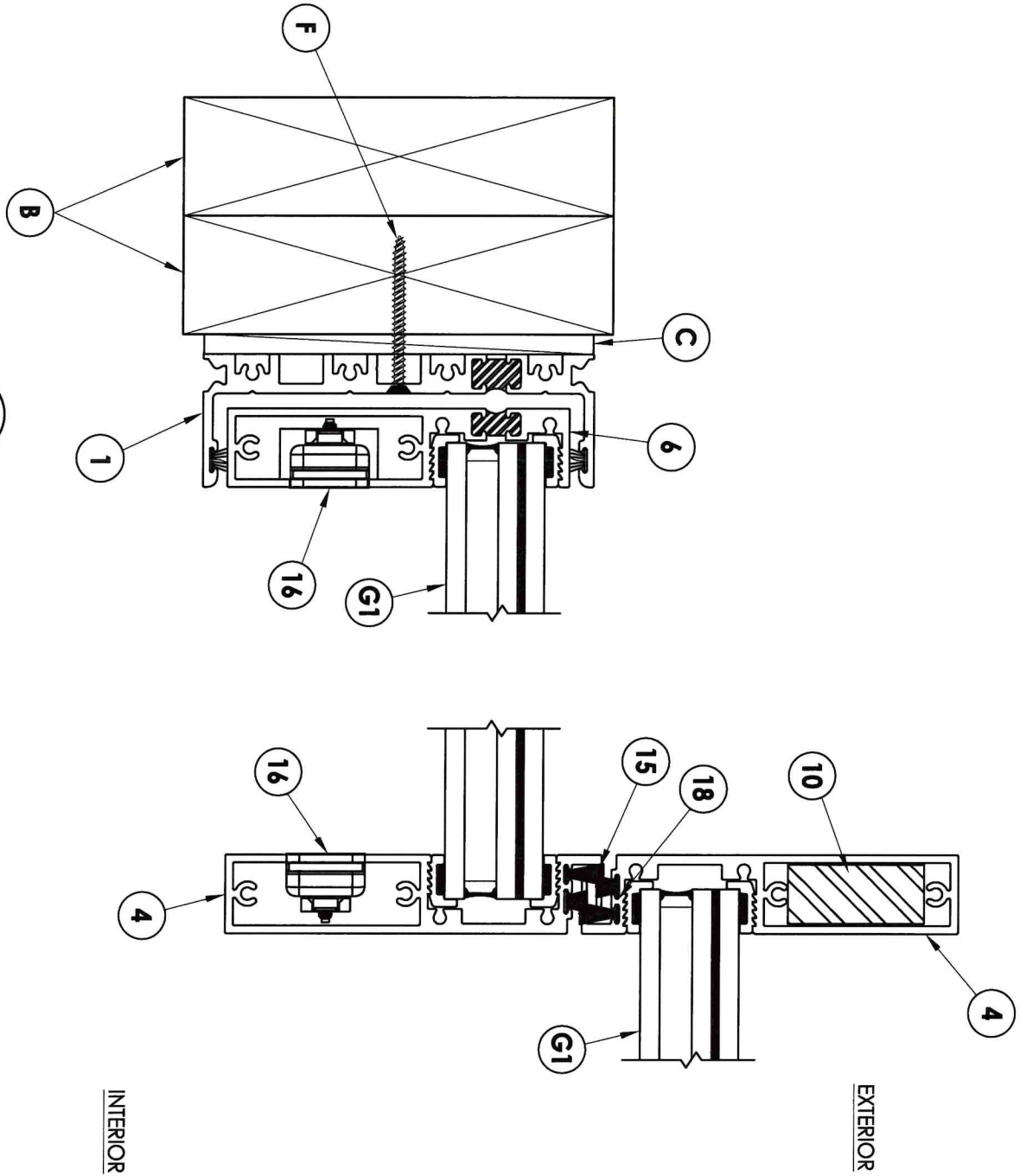
REVISIONS



DATE: 4/04/23  
SCALE: N.T.S.  
DWG. BY: LFS  
CHK. BY: RW  
DRAWING NO.: L-9826a  
SHEET 1 OF 9


Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01993776  
Date 4/06/2023 Verified by VKW

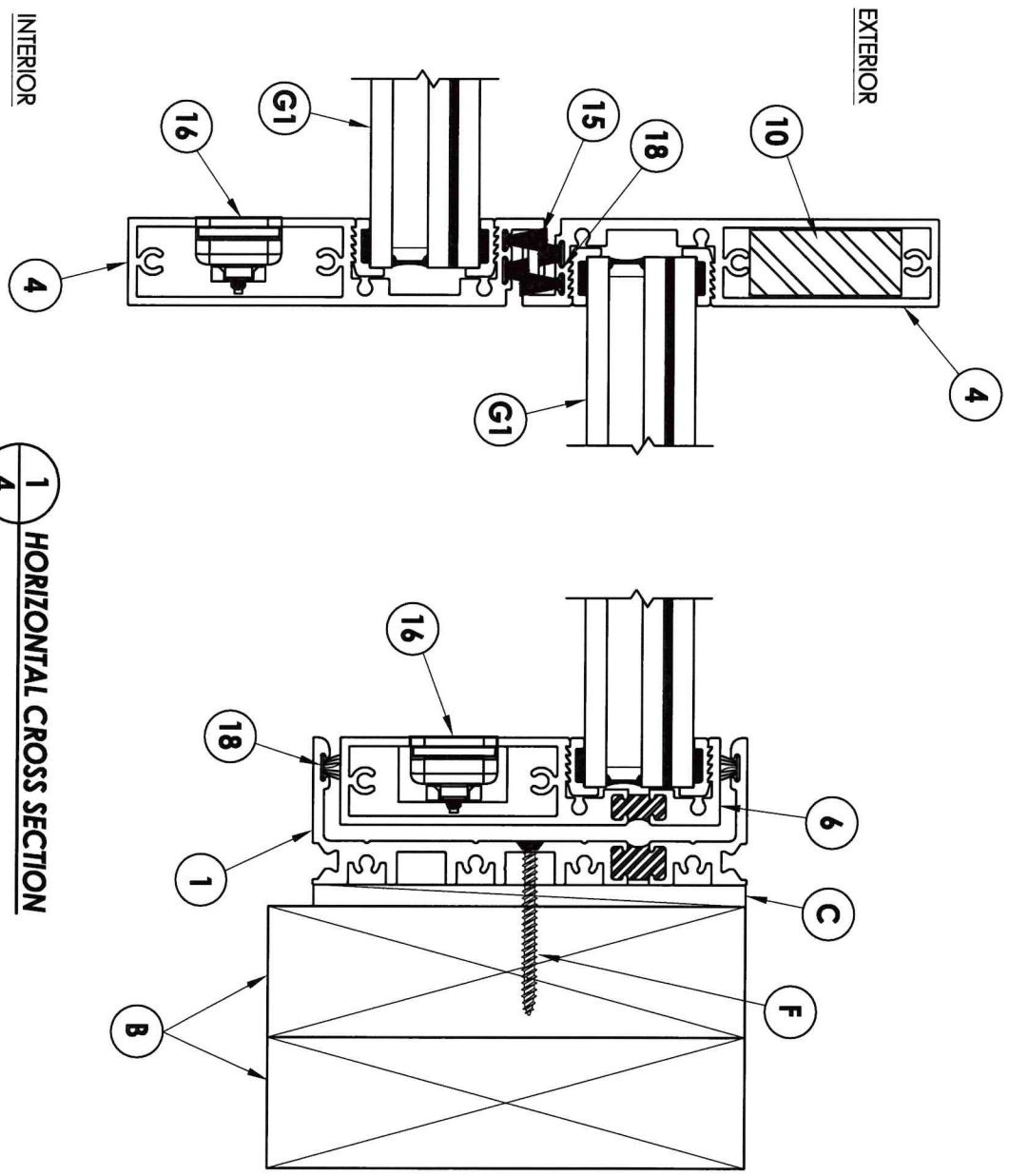




1 HORIZONTAL CROSS SECTION  
3


Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01993776  
Date 4/06/2023 Verified by VKW

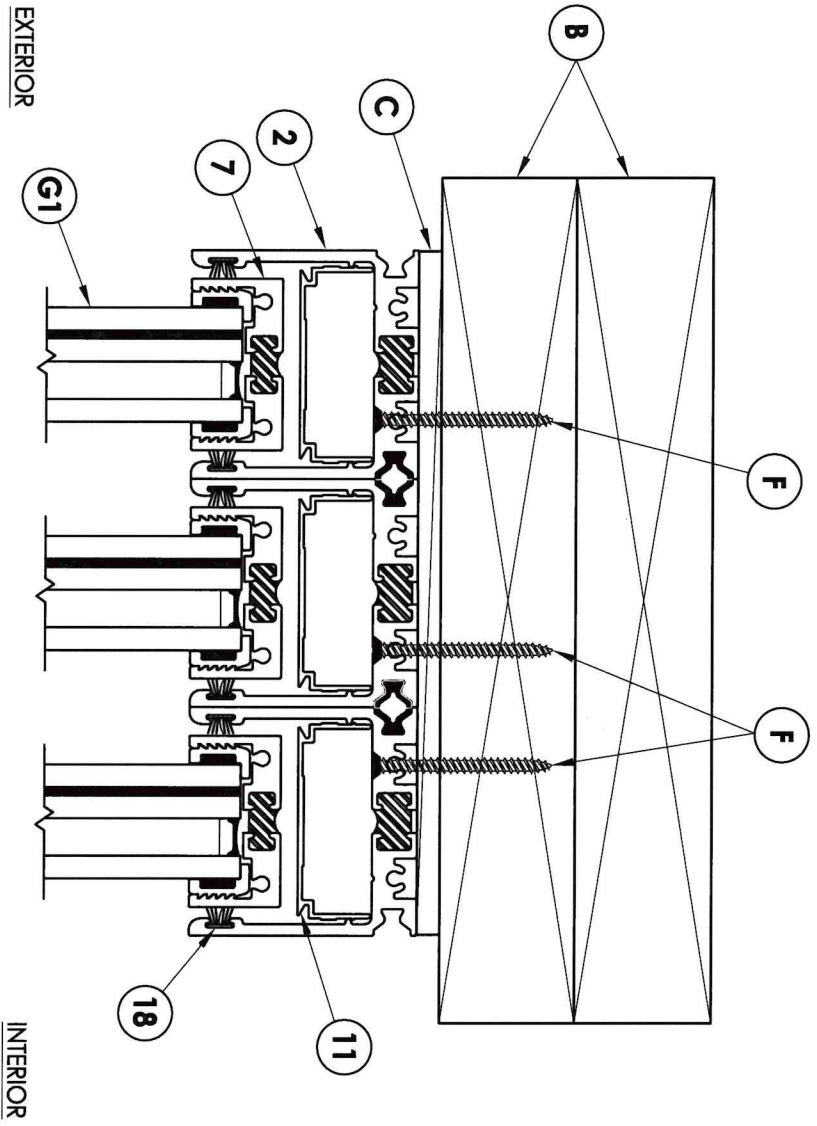
		PRODUCT: FLEETWOOD EDGE SLIDING GLASS DOOR	
DATE: 4/04/23 SCALE: N.T.S. DWG. BY: LFS CHK. BY: RW DRAWING NO.: L-9826a		PART OR ASSEMBLY: HORIZONTAL CROSS SECTION	
SHEET 3 OF 9		REVISIONS	
NO.	DATE	BY	



Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01993776  
 Date 4/06/2023 Verified by VKW


1/4 HORIZONTAL CROSS SECTION

 <p>R.W. BUILDING CONSULTANTS, INC. 813.659.9197</p>	PRODUCT: FLEETWOOD EDGE SLIDING GLASS DOOR	
	PART OR ASSEMBLY: HORIZONTAL CROSS SECTION	
DATE: 4/04/23 SCALE: N.T.S. DWG. BY: LFS CHK. BY: RW DRAWING NO.: L-9826a	NO.      DATE      BY	REVISIONS
SHEET 4 OF 9		

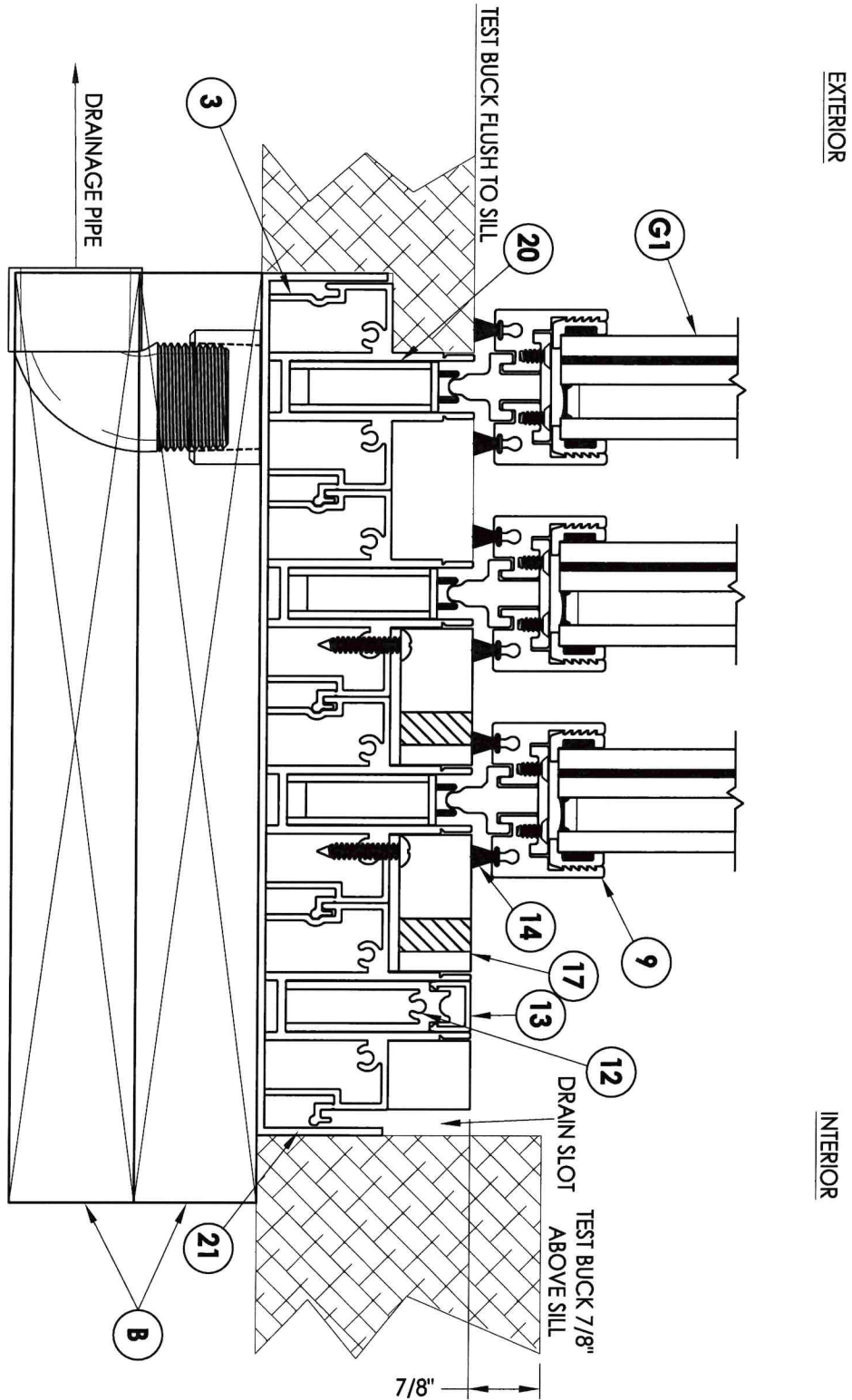


1  
5 VERTICAL CROSS SECTION

Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01993776  
 Date 4/06/2023 Verified by VKW


		PRODUCT: FLEETWOOD EDGE SLIDING GLASS DOOR	
DATE: 4/04/23 SCALE: N.T.S. DWG. BY: LFS CHK. BY: RW DRAWING NO.: L-9826a		PART OR ASSEMBLY: VERTICAL CROSS SECTION	
NO.	DATE	BY	REVISIONS

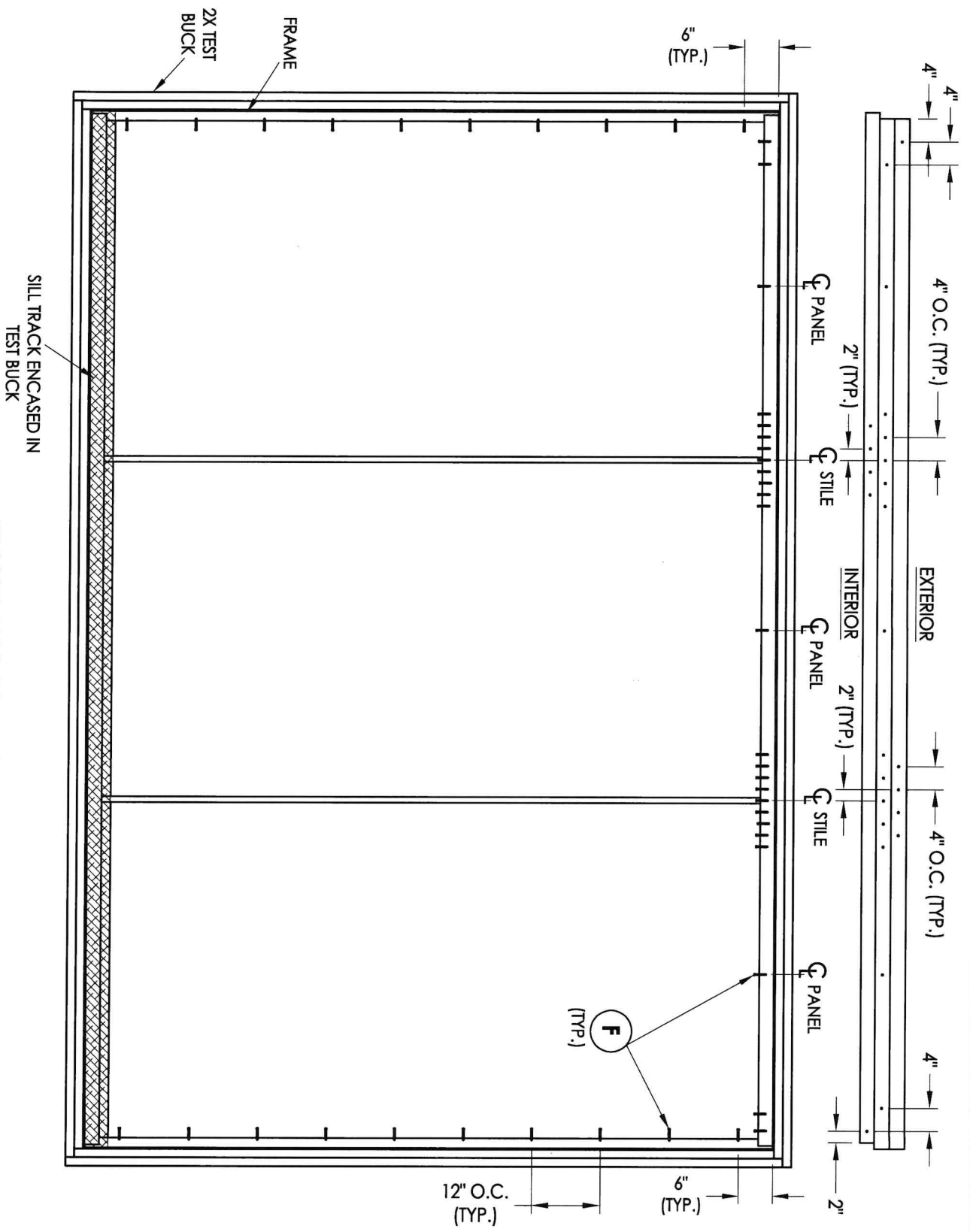




**1** **VERTICAL CROSS SECTION**  
**6**

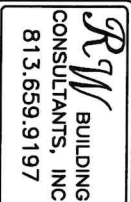
Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01993776  
Date 4/06/2023 Verified by VKW

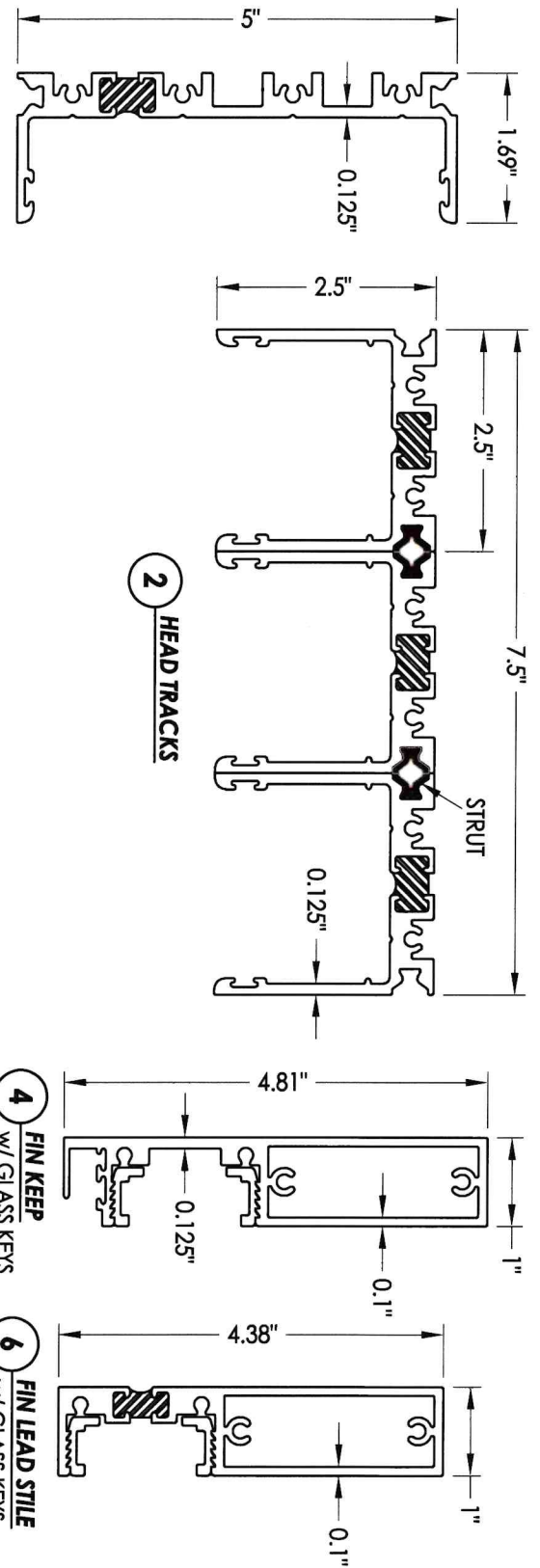
DATE: 4/04/23		SCALE: N.T.S.		DWG. BY: LFS		CHK. BY: RW		DRAWING NO.: L-9826a		SHEET 6 OF 9	
		PRODUCT: FLEETWOOD EDGE SLIDING GLASS DOOR		PART OR ASSEMBLY: VERTICAL CROSS SECTION		NO. DATE REVISIONS BY					



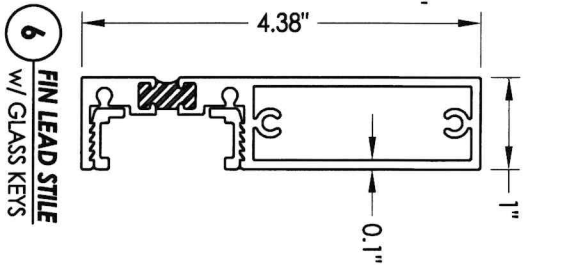
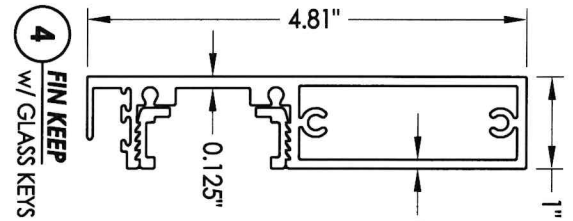
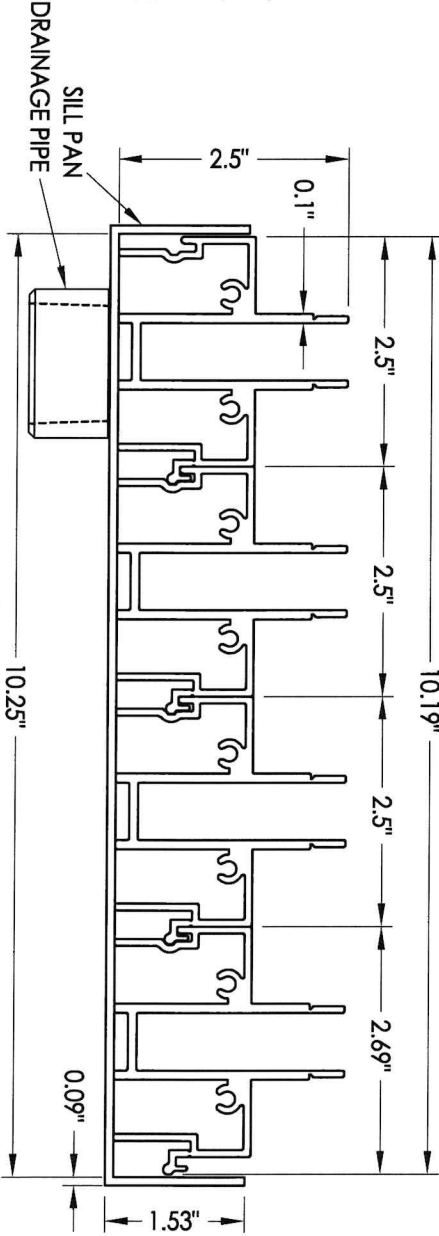
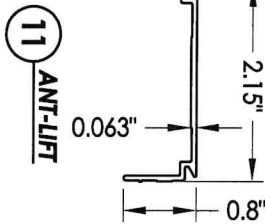
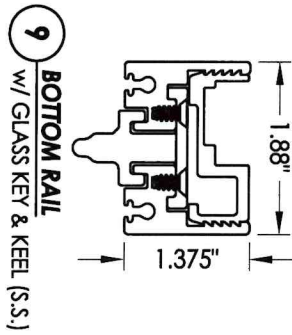
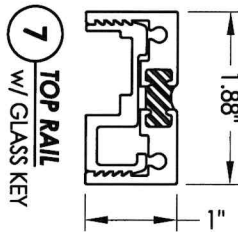
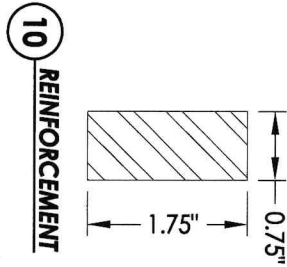
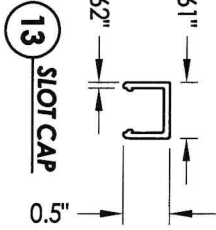
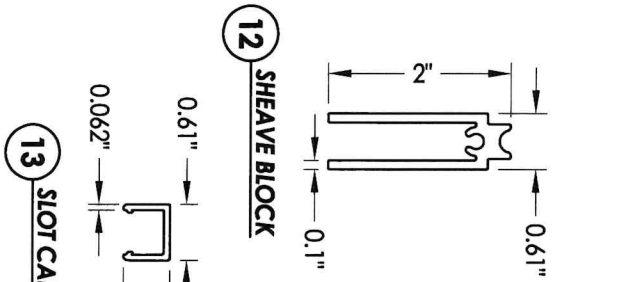
Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01993776  
 Date 4/06/2023 Verified by VKW

**FRAME ANCHORING**  
 2X TEST BUCK

 <p>R.W. BUILDING CONSULTANTS, INC. 813.659.9197</p>	DATE: 4/04/23	SCALE: N.T.S.	DWG. BY: LFS	CHK. BY: RW	DRAWING NO.: L-9826a	SHEET 7 OF 9
	PRODUCT: FLEETWOOD EDGE SLIDING GLASS DOOR PART OR ASSEMBLY: FRAME ANCHORING					
NO.		DATE		BY		REVISIONS



Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01993776  
 Date 4/06/2023 Verified by VKW

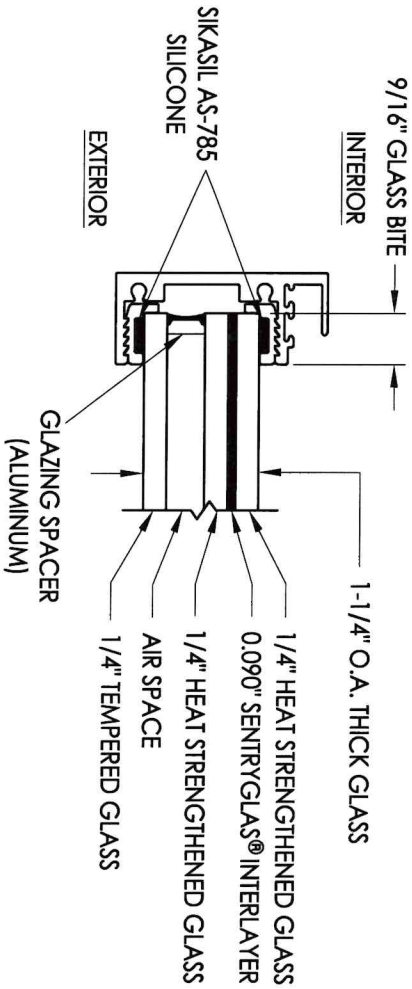


DATE: 4/04/23	SCALE: N.T.S.
DWG. BY: LFS	CHK. BY: RW
DRAWING NO.: L-9826a	SHEET 8 of 9

NO.	DATE	REVISIONS	BY

PRODUCT:	FLEETWOOD EDGE SLIDING GLASS DOOR
PART OR ASSEMBLY:	COMPONENTS

BILL OF MATERIALS		MATERIAL
ITEM #	DESCRIPTION	
B	2X TEST BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
F	#10 X 2" FH WOOD SCREW	STEEL
1	FIN JAMB	6063-T6 ALUM
2	HEAD TRACKS	6063-T6 ALUM
3	SILL TRACKS	6063-T6 ALUM
4	FIN KEEP	6063-T6 ALUM
6	FIN LEAD STILE	6063-T6 ALUM
7	TOP RAIL	6063-T6 ALUM
9	BOTTOM RAIL	6063-T6 ALUM
10	REINFORCEMENT	6063-T6 ALUM
11	ANTI-LIFT	6063-T6 ALUM
12	SHEAVE BLOCK	6063-T6 ALUM
13	SLOT CAP	6063-T6 ALUM
14	MOHAIR WEATHERSTRIP	-
15	MOHAIR WEATHERSTRIP	-
16	BLADE LOCKING HARDWARE	-
17	BLADE CASE	-
18	MOHAIR WEATHERSTRIP	-
20	A4-E SHEAVE	-
21	SILL PAN	5052 -ALUM



**G1** GLAZING DETAIL

Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01993776  
 Date 4/06/2023 Verified by VKW

PRODUCT:  
 FLEETWOOD  
 EDGE SLIDING GLASS DOOR

PART OR ASSEMBLY:  
 BILL OF MATERIALS, COMPONENTS  
 & GLAZING DETAILS

NO.	DATE	BY

**RW** BUILDING CONSULTANTS, INC.  
 813.659.9197

DATE: 4/04/23  
 SCALE: N.T.S.  
 DWG. BY: LFS  
 CHK. BY: RW  
 DRAWING NO.: L-9826d  
 SHEET 9 OF 9

**TABLE OF CONTENTS**

SHEET #	DESCRIPTION
1	Table of Contents
2	Test Elevation
3	Horizontal Cross Section
4	Horizontal Cross Section
5	Vertical Cross Section
6	Vertical Cross Section
7	Frame Anchoring
8	Components
9	Bill of Materials & Glazing Detail

Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01993776  
 Date 4/06/2023 Verified by VKW

PRODUCT: FLEETWOOD  
 EDGE SLIDING GLASS DOOR  
 SPEC #3

PART OR ASSEMBLY:  
 TABLE OF CONTENTS

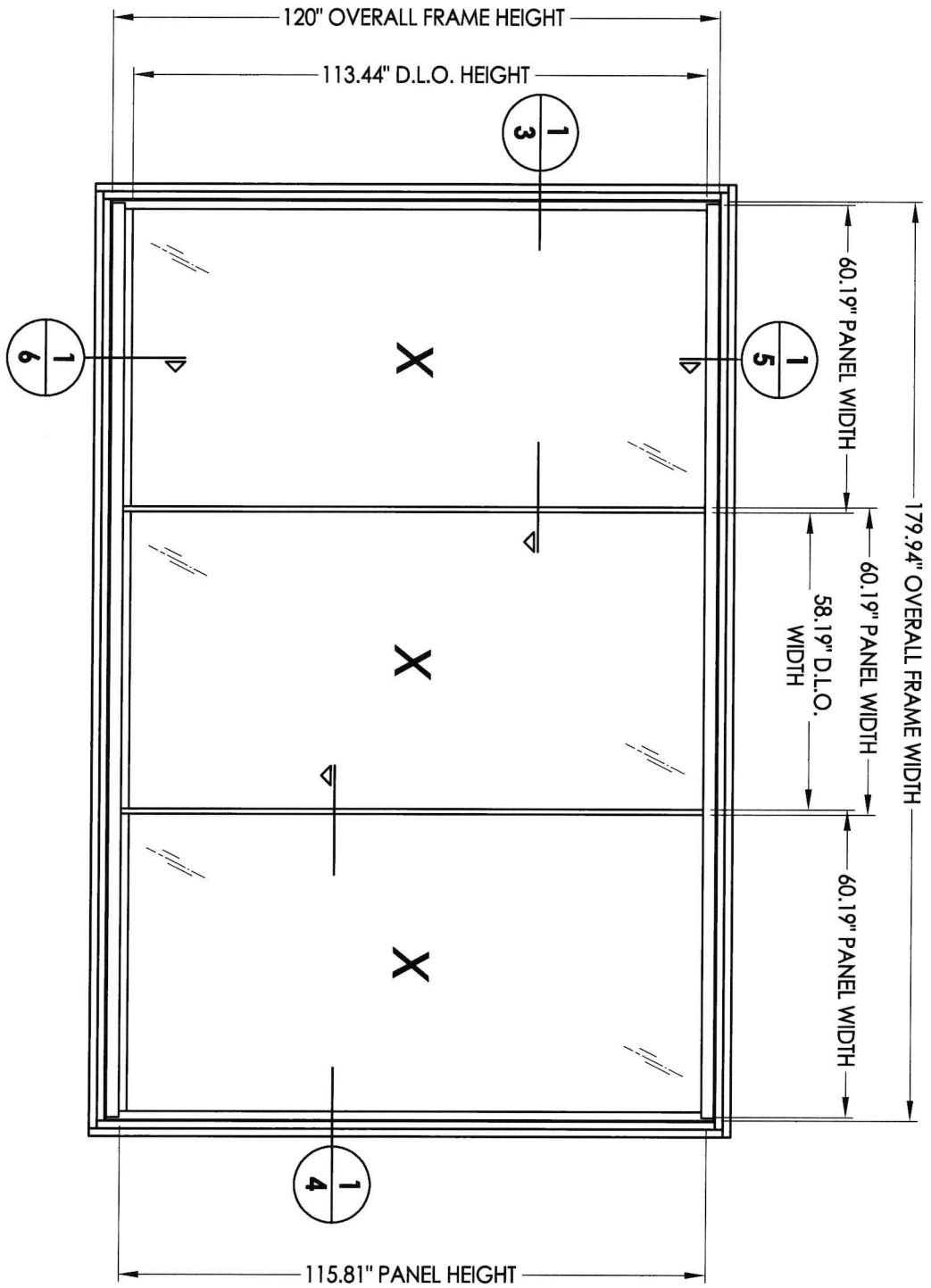
NO.	DATE	BY

REVISIONS

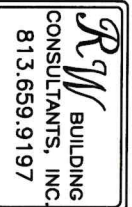


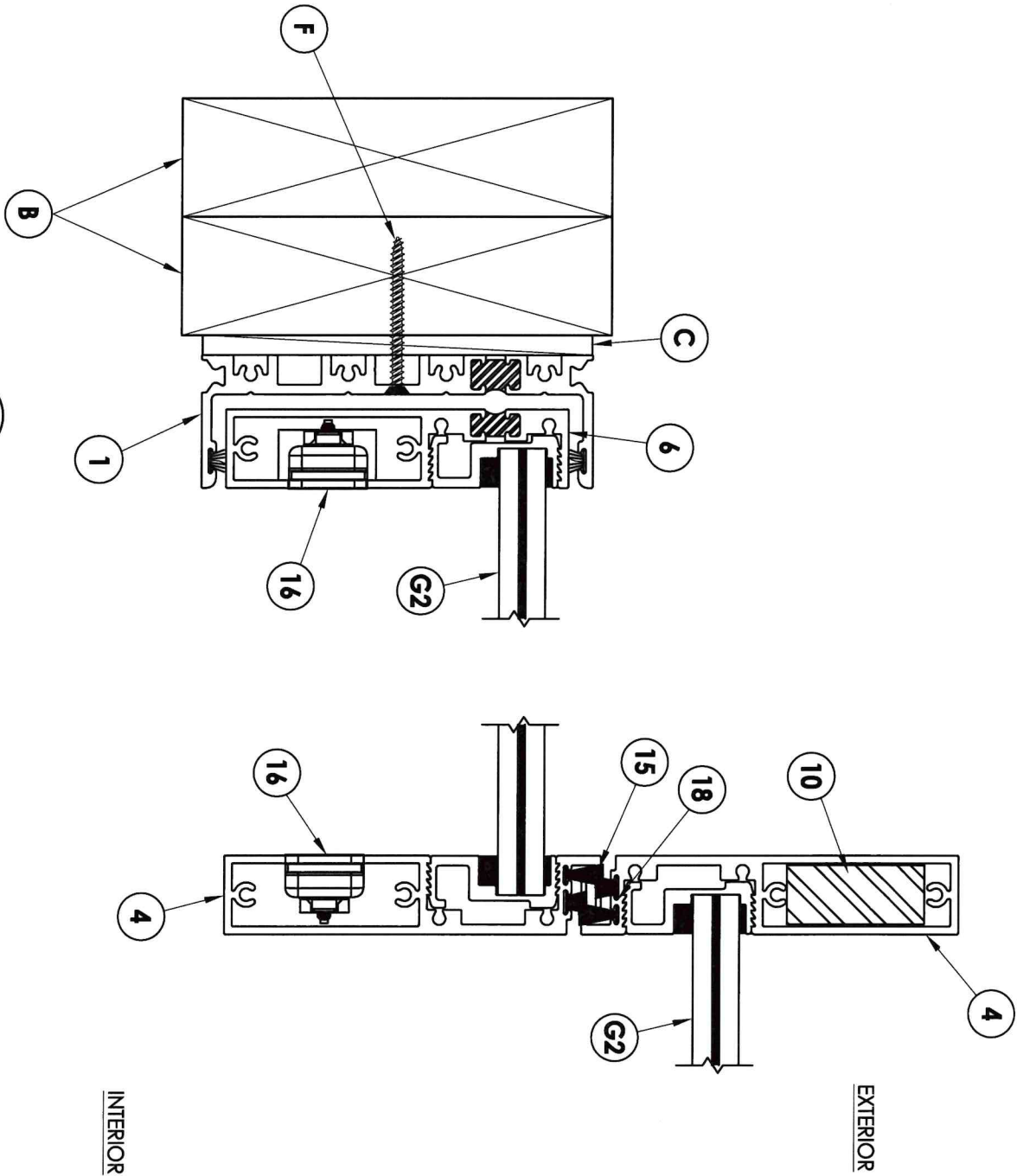
**R<sup>W</sup>** BUILDING  
 CONSULTANTS, INC.  
 813.6559.9197

DATE: 4/04/23  
 SCALE: N.T.S.  
 DWG. BY: LFS  
 CHK. BY: RW  
 DRAWING NO.: L-9826b  
 SHEET 1 OF 9




Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01993776  
 Date 4/06/2023 Verified by VKW

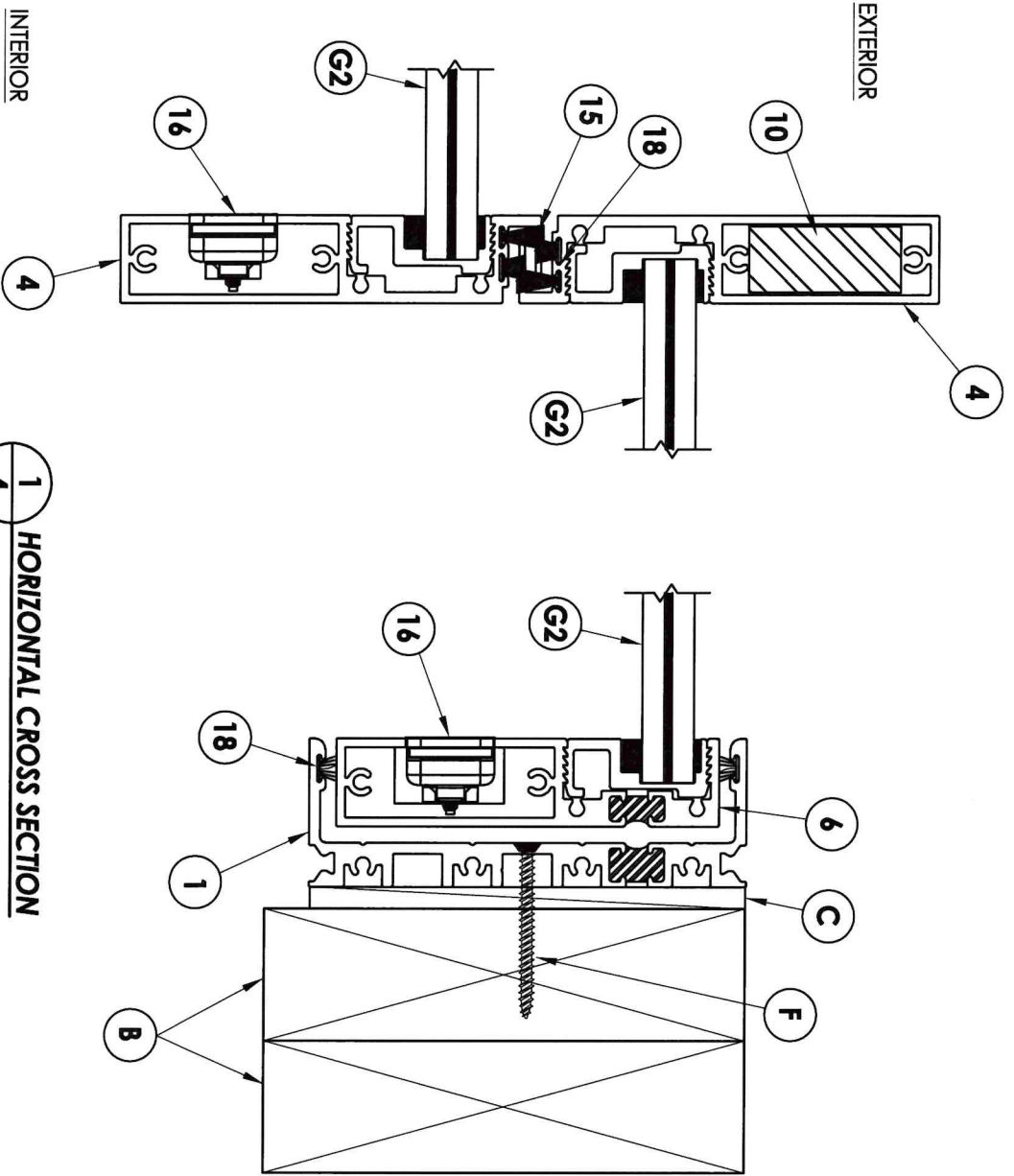
 <p>R.W. BUILDING CONSULTANTS, INC. 813.659.9197</p>	DATE: 4/04/23	SCALE: N.T.S.	DWG. BY: LFS	CHK. BY: RW	DRAWING NO.: L-9826b	SHEET 2 OF 9														
	<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						NO.	DATE	BY											
NO.	DATE	BY																		
PRODUCT: FLEETWOOD EDGE SLIDING GLASS DOOR PART OR ASSEMBLY: TEST ELEVATION			REVISIONS																	



**1** HORIZONTAL CROSS SECTION  
**3**

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01993776  
Date 4/06/2023 Verified by VKW

		PRODUCT: <b>FLEETWOOD EDGE SLIDING GLASS DOOR</b>	
DATE: 4/04/23 SCALE: N.T.S. DWG. BY: LFS CHK. BY: RW DRAWING NO.: L-9826b		PART OR ASSEMBLY: <b>HORIZONTAL CROSS SECTION</b>	
NO.	DATE	BY	REVISIONS



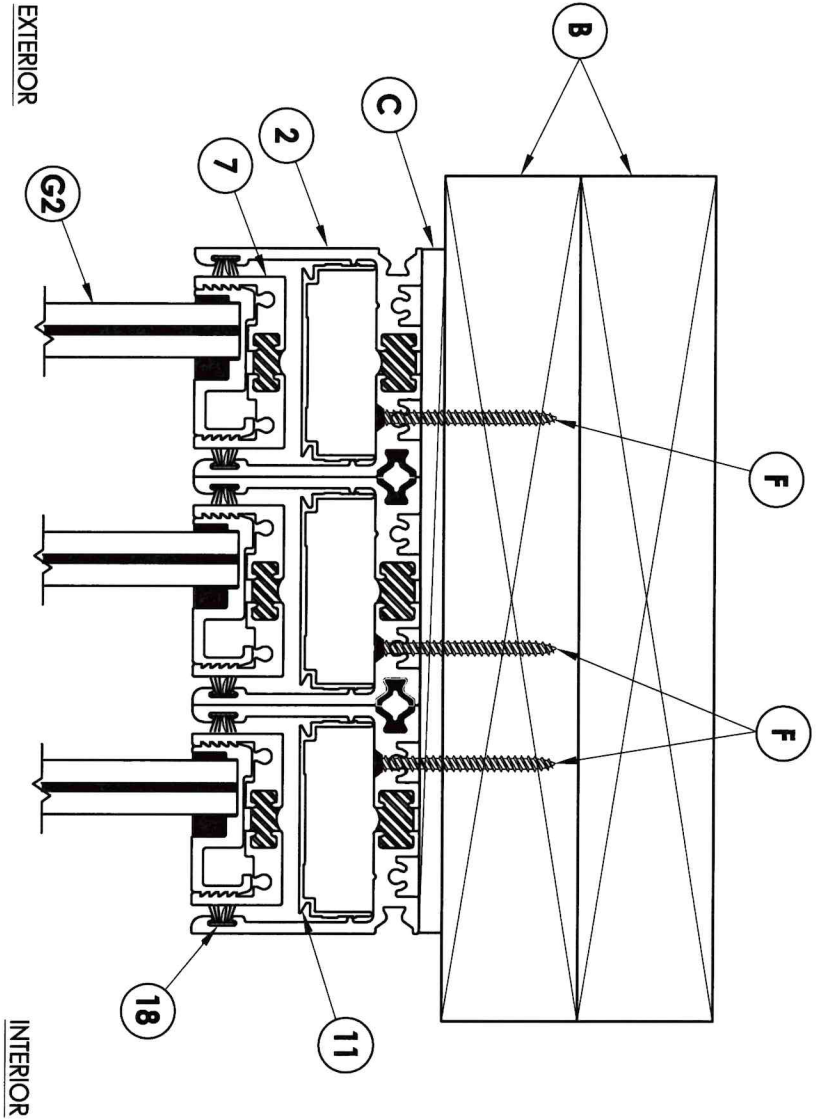
1  
4  
HORIZONTAL CROSS SECTION

Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01993776  
 Date 4/06/2023 Verified by VKW

DATE: 4/04/23		PRODUCT: FLEETWOOD EDGE SLIDING GLASS DOOR	
SCALE: N.T.S.		PART OR ASSEMBLY: HORIZONTAL CROSS SECTION	
DWG. BY: LFS		NO. DATE REVISIONS BY	
CHK. BY: RW			
DRAWING NO.: L-9826b			
SHEET 4 OF 9			



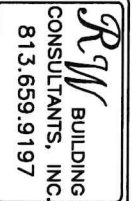


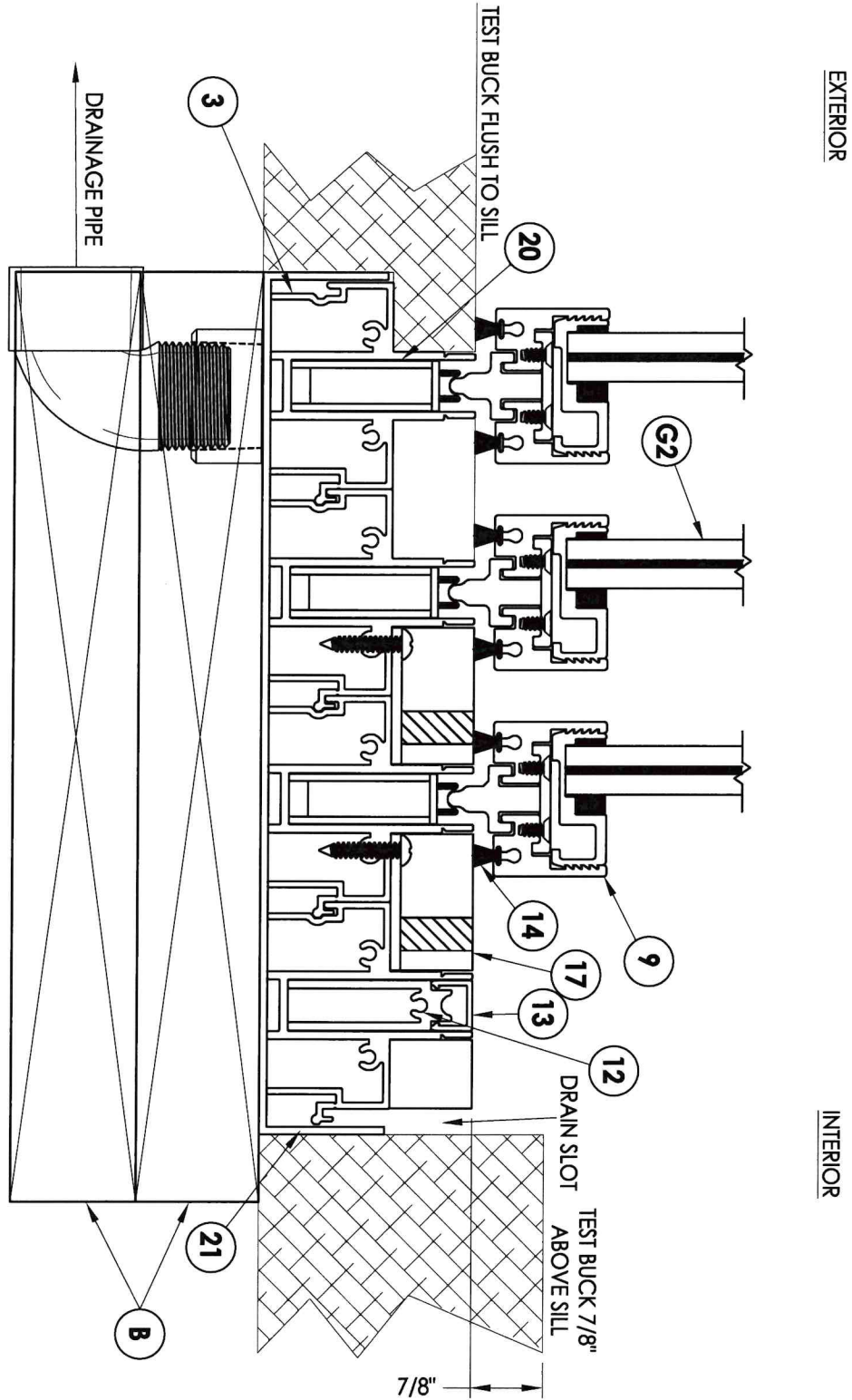


1 VERTICAL CROSS SECTION  
5

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01993776  
Date 4/06/2023 Verified by VKW

PRODUCT:		FLEETWOOD EDGE SLIDING GLASS DOOR
PART OR ASSEMBLY:		VERTICAL CROSS SECTION
NO.	DATE	BY
REVISIONS		

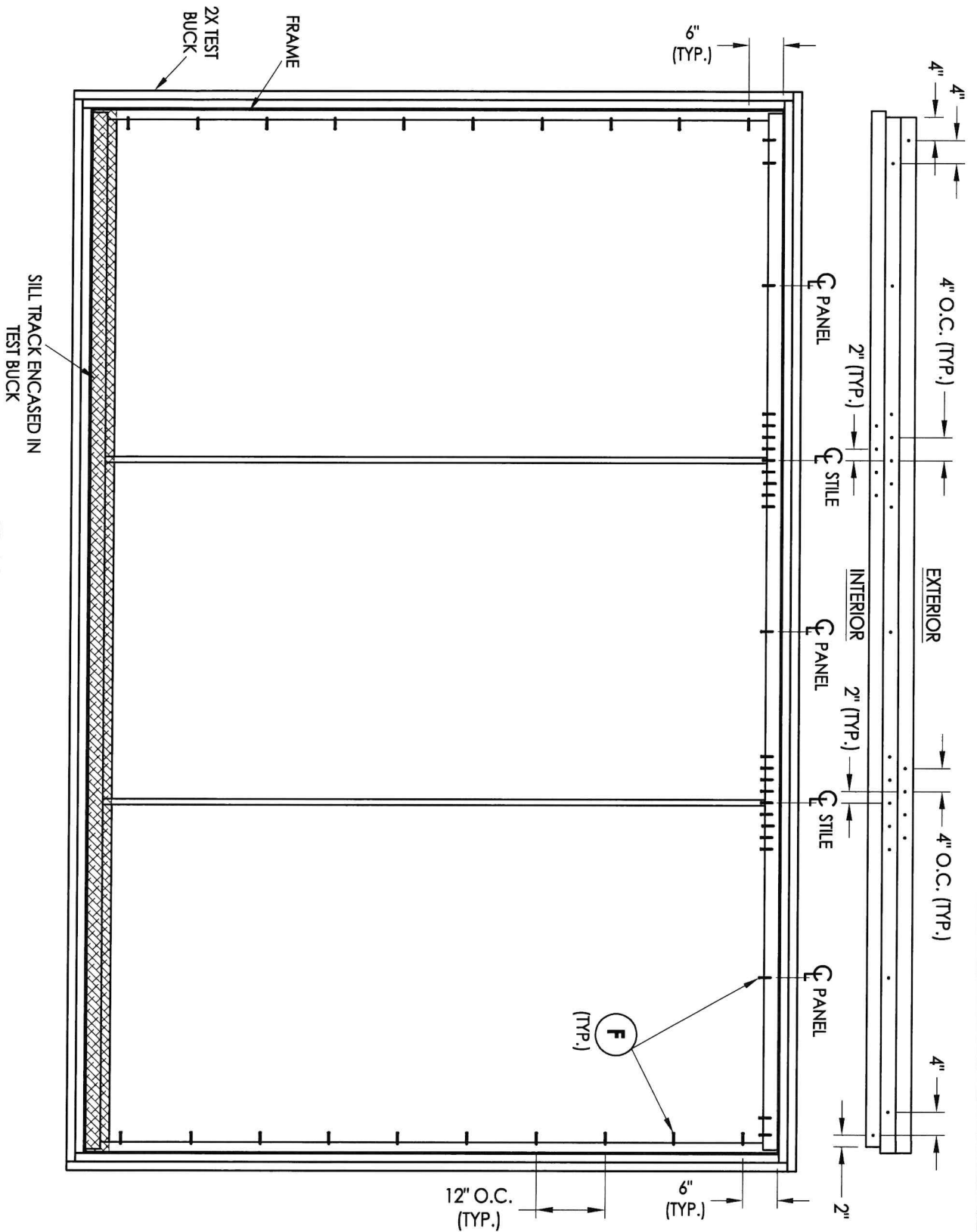
 BUILDING CONSULTANTS, INC. 813.659.9197		
DATE:	4/04/23	
SCALE:	N.T.S.	
DWG. BY:	LFS	
CHK. BY:	RW	
DRAWING NO.:	L-9826b	
SHEET	5	OF 9



**1** / **6** **VERTICAL CROSS SECTION**


Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01993776  
 Date 4/06/2023 Verified by VKW

PRODUCT: FLEETWOOD EDGE SLIDING GLASS DOOR		
PART OR ASSEMBLY: VERTICAL CROSS SECTION		
NO.	DATE	BY
REVISIONS		
BUILDING CONSULTANTS, INC. 813.6559.9197		
DATE:	4/04/23	
SCALE:	N.T.S.	
DWG. BY:	LFS	
CHK. BY:	RW	
DRAWING NO.:	L-9826b	
SHEET	6 OF 9	



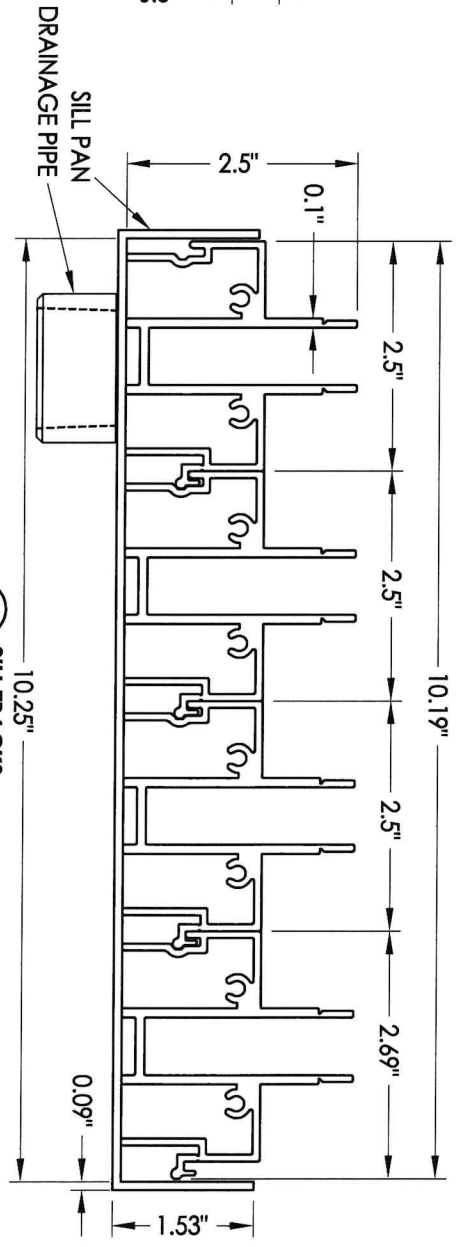
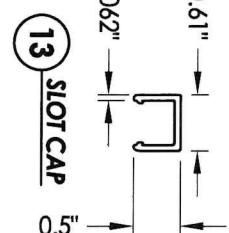
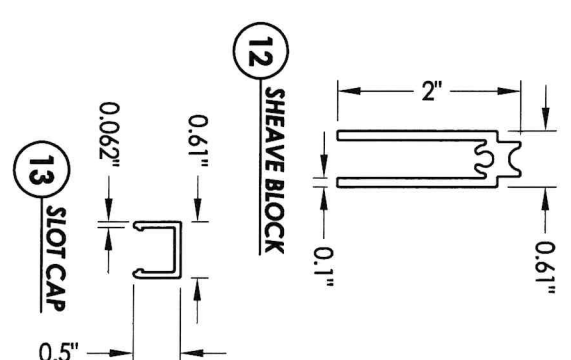
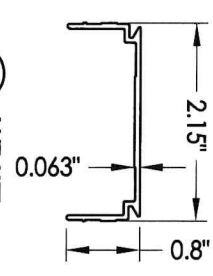
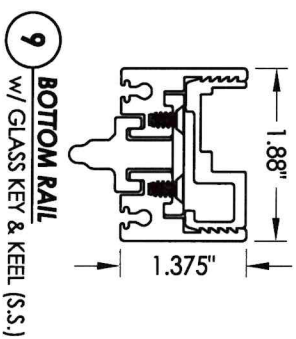
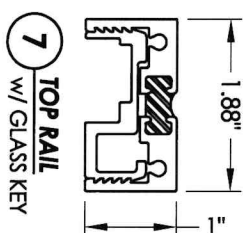
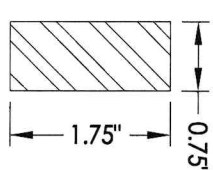
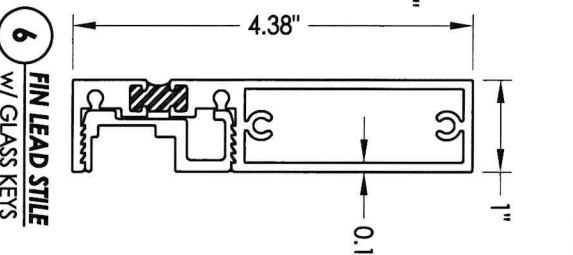
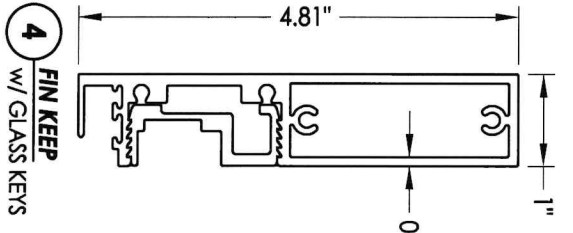
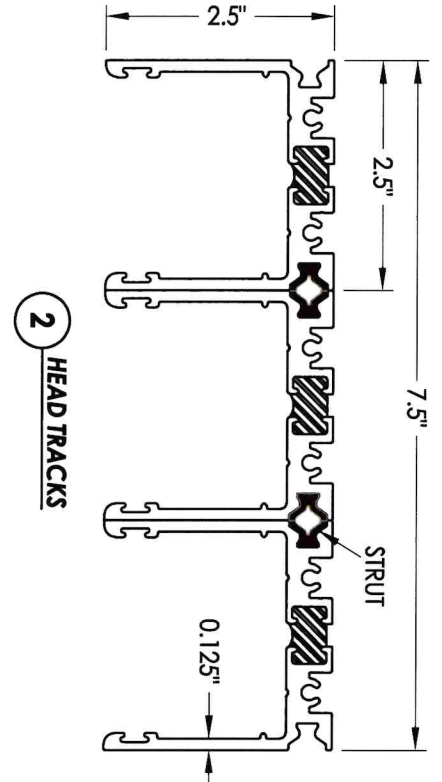
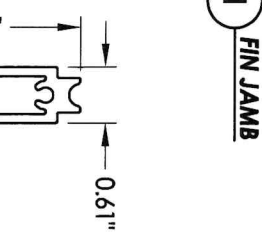
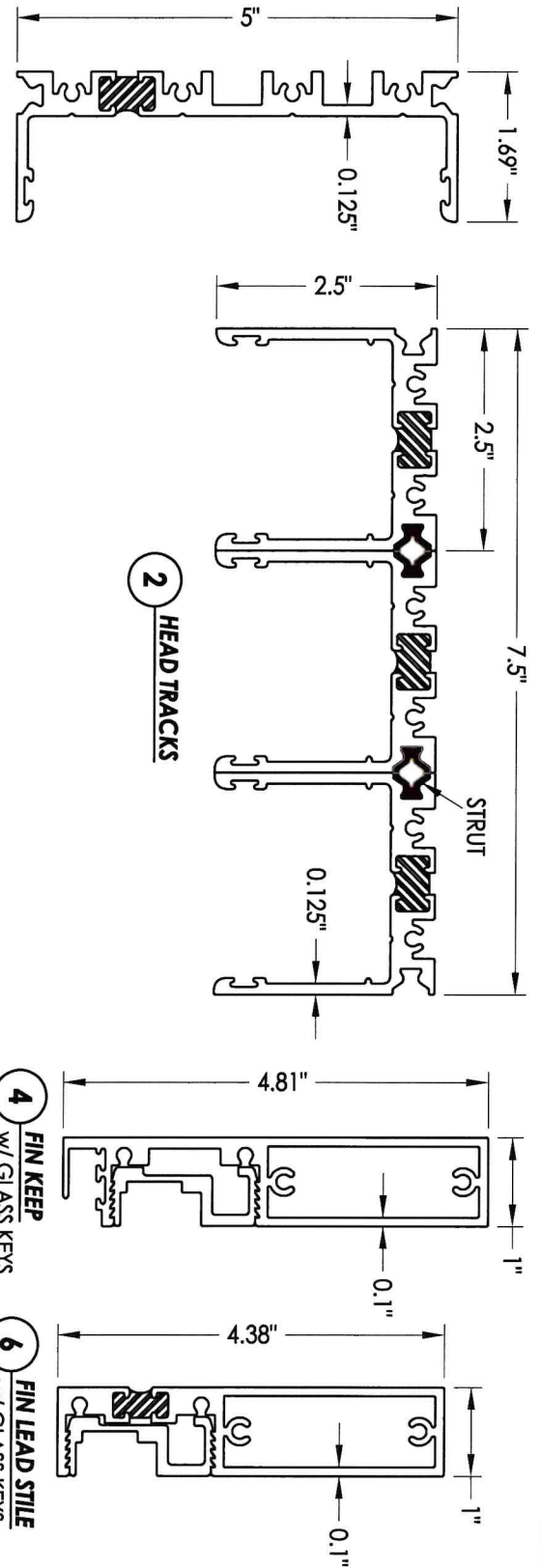
Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL # 01993776  
 Date 4/06/2023 Verified by VKW

**FRAME ANCHORING**  
 2X TEST BUCK

 R.W. BUILDING CONSULTANTS, INC. 813.659.9197	DATE: 4/04/23
	SCALE: N.T.S.
DWG. BY: LFS	CHK. BY: RW
DRAWING NO.: L-9826b	SHEET 7 OF 9

NO.	DATE	BY	REVISIONS

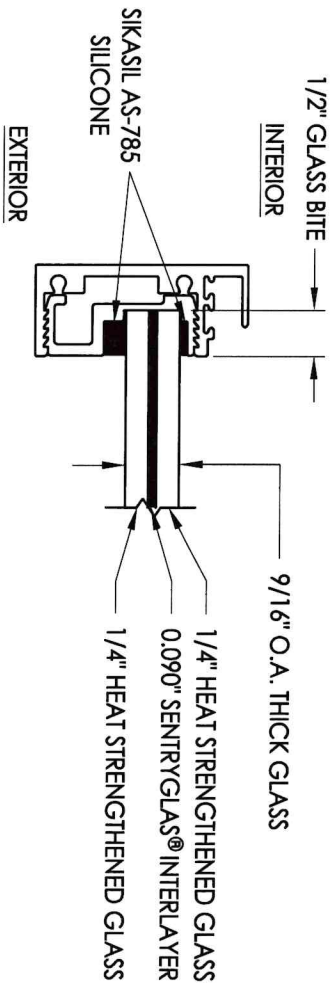
PRODUCT:	FLEETWOOD EDGE SLIDING GLASS DOOR
PART OR ASSEMBLY:	FRAME ANCHORING



Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01993776  
 Date 4/06/2023 Verified by VKW

DATE: 4/04/23 SCALE: N.T.S. DWG. BY: LFS CHK. BY: RW DRAWING NO.: L-9826b SHEET 8 OF 9		PRODUCT: FLEETWOOD EDGE SLIDING GLASS DOOR	
NO.      DATE      REVISIONS		PART OR ASSEMBLY: COMPONENTS	

BILL OF MATERIALS		MATERIAL
ITEM #	DESCRIPTION	
B	2X TEST BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
F	#10 X 2" FH WOOD SCREW	STEEL
1	FIN JAMB	6063-T6 ALUM
2	HEAD TRACKS	6063-T6 ALUM
3	SILL TRACKS	6063-T6 ALUM
4	FIN KEEP	6063-T6 ALUM
6	FIN LEAD STILE	6063-T6 ALUM
7	TOP RAIL	6063-T6 ALUM
9	BOTTOM RAIL	6063-T6 ALUM
10	REINFORCEMENT	6063-T6 ALUM
11	ANTI-LIFT	6063-T6 ALUM
12	SHEAVE BLOCK	6063-T6 ALUM
13	SLOT CAP	6063-T6 ALUM
14	MOHAIR WEATHERSTRIP	-
15	MOHAIR WEATHERSTRIP	-
16	BLADE LOCKING HARDWARE	-
17	BLADE CASE	-
18	MOHAIR WEATHERSTRIP	-
20	A4-E SHEAVE	-
21	SILL PAN	5052 -ALUM



**G2** GLAZING DETAIL

Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01993776  
 Date 4/06/2023 Verified by VKW

PRODUCT: FLEETWOOD  
 EDGE SLIDING GLASS DOOR

PART OR ASSEMBLY:  
 BILL OF MATERIALS, COMPONENTS  
 & GLAZING DETAILS

NO.	DATE	BY

**R<sup>9</sup>W** BUILDING CONSULTANTS, INC.  
 813.659.9197

DATE: 4/04/23  
 SCALE: N.T.S.  
 DWG. BY: LFS  
 CHK. BY: RW  
 DRAWING NO.: L-9826b  
 SHEET 9 OF 9