



# Testing Evaluation Laboratories, Inc.

2002 Wood Court Suite 1 – Plant City, FL 33563  
Phone: 813-754-9887

**AAMA/WDMA/CSA/101/I.S.2/A440-08**  
**AAMA/WDMA/CSA/101/I.S.2/A440-11**  
**(A440S1-09)**

## TEST REPORT SUMMARY

### Test Report Issued To:

**Fleetwood Windows and Doors**  
**1 Fleetwood Way**  
**Corona, CA 92879**

**3900-T Aluminum Side Hinged Door - Outswing**  
**Impact Rated**

Title	Summary of Results	
	Specimen 1	Specimen 1 Alt
Primary Product Designator	Class LC –PG50 5105 x 3048 (201 x 120) – Type LW SHD	Class LC –PG55 5105 x 3048 (201 x 120) – Type LW SHD
Design Pressure	+ 2394 Pa / - 2394 Pa (+ 50.0 psf / - 50.0 psf)	+ 2633 Pa / - 2633 Pa (+ 55.0 psf / - 55.0 psf)
Air Infiltration	0.79 L/s/m <sup>2</sup> (0.158 scfm/ft <sup>2</sup> ) @ 75 Pa (1.57 psf)	See Specimen 1 for these results
Air Infiltration/Exfiltration (A440S1-09)	Level A2: < 1.50 L/s•m <sup>2</sup>	See Specimen 1 for these results
Water Resistance (Per ASTM E547-00)	287 Pa (6.00 psf)	See Specimen 1 for these results
Structural Test Pressure	+ 3591 Pa / - 3591 Pa (+ 75.0 psf / - 75.0 psf)	+ 3950 Pa / - 3950 Pa (+ 82.5 psf / - 82.5 psf)
Forced Entry	No Entry	No Entry

Reference should be made to Report No. TEL 01991316 for complete test specimen description and data.

For Testing Evaluation Laboratories, Inc.

  
Vivian K. Wright,  
President



## Testing Evaluation Laboratories, Inc.

2002 Wood Court Suite 1 – Plant City, FL 33563

Phone: 813-754-9887

### AAMA/WDMA/CSA 101/I.S.2/A440-08 and A440-11 (A440S1-09)

#### Issued to:

**Fleetwood Windows and Doors**

**1 Fleetwood Way**

**Corona, CA 92879**

**IAS Lab Certification Number TL-299**

**Report Number: TEL 01991316**

**Test Date: March 31, 2015**

**Report Date: June 26, 2015**

**Project Summary:** Testing Evaluation Laboratories, Inc. (TEL) was contracted to perform tests on a Fleetwood Windows and Doors 3900-T Aluminum Side Hinged Door at TEL's Plant City, FL test facility. The sample tested successfully met the performance requirements as follows:

**Class LC-PG50 5105 x 3048 (201 x 120) – Type LW SHD – Specimen 1**

**Class LC-PG55 5105 x 3048 (201 x 120) – Type LW SHD – Specimen 1-Alt**

**Test Specifications:** The test specimen was evaluated in accordance with the following:

***AAMA/WDMA/CSA/101/I.S.2/A440-08 and A440-11 (A440S1-09)***

***Standard/Specification for Windows, Doors and Unit Skylights***

***Series / Model:*** 3900-T Aluminum Doors

***Type:*** Impact Rated Outswing Glazed Doors w/Sidelites (OXXO)

***Overall Size:*** 5105 mm (201.00") x 3048 mm (120.00")

***Daylight Opening:*** 737 mm (29.00") x 2743 mm (108.00") – Doors – Spec 1 & 1 ALT

1448 mm (57.00") x 2743 mm (117.00") – GTF Sidelite– Spec 1

1194 mm (47.00") x 2743 mm (108.00") – Sash Sidelite– Spec 1 & 1 ALT

**For complete product description, see attached drawing L-7347 and L-7347A for details.**

**Test Results:** 5105 mm (201.00 ") x 3048 mm (120.00") - Outswing Glazed Doors w/Sidelites (OXXO)  
**Specimen 1**

The test results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test / Test Method</u>	<u>Results</u>	<u>Allowed</u>
5.3.1.2.1	Force to Latch – Multipoint Locking Device	80N (18.0 lbf)	Report Only
5.3.2.1	Air Leakage Resistance (Infiltration) ASTM E283 Test conducted @ 75 Pa (1.57 psf)	0.79 L/s/m <sup>2</sup> 0.158 scfm/ft <sup>2</sup>	1.50 L/s/m <sup>2</sup> 0.3 scfm/ft <sup>2</sup>
5.3.3.1	Limited Water Penetration Resistance ASTM E547 & ASTM E331 Test conducted @ 251 Pa (5.25 psf) (Std. Weatherstrip)	No Leakage	No Leakage
	Test conducted @ 287 Pa (6.00 psf) (Std. Weatherstrip w/ Drip Cap)	No Leakage	No Leakage
	Test conducted @ 251 Pa (5.25 psf) (Sill Bulb Weatherstrip)	No Leakage	No Leakage
	Test conducted @ 287 Pa (6.00 psf) (Sill Bulb w/Drip Cap)	No Leakage	No Leakage
5.3.4.2	Uniform Load Deflection Test @ Design Pressure ASTM E330		(See Note #1)
5.3.4.3	Uniform Load Structural Test @ 150% of Design Pressure ASTM E330		(See Note #1)
<i>Note #1:</i>	<i>(Client opted to start at a pressure higher than the minimum required. Those results are listed under "Optional Performance".)</i>		
5.3.5	Forced Entry Resistance AAMA 1304 1330 N (300 lbf) point load		
	Top lock stile corner	No Entry	No Entry
	Bottom lock stile corner	No Entry	No Entry
	Above lock	No Entry	No Entry

**Test Results**

**Spec. 1**      **5105 mm (201.00 ") x 3048 mm (120.00") - Outswing Glazed Doors w/Sidelites (OXXO)**  
**Cont:**

**Optional Performance****5.3.4.2      Uniform Load Deflection Test @ Design Pressure ASTM E330**

Load Range	Time (Sec)	Load Pa (psf)	Loc	Deflection mm (inches)	Set mm (inches)	Allowable mm (inches)
Half Test Positive	10	1197 (25.00)				
Test Positive	10	2394 (50.00)	1	5.740 (0.226)	NA	(See Note #2)
			2	7.264 (0.286)	NA	(See Note #2)
Half Test Negative	10	1197 (25.00)				
Test Negative	10	2394 (50.00)	1	7.976 (0.314)	NA	(See Note #2)
			2	8.509 (0.335)	NA	(See Note #2)

**Note #2:**      *The deflections reported are not limited by AAMA/WDMA/CSA101/I.S.2/A440-08 and A440-11(A440S1-09) for this product designation. The deflection data is recorded in this report for special code compliance and information only*

**5.3.4.3      Uniform Load Structural Test @ 150% of Design Pressure ASTM E330**

Load Range	Time (Sec)	Load Pa (psf)	Loc	Deflection mm (inches)	Set mm (inches)	Allowable mm (inches)
Half Proof Positive	10	1796 (37.50)				
Proof Positive	10	3591 (75.00)	1	11.024 (0.434)	0.076 (0.003)	12.192 (0.480)
			2	12.751 (0.502)	0.025 (0.001)	12.192 (0.480)
			3	27.864 (1.097)	0.787 (0.031)	11.887 (0.468)
Half Proof Negative	10	1796 (37.50)				
Proof Negative	10	3591 (75.00)	1	10.617 (0.418)	0.178 (0.007)	12.192 (0.480)
			2	14.122 (0.556)	0.127 (0.005)	12.192 (0.480)
			3	29.870 (1.176)	0.102 (0.004)	11.887 (0.468)

**Note #3:**      *Deflection / Set for Locations 1 and 2 measured at center of mullions.  
Deflection/Set for Location 3 measured at center of door panel at latch stile.*

<u>Paragraph</u>	<u>Title of Test / Test Method</u>	<u>Results</u>	<u>Allowed</u>
5.3.2.1	Air Leakage Resistance (Exfiltration) ASTM E283	0.90 L/s/m <sup>2</sup>	
	Test conducted @ 75 Pa (1.57 psf)	0.180 scfm/ft <sup>2</sup>	0.3 scfm/ft <sup>2</sup>



**Test Results:**

**Specimen 1- 5105 mm (201.00 ") x 3048 mm (120.00") - Outswing Glazed Doors w/Sidelites (OXXO)**  
**ALT**

The test results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test / Test Method</u>	<u>Results</u>	<u>Allowed</u>
5.3.1.2.1	Force to Latch – Multipoint Locking Device	See Specimen 1 for Results	
5.3.2.1	Air Leakage Resistance (Infiltration) ASTM E283 Test conducted @ 75 Pa (1.57 psf)	See Specimen 1 for Results	
5.3.3.1	Limited Water Penetration Resistance ASTM E547 & ASTM E331	See Specimen 1 for Results	
5.3.4.2	Uniform Load Deflection Test @ Design Pressure ASTM E330		(See Note #1)
5.3.4.3	Uniform Load Structural Test @ 150% of Design Pressure ASTM E330		(See Note #1)
Note #1:	(Client opted to start at a pressure higher than the minimum required. Those results are listed under "Optional Performance".)		
5.3.5	Forced Entry Resistance AAMA 1304	See Specimen 1 for Results	

**Test Results**

**Spec. 1 ALT 5105 mm (201.00 ") x 3048 mm (120.00") - Outswing Glazed Doors w/Sidelites (OXXO)**  
**Cont:**

**Optional Performance****5.3.4.2 Uniform Load Deflection Test @ Design Pressure ASTM E330**

Load Range	Time (Sec)	Load Pa (psf)	Loc	Deflection mm (inches)	Set mm (inches)	Allowable mm (inches)
Half Test Positive	10	1317 (27.50)				
Test Positive	10	2633 (55.00)	1	8.763 (0.345)	NA	(See Note #2)
Half Test Negative	10	1317 (27.50)				
Test Negative	10	2633 (55.00)	1	10.795 (0.425)	NA	(See Note #2)

**Note #2:** *The deflections reported are not limited by AAMA/WDMA/CSA101/I.S.2/A440-08 and A440-11(A440S1-09) for this product designation. The deflection data is recorded in this report for special code compliance and information only*

**5.3.4.3 Uniform Load Structural Test @ 150% of Design Pressure ASTM E330**

Load Range	Time (Sec)	Load Pa (psf)	Loc	Deflection mm (inches)	Set mm (inches)	Allowable mm (inches)
Half Proof Positive	10	2155 (41.25)				
Proof Positive	10	4309 (82.50)	1	13.157 (0.518)	1.041 (0.041)	12.192 (0.480)
			2	33.528 (1.320)	5.004 (0.197)	11.887 (0.468)
Half Proof Negative	10	2155 (41.25)				
Proof Negative	10	4309 (82.50)	1	13.335 (0.525)	0.356 (0.014)	12.192 (0.480)
			2	30.302 (1.193)	0.762 (0.030)	11.887 (0.468)

**Note #3:** *Deflection / Set for Location 1 measured at center of mullion.  
Deflection/Set for Location 2 measured at center of door panel at latch stile.*

## 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 the client or of installed field performance.

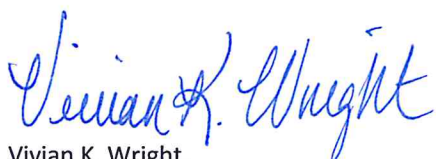
This test report does not constitute certification of this product, but only that the above test results were obtained using the designated test methods and they indicate compliance with the performance requirements (paragraphs as listed) of the above referenced specifications.

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,  
President

## Revision Log

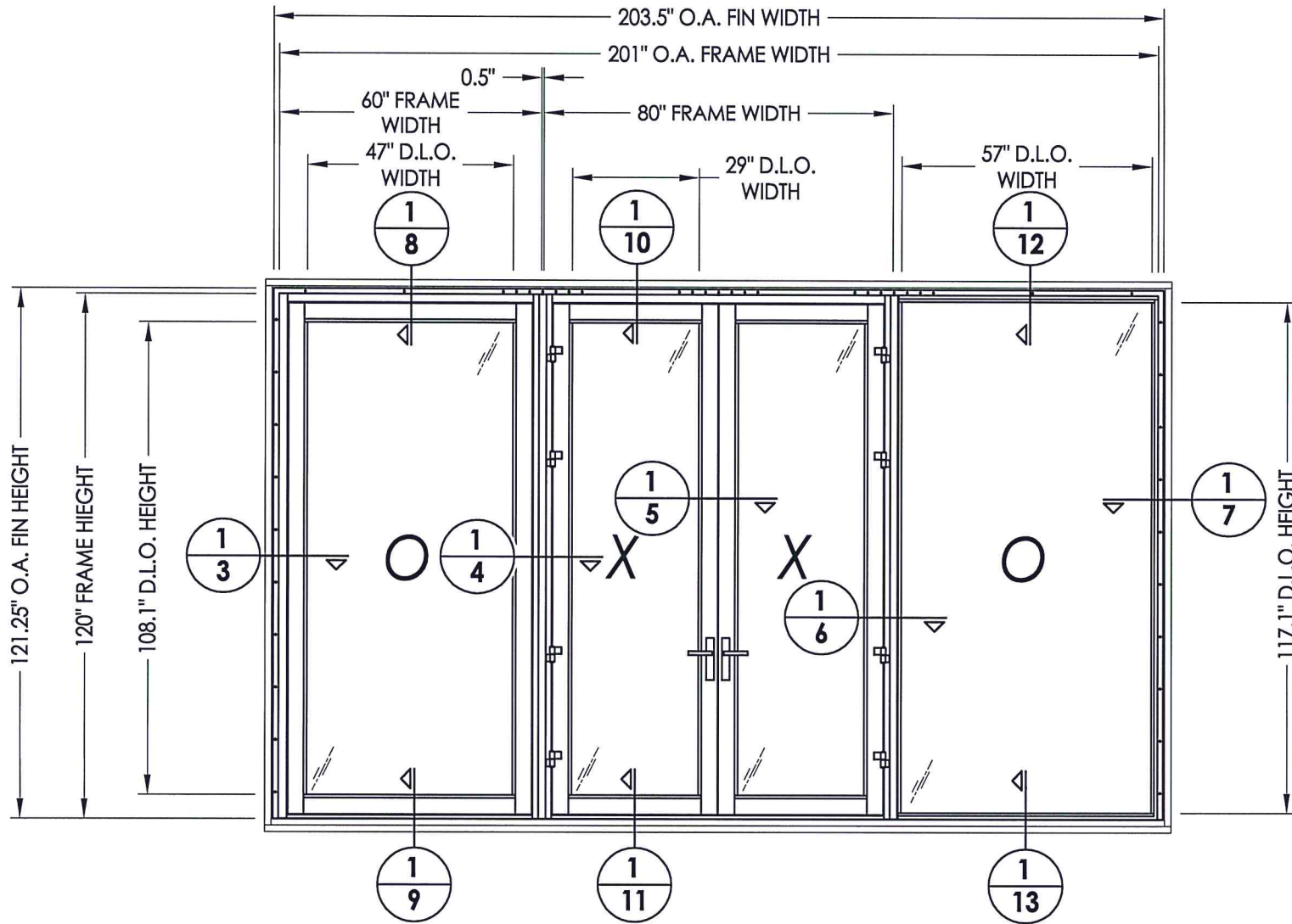
<u>Rev Number</u>	<u>Date</u>	<u>Pages</u>	<u>Revision(s)</u>
0	6/26/2015	NA	Original Report Issue



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12	Vertical cross sections
13	Vertical cross sections
14	Frame anchoring
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16	Components and glazing detail
17	Components
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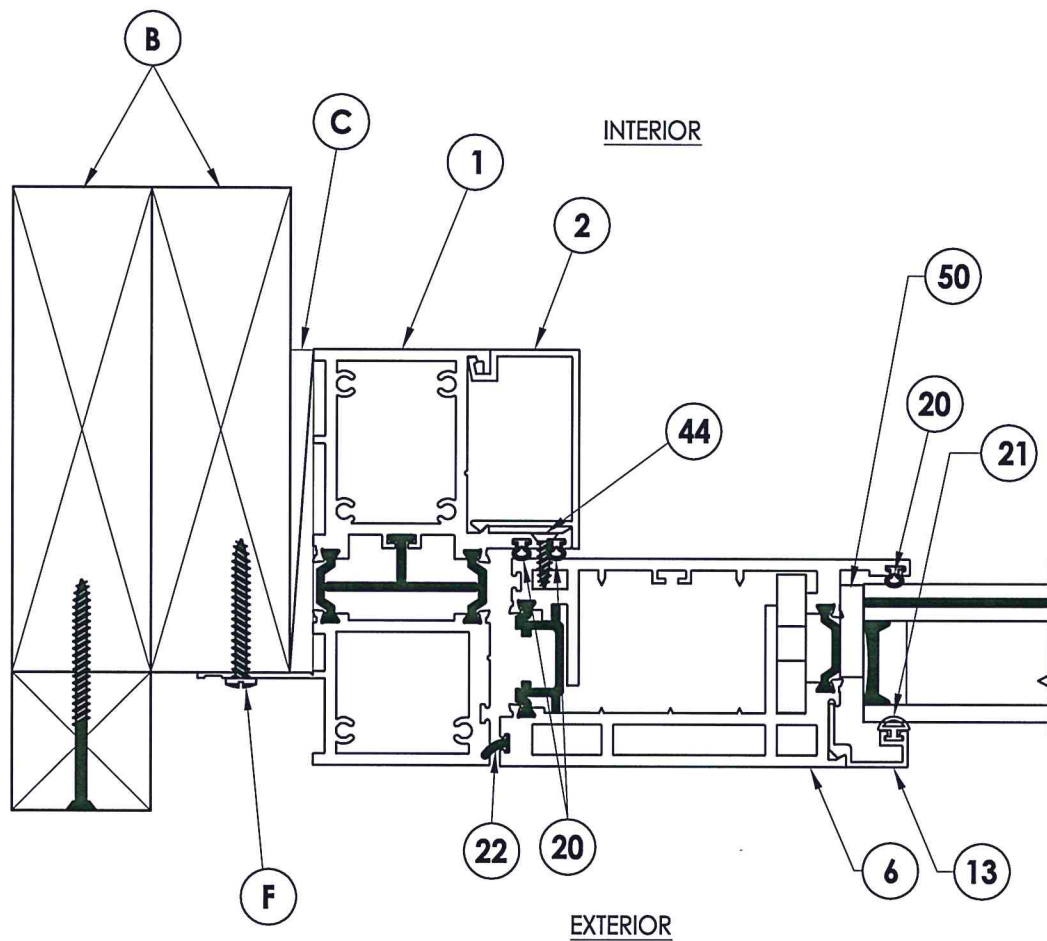
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Specimen Complies with Drawing  
Deviations Noted - TEL# 01991316  
Date 6/26/15 Verified by gld

[illegible]



Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01991316  
 Date 6/26/15 Verified by *gzw*

PRODUCT: FLEETWOOD SPEC. 1		PART OR ASSEMBLY: TEST ELEVATIONS	



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

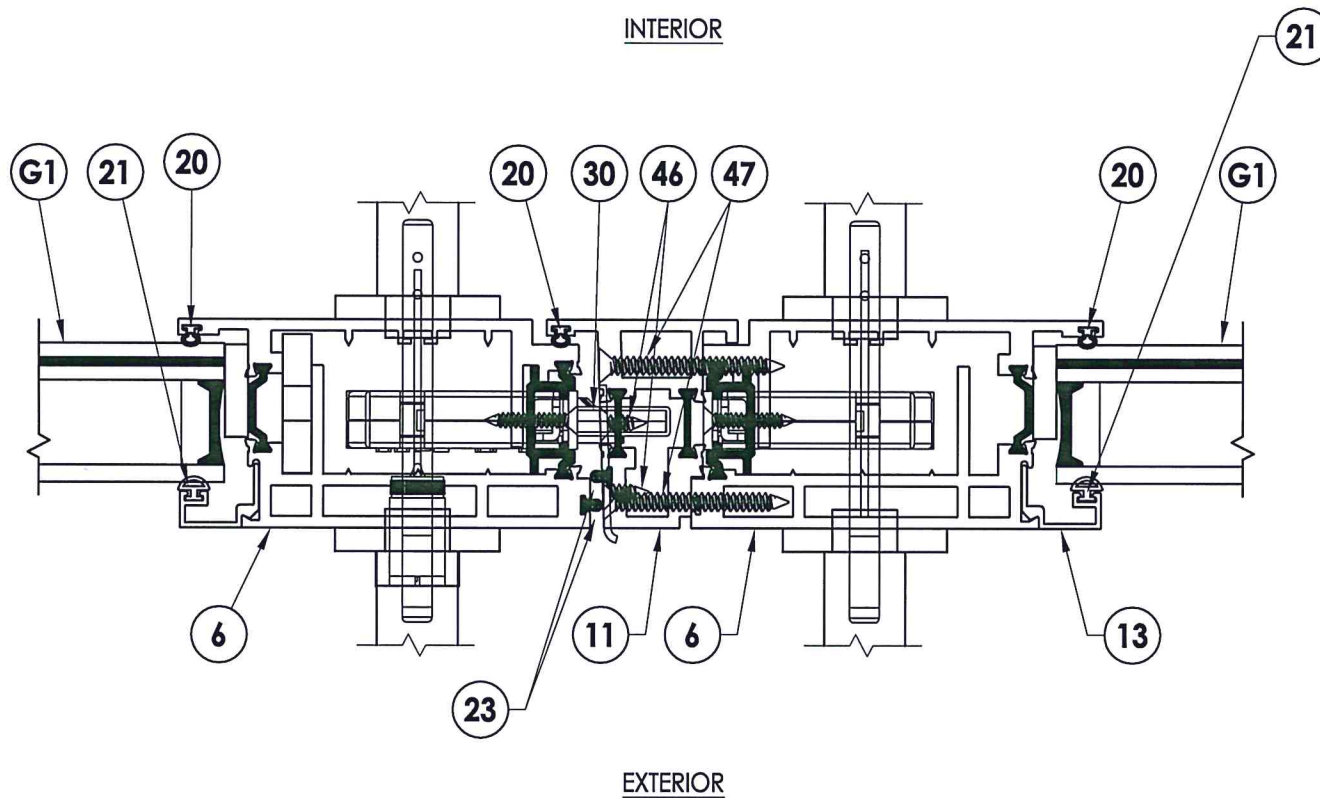
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Deviations Noted - TEL# 01991316  
Date 6/26/15 Verified by gzw

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

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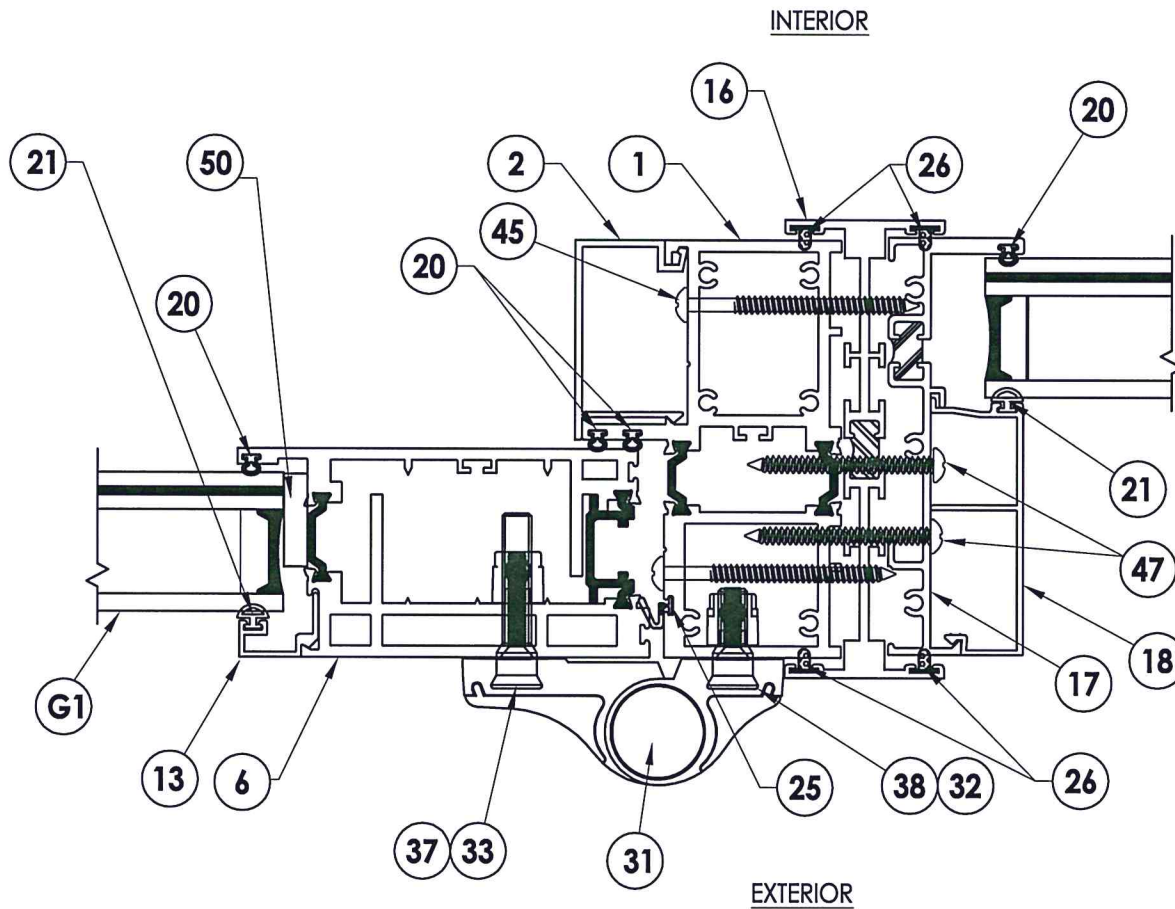




Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991316  
Date 6/26/15 Verified by gjd

**1**  
**5** **HORIZONTAL CROSS SECTION**

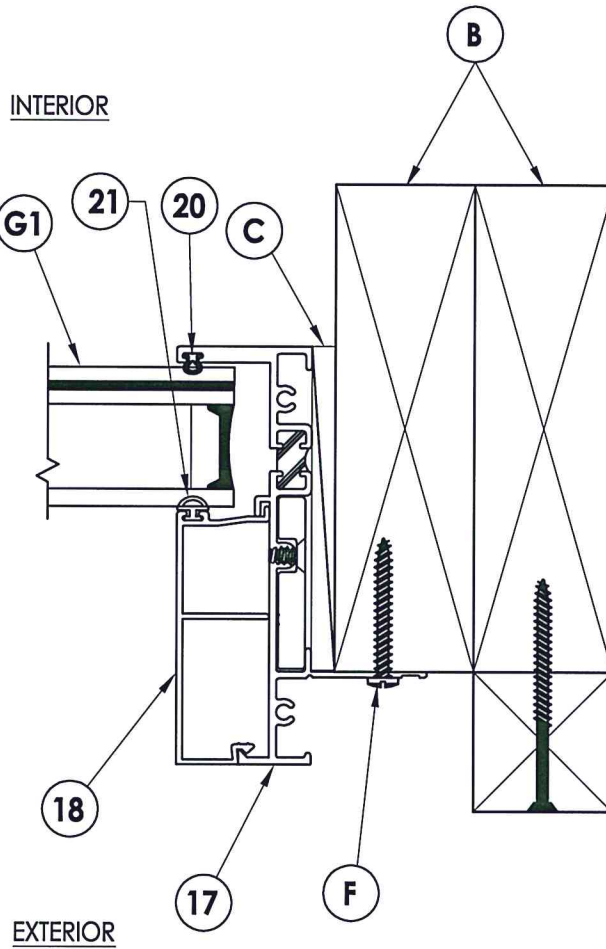
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PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
NO.	DATE	BY	REVISIONS
<b>RW</b> BUILDING CONSULTANTS, INC. 813.659.9197			
DATE: 4/2/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7347			
SHEET 5 OF 18			



**1**  
**6** **HORIZONTAL CROSS SECTION**


Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991316  
Date 6/26/15 Verified by *gjd*


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		NO.	DATE
		BY	REVISIONS
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DATE: 4/2/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7347			
SHEET 6 OF 18			

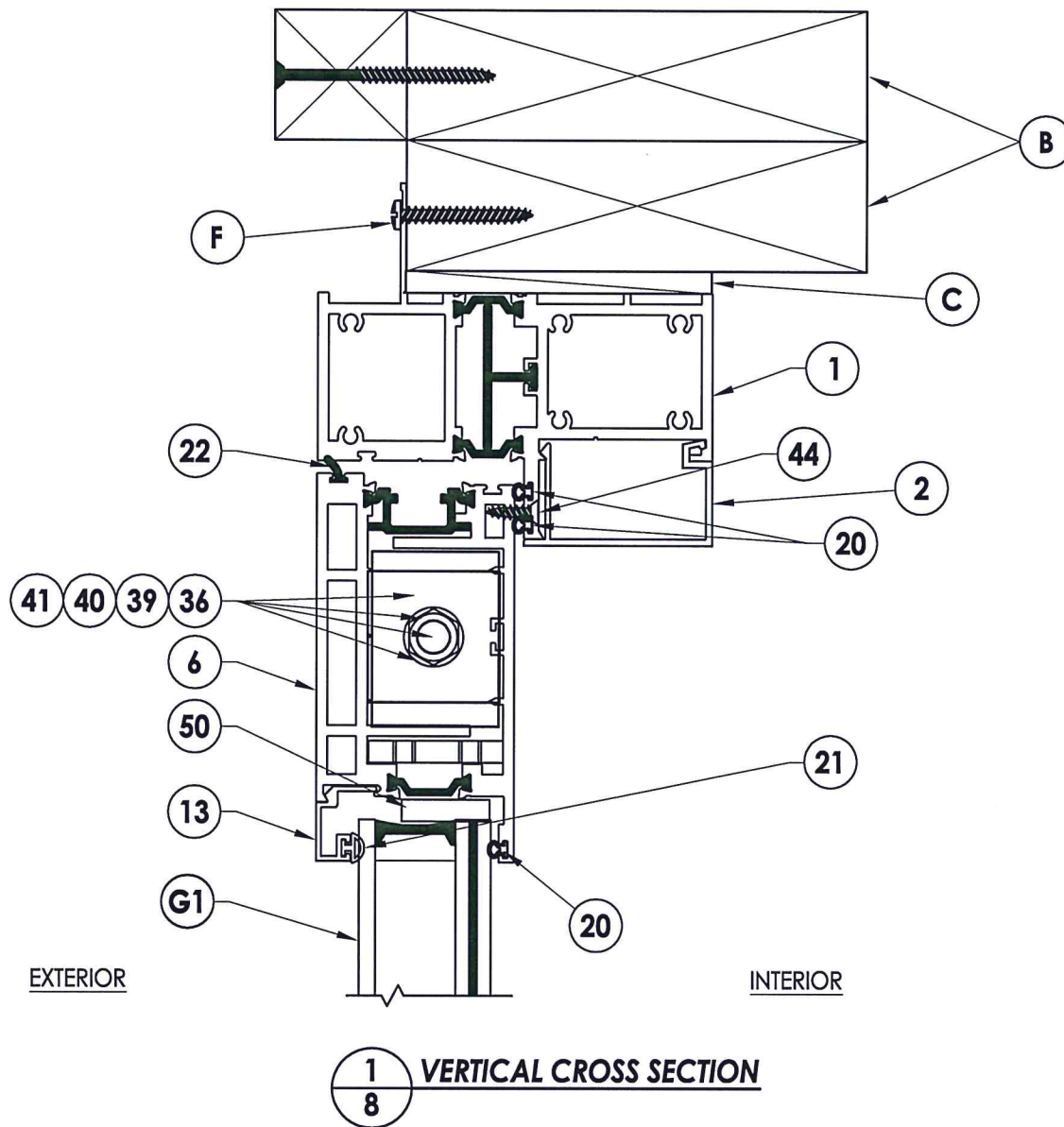



EXTERIOR

**1** **HORIZONTAL CROSS SECTION**  
**7**

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991316  
Date 6/26/15 Verified by 


 <b>BUILDING CONSULTANTS, INC.</b> 813.659.9197		PRODUCT: <b>FLEETWOOD SPEC. 1</b>	
DATE: <b>4/2/15</b>		PART OR ASSEMBLY: <b>HORIZONTAL CROSS SECTIONS</b>	
SCALE: <b>N.T.S.</b>			
DWG. BY: <b>JK</b>			
CHK. BY: <b>LFS</b>			
DRAWING NO.: <b>L-7347</b>			
SHEET <b>7</b> OF <b>18</b>		NO. <b>DATE</b> BY <b>REVISIONS</b>	



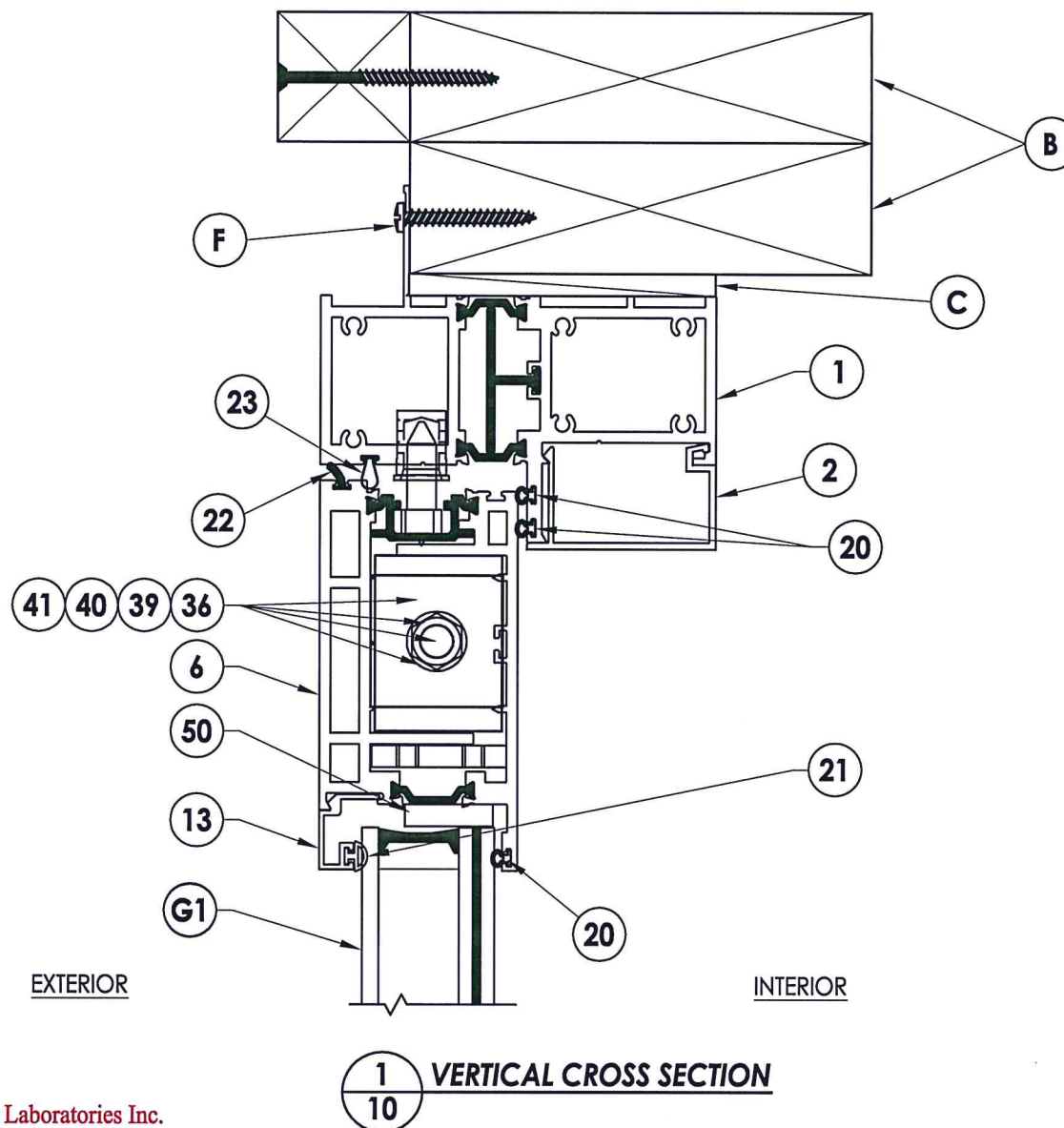
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Specimen Complies with Drawing  
Deviations Noted - TEL# 01991316  
Date 6/26/15 Verified by 

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Deviations Noted - TEL# 01991316  
Date 6/26/15 Verified by 

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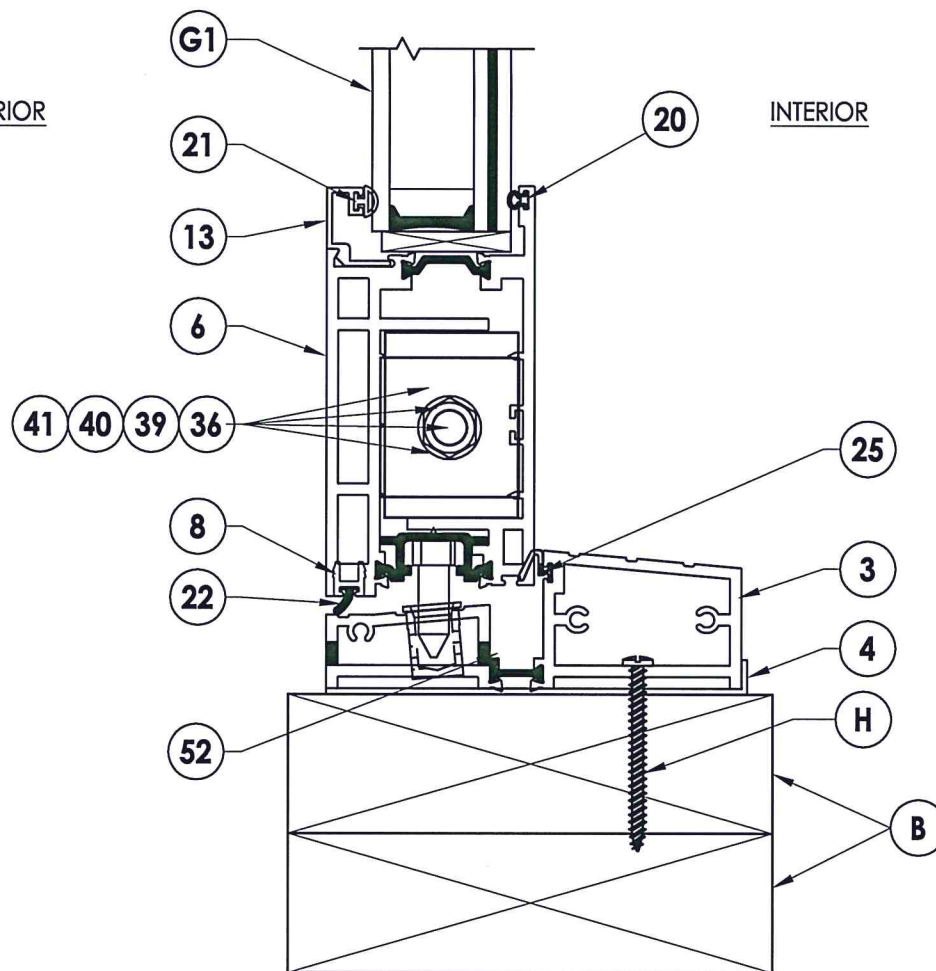


Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991316  
Date 6/26/15 Verified by *g*

[illegible]

EXTERIOR

INTERIOR



**1** **VERTICAL CROSS SECTION**  
**11**

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991316  
Date 6/26/15 Verified by g

**PRODUCT:**

FLEETWOOD  
SPEC. 1

**PART OR ASSEMBLY:**

## VERTICAL CROSS SECTIONS

## REVISIONS

NO.	DATE
-----	------

**RW BUILDING  
CONSULTANTS, INC.**  
813.659.9197

DATE: 4/2/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

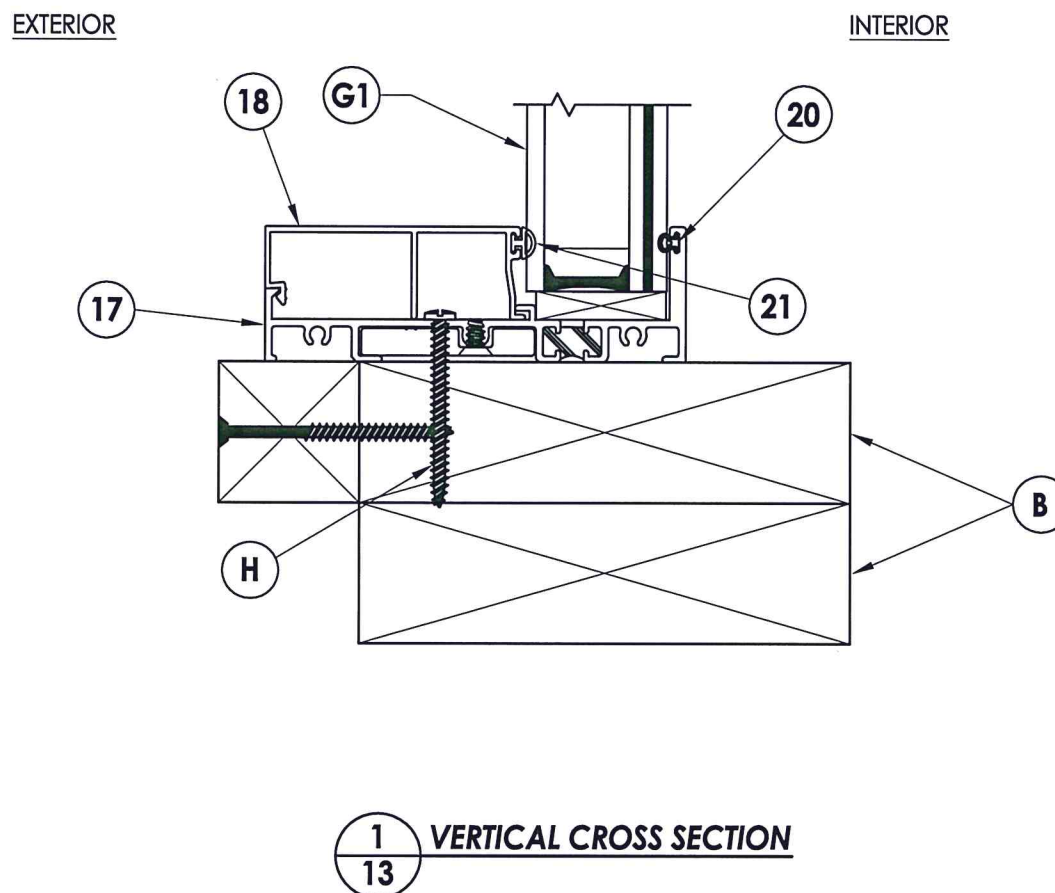
L-7347

SHEET 11 OF 18

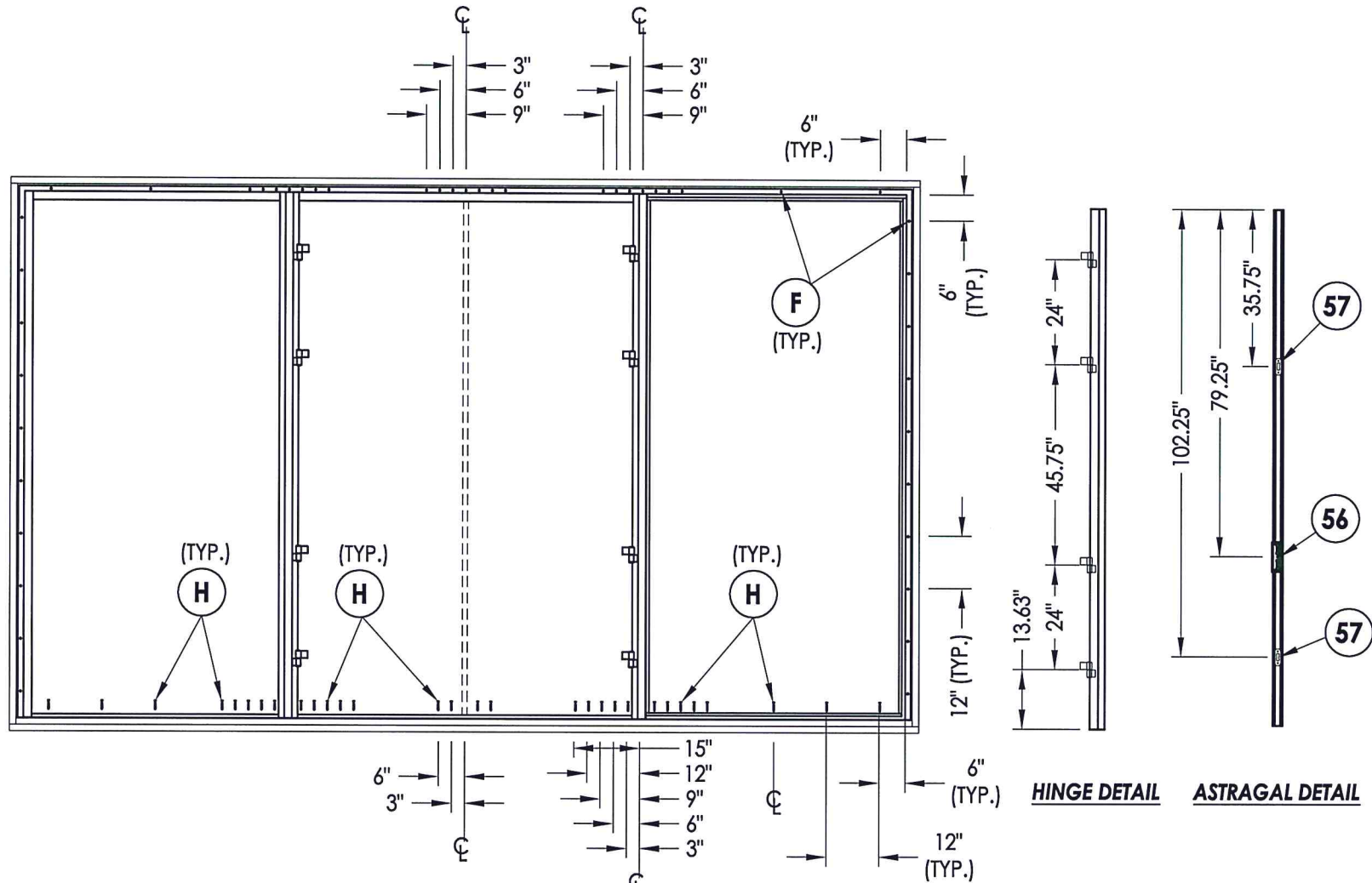


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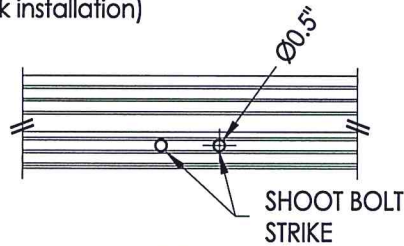




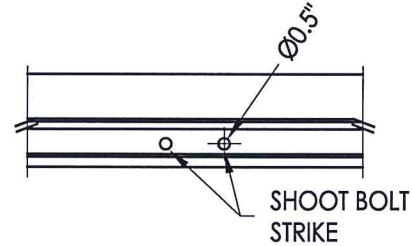
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**FRAME ANCHORING**  
(2X buck installation)



**DETAIL 2**



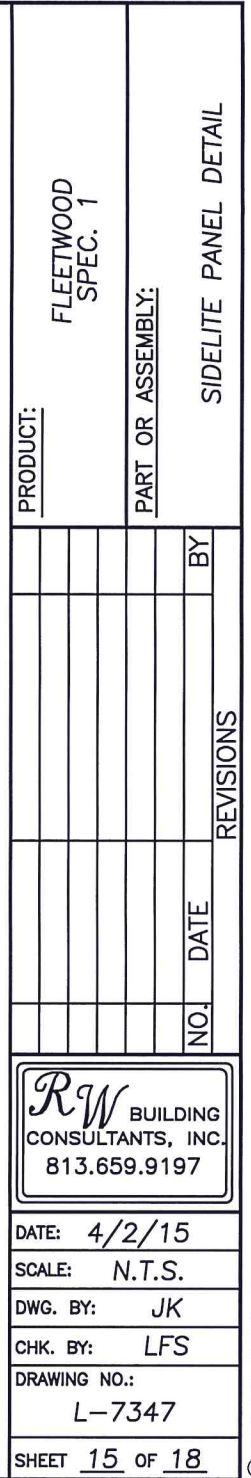
**DETAIL 1**

**HINGE DETAIL**

**ASTRAGAL DETAIL**

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991316  
Date 6/26/15 Verified by gws

PRODUCT: FLEETWOOD SPEC. 1		PART OR ASSEMBLY: FRAME ANCHORING	
NO.	DATE	REVISIONS	BY
<div style="border: 1px solid black; padding: 5px; text-align: center;"> <b>RW</b> BUILDING CONSULTANTS, INC. 813.659.9197         </div>			
DATE: 4/2/15			
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DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7347			
SHEET 14 OF 18			






Diagram showing the cross-section of a 1000 Series Aluminum Extrusion. The dimensions are 0.69" (width) and 0.85" (height). The extrusion has a T-shaped profile with a flange width of 0.69 inches and a total height of 0.85 inches. The flange thickness is 0.055 inches.

1-1/2" THICK GLASS

3/16" HEAT STRENGTHENED GLASS

0.090" DuPont Sentryglas® Interlayer

3/16" HEAT STRENGTHENED GLASS

AIR SPACE

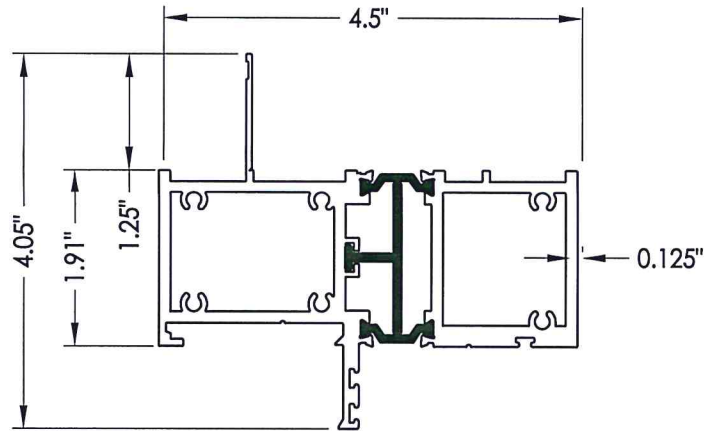
1/4" TEMPERED GLASS

.5" GLASS BITE

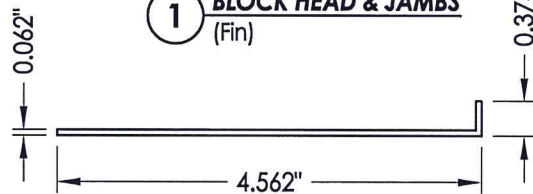
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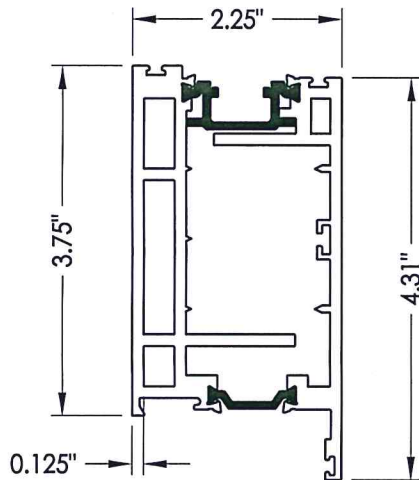
Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01991316  
 Date 6/26/15 Verified by *gjs*



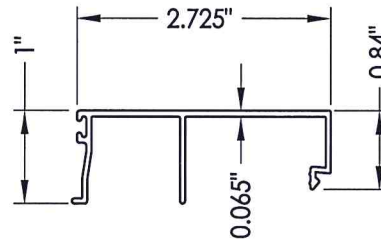
**1 BLOCK HEAD & JAMBS**  
(Fin)



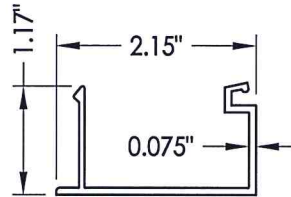
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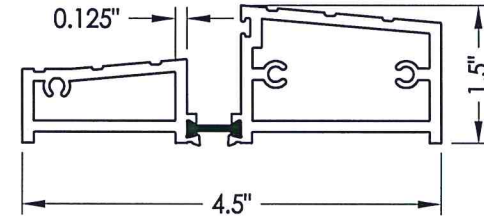
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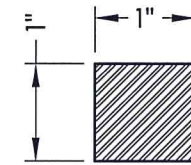
**18 KONA 1-1/2" GLASS STOP**



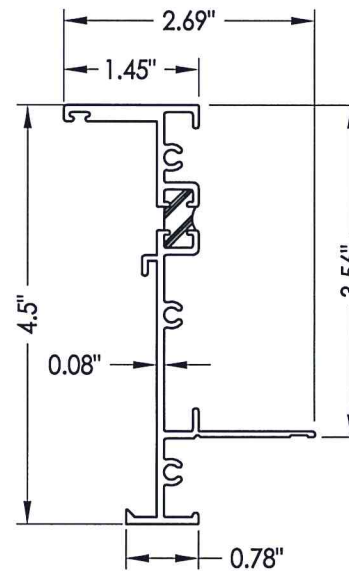
**2 FRAME SNAP-IN**



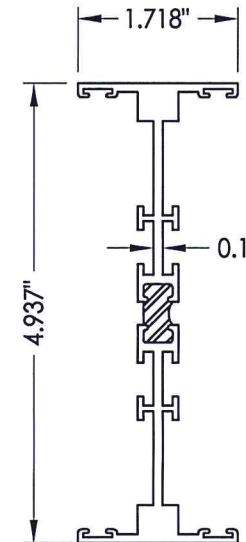
**3 OUT-SWING SILL**



**51 REINFORCEMENT**  
6063-T6 ALUM



**17 KONA FRAME**  
(Fin)



**16 KONA I-MULLION**

PRODUCT:

FLEETWOOD  
SPEC. 1

PART OR ASSEMBLY:

COMPONENTS

BY

REVISIONS

NO.

DATE

**RW** BUILDING  
CONSULTANTS, INC.  
813.659.9197

DATE: 4/2/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

L-7347

SHEET 17 OF 18


BILL OF MATERIALS			
ITEM #	DESCRIPTION	PART#	MATERIAL
B	2X BUCK SG >= 0.55	-	WOOD
C	1/4" MAX. SHIM SPACE	-	-
F	#10 x 2" PPH WOOD SCREW	-	STEEL
G	#8 x 2" PPH WOOD SCREW	-	STEEL
H	#8 x 2" PPH WOOD SCREW	-	STEEL
1	FRAME	3911	6063-T6 ALUM
2	FRAME SNAP-IN	3912	6063-T6 ALUM
3	OUT-SWING SILL	3202	6063-T6 ALUM
4	SILL PAN	-	SHEET METAL (ALUMINUM)
6	SASH	3902	6063-T6 ALUM
11	ASTRAGAL	3905	6063-T6 ALUM
13	1.5" GLASS STOP	3908	6063-T6 ALUM
16	KONA I-MULLION	3082	6063-T6 ALUM
17	KONA FRAME	3805	6063-T6 ALUM
18	1-1/2" GLASS STOP	-	6063-T6 ALUM
20	BULB VINYL - SMALL (EPDM 70 Durometer)	-	TREMCO
21	BULB VINYL - LARGE (EPDM 70 Durometer)	25031	TREMCO, # TX19638E
22	FOAM SEAL	25196	EMESBURY, # 32390
23	Q-LON FOAM SEAL	25189	SCHLEGEL CORP., # Q225T190
25	Q-LON FOAM SEAL	25059	SCHLEGEL CORP., # QEZ 376
26	Q-LON FOAM SEAL	19120	SCHLEGEL CORP., # U 5212
30	LOCKING HARDWARE (5 point lock)	-	TRUTH
31	BUTT HINGE	-	SAVIO
32	BACK UP KIT	20535	SAVIO
33	HINGE BOLT, 8M X 48MM (FOR PANEL)	25026	SAVIO
36	BACK UP PLATE FOR CORNER BLOCK	25025	-
37	MACHINE SCREW NO 10-32, FHP 1.125"	25074	STAINLESS STEEL
38	MACHINE SCREW NO 10-32, FHP .75"	25073	STAINLESS STEEL
39	HEX HEAD CAP SCREW .375-16, 2.250"	25175	STAINLESS STEEL
40	.375-16 SS. HEX NUT	25023	STAINLESS STEEL
41	.375 SPLIT LOCK WASHER	25024	STAINLESS STEEL
42	.375-16 SS. HEX NUT	25176	STAINLESS STEEL
44	#8 x 1/2" PFH SMS	-	STEEL
45	SCREW NO 10, FHP 2-1/2"	-	STAINLESS STEEL
46	SCREW NO 10, UFHP .5"	20275	STAINLESS STEEL
47	SCREW NO 10, FHP 2"	20298	STAINLESS STEEL
48	#8 x 1" PFH SMS	-	STEEL
49	#10 x 3" PFH SMS	-	STEEL
50	4" LONG SETTING BLOCK	18620	-
51	REINFORCEMENT (1" X 1")	-	6063-T6 ALUM
52	ANCHOR BLOCK	-	6063-T6 ALUM
55	FIXED SILL BLOCK	-	6063-T6 ALUM
56	LATCH AND DEADBOLT STRIKE PLATE	-	-
57	STRIKE PLATE	-	-

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991316  
Date 6/26/15 Verified by *aw*

[illegible]

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Table of contents
2	Test elevation
3	Horizontal cross sections
4	Horizontal cross sections
5	Horizontal cross sections
6	Vertical cross sections
7	Vertical cross sections
8	Vertical cross sections
9	Vertical cross sections
10	Frame anchoring
11	Sidelite panel detail
12	Components and glazing detail
13	Components
14	Bill of materials

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991316  
Date 6/26/15 Verified by gzw

<b>PRODUCT:</b>  FLEETWOOD SPEC. 1 Alt							
<b>PART OR ASSEMBLY:</b>  TABLE OF CONTENTS							
<div style="text-align: center;">  <p>BUILDING CONSULTANTS, INC. 813.659.9197</p> </div>							
DATE: 4/2/15							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: L-7347-A							
SHEET 1 OF 14							



[illegible]

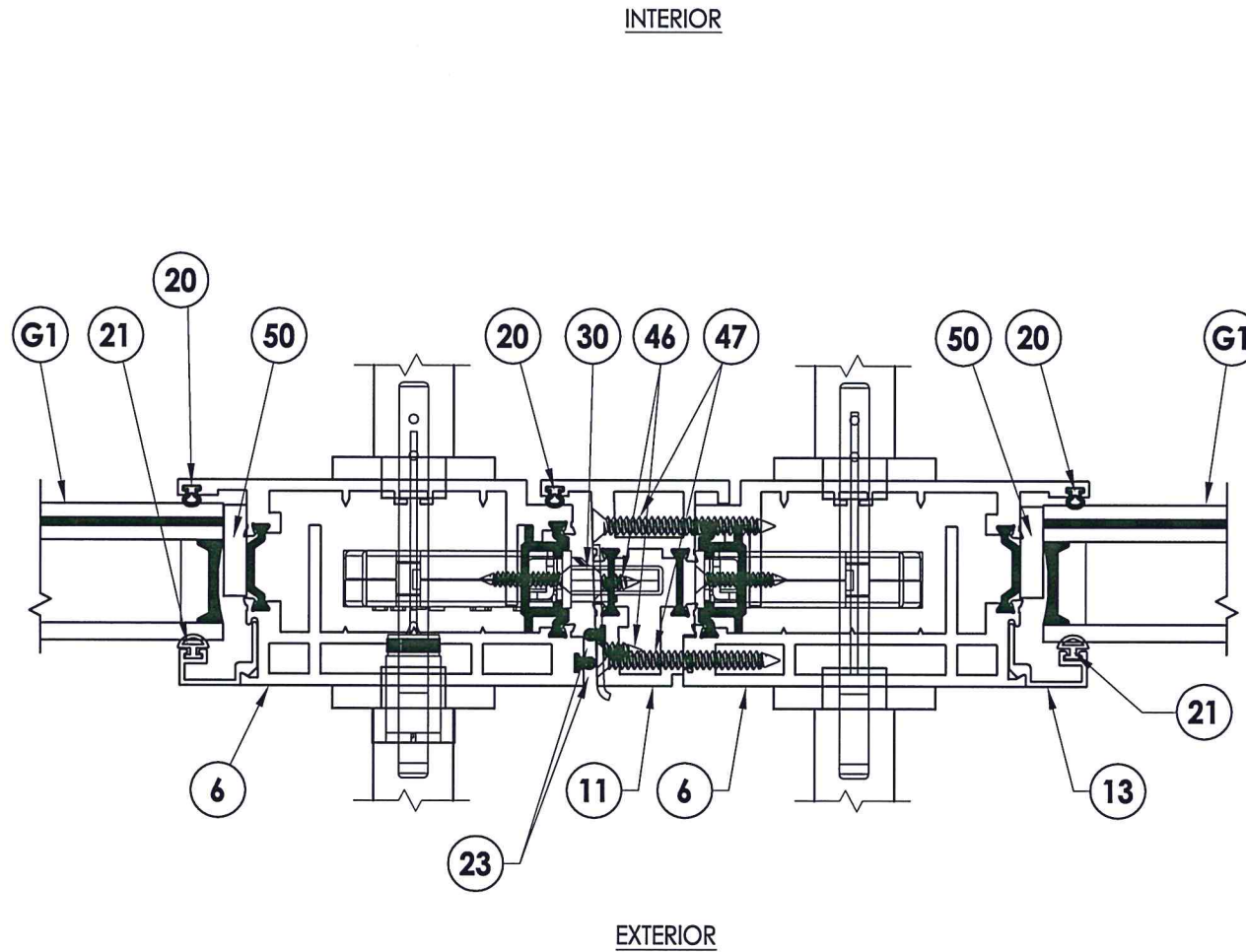


**1** **HORIZONTAL CROSS SECTION**  
**3**

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

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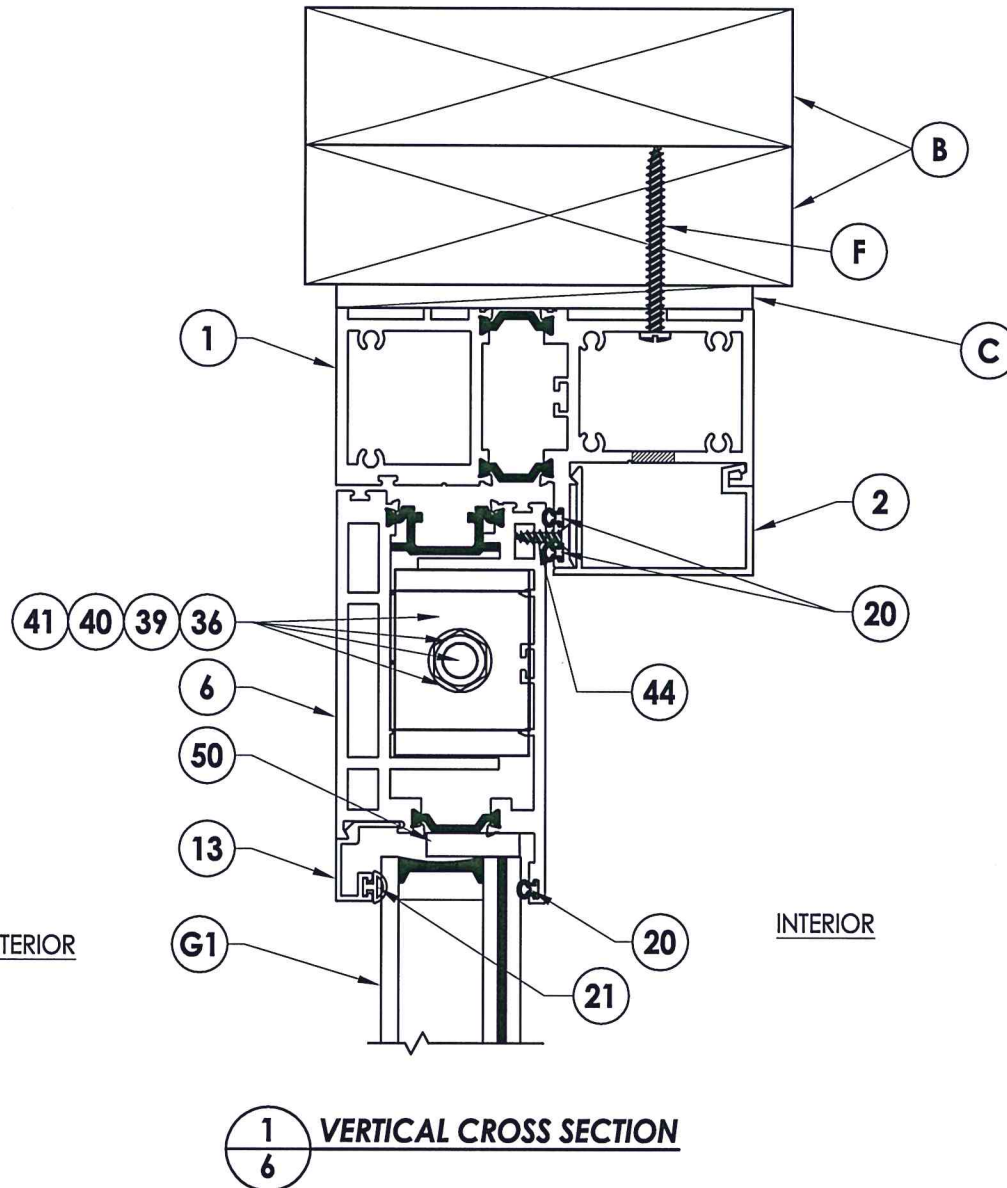


**1**  
**5** **HORIZONTAL CROSS SECTION**

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991316  
Date 6/26/15 Verified by *gw*

PRODUCT: FLEETWOOD SPEC. 1 Alt		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
		NO.	DATE
		BY	REVISIONS
<div> <div>RW</div> <div>BUILDING CONSULTANTS, INC.</div> <div>813.659.9197</div> </div>		<div>DATE: 4/2/15</div> <div>SCALE: N.T.S.</div> <div>DWG. BY: JK</div> <div>CHK. BY: LFS</div> <div>DRAWING NO.: L-7347-A</div> <div>SHEET 5 OF 14</div>	

INTERIOR



Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991316  
Date 6/26/15 Verified by *aw*

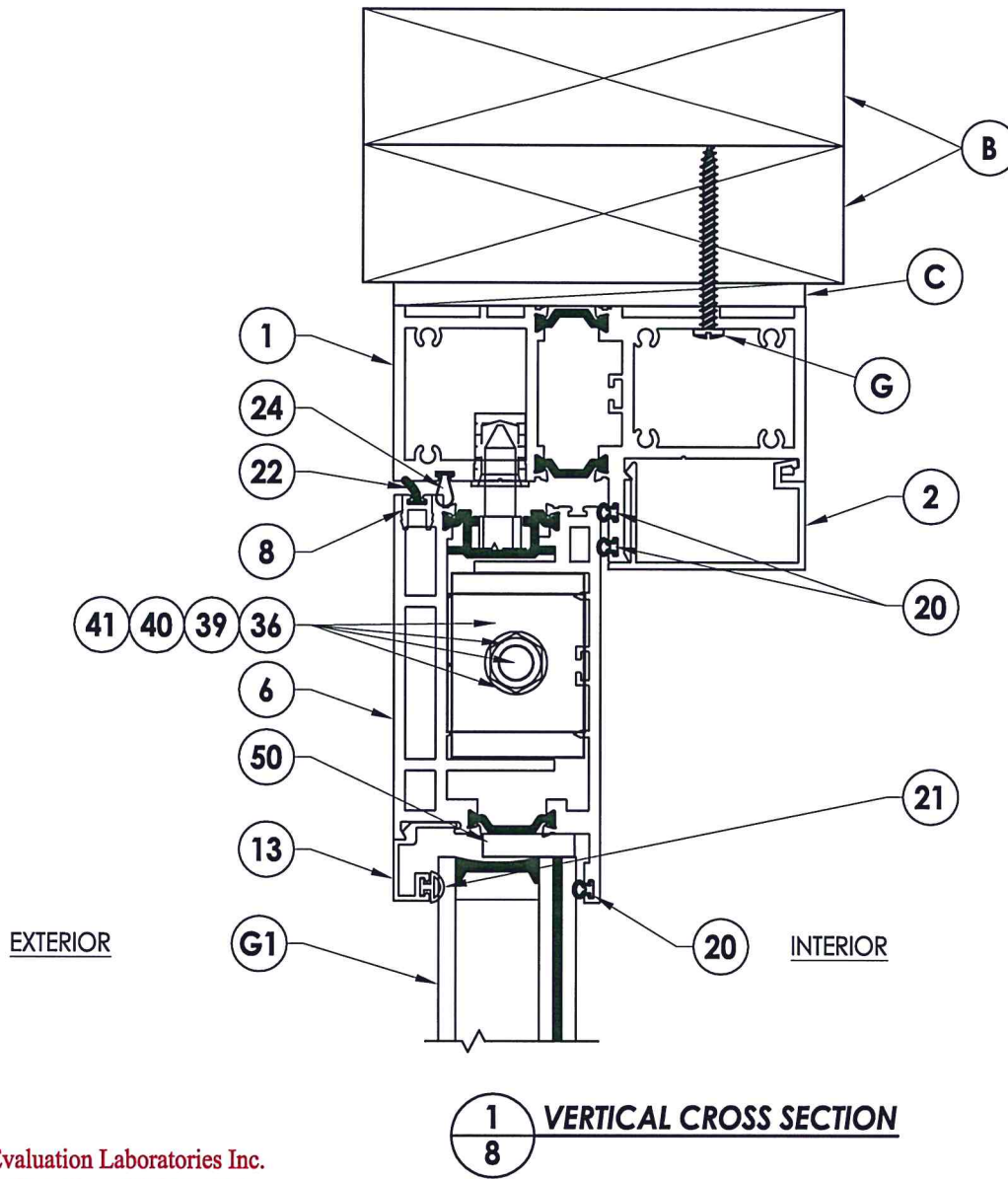
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DATE: 4/2/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7347-A			
SHEET 6 OF 14			


PRODUCT:		FLEETWOOD SPEC. 1 Alt	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	



**1** **VERTICAL CROSS SECTION**  
**7**

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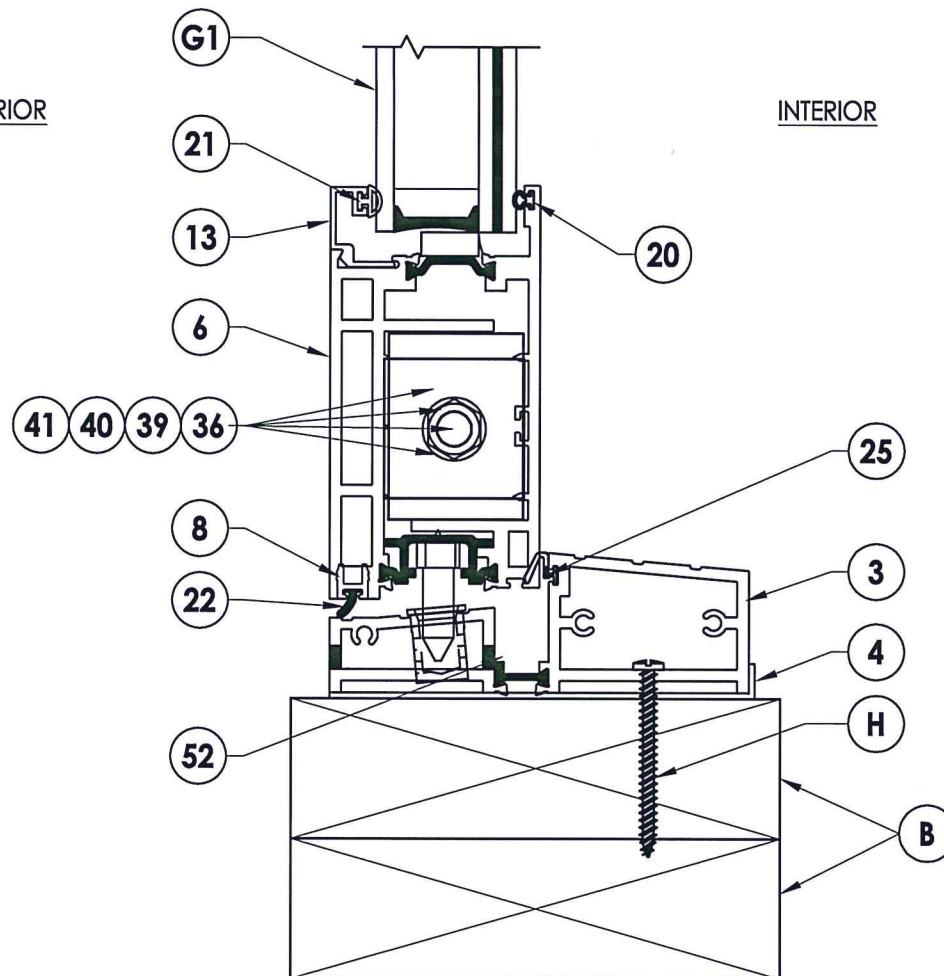


Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991316  
Date 6/26/15 Verified by 

**1**  
**8** **VERTICAL CROSS SECTION**

<b><i>RW</i></b> BUILDING CONSULTANTS, INC. 813.659.9197					
DATE:	4/2/15				
SCALE:	N.T.S.				
DWG. BY:	JK				
CHK. BY:	LFS				
DRAWING NO.:	L-7347-A				
SHEET	8	OF	14		

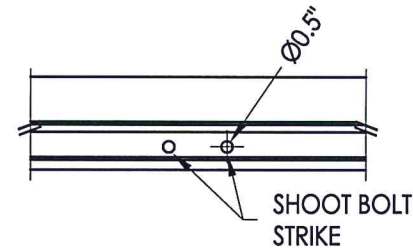
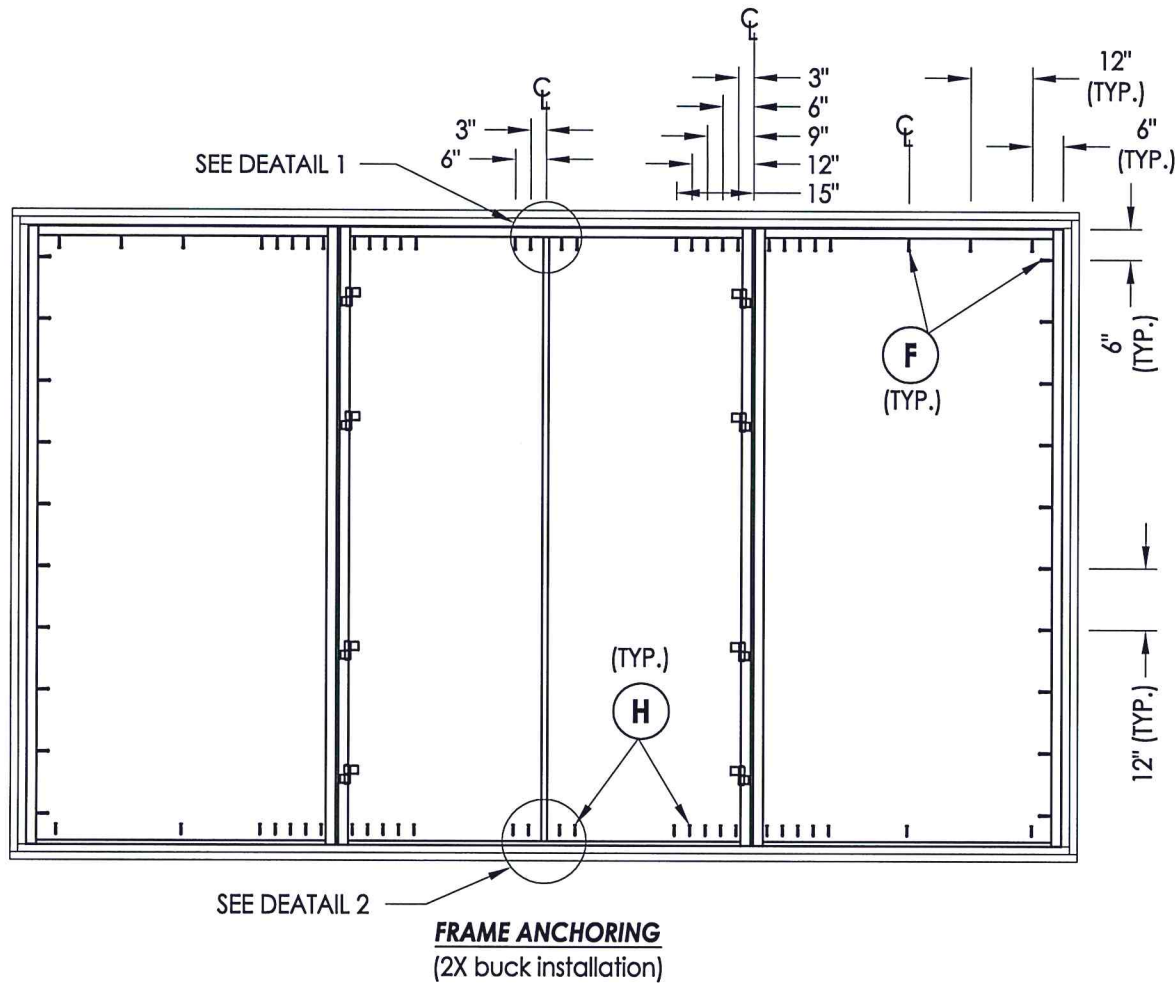
INTERIOR



**1** **VERTICAL CROSS SECTION**  
**9**

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991316  
Date 6/26/15 Verified by g

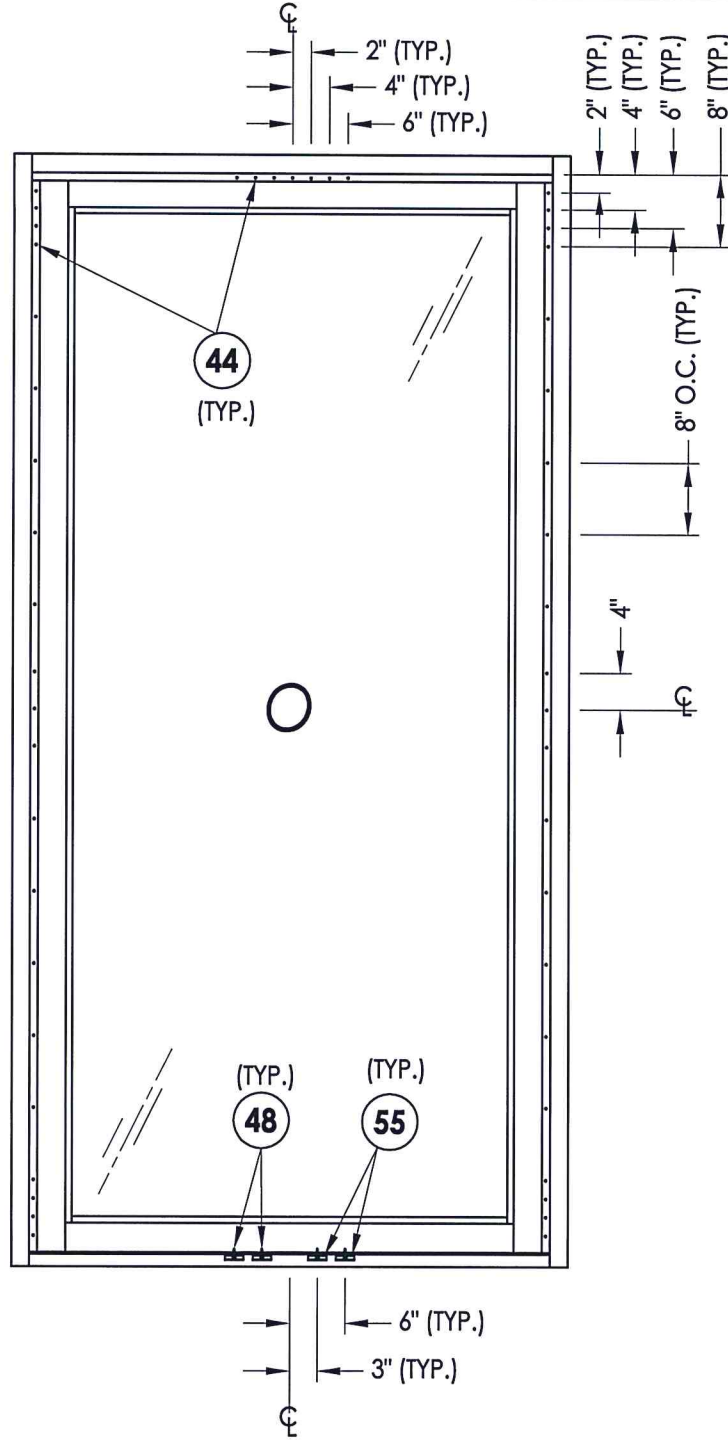
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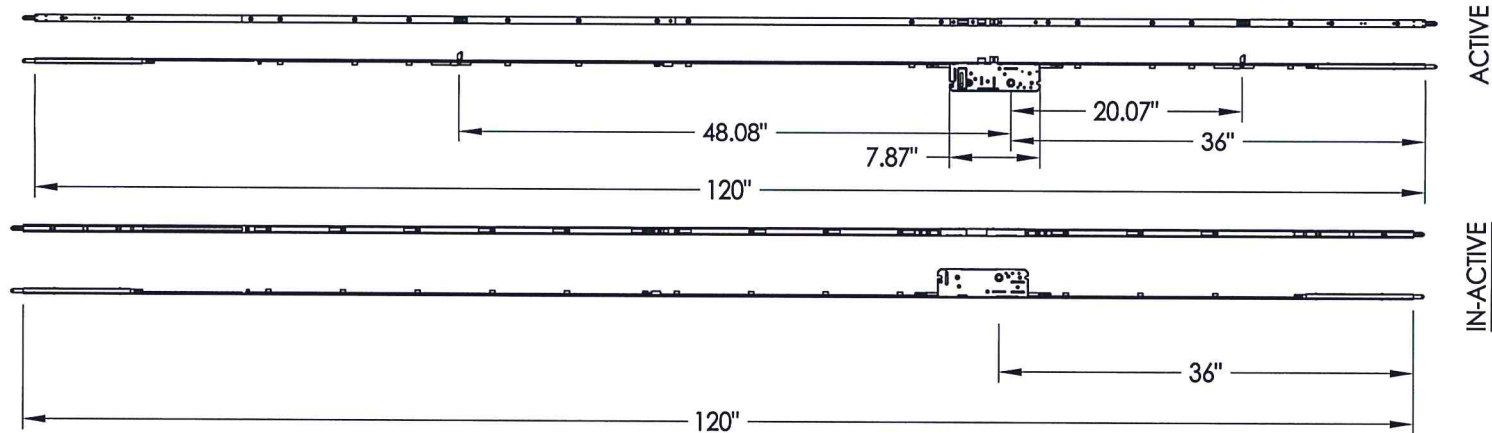
SHEET 10 OF 14



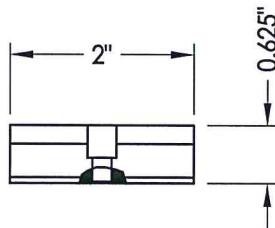
Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01991316  
 Date 6/26/15 Verified by g



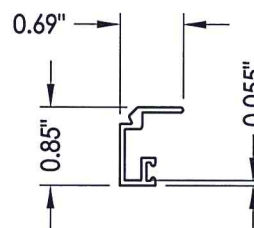
PRODUCT:		FLEETWOOD SPEC. 1 Alt	
PART OR ASSEMBLY:		SIDEITE PANEL DETAIL	
NO.	DATE	REVISIONS	BY
<div> <div>RW</div> <div>BUILDING CONSULTANTS, INC. 813.659.9197</div> </div>			
DATE: 4/2/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7347-A			
SHEET 11 OF 14			



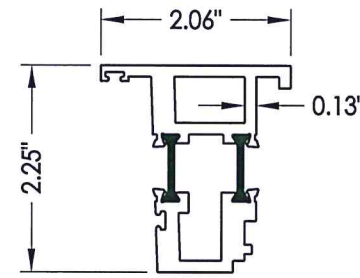
**30 MULTI-POINT LOCK**  
TRUTH



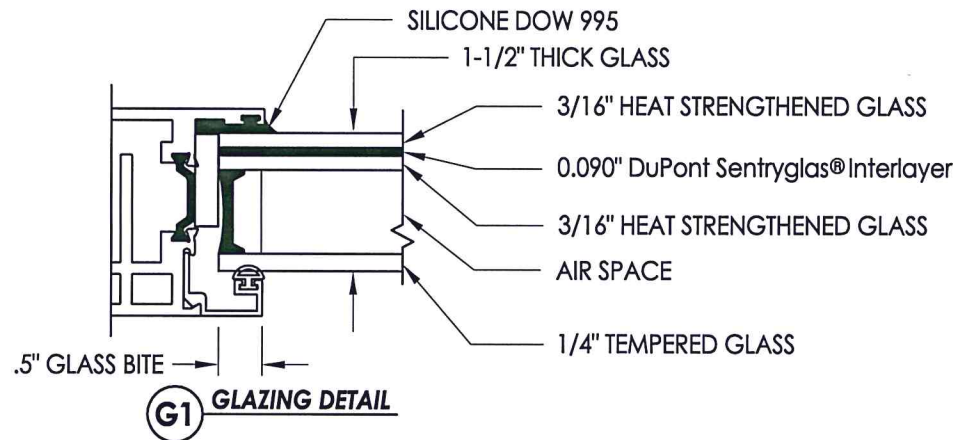
**55 FIXED SILL BLOCK**



**13 1.5" GLASS STOP**



**11 ASTRAGAL**



**G1 GLAZING DETAIL**

PRODUCT: **FLEETWOOD  
SPEC. 1 Alt**

PART OR ASSEMBLY:

COMPONENTS AND GLAZING DETAIL

NO.	DATE	BY	REVISIONS

**RW BUILDING  
CONSULTANTS, INC.**  
813.659.9197

DATE: **4/2/15**

SCALE: **N.T.S.**

DWG. BY: **JK**

CHK. BY: **LFS**

DRAWING NO.:  
**L-7347-A**

SHEET **12** OF **14**

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991316  
Date 6/26/15 Verified by JD

A diagram of a square element with side length  $l$ . The vertical dimension is labeled  $l$  and the horizontal dimension is labeled  $l$ . The square is filled with diagonal hatching lines.

Figure 1 is a schematic diagram of the test specimen. It is a long, thin rectangular plate with a total length of 4.562 inches and a thickness of 0.062 inches. At the right end, there is a vertical flange with a height of 0.374 inches. The diagram shows the specimen from a side perspective, with dimension lines indicating the length, thickness, and flange height.


Technical drawing of a 1000 Series extrusion cross-section. The drawing shows a U-shaped profile with a top flange and a bottom flange. The top flange has a width of 2.25 inches and a height of 0.125 inches. The bottom flange has a height of 0.125 inches. The total height of the profile is 4.31 inches. The distance between the inner vertical walls is 3.75 inches. The drawing also shows internal features like a central cavity and a small rectangular slot in the bottom flange.

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991316  
Date 6/26/15 Verified by gsw

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BILL OF MATERIALS			
ITEM #	DESCRIPTION	PART#	MATERIAL
B	2X BUCK SG >= 0.55	-	WOOD
C	1/4" MAX. SHIM SPACE	-	-
F	#10 x 2" PFH WOOD SCREW	-	STEEL
H	#10 x 2" PPH WOOD SCREW	-	STEEL
1	FRAME	3911	6063-T6 ALUM
2	FRAME SNAP-IN	3912	6063-T6 ALUM
3	OUT-SWING SILL	3202	6063-T6 ALUM
4	SILL PAN	-	SHEET METAL (ALUMINUM)
6	SASH	3902	6063-T6 ALUM
8	ATLANTIC SEAL CLIP	3916	6063-T6 ALUM
9	CORNER BLOCK (CUT FROM 3906)	25167	6063-T6 ALUM
10	SASH YOKE	3902	6063-T6 ALUM
11	ASTRAGAL	3905	6063-T6 ALUM
13	1.5" GLASS STOP	3908	6063-T6 ALUM
16	KONA I-MULLION	3082	6063-T6 ALUM
21	BULB VINYL - LARGE (EPDM 70 Durometer)	25031	TREMCO, # TX19638E
22	FOAM SEAL	25196	EMESBURY, # 32390
23	Q-LON FOAM SEAL	25189	SCHLEGEL CORP., # Q225T190
25	Q-LON FOAM SEAL	25059	SCHLEGEL CORP., # QEZ 376
26	Q-LON FOAM SEAL	19120	SCHLEGEL CORP., # U 5212
30	LOCKING HARDWARE (5 point lock)	-	TRUTH
31	BUTT HINGE	-	SAVIO
32	BACK UP KIT	20535	SAVIO
33	HINGE BOLT, 8M X 48MM (FOR PANEL)	25026	SAVIO
36	BACK UP PLATE FOR CORNER BLOCK	25025	-
37	MACHINE SCREW NO 10-32, FHP 1.125"	25074	STAINLESS STEEL
38	MACHINE SCREW NO 10-32, FHP .75"	25073	STAINLESS STEEL
39	HEX HEAD CAP SCREW .375-16, 2.250"	25175	STAINLESS STEEL
40	.375-16 SS. HEX NUT	25023	STAINLESS STEEL
41	.375 SPLIT LOCK WASHER	25024	STAINLESS STEEL
42	.375-16 SS. HEX NUT	25176	STAINLESS STEEL
44	#8 x 1/2" PFH SMS	-	STEEL
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47	SCREW NO 10, FHP 2"	20298	STAINLESS STEEL
48	#8 x 1" PFH SMS	-	STEEL
49	#10 x 3" PFH SMS	-	STEEL
50	4" LONG SETTING BLOCK	18620	-
51	REINFORCEMENT (1" X 1")	-	6063-T6 ALUM
52	ANCHOR BLOCK	-	6063-T6 ALUM
55	FIXED SILL BLOCK	-	6063-T6 ALUM
56	LATCH AND DEADBOLT STRIKE PLATE	-	-
57	STRIKE PLATE	-	-

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991316  
Date 6/26/15 Verified by 

[illegible]