



# Testing Evaluation Laboratories, Inc.

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## TEST RESULTS

Dade Lab Certification Number: 15-0114.08  
Test Notification Number: TEL 15-004

Report No: TEL 01991343  
Test Dates: March 16, 2015  
through April 3, 2015  
Report Date: June 26, 2015

### 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 3900-T Side Hinged Doors 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*

### Test Specimen Description:

Series / Model: 3900-T Side Hinged Doors  
Type: Aluminum Side Hinged Doors  
Overall Size: 48.00" x 120.00" – All Specimens – (X)  
Daylight Opening: 35.00" x 91.00" – Top Fixed Glass – Specimens 8 and 8a  
35.00" x 14.00" – Bottom Fixed Glass – Specimens 8 and 8a  
35.00" x 108.00" – Specimens 12, 12a, 12 ALT, 12 ALT-a, 12 ALT-b,  
12 ALT-c, 14, 15 and 15a  
Glazing Details: See attached drawings for glazing details.  
Frame Material: Aluminum  
Finish: Mill Finish

For Tested Elevation, Vertical Cross Sections, Horizontal Cross Sections, Components, Frame Anchoring, Glazing Detail and Bill of Materials See Attached Drawing numbers L-7352, L-7353, L-7343, L-7344 and L-7354.

**STRUCTURAL TESTS (TAS 202)****Specimen 8 –48.00" x 120.00" – Outswing Door – X****Design Pressure    Positive 65.0        Negative 65.0**

<b>Air Infiltration (ASTM E283-04)</b>	Pressure	SCFM/Ft^2	Result
	1.57 PSF	0.003	Pass
<b>Air Exfiltration (ASTM E283-04)</b>	Pressure	SCFM/Ft^2	Result
	1.57 PSF	0.038	Pass
<b>Air Infiltration (ASTM E283-04)</b>	Pressure	SCFM/Ft^2	Result
	6.24 PSF	0.031	Pass
<b>Air Exfiltration (ASTM E283-04)</b>	Pressure	SCFM/Ft^2	Result
	6.24 PSF	0.062	Pass

**Structural Loads (ASTM E330-02)**

Range	Time (sec)	Load (psf)	Location	Deflection	Allowable (Def)
Half Test Positive	30	32.50			
Design Positive	30	65.00			
Half Test Negative	30	32.50			
Design Negative	30	65.00			

<b>Water Infiltration (ASTM E331-00)</b>	Pressure	Time	Result
(Standard Weatherstrip)	9.75 PSF	15.0 Min.	Pass

**Note #1: Water Infiltration performed after Positive and Negative half and design loads.****Structural Loads (ASTM E330-02)**

Range	Time (sec)	Load (psf)	Location	Deflection	Set	Allowable (Set)
Half Proof Positive	10	48.75				
Test Positive	30	97.50	1	0.002"	0.000"	0.170"
			2	0.090"	0.008"	0.196"
Half Proof Negative	10	48.75				
Test Negative	30	97.50	1	0.033"	0.016"	0.170"
			2	0.126"	0.034"	0.196"

**Deflection Locations:****Location 1 – Top of Active Door at Latch Stile; Location 2 – Bottom of Active Door at Latch Stile****Forced Entry                      Passed – No Entry****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.

James Hayhurst, Test Technician

**STRUCTURAL TESTS (TAS 202)****Specimen 12 –48.00" x 120.00" – Outswing Door – X****Design Pressure    Positive 65.0        Negative 65.0**

<b>Air Infiltration (ASTM E283-04)</b>	Pressure	SCFM/Ft <sup>2</sup>	Result
	1.57 PSF	0.040	Pass
<b>Air Exfiltration (ASTM E283-04)</b>	Pressure	SCFM/Ft <sup>2</sup>	Result
	1.57 PSF	0.317	Pass
<b>Air Infiltration (ASTM E283-04)</b>	Pressure	SCFM/Ft <sup>2</sup>	Result
	6.24 PSF	0.022	Pass

**Structural Loads (ASTM E330-02)**

Range	Time (sec)	Load (psf)	Location	Deflection	Allowable (Def)
Half Test Positive	30	32.50			
Design Positive	30	65.00			
Half Test Negative	30	32.50			
Design Negative	30	65.00			

<b>Water Infiltration (ASTM E331-00)</b>	Pressure	Time	Result
(Standard Weatherstrip)	3.75 PSF	15.0 Min.	Pass

**Note #1: Water Infiltration performed after Positive and Negative half and design loads.****Structural Loads (ASTM E330-02)**

Range	Time (sec)	Load (psf)	Location	Deflection	Set	Allowable (Set)
Half Proof Positive	10	48.75				
Test Positive	30	97.50	1	0.148"	0.038"	0.170"
			2	0.039"	0.004"	0.196"
Half Proof Negative	10	48.75				
Test Negative	30	97.50	1	0.402"	0.043"	0.170"
			2	0.108"	0.020"	0.196"

**Deflection Locations:****Location 1 – Top of Active Door at Latch Stile; Location 2 – Bottom of Active Door at Latch Stile****Forced Entry                      Passed – No Entry**

**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.

James Hayhurst, Test Technician

**STRUCTURAL TESTS (TAS 202)****Specimen 12 ALT -48.00" x 120.00" – Outswing Door – X****Design Pressure    Positive 65.0       Negative 65.0****Structural Loads (ASTM E330-02)**

Range	Time (sec)	Load (psf)	Location	Deflection	Allowable (Def)
Half Test Positive	30	32.50			
Design Positive	30	65.00			
Half Test Negative	30	32.50			
Design Negative	30	65.00			

<b>Water Infiltration (ASTM E331-00)</b> (Standard Weatherstrip)	Pressure 9.75 PSF	Time 15.0 Min.	Result Pass
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**Note #1: Water Infiltration performed after Positive and Negative half and design loads.****Structural Loads (ASTM E330-02)**

Range	Time (sec)	Load (psf)	Location	Deflection	Set	Allowable (Set)
Half Proof Positive	10	48.75				
Test Positive	30	97.50	1	0.149"	0.058"	0.170"
			2	0.109"	0.014"	0.196"
Half Proof Negative	10	48.75				
Test Negative	30	97.50	1	0.502"	0.045"	0.170"
			2	0.104"	0.015"	0.196"

**Deflection Locations:****Location 1 – Top of Active Door at Latch Stile; Location 2 – Bottom of Active Door at Latch Stile****Forced Entry                      Passed – No Entry****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.

James Hayhurst, Test Technician



**STRUCTURAL TESTS (TAS 202)****Specimen 14 –48.00" x 120.00" – Outswing Door – X****Design Pressure    Positive 65.0        Negative 65.0**

<b>Air Infiltration (ASTM E283-04)</b>	Pressure	SCFM/Ft^2	Result
	1.57 PSF	0.079	Pass
<b>Air Exfiltration (ASTM E283-04)</b>	Pressure	SCFM/Ft^2	Result
	1.57 PSF	0.044	Pass
<b>Air Infiltration (ASTM E283-04)</b>	Pressure	SCFM/Ft^2	Result
	6.24 PSF	0.022	Pass
<b>Air Exfiltration (ASTM E283-04)</b>	Pressure	SCFM/Ft^2	Result
	6.24 PSF	0.378	Pass

**Structural Loads (ASTM E330-02)**

Range	Time (sec)	Load (psf)	Location	Deflection	Allowable (Def)
Half Test Positive	30	32.50			
Design Positive	30	65.00			
Half Test Negative	30	32.50			
Design Negative	30	65.00			
<b>Water Infiltration (ASTM E331-00)</b> (Standard Weatherstrip)		Pressure	Time		Result
		9.75 PSF	15.0 Min.		Pass

**Note #1: Water Infiltration performed after Positive and Negative half and design loads.****Structural Loads (ASTM E330-02)**

Range	Time (sec)	Load (psf)	Location	Deflection	Set	Allowable (Set)
Half Proof Positive	10	48.75				
Test Positive	30	97.50	1	0.142"	0.001"	0.170"
			2	0.048"	0.014"	0.196"
Half Proof Negative	10	48.75				
Test Negative	30	97.50	1	0.245"	0.008"	0.170"
			2	0.147"	0.012"	0.196"

**Deflection Locations:****Location 1 – Top of Active Door at Latch Stile; Location 2 – Bottom of Active Door at Latch Stile****Forced Entry                      Passed – No Entry**

**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.

James Hayhurst, Test Technician

**STRUCTURAL TESTS (TAS 202)**

Specimen 15 –48.00" x 120.00" – Outswing Door – X

Design Pressure    Positive 65.0        Negative 65.0

Air Infiltration (ASTM E283-04)	Pressure	SCFM/Ft^2	Result
	1.57 PSF	0.028	Pass
Air Exfiltration (ASTM E283-04)	Pressure	SCFM/Ft^2	Result
	1.57 PSF	0.316	Pass
Air Infiltration (ASTM E283-04)	Pressure	SCFM/Ft^2	Result
	6.24 PSF	0.245	Pass

**Structural Loads (ASTM E330-02)**

Range	Time (sec)	Load (psf)	Location	Deflection	Allowable (Def)
Half Test Positive	30	32.50			
Design Positive	30	65.00			
Half Test Negative	30	32.50			
Design Negative	30	65.00			

Water Infiltration (ASTM E331-00)	Pressure	Time	Result
(Standard Weatherstrip)	9.75 PSF	15.0 Min.	Pass

*Note #1: Water Infiltration performed after Positive and Negative half and design loads.***Structural Loads (ASTM E330-02)**

Range	Time (sec)	Load (psf)	Location	Deflection	Set	Allowable (Set)
Half Proof Positive	10	48.75				
Test Positive	30	97.50	1	0.162"	0.038"	0.170"
			2	0.069"	0.004"	0.196"
Half Proof Negative	10	48.75				
Test Negative	30	97.50	1	0.313"	0.001"	0.170"
			2	0.189"	0.017"	0.196"

**Deflection Locations:***Location 1 – Top of Active Door at Latch Stile; Location 2 – Bottom of Active Door at Latch Stile***Forced Entry**                      Passed – No Entry

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.

James Hayhurst, Test Technician

## IMPACT AND CYCLING TESTS

Specimen 8a – 48.00" x 120.00" – Outswing Door – X

### TAS 201-94 AND TAS 203-94– Large Missile Impact (2 x 4 Southern Yellow Pine)

Cond. Temp Of Specimen	Missile Level	Missile Weight	Missile Length	Muzzle Distance From Specimen
75°F	D	9.0 lbs, 1 oz.	8'-1/2"	17'0"

Impact Location	Results	X - Measurement	Y - Measurement	Speed
1	Pass	24.00"	20.00"	50.1 fps
2	Pass	38.00"	27.00"	49.9 fps
3	Pass	24.00"	69.00"	50.0 fps
<p>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.</p>				

### TAS 201-94 AND TAS 203-94– Fatigue Load Cycling Design Pressure +65.0 psf / - 65.0 psf

Positive % of Test Load	Positive Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
20% to 50%	13.0 to 32.5	3500	1.67
0% to 60%	0.0 to 39.0	300	2.17
50% to 80%	32.5 to 52.0	600	1.80
30% to 100%*	19.5 to 65.0	100	2.65

Negative % of Test Load	Negative Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
30% to 100%*	19.5 to 65.0	50	2.98
50% to 80%	32.5 to 52.0	1050	1.52
0% to 60%	0.0 to 39.0	50	2.41
20% to 50%	13.0 to 32.5	3350	1.71
<p>*Active Panel deflected 1.63" from original plane at 100% Positive load and 2.50" 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.</p>			

James Hayhurst, Test Technician

## IMPACT AND CYCLING TESTS

Specimen 12a – 48.00" x 120.00" – Outswing Door – X

### TAS 201-94 AND TAS 203-94– Large Missile Impact (2 x 4 Southern Yellow Pine)

Cond. Temp Of Specimen	Missile Level	Missile Weight	Missile Length	Muzzle Distance From Specimen
75°F	D	9.0 lbs, 1 oz.	8'-1/2"	17'0"

Impact Location	Results	X - Measurement	Y - Measurement	Speed
1	Pass	24.00"	60.00"	50.0 fps
2	Pass	44.00"	48.00"	49.9 fps
3	Pass	24.00"	3.00"	50.0 fps
4	Pass	35.00"	12.00"	50.1 fps
<p>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.</p>				

### TAS 201-94 AND TAS 203-94– Fatigue Load Cycling Design Pressure +65.0 psf / - 65.0 psf

Positive % of Test Load	Positive Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
20% to 50%	13.0 to 32.5	3500	1.94
0% to 60%	0.0 to 39.0	300	2.70
50% to 80%	32.5 to 52.0	600	1.75
30% to 100%*	19.5 to 65.0	100	3.00

Negative % of Test Load	Negative Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
30% to 100%*	19.5 to 65.0	50	3.00
50% to 80%	32.5 to 52.0	1050	2.50
0% to 60%	0.0 to 39.0	50	2.80
20% to 50%	13.0 to 32.5	3350	2.50

\*Active Panel deflected 2.25" from original plane at 100% Positive load and 3.00" 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.

James Hayhurst, Test Technician



## IMPACT AND CYCLING TESTS

Specimen 12 ALT a – 48.00" x 120.00" – Outswing Door – X

### TAS 201-94 AND TAS 203-94– Large Missile Impact (2 x 4 Southern Yellow Pine)

Cond. Temp Of Specimen	Missile Level	Missile Weight	Missile Length	Muzzle Distance From Specimen
75°F	D	9.0 lbs, 0 oz.	8'-0"	17'0"

Impact Location	Results	X - Measurement	Y - Measurement	Speed
1	Pass	24.00"	60.00"	50.0 fps
2	Pass	36.00"	11.50"	49.7 fps
3	Pass	24.00"	3.00"	49.9 fps
4	Pass	44.25"	50.00"	50.1 fps
<p>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.</p>				

### TAS 201-94 AND TAS 203-94– Fatigue Load Cycling Design Pressure +65.0 psf / - 65.0 psf

Positive % of Test Load	Positive Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
20% to 50%	13.0 to 32.5	3500	1.76
0% to 60%	0.0 to 39.0	300	2.06
50% to 80%	32.5 to 52.0	600	1.86
30% to 100%*	19.5 to 65.0	100	2.99

Negative % of Test Load	Negative Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
30% to 100%*	19.5 to 65.0	50	3.00
50% to 80%	32.5 to 52.0	1050	2.49
0% to 60%	0.0 to 39.0	50	2.69
20% to 50%	13.0 to 32.5	3350	2.21

\*Active Panel deflected 2.00" from original plane at 100% Positive load and 2.75" 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.

James Hayhurst, Test Technician



## IMPACT AND CYCLING TESTS

Specimen 12 ALT b – 48.00" x 120.00" – Outswing Door – X

### TAS 201-94 AND TAS 203-94– Large Missile Impact (2 x 4 Southern Yellow Pine)

Cond. Temp Of Specimen	Missile Level	Missile Weight	Missile Length	Muzzle Distance From Specimen
75°F	D	9.0 lbs, 0 oz.	8'-0"	17'0"

Impact Location	Results	X - Measurement	Y - Measurement	Speed
1	Pass	24.25"	59.50"	50.1 fps
2	Pass	35.50"	11.25"	50.1 fps
3	Pass	24.12"	2.75 "	50.0 fps
4	Pass	44.50"	49.50"	50.0 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 201-94 AND TAS 203-94– Fatigue Load Cycling Design Pressure +65.0 psf / - 65.0 psf

Positive % of Test Load	Positive Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
20% to 50%	13.0 to 32.5	3500	2.01
0% to 60%	0.0 to 39.0	300	2.78
50% to 80%	32.5 to 52.0	600	1.82
30% to 100%*	19.5 to 65.0	100	2.97

Negative % of Test Load	Negative Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
30% to 100%*	19.5 to 65.0	50	2.92
50% to 80%	32.5 to 52.0	1050	2.35
0% to 60%	0.0 to 39.0	50	2.71
20% to 50%	13.0 to 32.5	3350	2.35

\*Active Panel deflected 2.38" from original plane at 100% Positive load and 3.25" 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.

James Hayhurst, Test Technician

## IMPACT AND CYCLING TESTS

Specimen 12 ALT c – 48.00" x 120.00" – Outswing Door – X

TAS 201-94 AND TAS 203-94– Large Missile Impact (2 x 4 Southern Yellow Pine)

Cond. Temp Of Specimen	Missile Level	Missile Weight	Missile Length	Muzzle Distance From Specimen
75°F	D	9.0 lbs, 0 oz.	8'-0"	17'0"

Impact Location	Results	X - Measurement	Y - Measurement	Speed
1	Pass	24.12"	59.29"	50.0 fps
2	Pass	12.50"	107.50"	50.2 fps
3	Pass	24.25"	3.00 "	49.9 fps
4	Pass	44.12"	49.25"	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 201-94 AND TAS 203-94– Fatigue Load Cycling

Design Pressure +65.0 psf / - 65.0 psf

Positive % of Test Load	Positive Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
20% to 50%	13.0 to 32.5	3500	2.12
0% to 60%	0.0 to 39.0	300	2.81
50% to 80%	32.5 to 52.0	600	1.92
30% to 100%*	19.5 to 65.0	100	2.95

Negative % of Test Load	Negative Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
30% to 100%*	19.5 to 65.0	50	2.69
50% to 80%	32.5 to 52.0	1050	2.41
0% to 60%	0.0 to 39.0	50	2.81
20% to 50%	13.0 to 32.5	3350	2.42

\*Active Panel deflected 2.25" from original plane at 100% Positive load and 3.12" 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.

James Hayhurst, Test Technician

## IMPACT AND CYCLING TESTS

Specimen 15a – 48.00" x 120.00" – Outswing Door – X

### TAS 201-94 AND TAS 203-94– Large Missile Impact (2 x 4 Southern Yellow Pine)

Cond. Temp Of Specimen	Missile Level	Missile Weight	Missile Length	Muzzle Distance From Specimen
75°F	D	9.0 lbs, 1 oz.	8'-1/2"	17'0"

Impact Location	Results	X - Measurement	Y - Measurement	Speed
1	Pass	24.00"	60.00"	50.0 fps
2	Pass	44.00"	48.00"	49.7 fps
3	Pass	24.00"	3.00 "	49.9 fps
4	Pass	35.00"	12.00"	50.1 fps
<p>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.</p>				

### TAS 201-94 AND TAS 203-94– Fatigue Load Cycling Design Pressure +65.0 psf / - 65.0 psf

Positive % of Test Load	Positive Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
20% to 50%	13.0 to 32.5	3500	1.78
0% to 60%	0.0 to 39.0	300	2.80
50% to 80%	32.5 to 52.0	600	2.09
30% to 100%*	19.5 to 65.0	100	3.00

Negative % of Test Load	Negative Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
30% to 100%*	19.5 to 65.0	50	2.99
50% to 80%	32.5 to 52.0	1050	2.66
0% to 60%	0.0 to 39.0	50	3.00
20% to 50%	13.0 to 32.5	3350	2.30

\*Active Panel deflected 2.25" from original plane at 100% Positive load and 3.00" 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.

James Hayhurst, Test Technician



## 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.

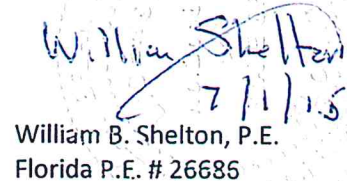
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Testing Evaluation Laboratories, Inc.

  
Vivian K. Wright,  
President

  
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**Revision Log**

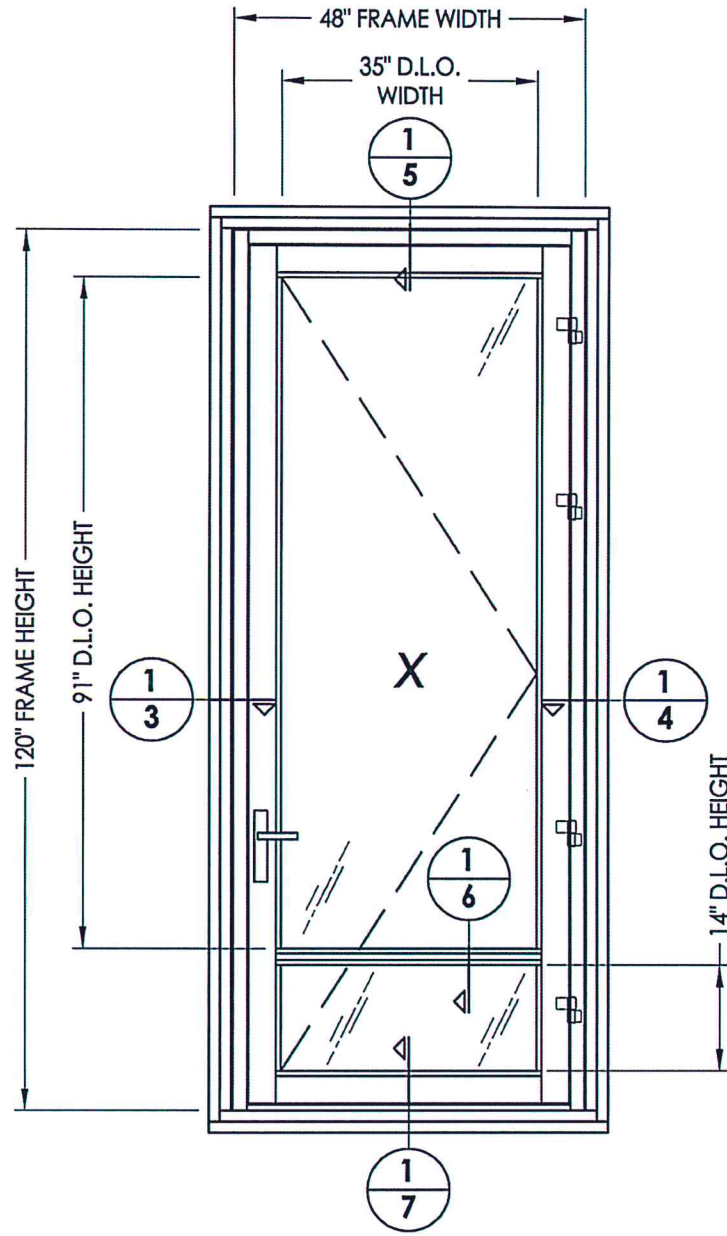
Rev No.	Date	Page(s)	Revision(s)
0	6/26/2015	NA	Original Report Issue



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10	Bill of materials

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343  
Date 6/26/15 Verified by *[Signature]*

[illegible]



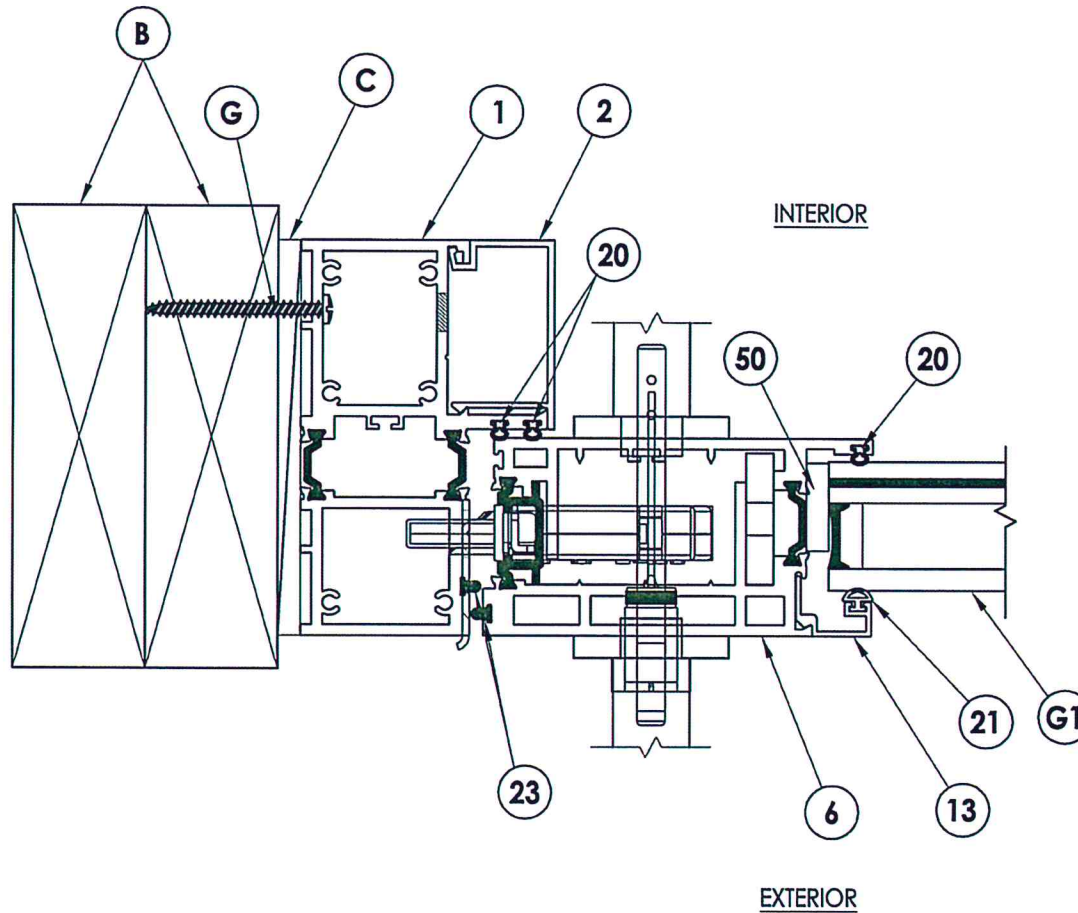
Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01991343  
 Date 6/26/15 Verified by *[Signature]*



DATE: 3/17/15  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.:  
 L-7353  
 SHEET 2 OF 10

PRODUCT: FLEETWOOD SPEC. #8  
 PART OR ASSEMBLY: TEST ELEVATIONS

REVISIONS		NO.	DATE	BY

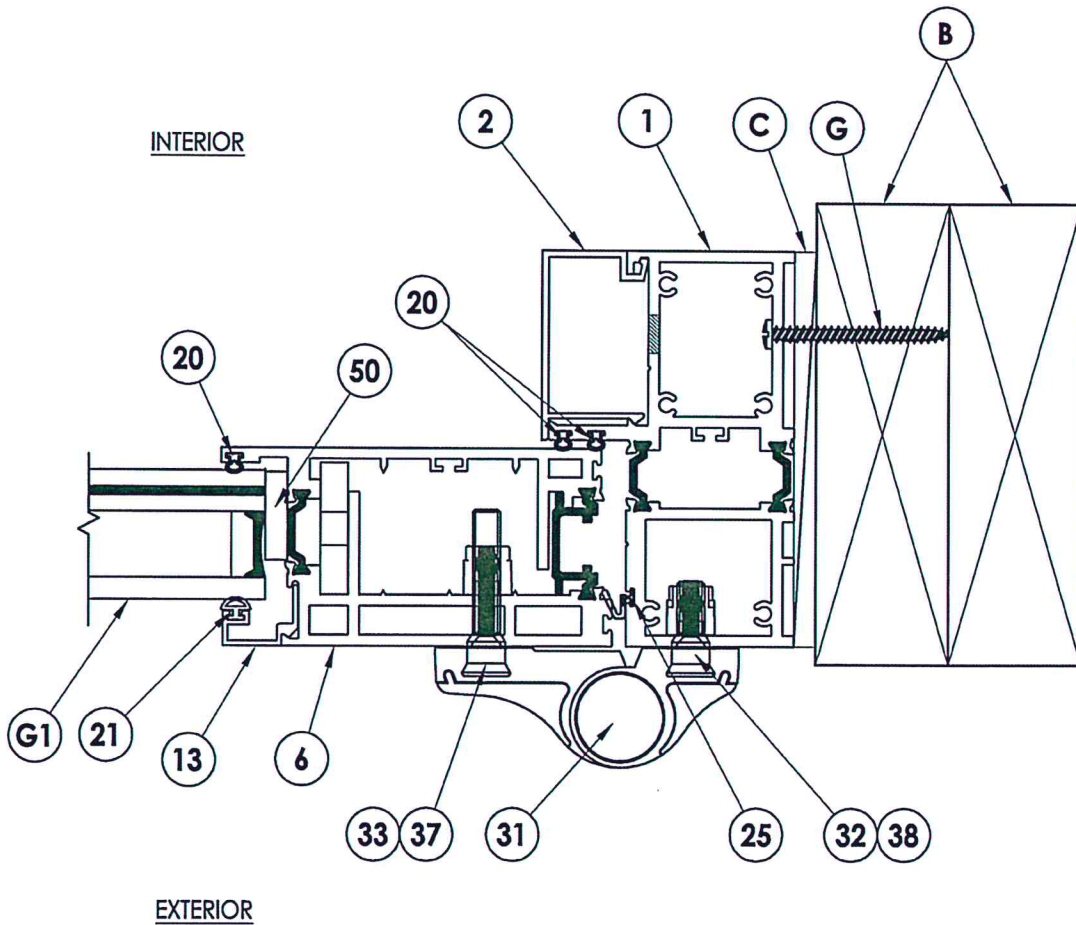


Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01991343  
 Date 6/26/15 Verified by *[Signature]*

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

PRODUCT: FLEETWOOD SPEC. #8		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
NO.	DATE	REVISIONS	BY
<b>RW</b> BUILDING CONSULTANTS, INC. 813.659.9197			
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7353			
SHEET 3 OF 10			

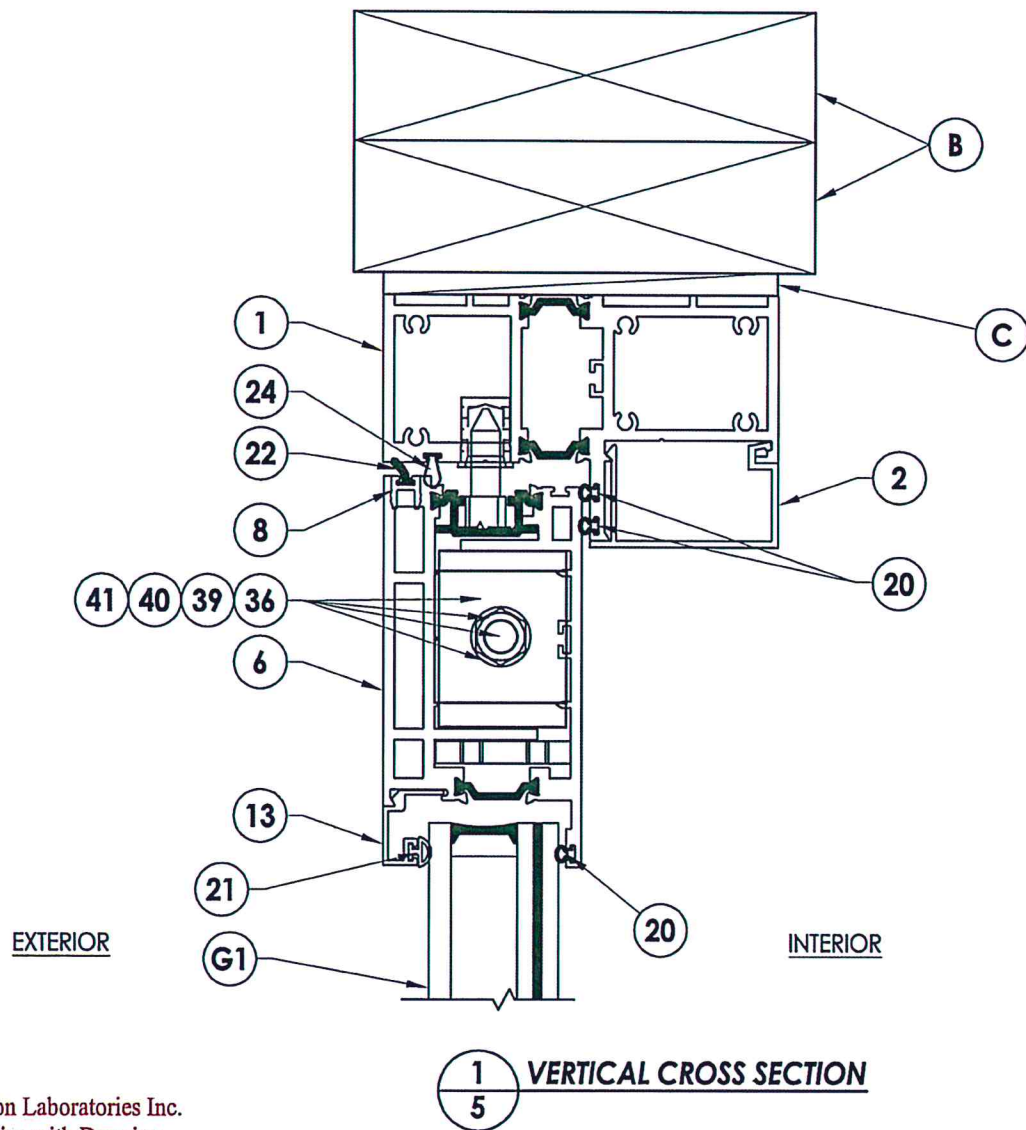




Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343  
Date 6/26/15 Verified by [Signature]

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

[illegible]



**1**  
**5** **VERTICAL CROSS SECTION**

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01891343  
Date 6/26/15 Verified by [Signature]

PRODUCT:  FLEETWOOD SPEC. #8				PART OR ASSEMBLY:  VERTICAL CROSS SECTIONS			

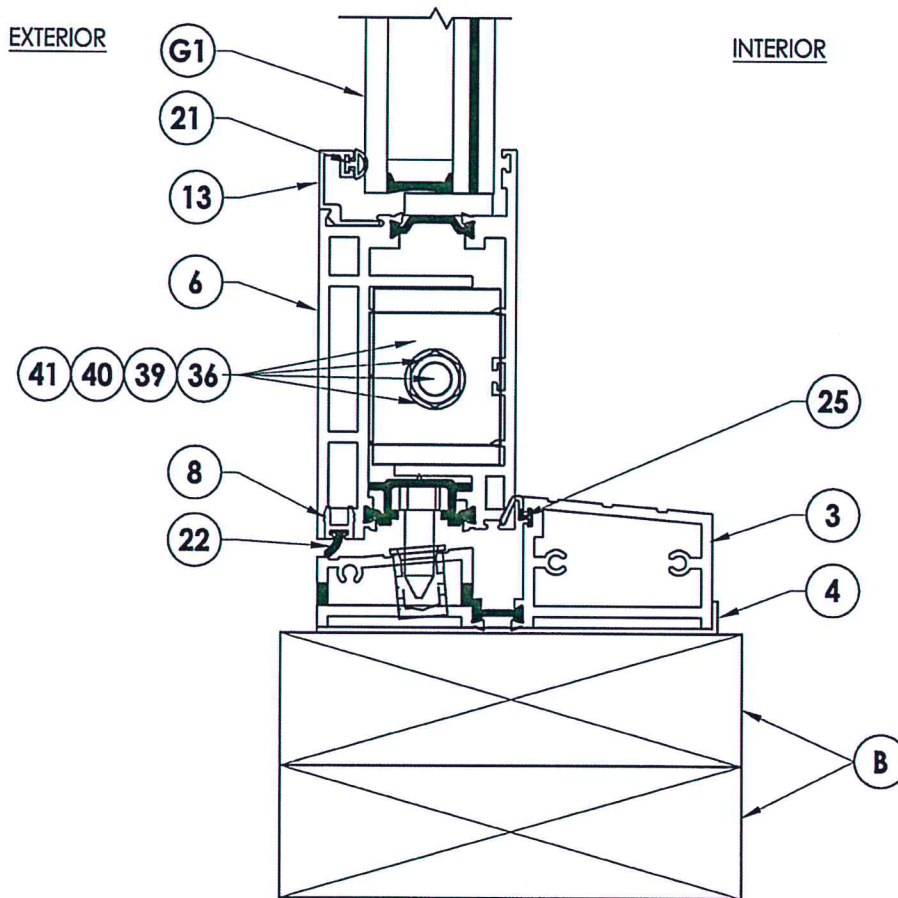




INTERIOR

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343  
Date 6/26/15 Verified by [Signature]

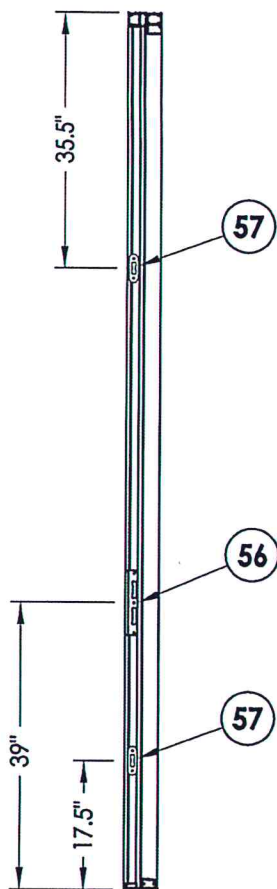
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Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343  
Date 6/26/15 Verified by [Signature]

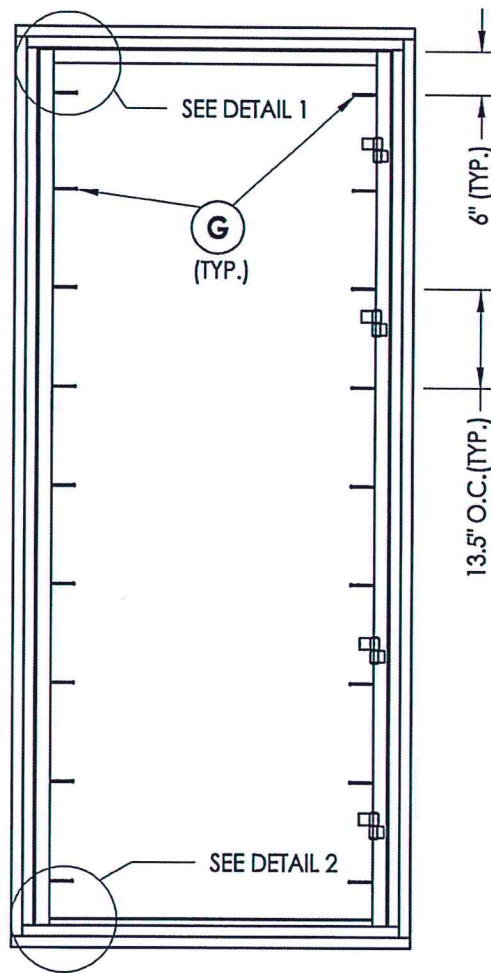
**1** **VERTICAL CROSS SECTION**  
**7**

<u>PRODUCT:</u>		FLEETWOOD SPEC. #8		<u>PART OR ASSEMBLY:</u>		VERTICAL CROSS SECTIONS	
<div style="border: 2px solid black; padding: 5px; display: inline-block;"> <i>RW</i> BUILDING CONSULTANTS, INC. 813.659.9197         </div>							
DATE: 3/17/15							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: L-7353							
SHEET 7 OF 10							

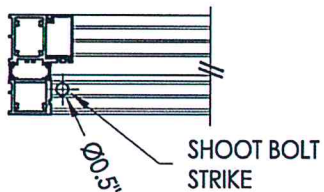


**STRIKE PLATE DETAIL**

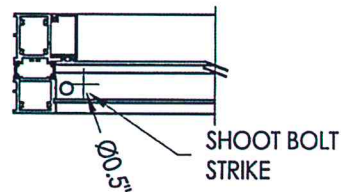
Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343  
Date 6/26/15 Verified by *[Signature]*



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



**DETAIL 2**



**DETAIL 1**



**HINGE DETAIL**



DATE: 3/17/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:  
L-7353

SHEET 8 OF 10

PRODUCT:

FLEETWOOD  
SPEC. #8

PART OR ASSEMBLY:

TEST ELEVATIONS

REVISIONS	
NO.	DATE
BY	



Technical drawing of a cross-section of a composite beam. The total width of the beam is 4.5 inches. The top flanges are separated by a gap of 0.125 inches. The drawing shows the internal structure of the beam, including the top flanges, the web, and the bottom flanges. The beam is shown in a cross-sectional view, with the top flanges on the left and right, and the web in the center. The bottom flanges are also shown, with a gap between them. The drawing is a technical illustration of a composite beam cross-section.

Figure 1 shows the dimensions of the test specimen. The specimen is a horizontal bar with a total length of 4.562 inches. The thickness of the bar is 0.062 inches. The height of the vertical end flange is 0.374 inches.

A cross-sectional view of a plate with a total thickness of 1.17 inches. A slot with a width of 2.15 inches is cut into the plate. Within this slot, there is a hole with a width of 0.075 inches. The hole is positioned such that its center is 0.075 inches from the right edge of the slot.

Technical drawing of a rectangular frame. The drawing shows a cross-section of the frame with a width of 2.25 inches and a height of 3.75 inches. The total height, including the top and bottom rails, is 4.31 inches. The thickness of the frame is 0.125 inches. The drawing includes a detailed view of the corner joint, showing the internal structure and the way the rails are connected.

Diagram illustrating the cross-section of a glass assembly with the following components labeled:

- .5" GLASS BITE
- 1199 DOW SILICONE
- 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
- ALUM SPACER


Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343/  
Date 6/26/15 Verified by *[Signature]*

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**BILL OF MATERIALS**

ITEM #	DESCRIPTION	PART#	MATERIAL
B	2X BUCK SG >= 0.55	-	WOOD
C	1/4" MAX. SHIM SPACE	-	-
G	#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	-	-
6	SASH	3902	6063-T6 ALUM
8	ATLANTIC SEAL CLIP	3916	6063-T6 ALUM
13	1-1/2" GLASS STOP	3908	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
24	Q-LON FOAM SEAL	25058	SCHLEGEL CORP., # Q375T190
25	Q-LON FOAM SEAL	25059	SCHLEGEL CORP., # QEZ 376
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
50	4" LONG SETTING BLOCK	18620	-
56	LATCH AND DEADBOLT STRIKE PLATE	-	-
57	STRIKE PLATE	-	-
60	TDL BAR	3914	6063-T6 ALUM

PRODUCT:		FLEETWOOD SPEC. #8	
PART OR ASSEMBLY:		BILL OF MATERIALS	
NO.	DATE	BY	REVISIONS

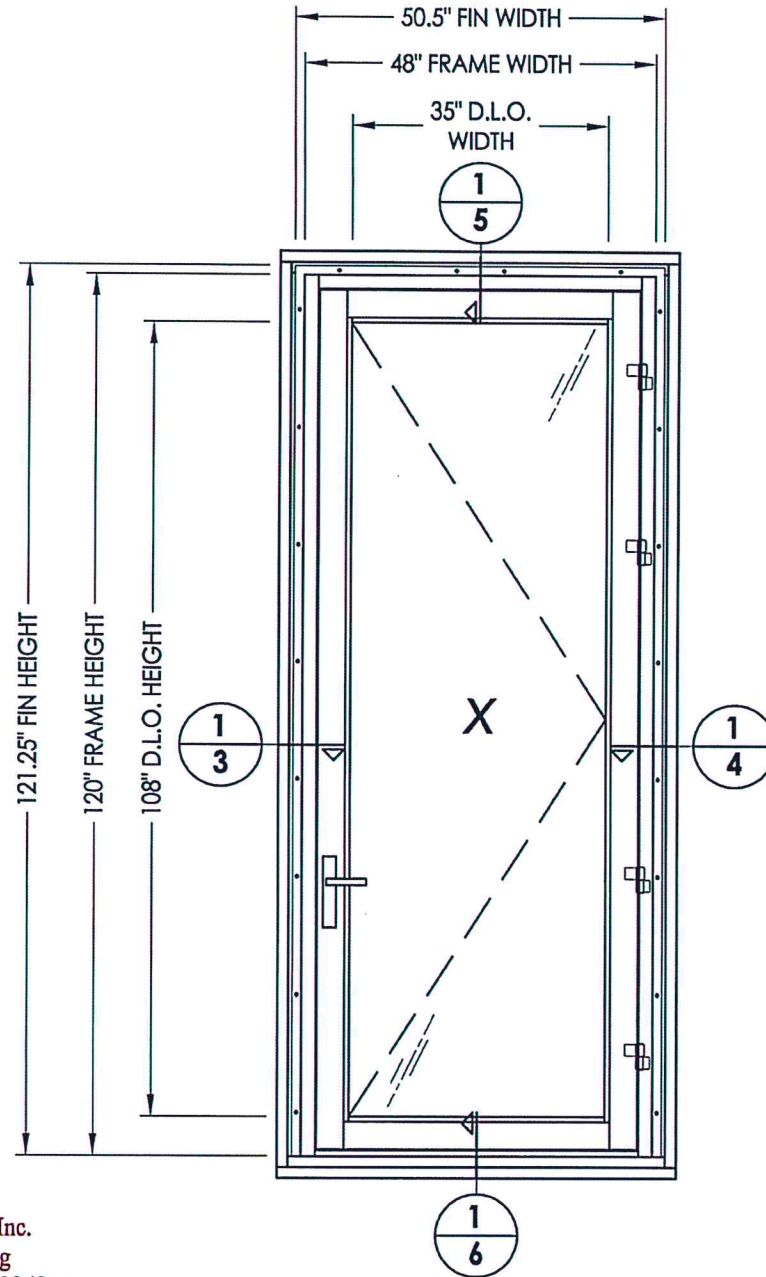

**RW BUILDING  
CONSULTANTS, INC.**  
813.659.9197

DATE:	3/17/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	L-7353
SHEET	10 OF 10

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343  
Date 6/26/15 Verified by JKW







Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01991343  
 Date 6/26/15 Verified by: [Signature]

Note: Factory Crimped Stile



DATE:	3/17/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	L-7343
SHEET	2 OF 9

PRODUCT:	FLEETWOOD SPEC. #12, 12A
PART OR ASSEMBLY:	TEST ELEVATIONS

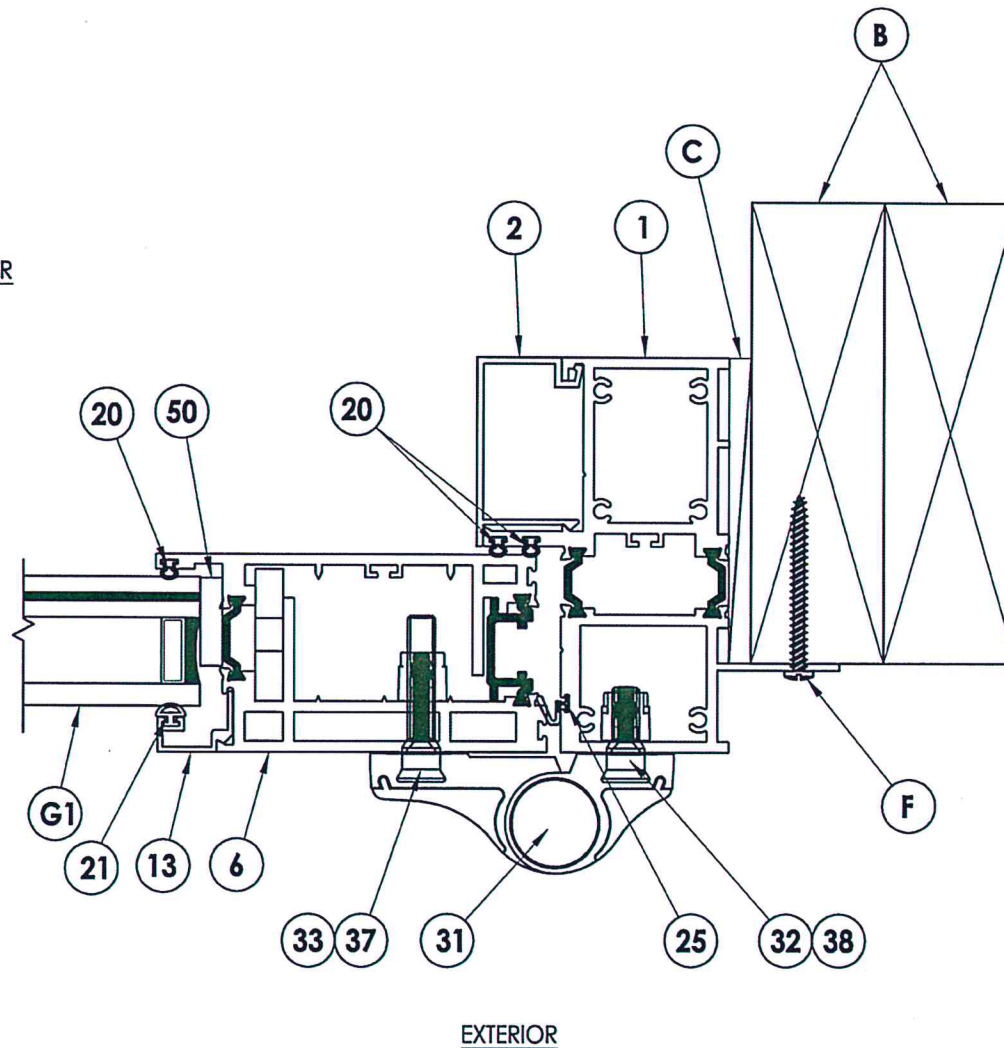
NO.	DATE	REVISIONS	BY

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

[illegible]



INTERIOR



EXTERIOR

1  
4 HORIZONTAL CROSS SECTION

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343/  
Date 6/26/15 Verified by WLL

PRODUCT:  
FLEETWOOD  
SPEC. #12, 12A

PART OR ASSEMBLY:  
HORIZONTAL  
CROSS SECTIONS

NO	DATE	REVISIONS	BY

**RW** BUILDING  
CONSULTANTS, INC.  
813.659.9197

DATE: 3/17/15

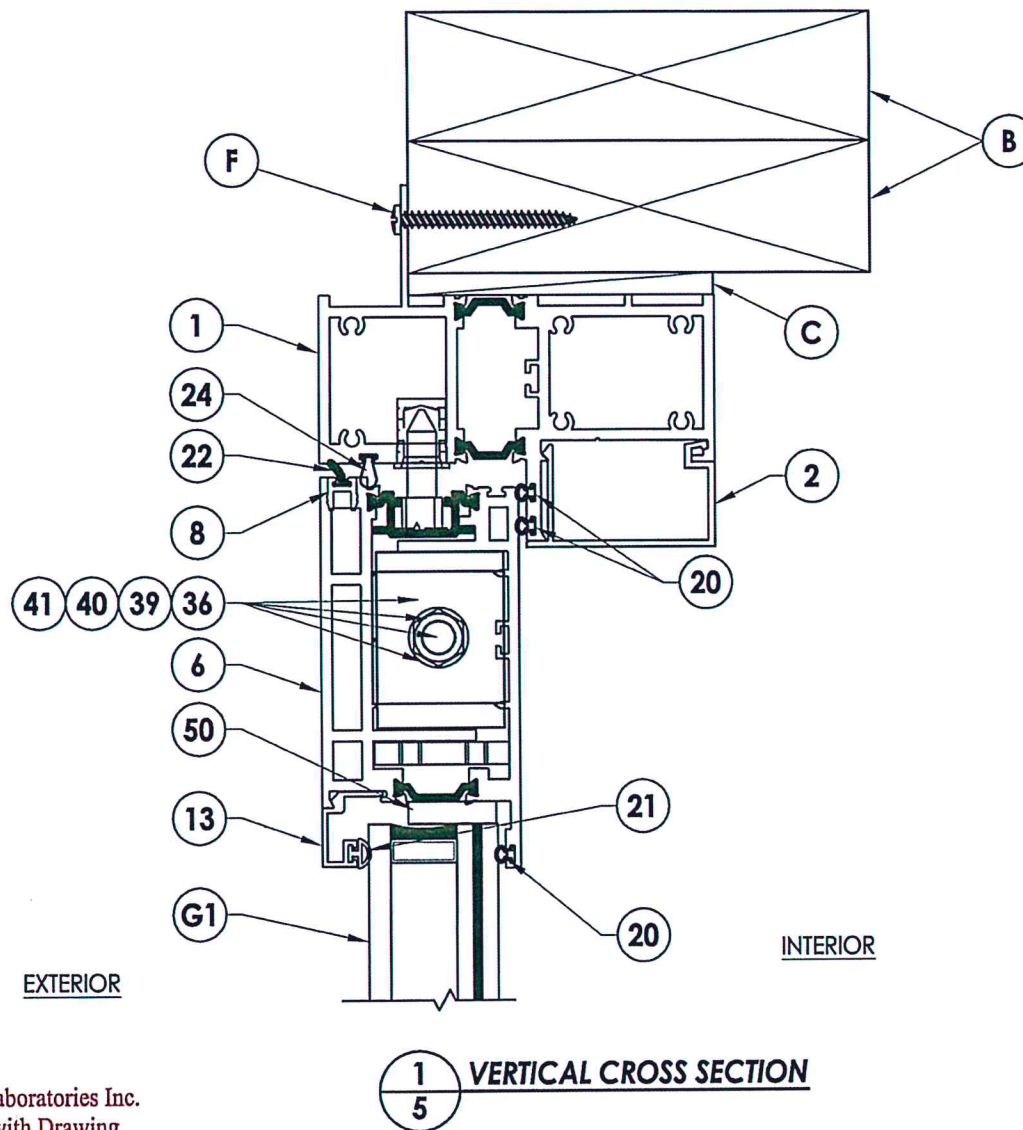
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DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:  
L-7343

SHEET 4 OF 9



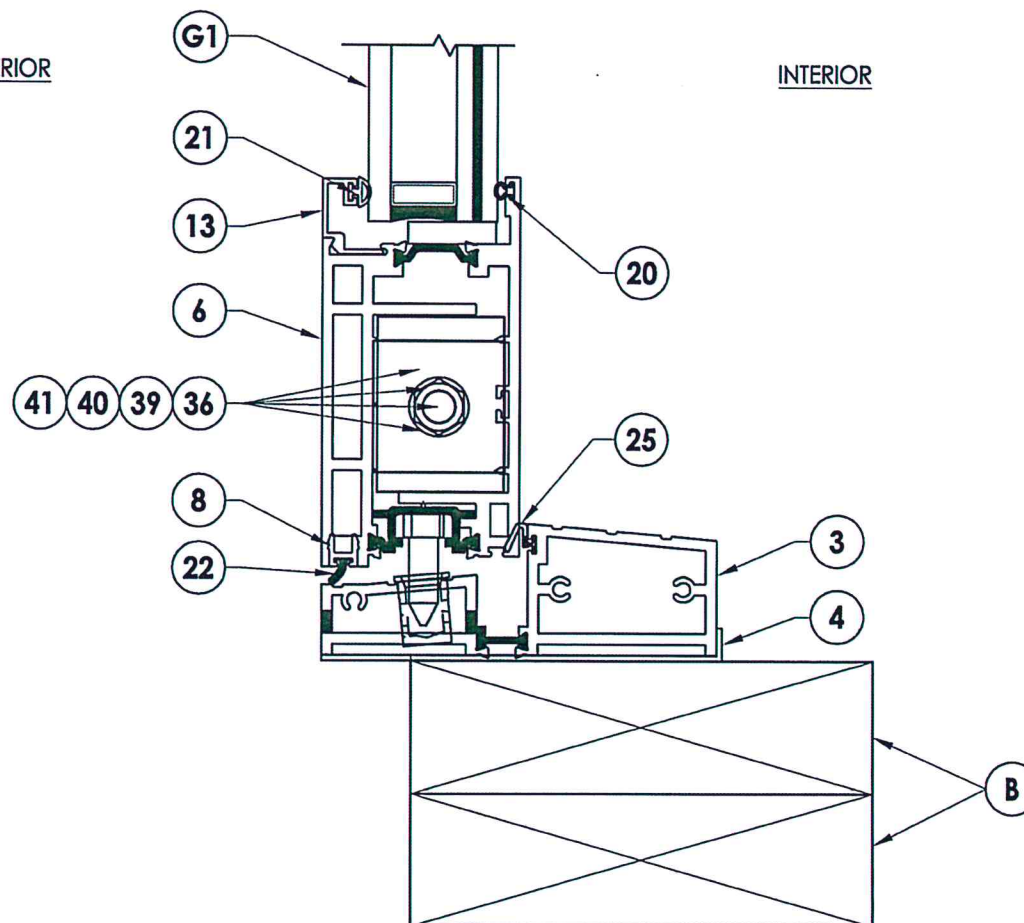
Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01991343  
 Date 6/26/15 Verified by eww

1  
5 VERTICAL CROSS SECTION

PRODUCT: FLEETWOOD SPEC. #12, 12A				PART OR ASSEMBLY: VERTICAL CROSS SECTIONS			

## EXTERIOR

## INTERIOR



Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343  
Date 6/26/15 Verified by *[Signature]*

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

**PRODUCT:**

FLEETWOOD  
SPEC. #12, 12A

**PART OR ASSEMBLY:**

## VERTICAL CROSS SECTIONS

BY

DATE \_\_\_\_\_

10	10
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## REVISIONS

**RW BUILDING  
CONSULTANTS, INC.**  
813.659.9197

DATE: 3/17/15

SCALE: N.T.S.

DWG. BY: JK

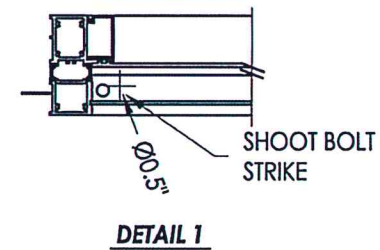
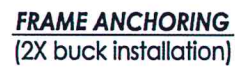
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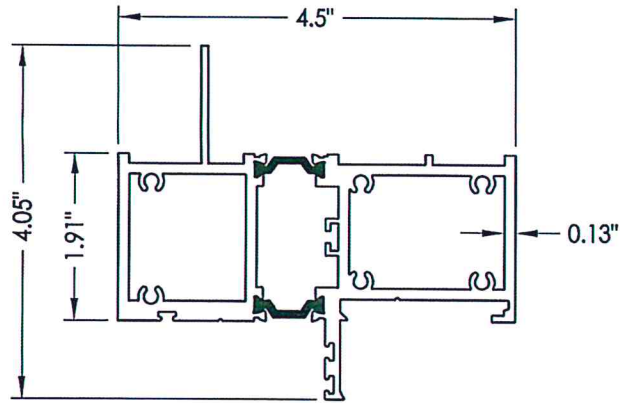
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L-7343

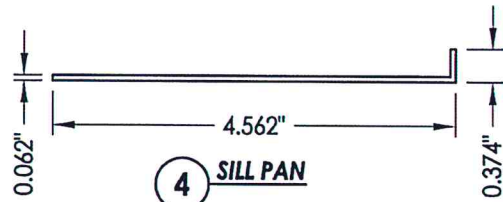
SHEET 6 OF 9



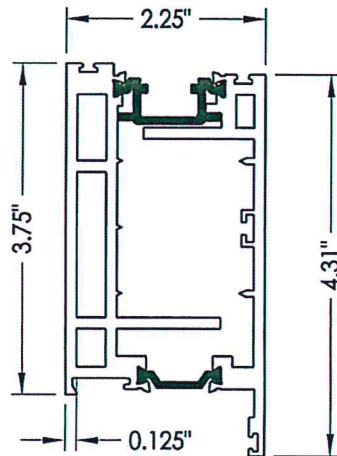
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**1 BLOCK HEAD & JAMBS**

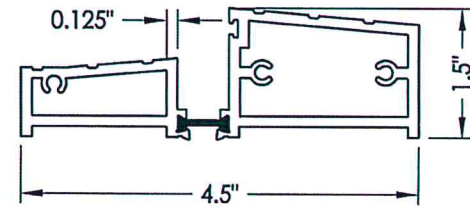


**4 SILL PAN**

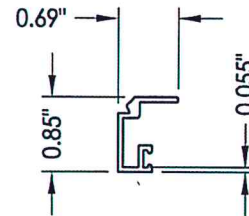


**6 SASH**

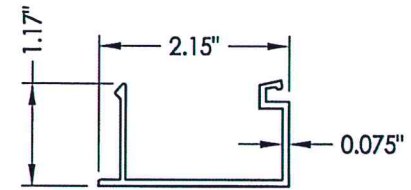
Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 0199,1343  
Date 6/26/15 Verified by *[Signature]*



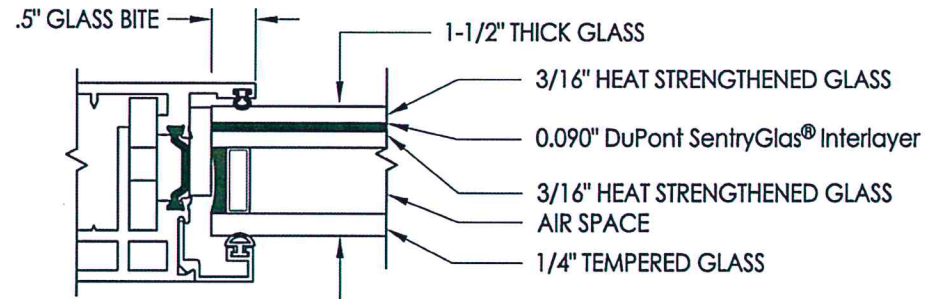
**3 OUT-SWING SILL**



**13 1.5" GLASS STOP**



**2 FRAME SNAP-IN**



**G1 GLAZING DETAIL**

PRODUCT:

FLEETWOOD  
SPEC. #12, 12A

PART OR ASSEMBLY:

COMPONENTS AND GLAZING DETAIL

NO.	DATE	REVISIONS	BY



DATE: 3/17/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

L-7343

SHEET 8 OF 9



[illegible]



### TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	Table of contents
2	Test elevation
3	Horizontal cross sections
4	Horizontal cross sections
5	Vertical cross sections
6	Vertical cross sections
7	Frame anchoring
8	Components and glazing detail
9	Bill of materials

Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01991343  
 Date 6/26/15 Verified by [Signature]

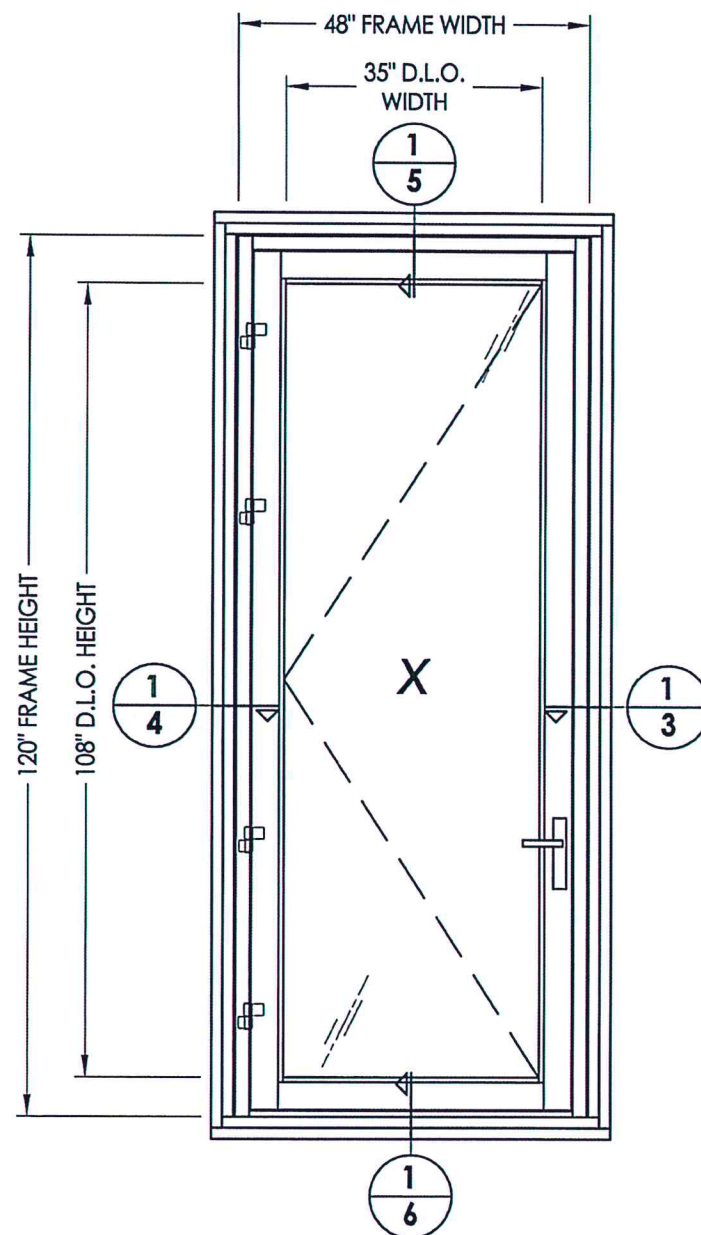
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DRAWING NO.:

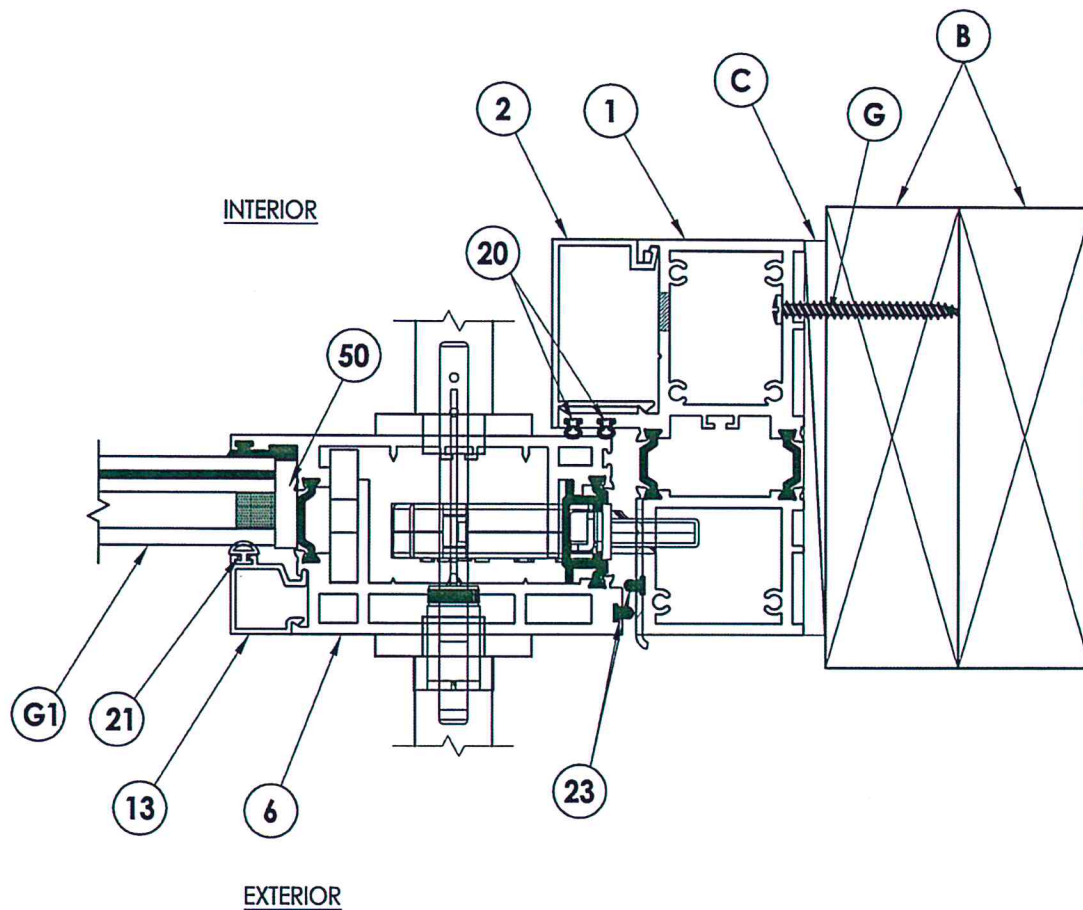
L-7344SHEET 1 OF 9
 PRODUCT: FLEETWOOD  
 SPEC. #12B, 12C, 12D

 PART OR ASSEMBLY:  
 TABLE OF CONTENTS

REVISIONS	
NO.	DATE
	BY



<b>PRODUCT:</b>		FLEETWOOD SPEC. #12B, 12C, 12D		<b>PART OR ASSEMBLY:</b>		TEST ELEVATIONS	
<div style="border: 2px solid black; padding: 5px; display: inline-block;"> <div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> <b>BUILDING CONSULTANTS, INC.</b> 813.659.9197 </div> </div>				<b>REVISIONS</b>			
<b>DATE:</b> 3/17/15				<b>SCALE:</b> N.T.S.			
<b>DWG. BY:</b> JK				<b>CHK. BY:</b> LFS			
<b>DRAWING NO.:</b> L-7344							
<b>SHEET</b> 2 <b>OF</b> 9							



**1  
3** HORIZONTAL CROSS SECTION

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 0199,1343  
Date 6/26/15 Verified by [Signature]

**RW** BUILDING  
CONSULTANTS, INC.  
813.659.9197

DATE: 3/17/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:  
L-7344

SHEET 3 OF 9

PRODUCT: FLEETWOOD  
SPEC. #12B, 12C, 12D

PART OR ASSEMBLY: HORIZONTAL  
CROSS SECTIONS

NO.	DATE	REVISIONS	BY

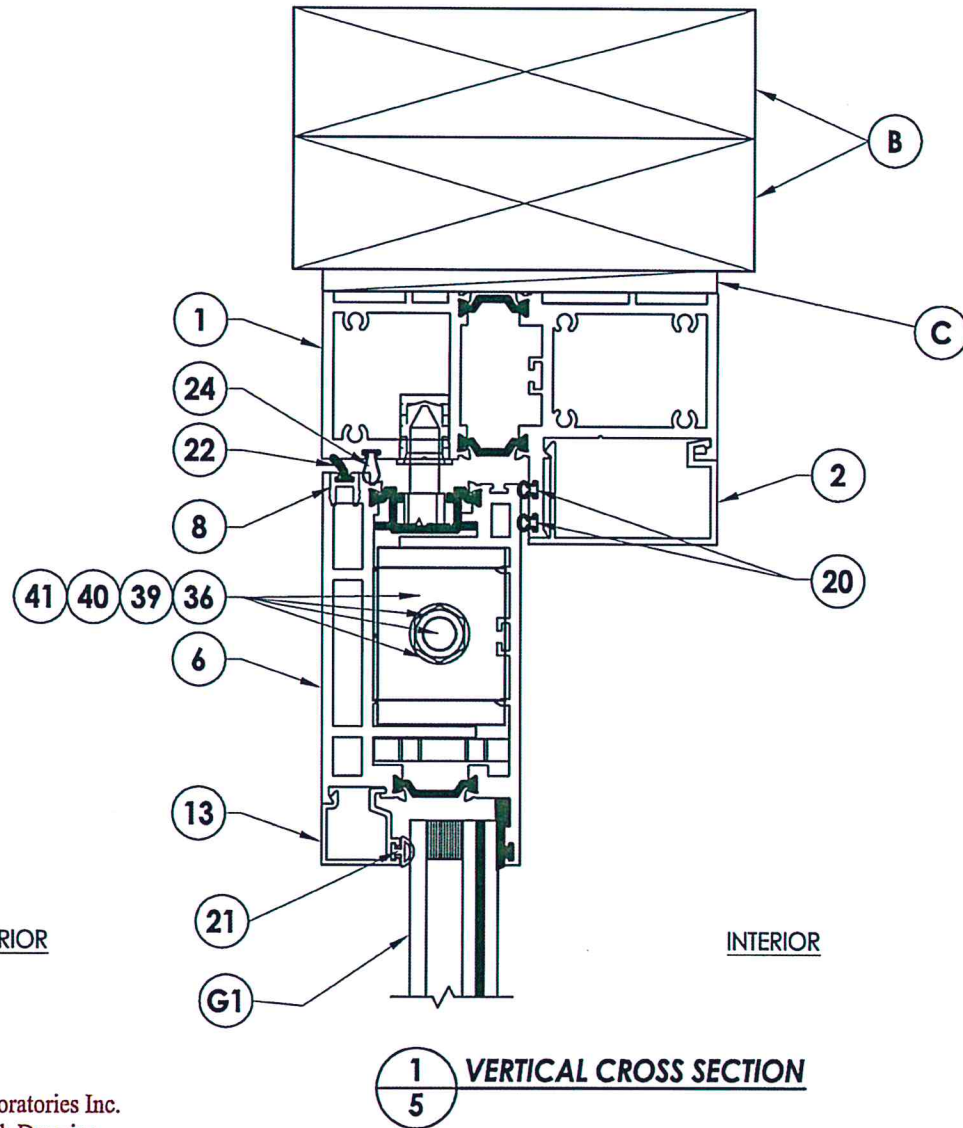


**1** HORIZONTAL CROSS SECTION  
**4**

[illegible]

EXTERIOR

INTERIOR



1  
5 VERTICAL CROSS SECTION

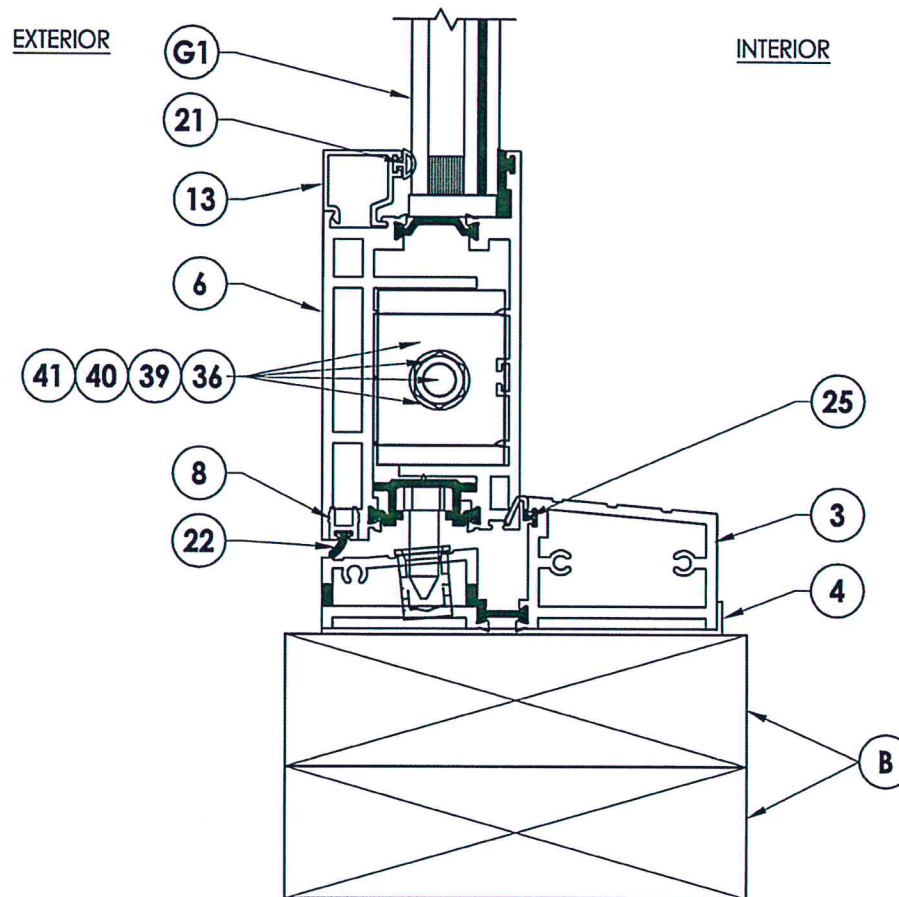
Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343  
Date 6/26/15 Verified by [Signature]



DATE: 3/17/15  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.:  
L-7344  
SHEET 5 OF 9

PRODUCT: FLEETWOOD  
SPEC. #12B, 12C, 12D  
PART OR ASSEMBLY:  
VERTICAL  
CROSS SECTIONS

REVISIONS	
NO.	DATE
	BY

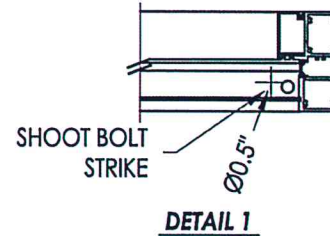


**1**  
**6** **VERTICAL CROSS SECTION**

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343  
Date 6/26/15 Verified by [Signature]

PRODUCT:		FLEETWOOD SPEC. #12B, 12C, 12D	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
NO.		DATE	
BY		REVISIONS	
DATE: <u>3/17/15</u>		SCALE: <u>N.T.S.</u>	
DWG. BY: <u>JK</u>		CHK. BY: <u>LFS</u>	
DRAWING NO.: <u>L-7344</u>		SHEET <u>6</u> OF <u>9</u>	





Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343  
Date 6/26/15 Verified by [Signature]

[illegible]

Diagram showing a cross-section of a plate with a slot. The total thickness is 1.17". The slot width is 2.15". The gap between the slot and the plate edge is 0.075".

Technical drawing of a 100 Series extrusion cross-section. The drawing shows a U-shaped profile with a width of 2.25 inches and a height of 3.75 inches. The flange thickness is 0.125 inches. The total height, including the mounting flange, is 4.31 inches. The drawing also shows internal features like a central slot and mounting tabs.

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343  
Date 6/26/15 Verified by *[Signature]*

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BILL OF MATERIALS			
ITEM #	DESCRIPTION	PART#	MATERIAL
B	2X BUCK SG >= 0.55	-	WOOD
C	1/4" MAX. SHIM SPACE	-	-
G	#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	-	-
6	SASH	3902	6063-T6 ALUM
8	ATLANTIC SEAL CLIP	3916	6063-T6 ALUM
13	1" GLASS STOP	3908	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
24	Q-LON FOAM SEAL	25058	SCHLEGEL CORP., # Q375T190
25	Q-LON FOAM SEAL	25059	SCHLEGEL CORP., # QEZ 376
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
50	4" LONG SETTING BLOCK	18620	-
56	LATCH AND DEADBOLT STRIKE PLATE	-	-
57	STRIKE PLATE	-	-

Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01991343  
 Date 6/26/15 Verified by [Signature]

PRODUCT:		FLEETWOOD SPEC. #12B, 12C, 12D	
PART OR ASSEMBLY:		BILL OF MATERIALS	
NO.	DATE	REVISIONS	
			BY

**RW** BUILDING  
CONSULTANTS, INC.  
813.659.9197

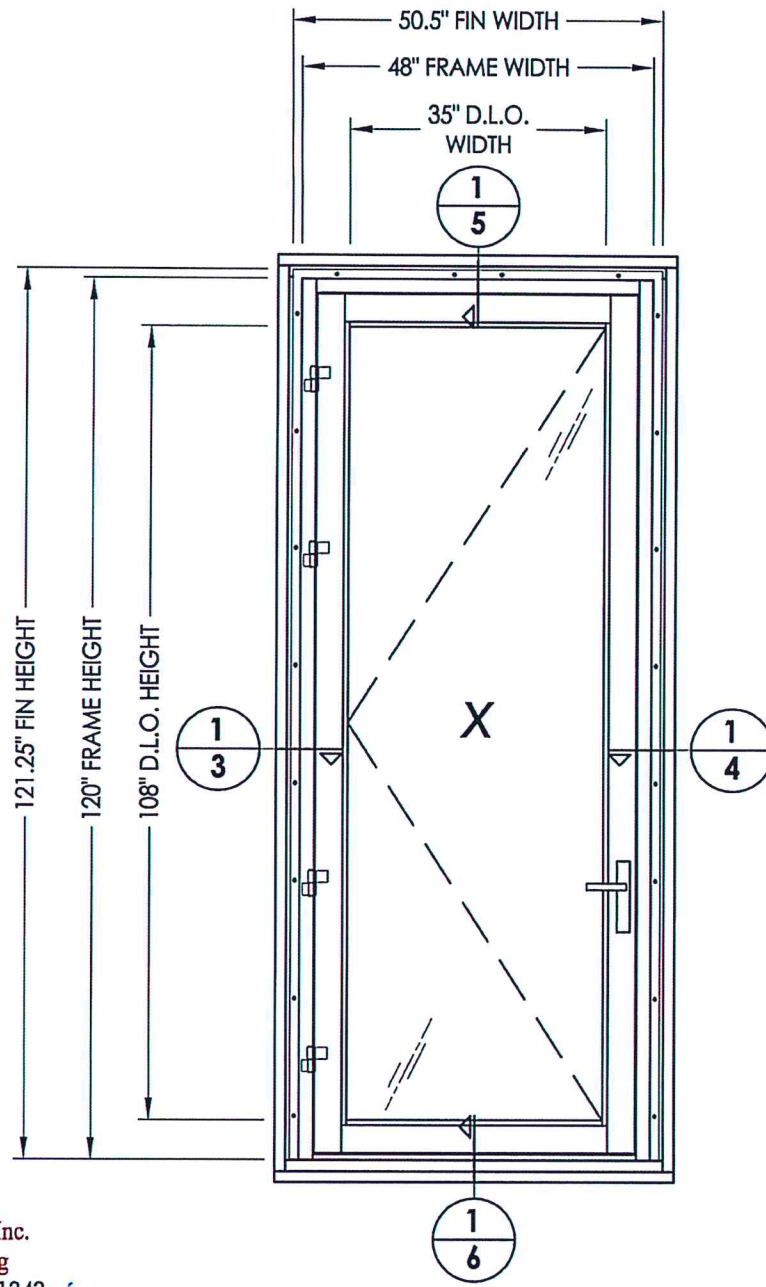
DATE: 3/17/15  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: L-7344  
 SHEET 9 OF 9



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

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343  
Date 6/26/15 Verified by *[Signature]*

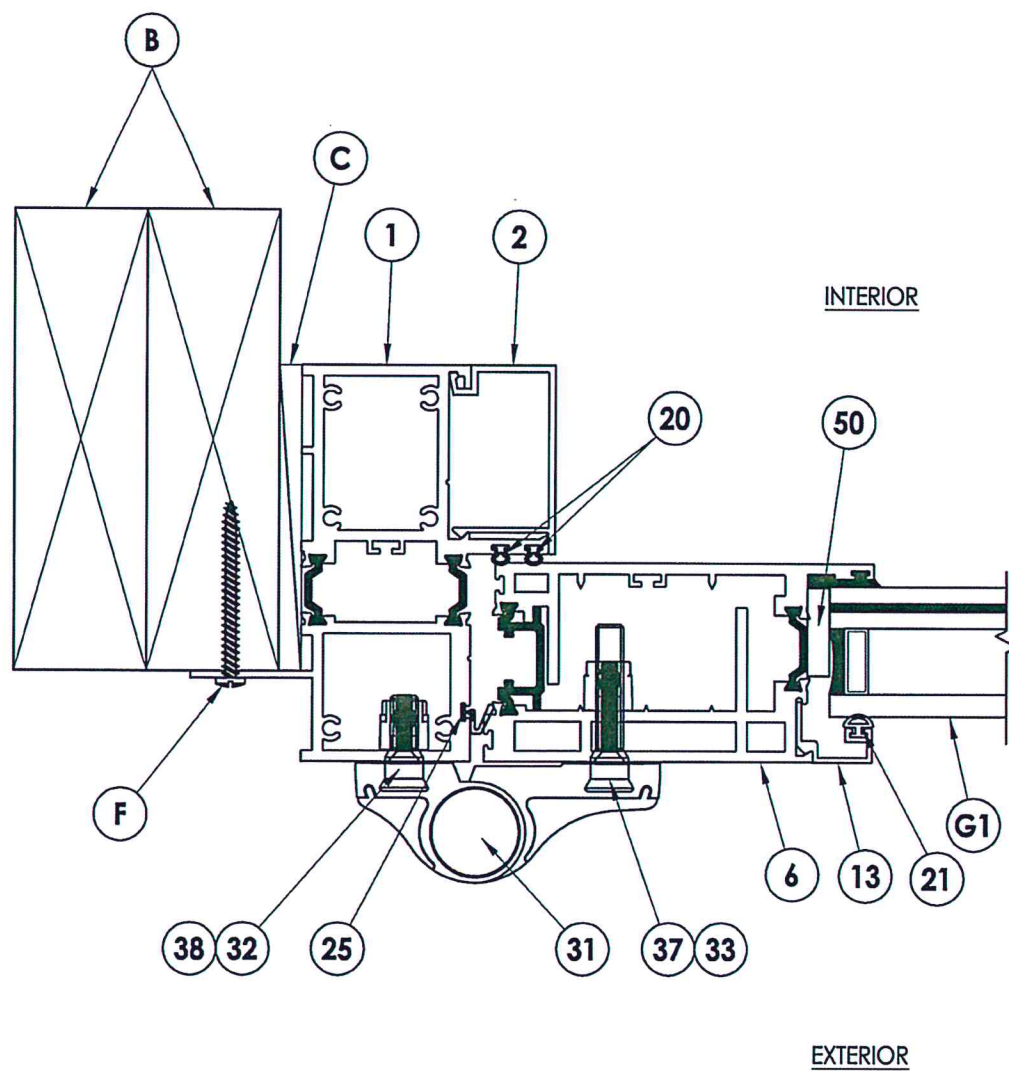
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Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01991343  
 Date 6/26/15 Verified by *[Signature]*

Note: Factory Crimped Stile

PRODUCT: FLEETWOOD SPEC. #15		PART OR ASSEMBLY: TEST ELEVATIONS	
DATE: 3/17/15	SCALE: N.T.S.	NO.	DATE
DWG. BY: JK	CHK. BY: LFS	REVISIONS	
DRAWING NO.: L-7354		BY	
SHEET 2 OF 9			



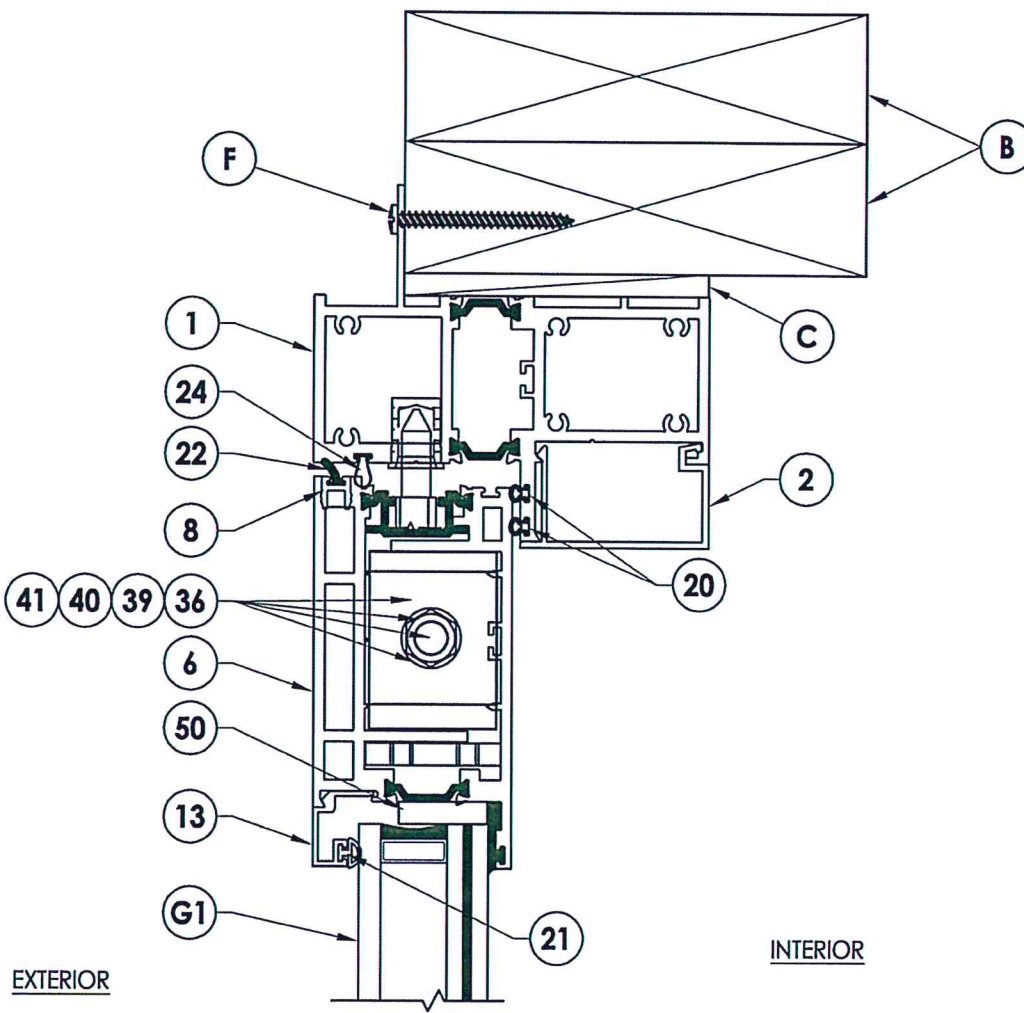
Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343  
Date 6/26/15 Verified by *[Signature]*

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

<u>PRODUCT:</u>		FLEETWOOD SPEC. #15		<u>PART OR ASSEMBLY:</u>		HORIZONTAL CROSS SECTIONS	
<div style="border: 2px solid black; padding: 5px; display: inline-block;"> <div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> <b>BUILDING CONSULTANTS, INC.</b>  813.659.9197 </div> </div>							
DATE: 3/17/15							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: L-7354							
SHEET 3 OF 9							







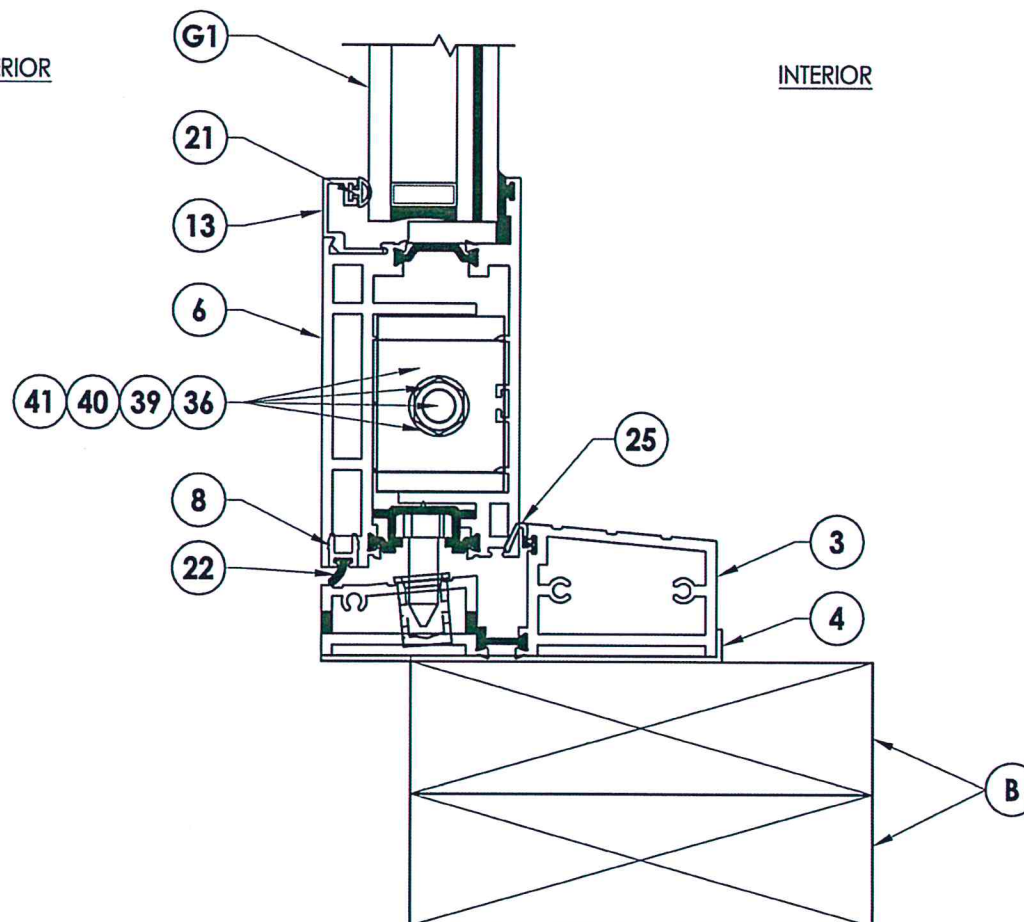
**1** **VERTICAL CROSS SECTION**  
**5**

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343  
Date 6/26/15 Verified by Sheel

[illegible]

## EXTERIOR

## INTERIOR



Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343  
Date 6/26/15 Verified by [Signature]

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

**PRODUCT:**

FLEETWOOD  
SPEC. #15

**PART OR ASSEMBLY:**

## VERTICAL CROSS SECTIONS

2

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DATE \_\_\_\_\_

	NIC
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**RW BUILDING  
CONSULTANTS, INC.**  
813.659.9197

DATE: 3/17/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

L-7354

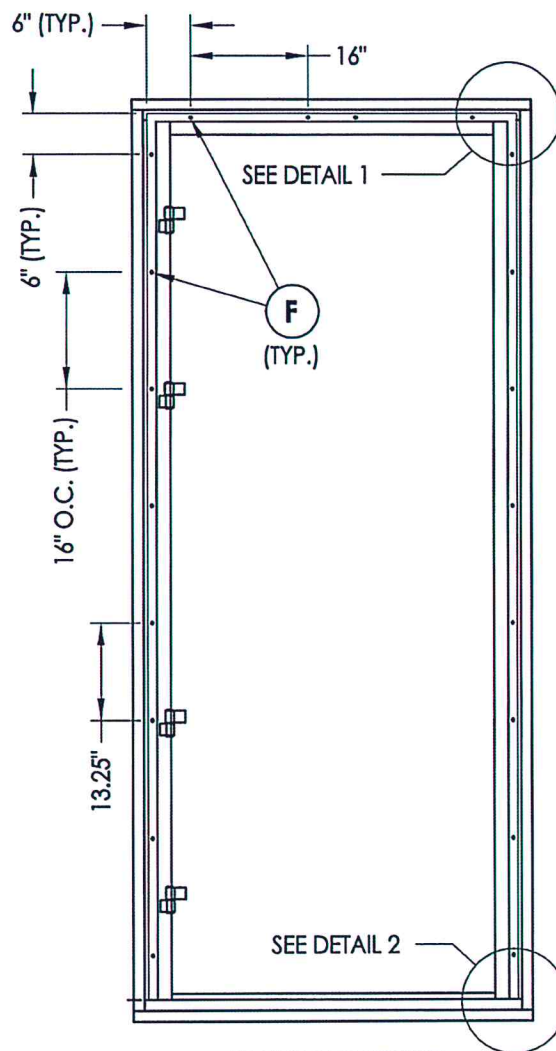
SHEET 6 OF 9



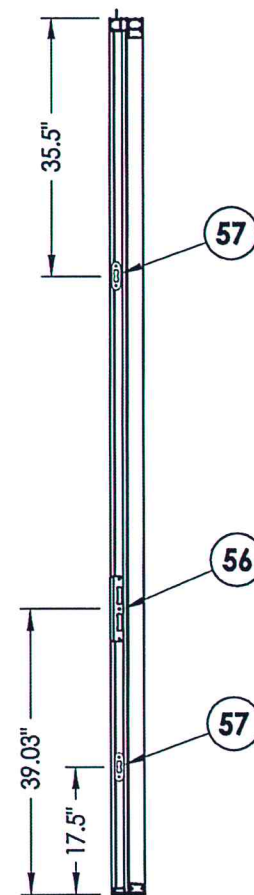
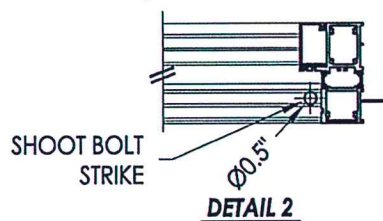
### HINGE DETAIL



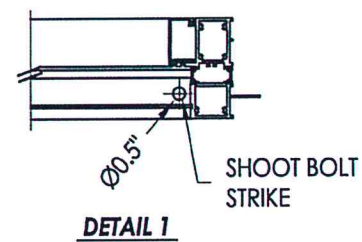
Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 0199.1343  
Date 6/26/15 Verified by ew



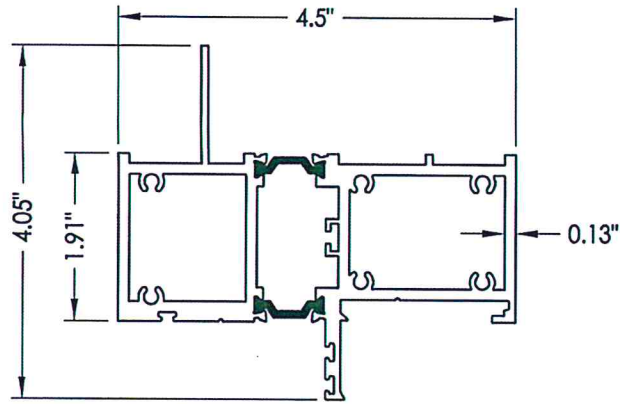
### FRAME ANCHORING (2X buck installation)



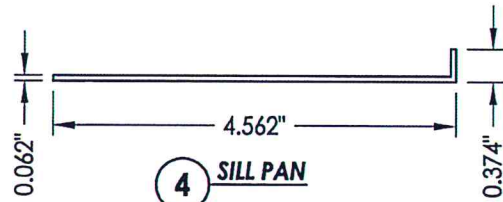
### STRIKE PLATE DETAIL



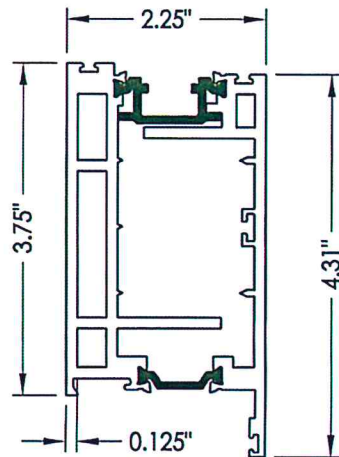
PRODUCT:		FLEETWOOD SPEC. #15		PART OR ASSEMBLY:		TEST ELEVATIONS	



**1 BLOCK HEAD & JAMBS**

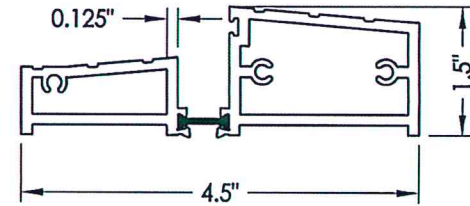


**4 SILL PAN**

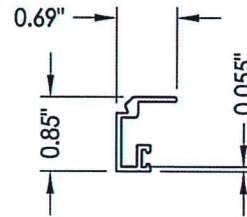


**6 SASH**

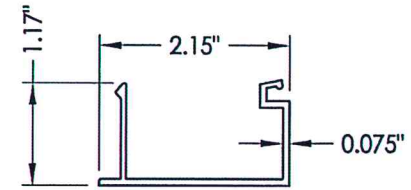
Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343/  
Date 6/26/15 Verified by *[Signature]*



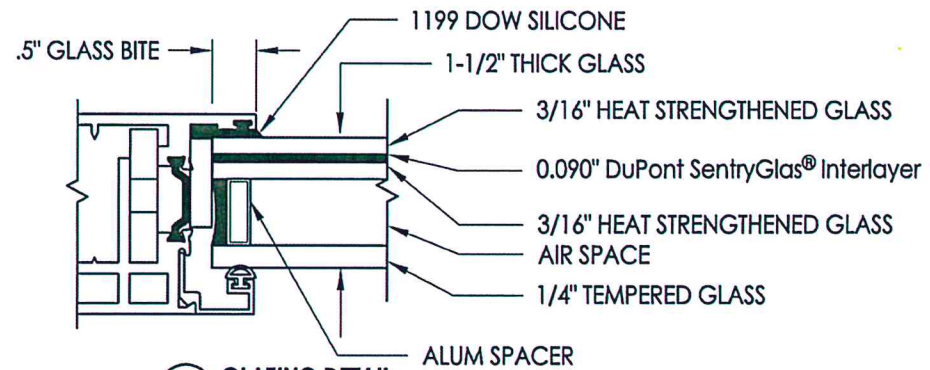
**3 OUT-SWING SILL**



**13 1.5" GLASS STOP**



**2 FRAME SNAP-IN**



**G1 GLAZING DETAIL**

PRODUCT: FLEETWOOD SPEC. #15		PART OR ASSEMBLY:		COMPONENTS AND GLAZING DETAIL	
				NO.	DATE
				BY	
				REVISIONS	
<div style="border: 1px solid black; padding: 5px;"> <b>RW</b> BUILDING CONSULTANTS, INC. 813.659.9197 </div>					
DATE: 3/17/15					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: L-7354					
SHEET 8 OF 9					




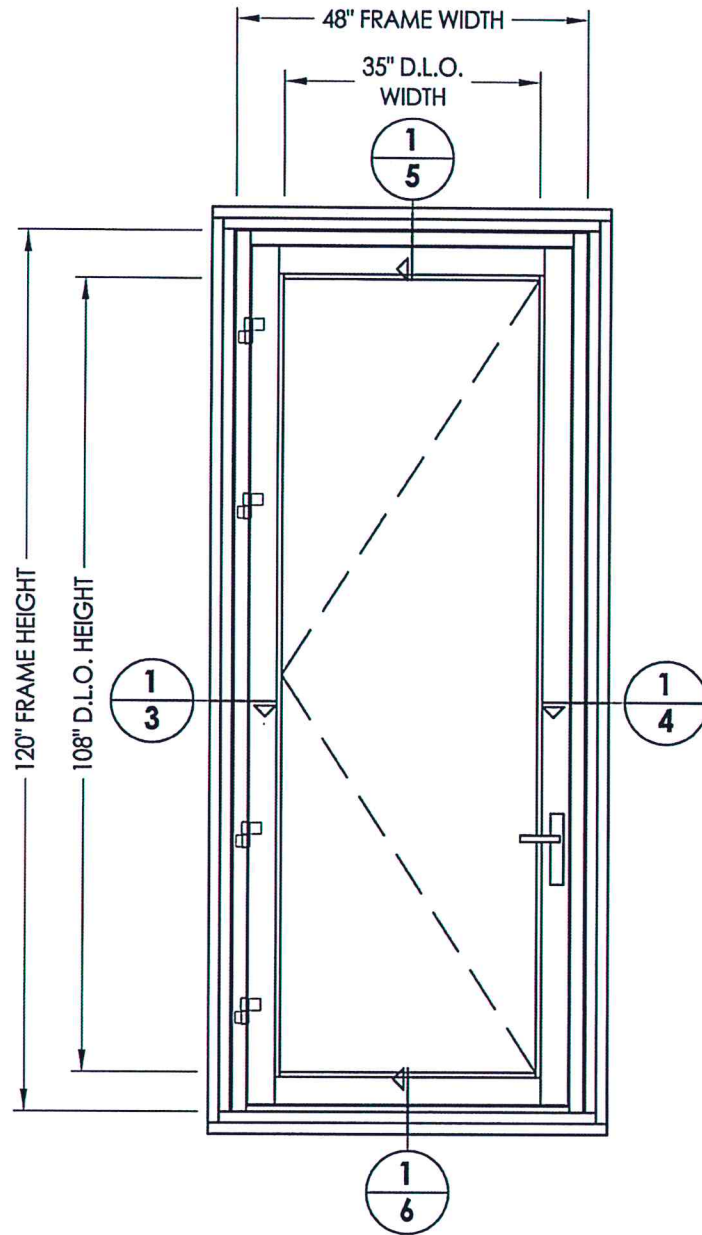
[illegible]



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

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343  
Date 6/26/15 Verified by [Signature]

FLEETWOOD SPEC. #14		PRODUCT:	
TABLE OF CONTENTS		PART OR ASSEMBLY:	
BY			
NO.		DATE	
REVISIONS			
<div> BUILDING CONSULTANTS, INC. 813.659.9197</div>			
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7352			
SHEET 1 OF 9			



Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01991343  
 Date 6/26/15 Verified by [Signature]



DATE: 3/17/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:  
 L-7352

SHEET 2 OF 9

PRODUCT:

FLEETWOOD  
 SPEC. #14

PART OR ASSEMBLY:

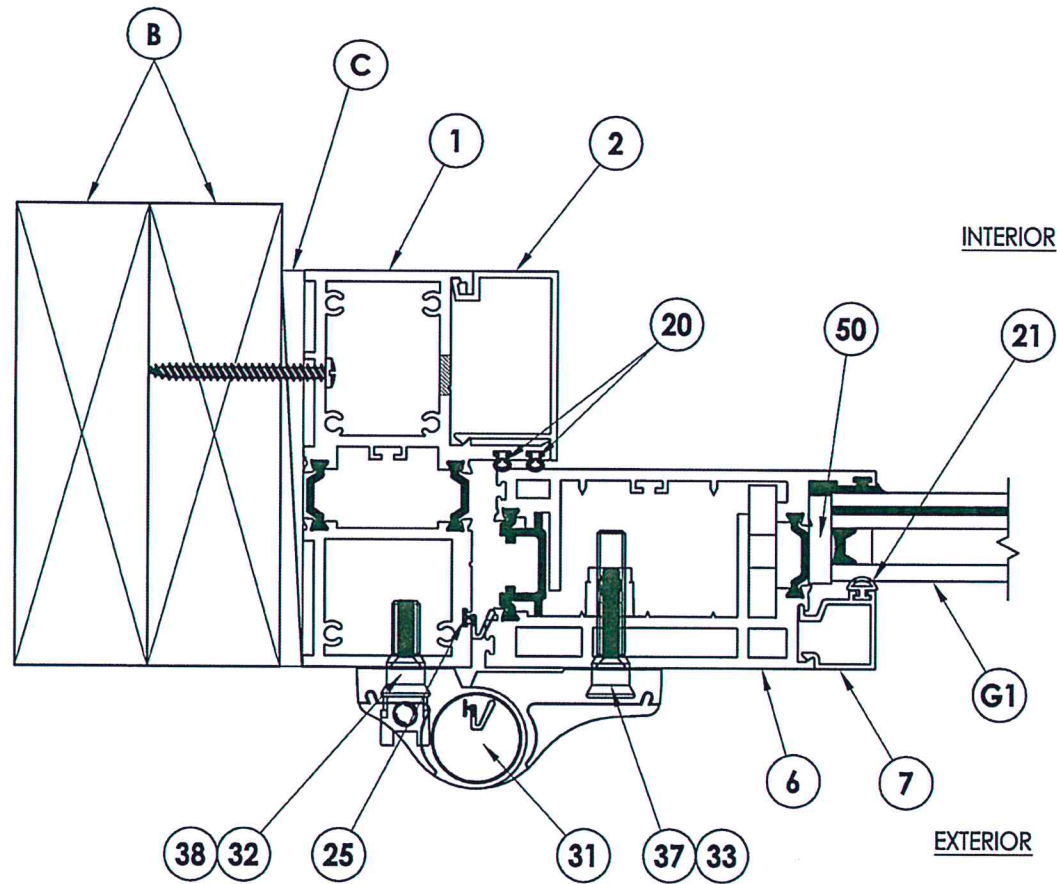
TEST ELEVATIONS

REVISIONS

BY

DATE

NO.

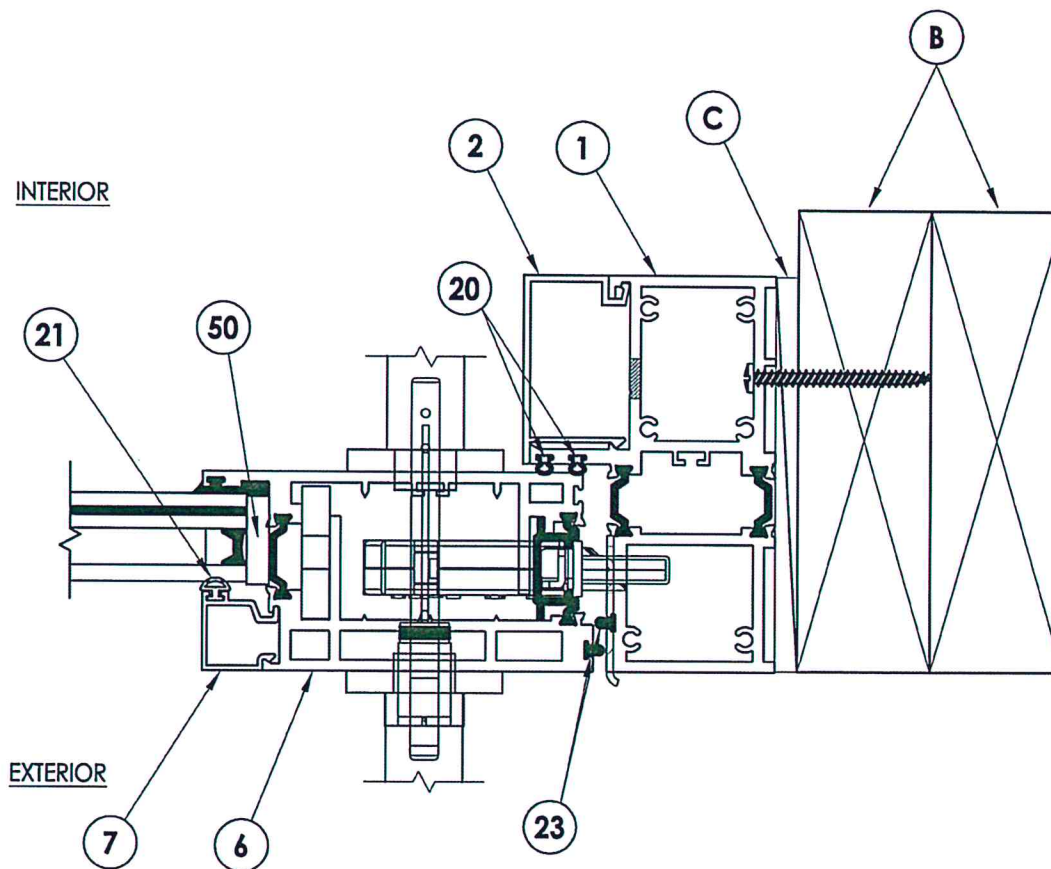


Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343  
Date 6/26/15 Verified by [Signature]

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

PRODUCT: FLEETWOOD SPEC. #14		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
		NO.	DATE
		BY	
REVISIONS			
<div style="border: 1px solid black; padding: 5px; text-align: center;"> <b>RW</b> BUILDING CONSULTANTS, INC. 813.659.9197         </div>			
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7352			
SHEET 3 OF 9			



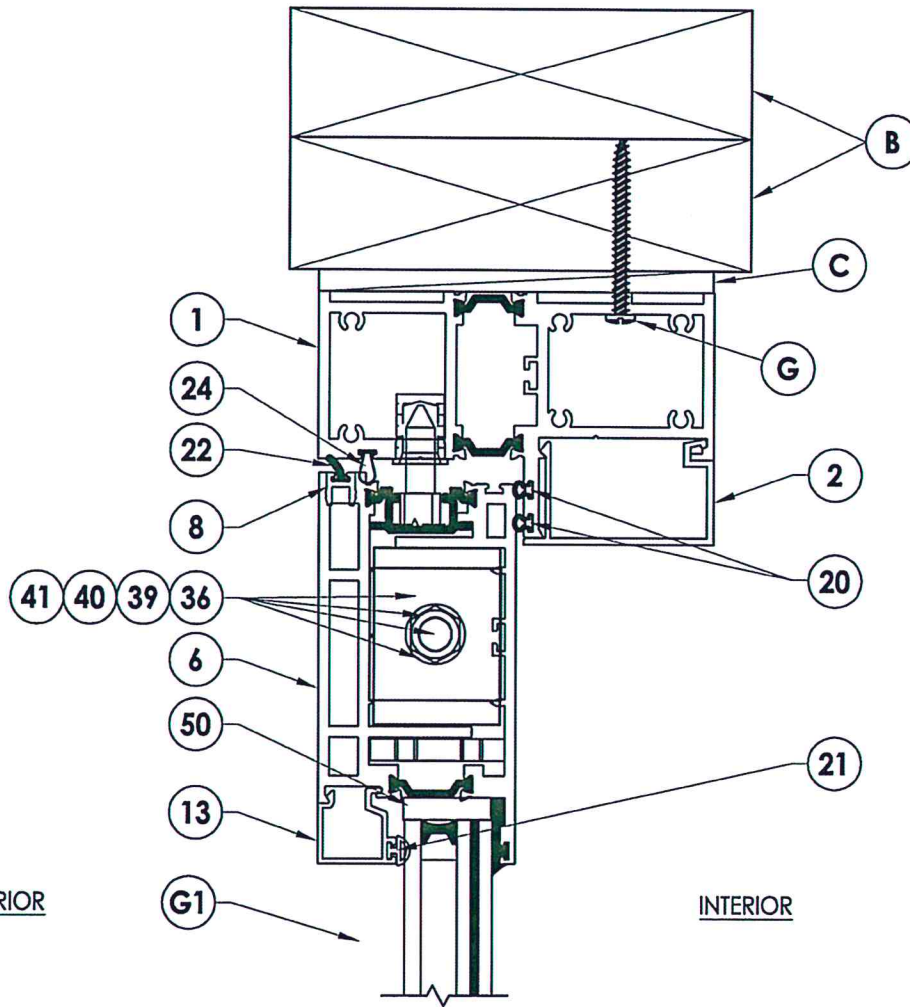


**1**  
**4** **HORIZONTAL CROSS SECTION**

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343  
Date 6/26/15 Verified by *[Signature]*

PRODUCT:		FLEETWOOD SPEC. #14	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
NO.	DATE	BY	REVISIONS
<b>RW</b> BUILDING CONSULTANTS, INC. 813.659.9197			
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7352			
SHEET 4 OF 9			

EXTERIOR



INTERIOR

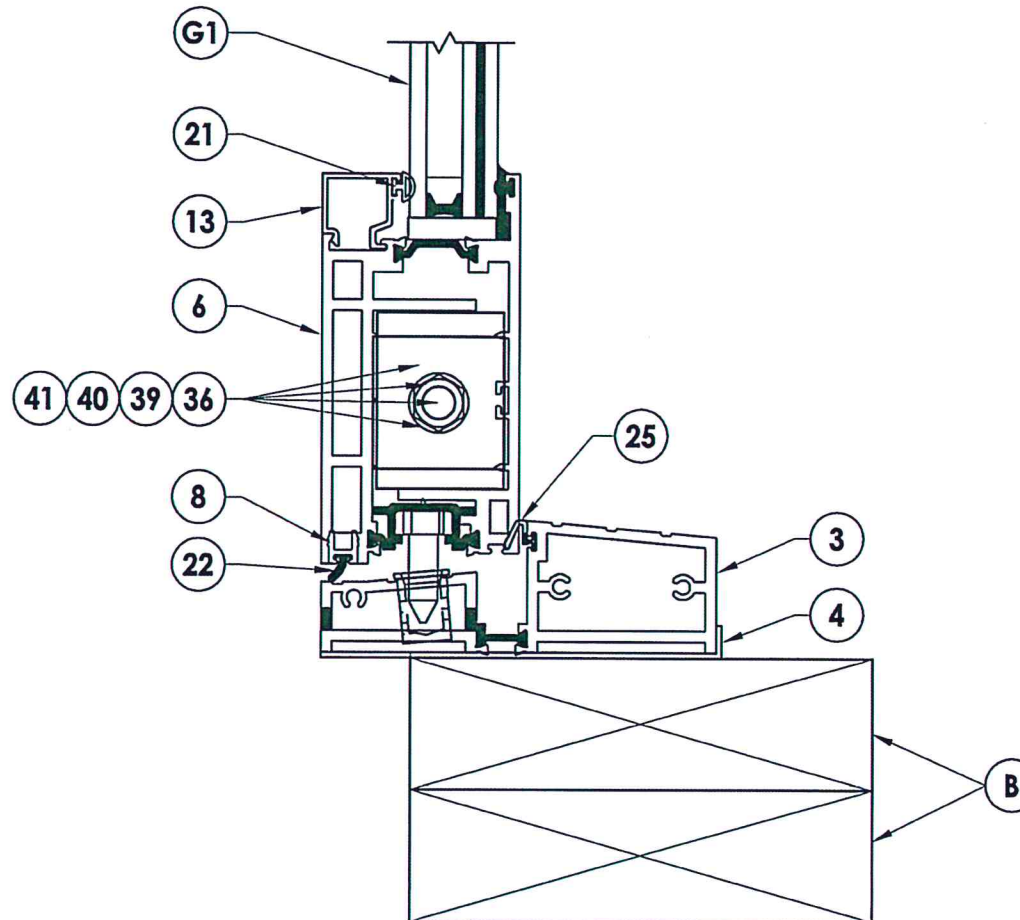
1  
5 VERTICAL CROSS SECTION

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343  
Date 6/26/15 Verified by *[Signature]*

PRODUCT: FLEETWOOD SPEC. #14		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
DATE: 3/17/15		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: L-7352		SHEET 5 OF 9	
NO.		DATE	
BY		REVISIONS	

EXTERIOR

INTERIOR



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

Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343  
Date 6/26/15 Verified by *[Signature]*

PRODUCT: FLEETWOOD  
SPEC. #14

PART OR ASSEMBLY:  
VERTICAL  
CROSS SECTIONS

NO.	DATE	REVISIONS	BY

**RW** BUILDING  
CONSULTANTS, INC.  
813.659.9197

DATE: 3/17/15

SCALE: N.T.S.

DWG. BY: JK

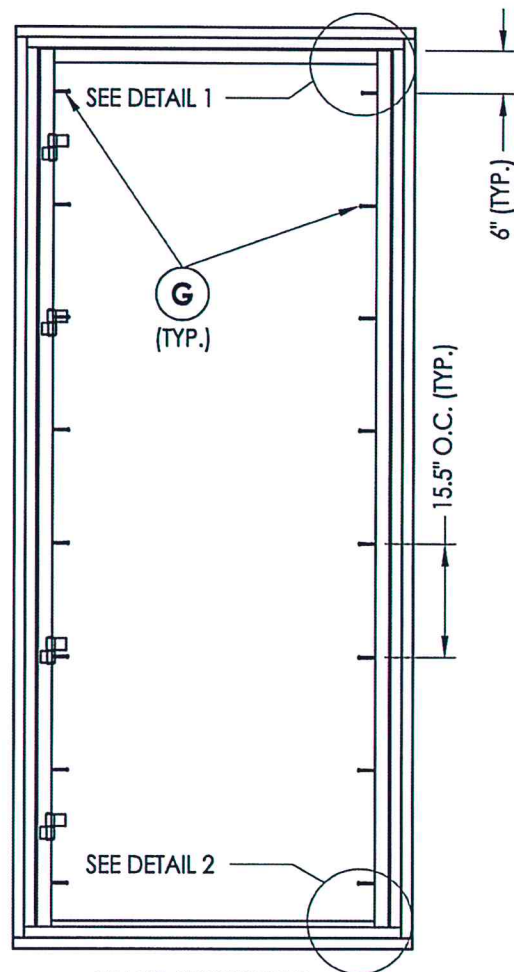
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DRAWING NO.:  
L-7352

SHEET 6 OF 9



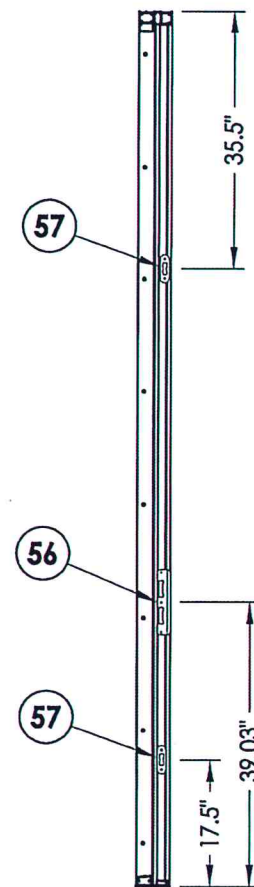
Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343  
Date 6/26/15 Verified by [Signature]

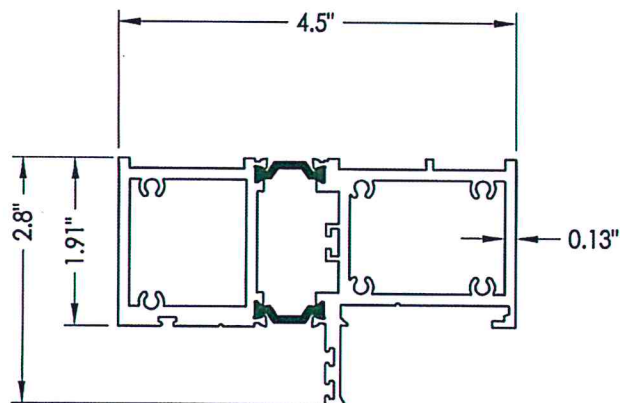


SHOOT BOLT STRIKE

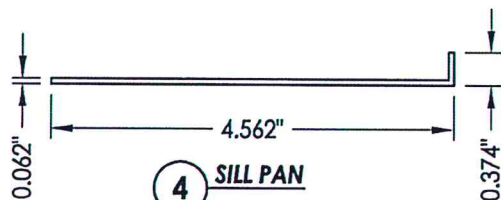
**DETAIL 2**

Ø0.5"

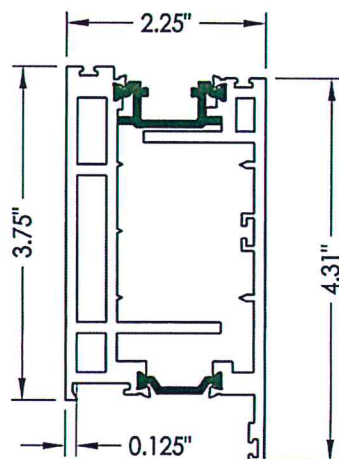
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**1 BLOCK HEAD & JAMBS**

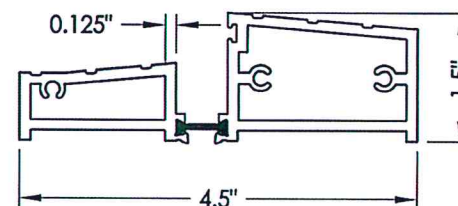


**4 SILL PAN**

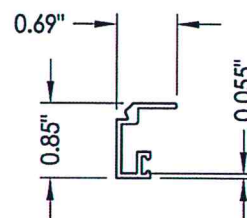


**6 SASH**

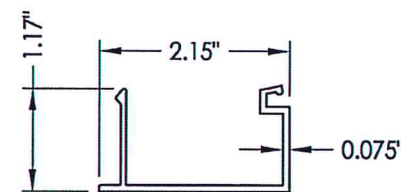
Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 01991343  
Date 6/26/15 Verified by *[Signature]*



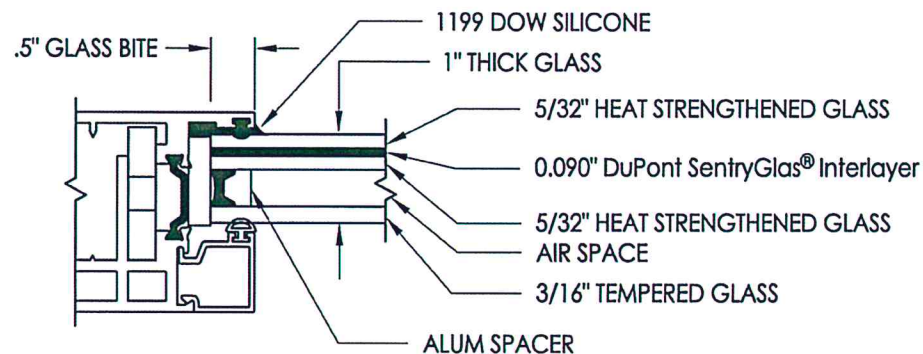
**3 OUT-SWING SILL**



**13 1.5" GLASS STOP**



**2 FRAME SNAP-IN**



**G1 GLAZING DETAIL**

PRODUCT: FLEETWOOD SPEC. #14		PART OR ASSEMBLY:		COMPONENTS AND GLAZING DETAIL	
				BY	
				NO.	DATE
				REVISIONS	
<b>RW BUILDING CONSULTANTS, INC.</b> 813.659.9197					
DATE: 3/17/15					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: L-7352					
SHEET 8 OF 9					



[illegible]