



# Testing Evaluation Laboratories, Inc.

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

## 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**

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

Water Infiltration (ASTM E331-00) (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	0.002"	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**

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

Water Infiltration (ASTM E331-00) (Standard Weatherstrip)	Pressure	Time	Result
	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			

Water Infiltration (ASTM E331-00) (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	0.149"	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**

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

Water Infiltration (ASTM E331-00) (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**

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

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

<b>Range</b>	<b>Time (sec)</b>	<b>Load (psf)</b>	<b>Location</b>	<b>Deflection</b>	<b>Allowable (Def)</b>
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)**

<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	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

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	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

\*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.

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

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	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

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	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

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	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.

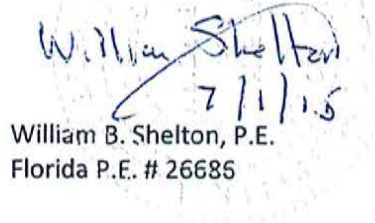
Testing Evaluation Laboratories, Inc. makes no opinions or endorsements regarding this product and its performance. This report may not be reproduced or quoted in partial form without the expressed written approval of Testing Evaluation Laboratories, Inc.

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, 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


  
William B. Shelton, P.E.  
Florida P.E. # 26685

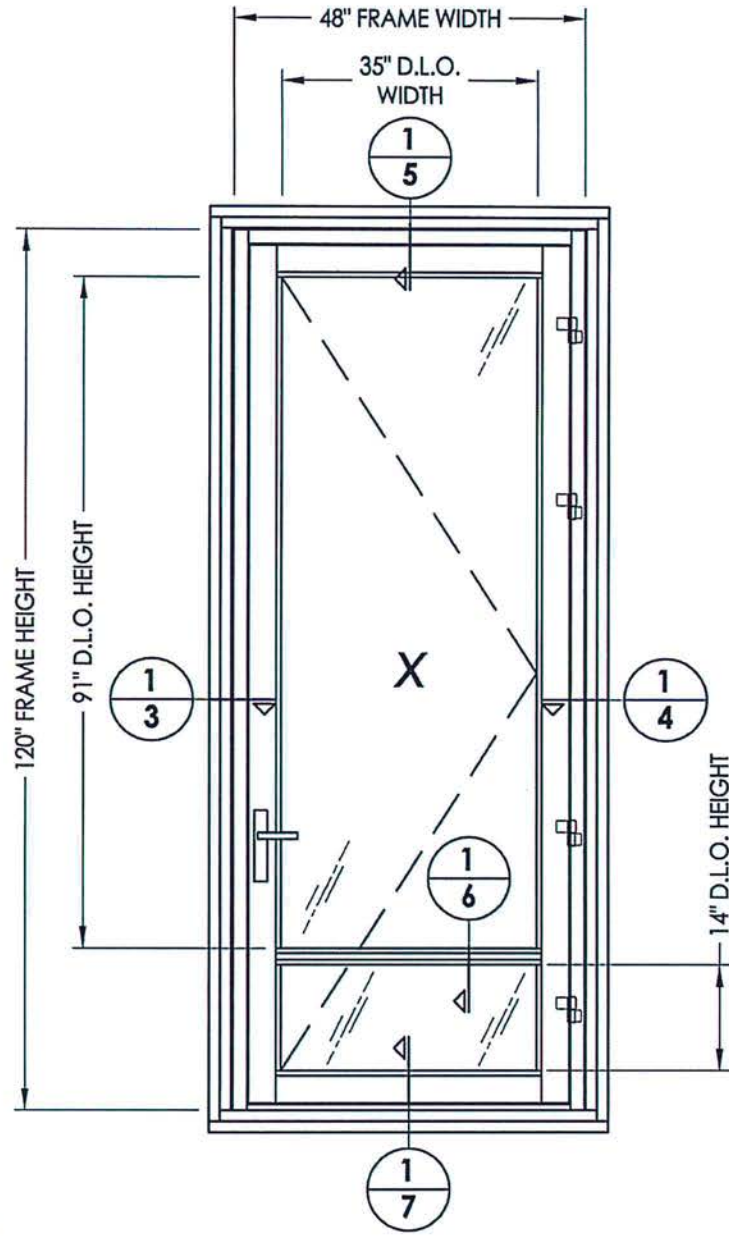
**Revision Log**

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

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	Vertical cross sections
8	Frame anchoring
9	Components and glazing detail
10	Bill of materials

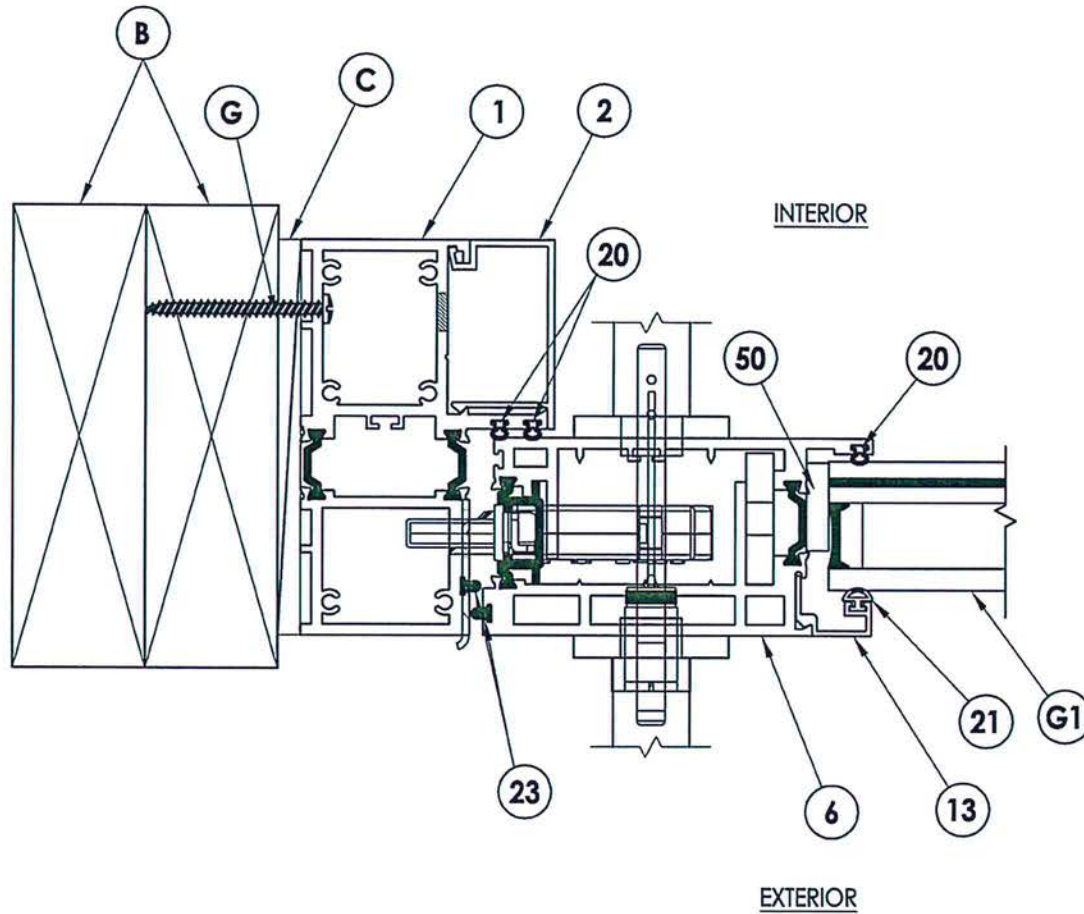
Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01991343  
 Date 6/26/15 Verified by WKL

PRODUCT:		FLEETWOOD SPEC. #8	
PART OR ASSEMBLY:		TABLE OF CONTENTS	
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-7353</u>			
SHEET <u>1</u> OF <u>10</u>			




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

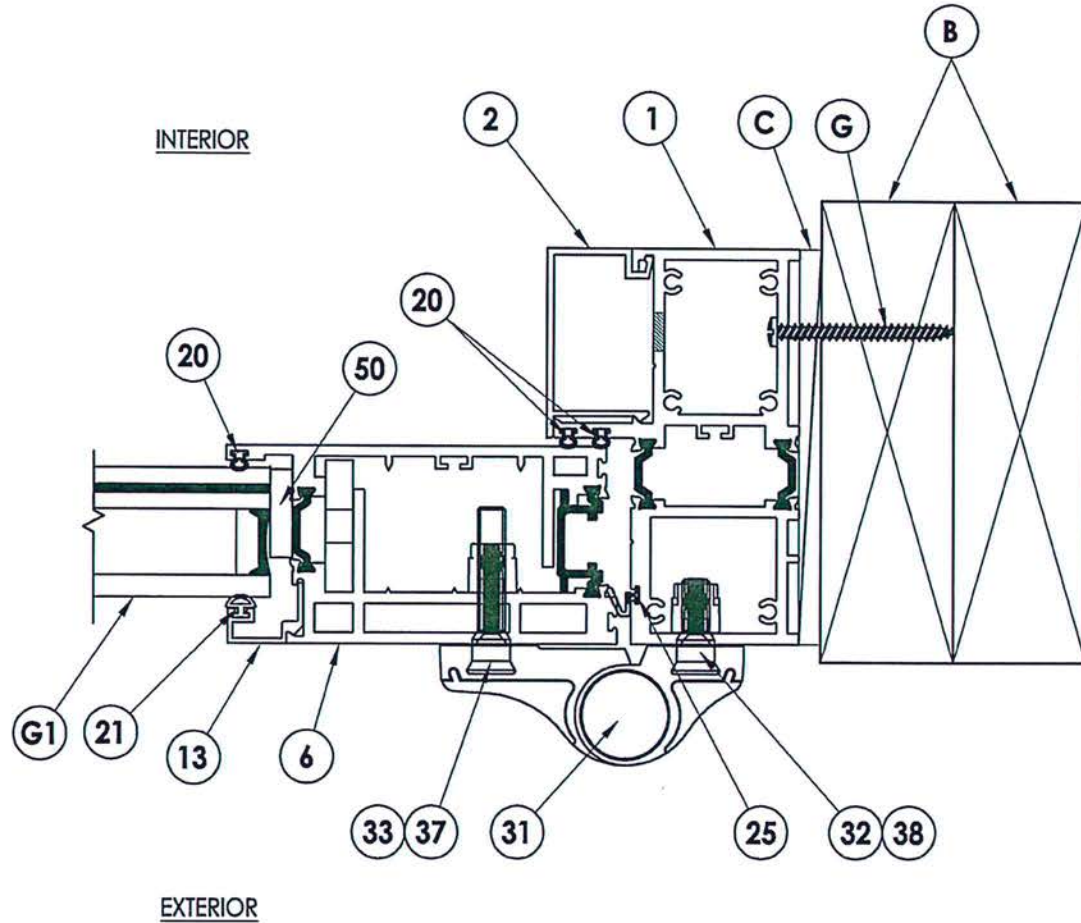
PRODUCT: FLEETWOOD SPEC. #8		PART OR ASSEMBLY: TEST ELEVATIONS	
NO.	DATE	REVISIONS	BY
RW BUILDING CONSULTANTS, INC. 813.659.9197			
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7353			
SHEET 2 OF 10			



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

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

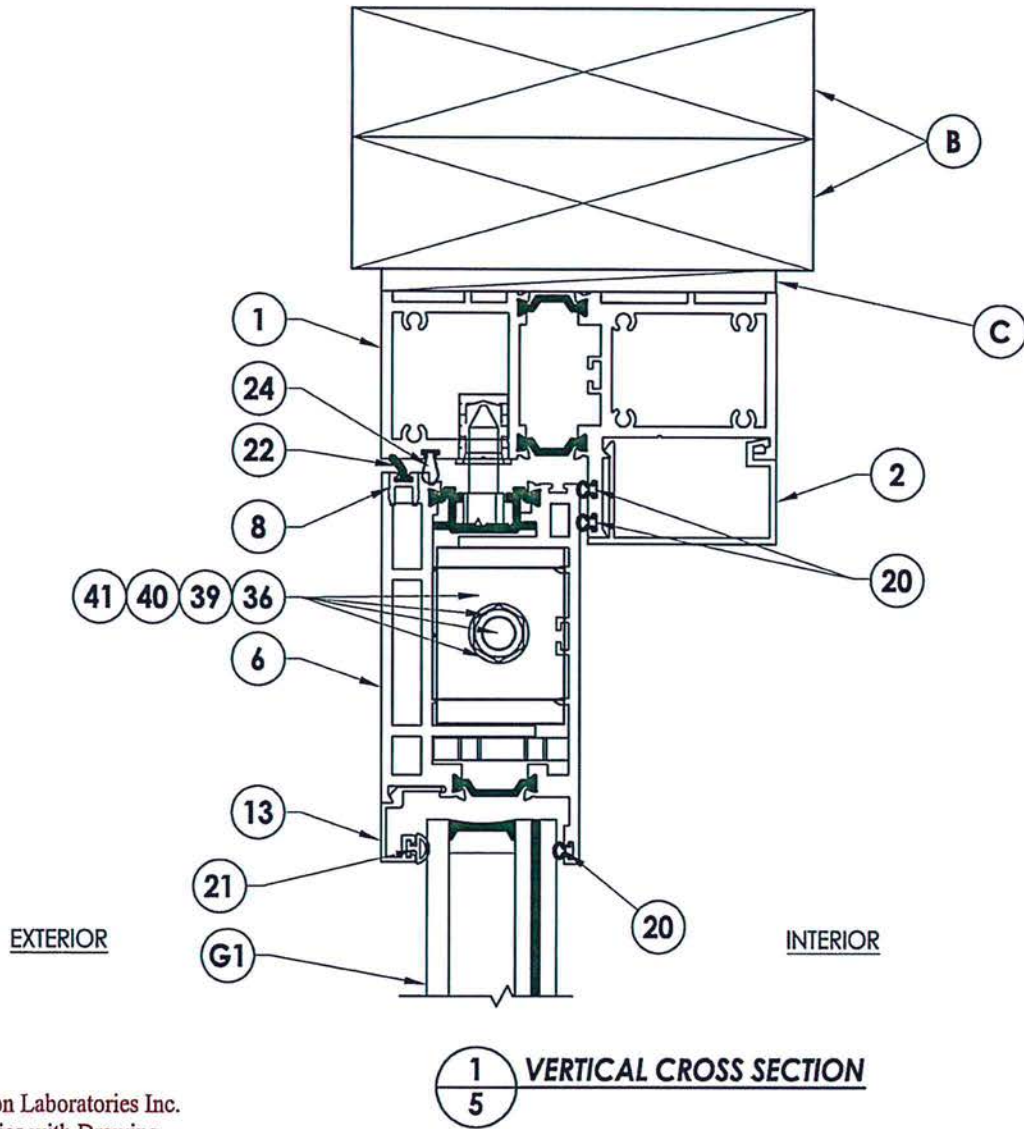
PRODUCT: FLEETWOOD SPEC. #8		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
NO.	DATE	REVISIONS	BY
 RW BUILDING CONSULTANTS, INC. 813.659.9197			
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.:			
L-7353			
SHEET 3 OF 10			



**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. #8	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
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-7353			
SHEET 4 OF 10			

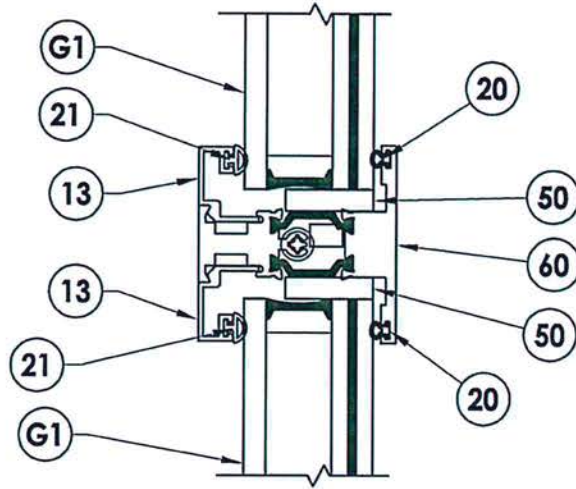


Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01891343  
 Date 6/26/15 Verified by *[Signature]*

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

PRODUCT:		FLEETWOOD SPEC. #8	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
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 5 of 10			

EXTERIOR

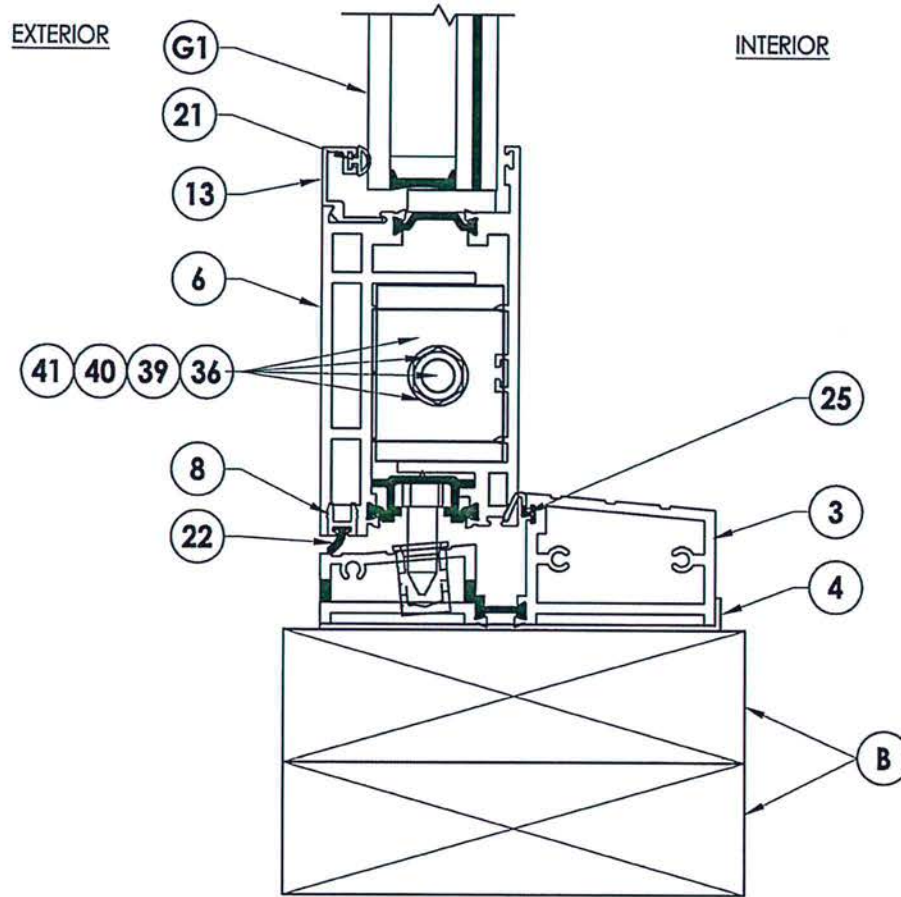


INTERIOR

1  
6 VERTICAL CROSS SECTION

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

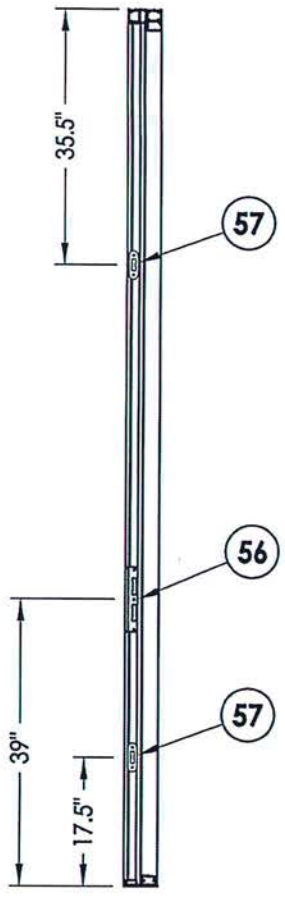
PRODUCT:		FLEETWOOD SPEC. #8	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
NO.	DATE	REVISIONS	BY
R.W. BUILDING CONSULTANTS, INC. 813.659.9197			
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.:			
L-7353			
SHEET 6 OF 10			



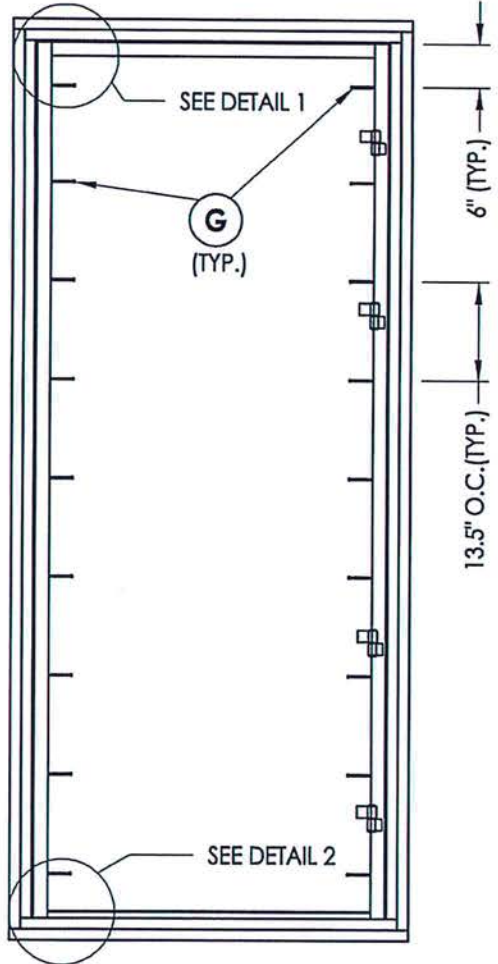
**1**  
**7** **VERTICAL CROSS SECTION**

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

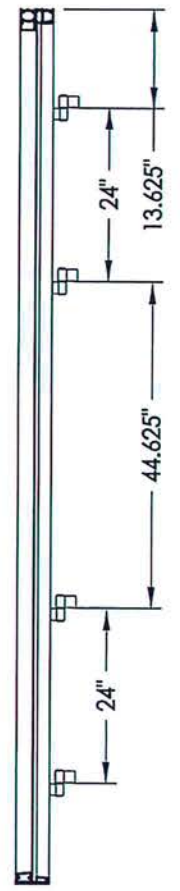
PRODUCT: FLEETWOOD SPEC. #8		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
NO.	DATE	REVISIONS	BY
RW BUILDING CONSULTANTS, INC. 813.659.9197			
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7353			
SHEET 7 OF 10			



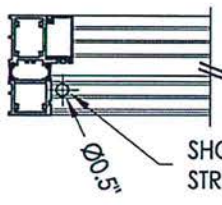
**STRIKE PLATE DETAIL**



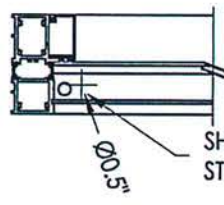
**FRAME ANCHORING  
(2X buck installation)**



**HINGE DETAIL**



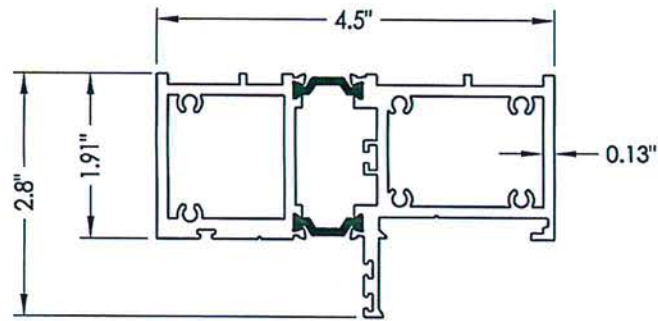
**DETAIL 2**



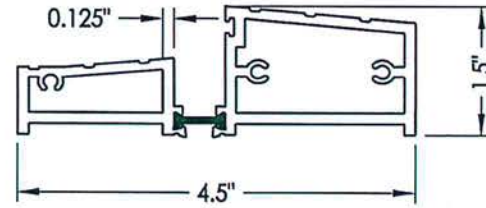
**DETAIL 1**

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

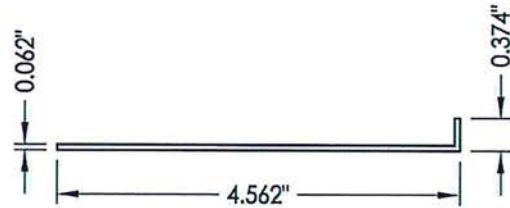
PRODUCT:		FLEETWOOD SPEC. #8	
PART OR ASSEMBLY:		TEST ELEVATIONS	
NO.	DATE	REVISIONS	BY
RW BUILDING CONSULTANTS, INC. 813.659.9197			
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7353			
SHEET 8 OF 10			



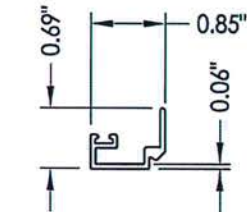
1 BLOCK HEAD & JAMBS



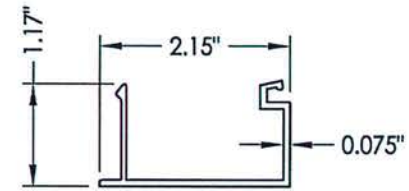
3 OUT-SWING SILL



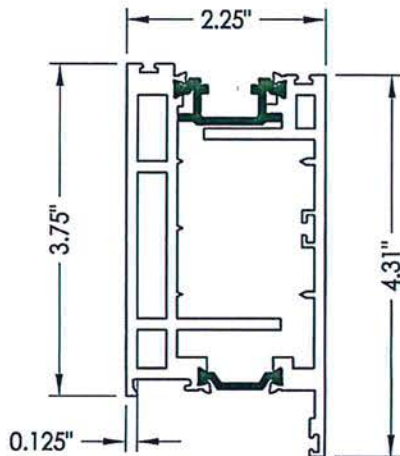
4 SILL PAN



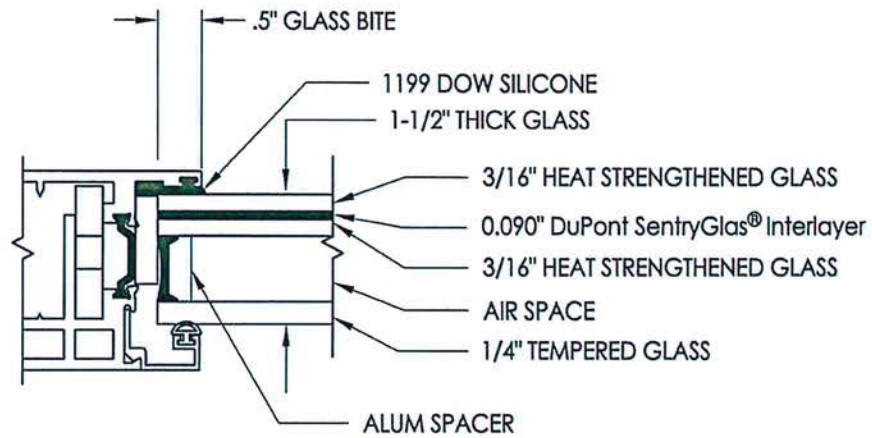
13 1-1/2" GLASS STOP



2 FRAME SNAP-IN



6 SASH




G1 GLAZING DETAIL

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

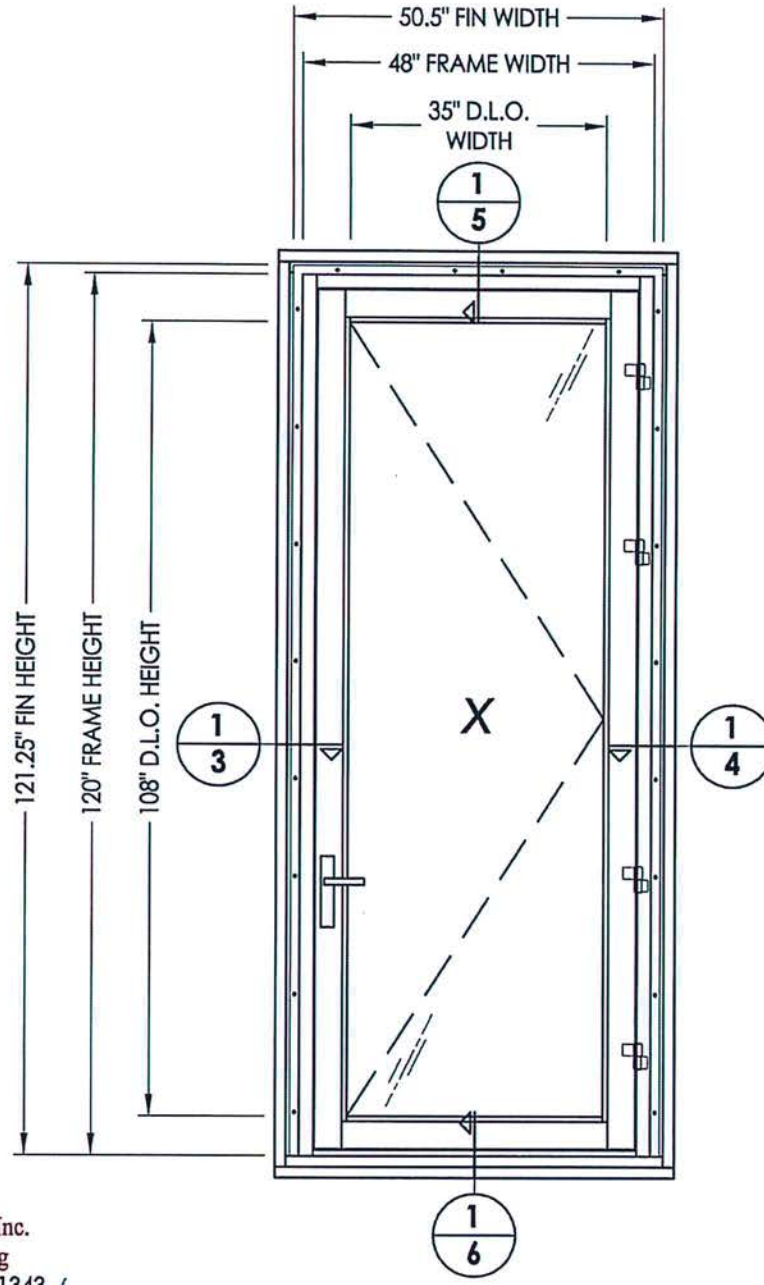
PRODUCT:		FLEETWOOD SPEC. #8	
PART OR ASSEMBLY:		COMPONENTS AND GLAZING DETAIL	
NO.	DATE	BY	REVISIONS
 RW BUILDING CONSULTANTS, INC. 813.659.9197			
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7353			
SHEET 9 OF 10			

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
			
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 *[Signature]*





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

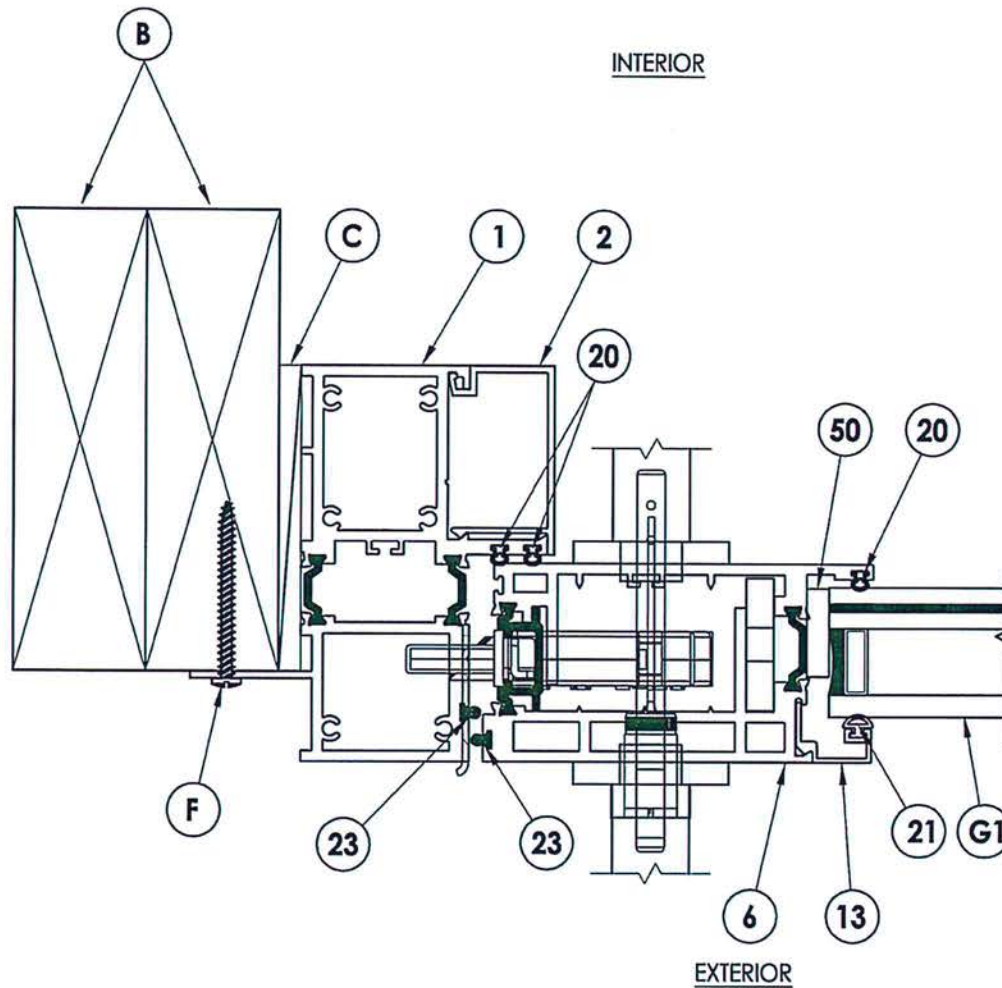
REVISIONS

BY

NO.

DATE

R:\Clients\Fleetwood PERMANENT Drawings\Lab Dwgs\L-7343.dwg

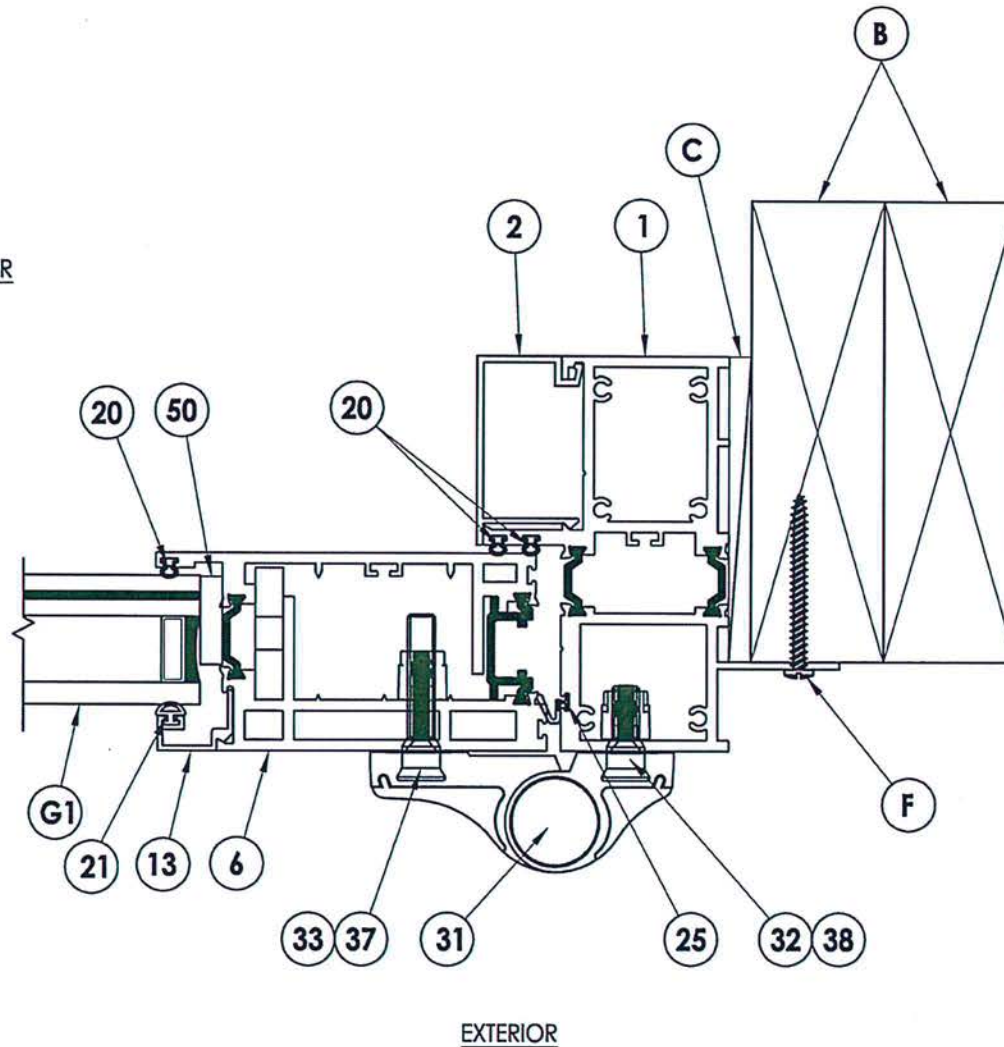


1  
3 **HORIZONTAL CROSS SECTION**

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

PRODUCT: FLEETWOOD SPEC. #12, 12A		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
NO.	DATE	REVISIONS	BY
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.:			
L-7343			
SHEET 3 OF 9			

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 [Signature]

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

SCALE: N.T.S.

DWG. BY: JK

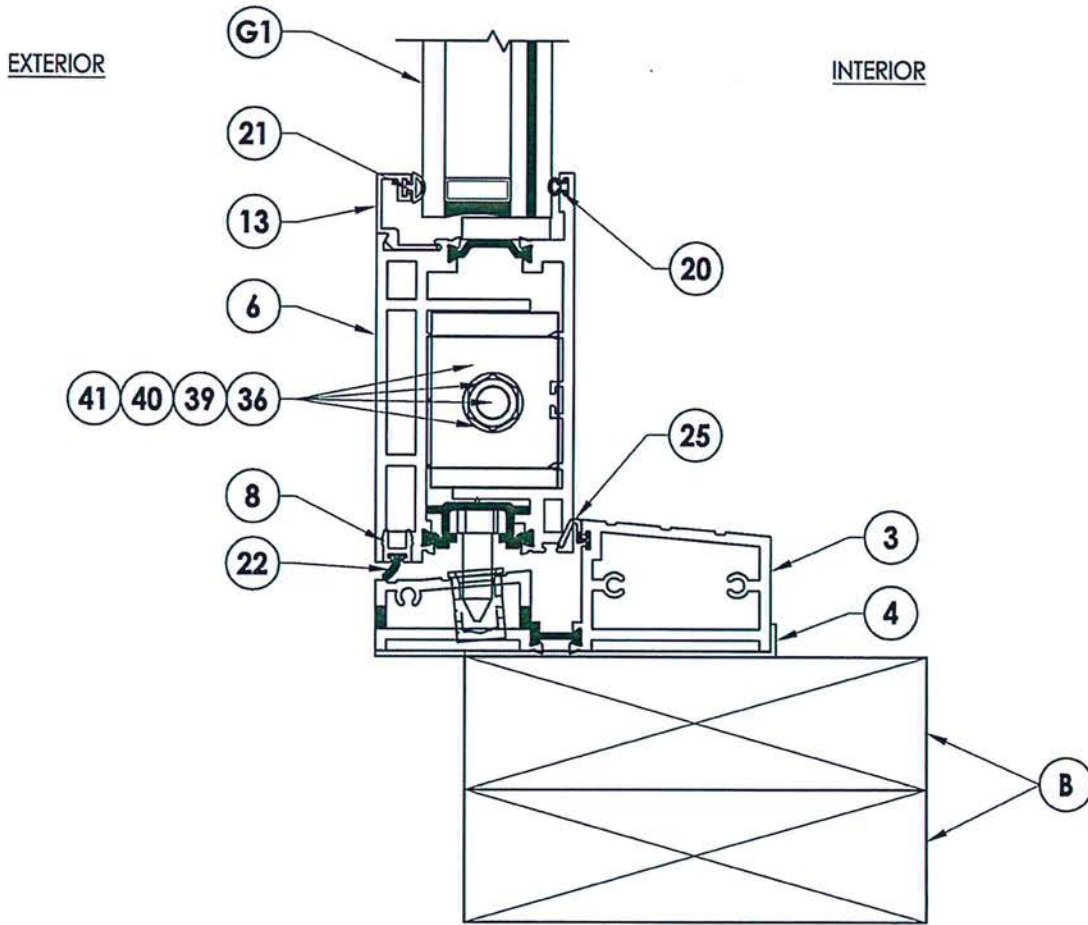
CHK. BY: LFS

DRAWING NO.:  
L-7343

SHEET 4 OF 9



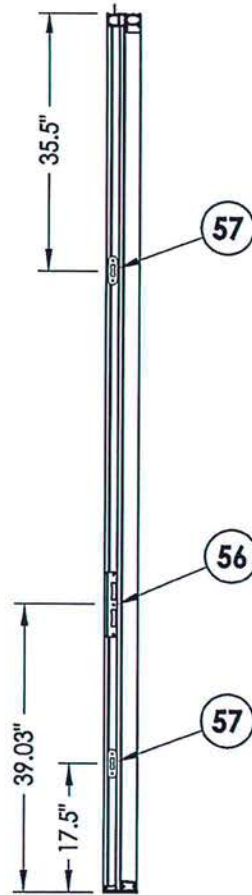
R:\Clients\Fleetwood PERMANENT\Drawings\Lab Dwgs\L-7343.dwg



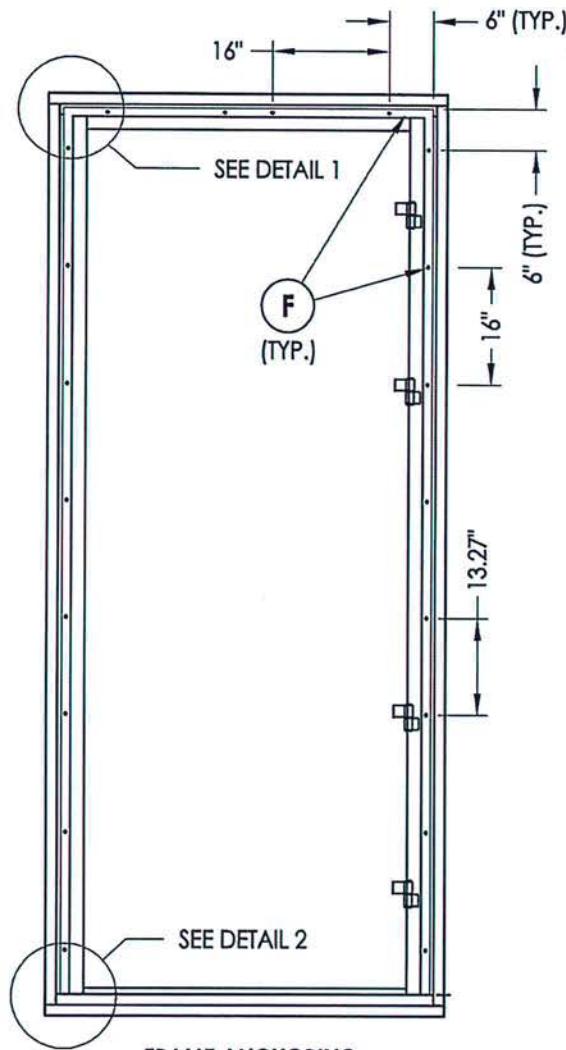
1  
6 **VERTICAL CROSS SECTION**

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

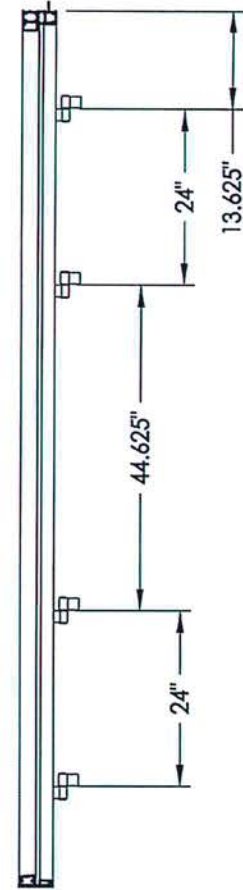
PRODUCT: FLEETWOOD SPEC. #12, 12A		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
		NO.	DATE
		BY	REVISIONS
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7343			
SHEET 6 OF 9			



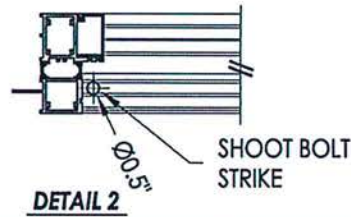
**STRIKE PLATE DETAIL**



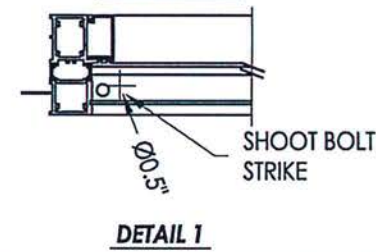
**FRAME ANCHORING  
(2X buck installation)**



**HINGE DETAIL**



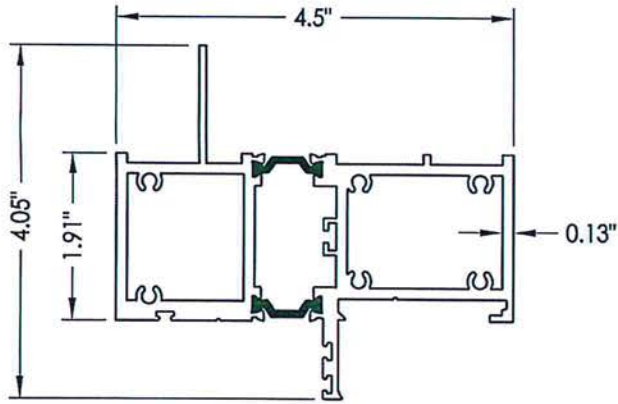
**DETAIL 2**



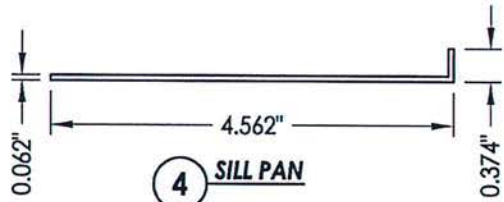
**DETAIL 1**

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

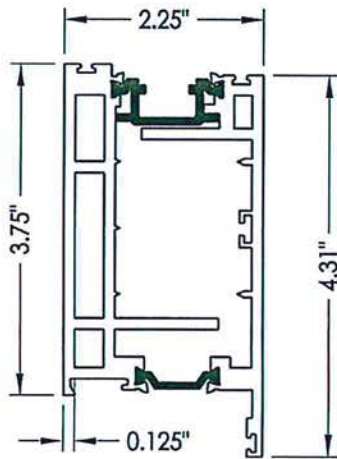
PRODUCT: FLEETWOOD SPEC. #12, 12A		PART OR ASSEMBLY: TEST ELEVATIONS	
NO.	DATE	REVISIONS	BY
RW BUILDING CONSULTANTS, INC. 813.659.9197			
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7343			
SHEET 7 OF 9			



**1** BLOCK HEAD & JAMBS

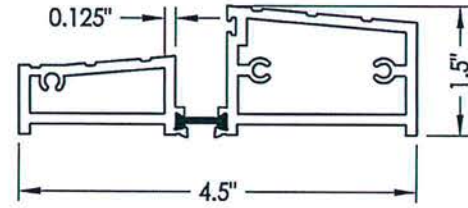


**4** SILL PAN

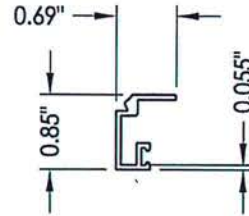


**6** SASH

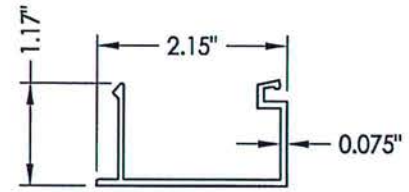
Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 0199,1343  
 Date 6/26/15 Verified by *[Signature]*



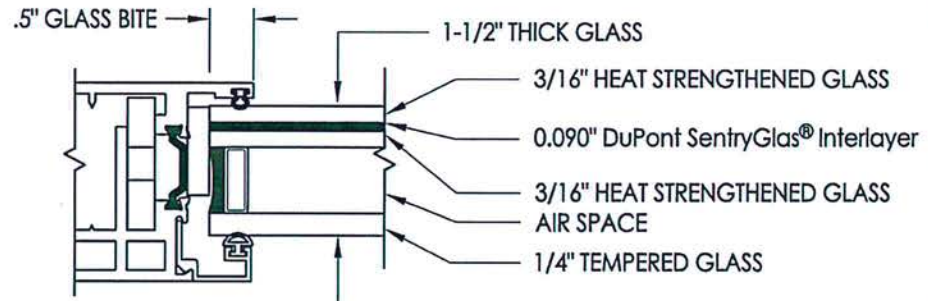
**3** OUT-SWING SILL



**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	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-7343

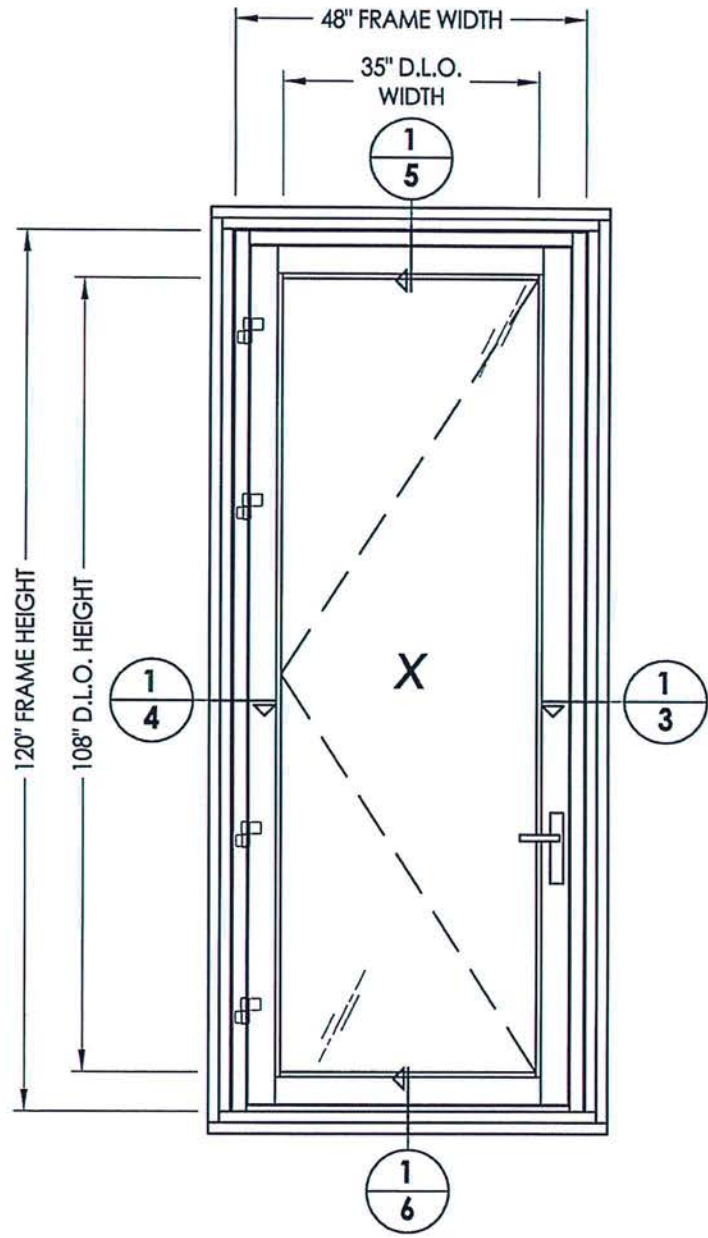
SHEET 8 OF 9

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
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
20	BULB VINYL - MINI (EPDM 70 Durometer)	25199	TREMCO, # TX20801E
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. #12, 12A	
PART OR ASSEMBLY:		BILL OF MATERIALS	
NO.	DATE	REVISIONS	
			BY
			
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.:			
L-7343			
SHEET 9 OF 9			

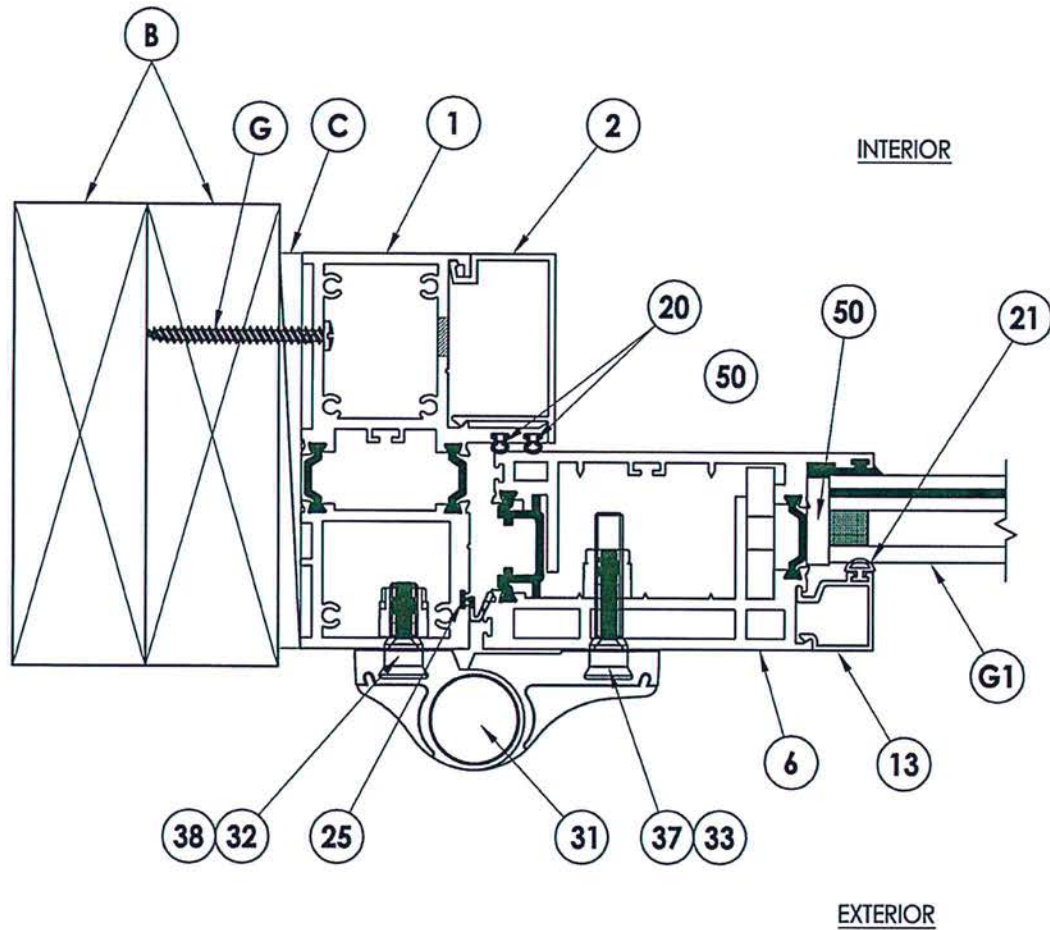




Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01991343  
 Date 6/26/15 Verified by [Signature]

PRODUCT: FLEETWOOD SPEC. #12B, 12C, 12D		PART OR ASSEMBLY: TEST ELEVATIONS	
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 <u>2</u> OF <u>9</u>			

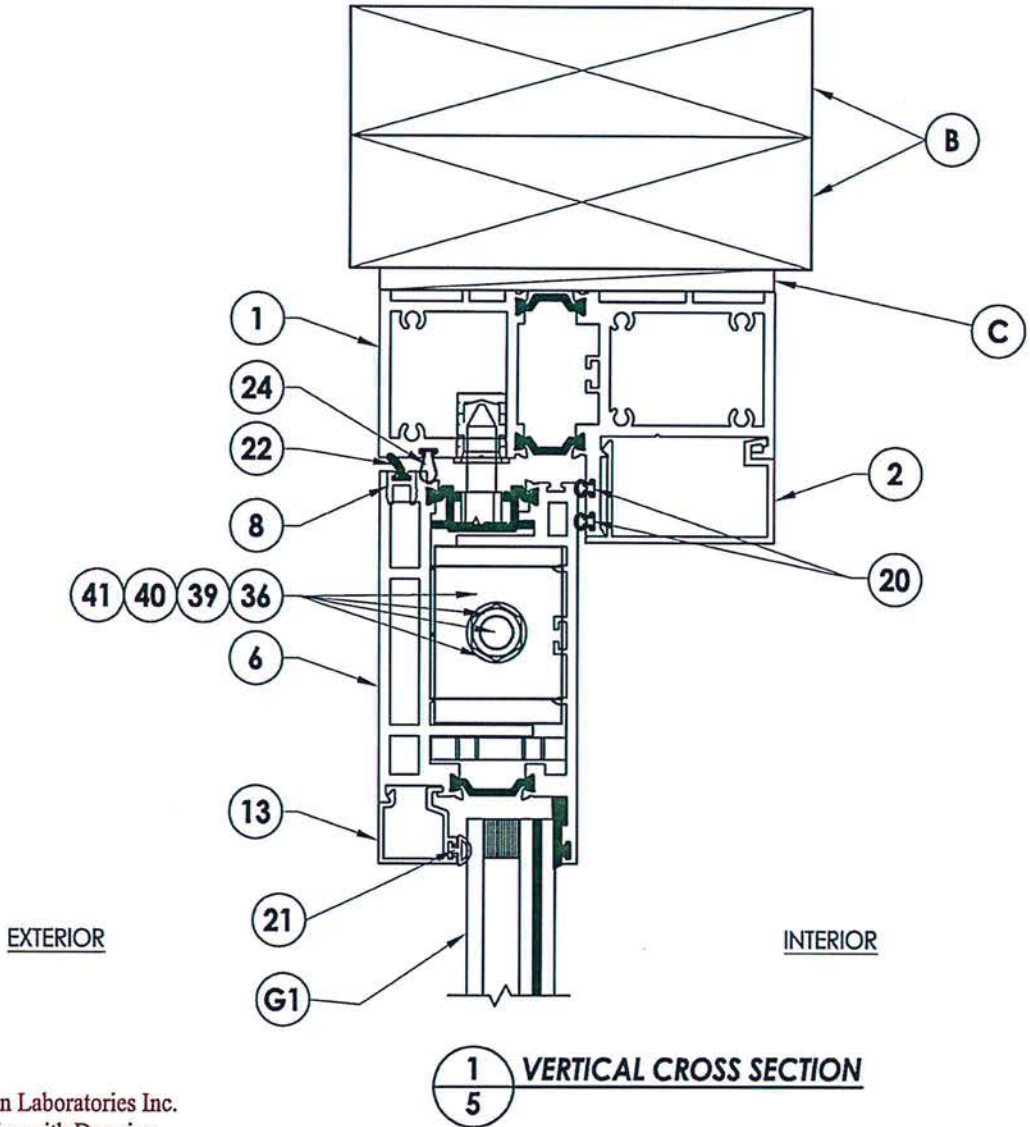




**1**  
**4** HORIZONTAL CROSS SECTION

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

PRODUCT: FLEETWOOD SPEC. #12B, 12C, 12D		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
NO.	DATE	REVISIONS	BY
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7344			
SHEET 4 OF 9			



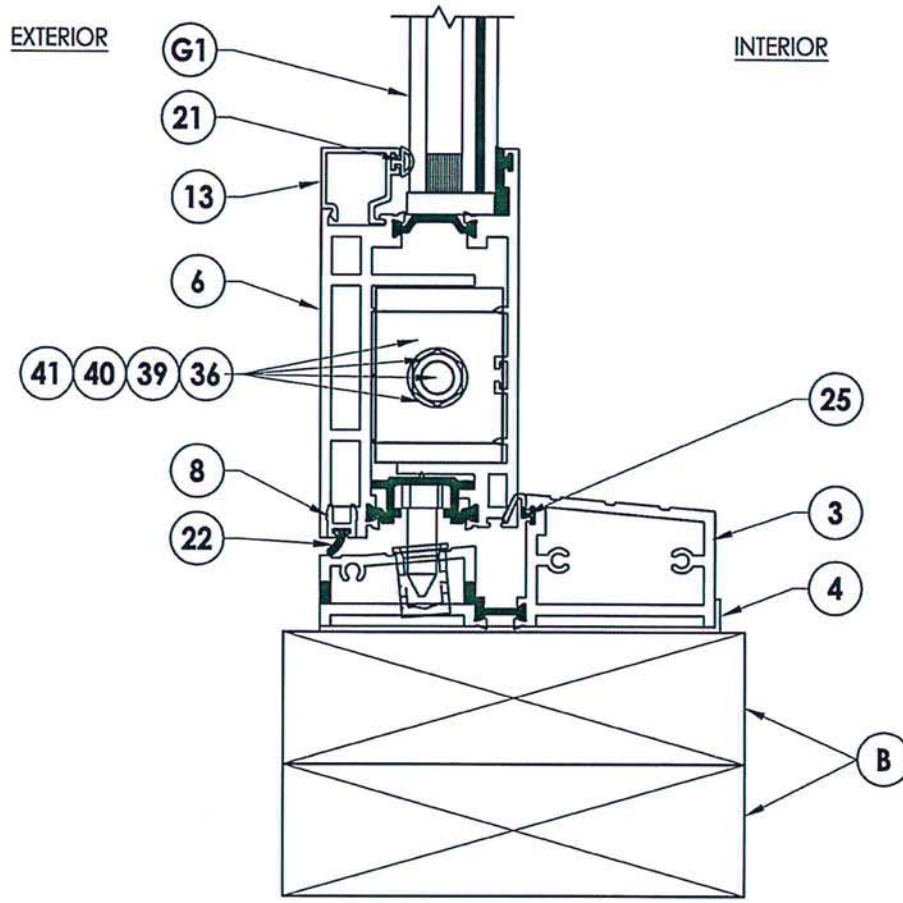
EXTERIOR

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. #12B, 12C, 12D		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
NO.	DATE	REVISIONS	BY
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.:			
L-7344			
SHEET 5 OF 9			



1  
6 **VERTICAL CROSS SECTION**

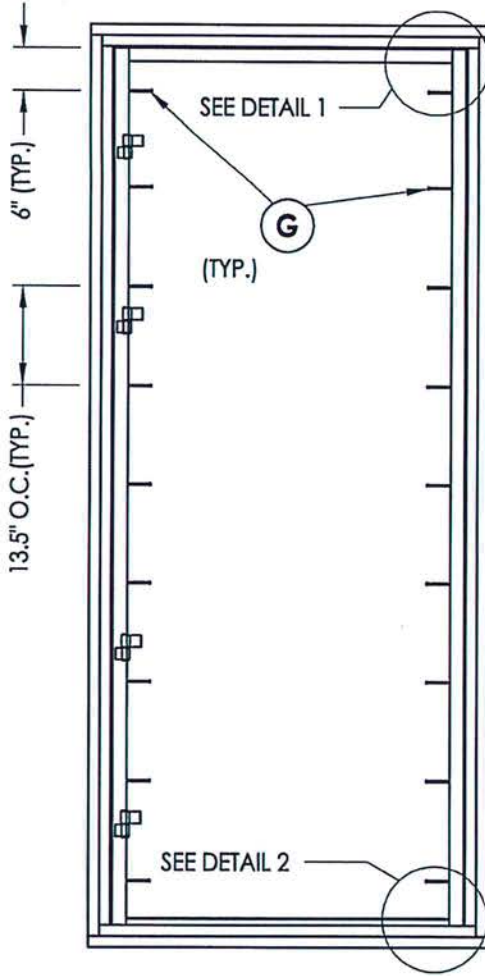
Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01991343  
 Date 6/26/15 Verified by *[Signature]*

PRODUCT: FLEETWOOD SPEC. #12B, 12C, 12D		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
NO.	DATE	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 6 OF 9			

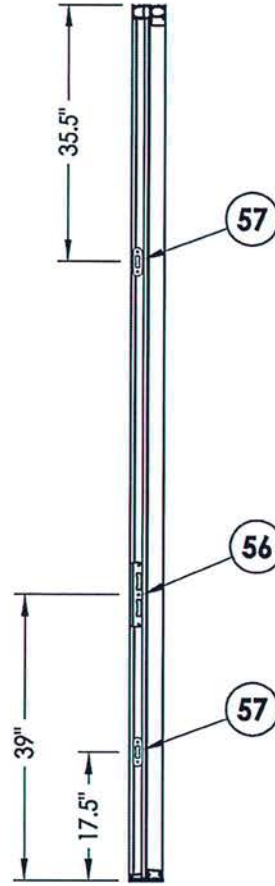
**HINGE DETAIL**



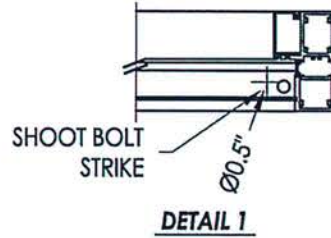
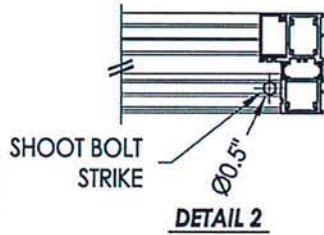
**FRAME ANCHORING**  
(2X buck installation)



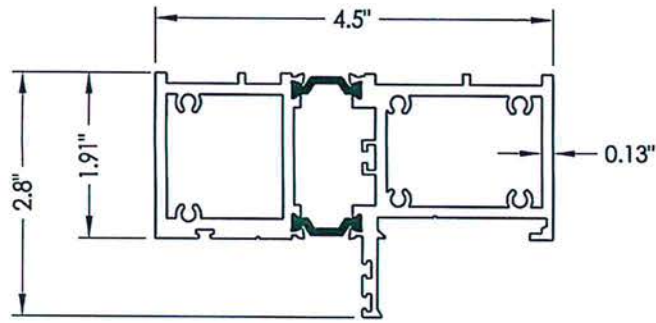
**STRIKE PLATE DETAIL**



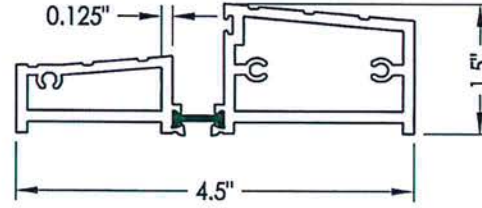
Testing Evaluation Laboratories Inc.  
Specimen Complies with Drawing  
Deviations Noted - TEL# 0199.1343  
Date 6/26/15 Verified by *[Signature]*



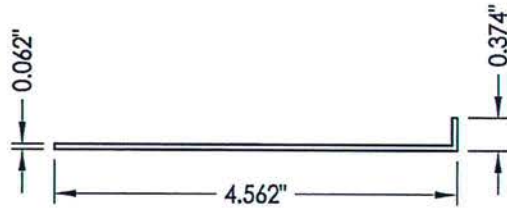
PRODUCT:		FLEETWOOD SPEC. #12B, 12C, 12D	
PART OR ASSEMBLY:		TEST ELEVATIONS	
NO.	DATE	REVISIONS	BY
 RW BUILDING CONSULTANTS, INC. 813.659.9197			
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7344			
SHEET 7 OF 9			



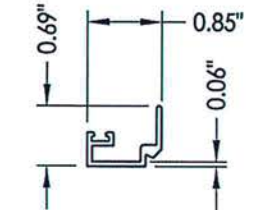
**1** BLOCK HEAD & JAMBS



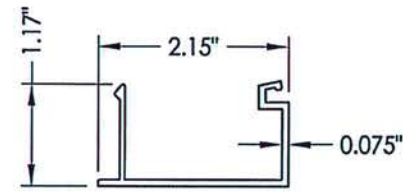
**3** OUT-SWING SILL



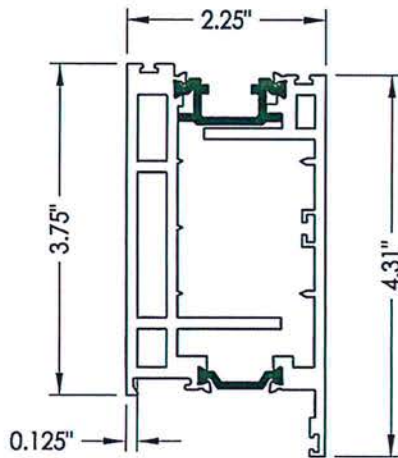
**4** SILL PAN



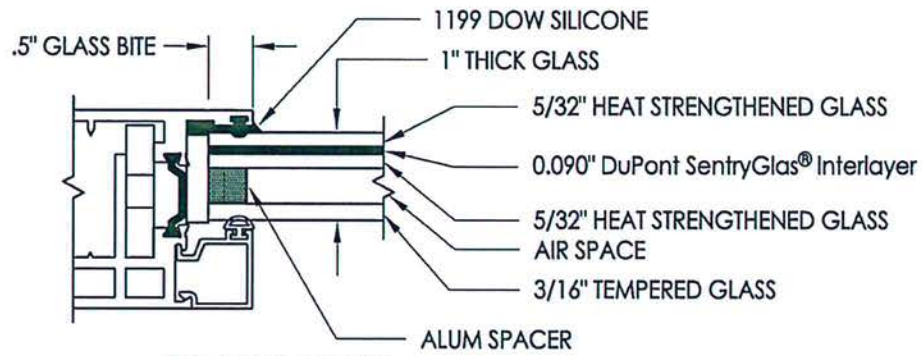
**13** 1-1/2" GLASS STOP



**2** FRAME SNAP-IN



**6** SASH




**G1** GLAZING DETAIL

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

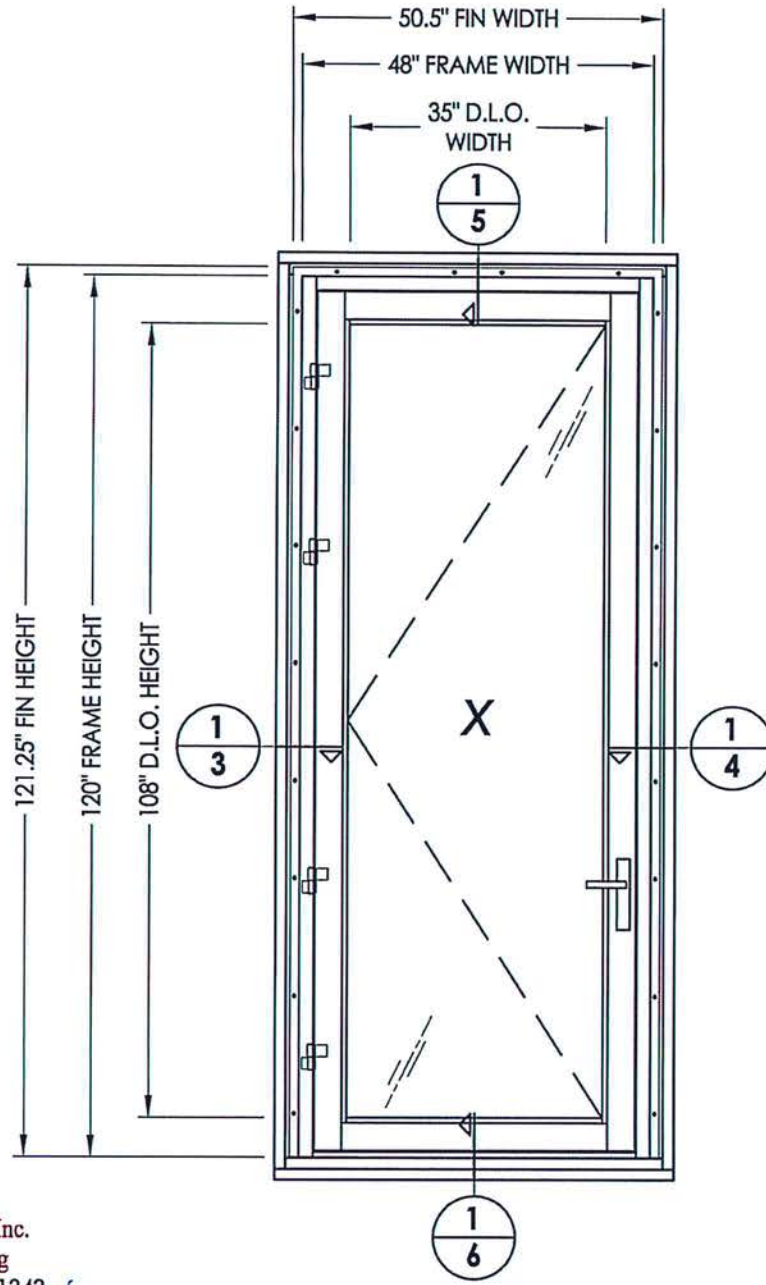
PRODUCT:		FLEETWOOD	
		SPEC. #12B, 12C, 12D	
PART OR ASSEMBLY:		COMPONENTS AND GLAZING DETAIL	
NO.	DATE	BY	REVISIONS
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7344			
SHEET 8 OF 9			

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





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

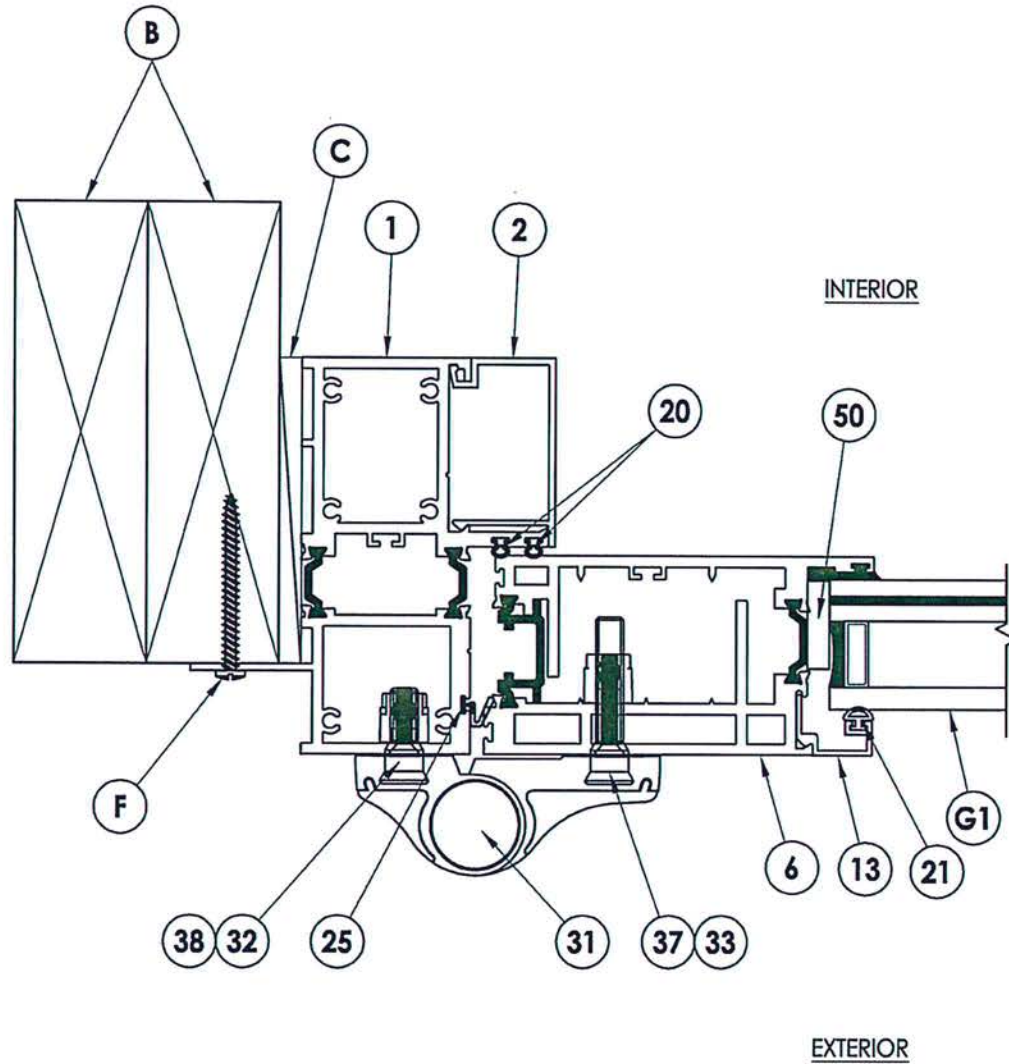
Note: Factory Crimped Stile



DATE: 3/17/15  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: L-7354  
 SHEET 2 OF 9

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

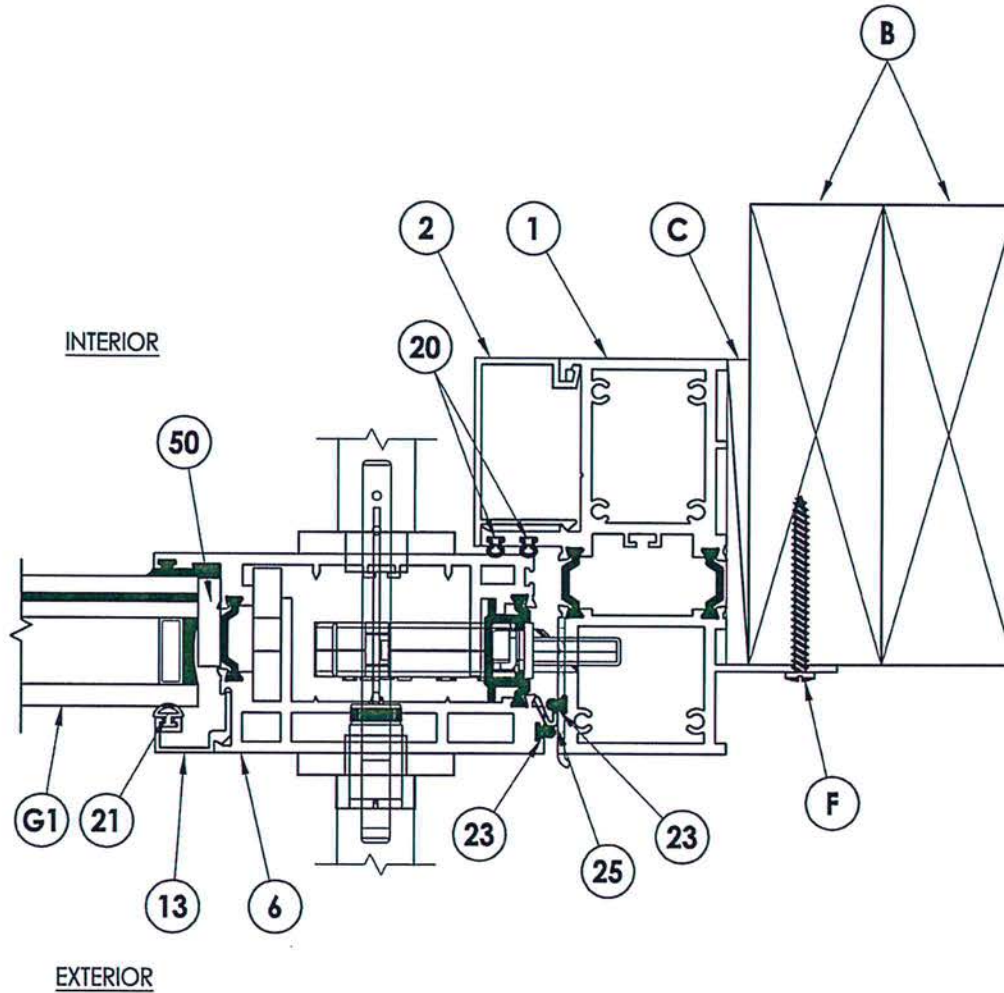
NO.	DATE	REVISIONS	BY



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

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

PRODUCT: FLEETWOOD SPEC. #15		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
NO.	DATE	REVISIONS	BY
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7354			
SHEET <u>3</u> OF <u>9</u>			



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

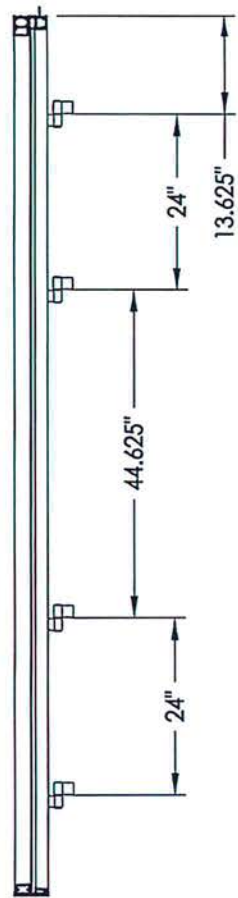
Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01991343  
 Date 6/26/15 Verified by *[Signature]*

PRODUCT: FLEETWOOD SPEC. #15		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
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-7354			
SHEET 4 OF 9			

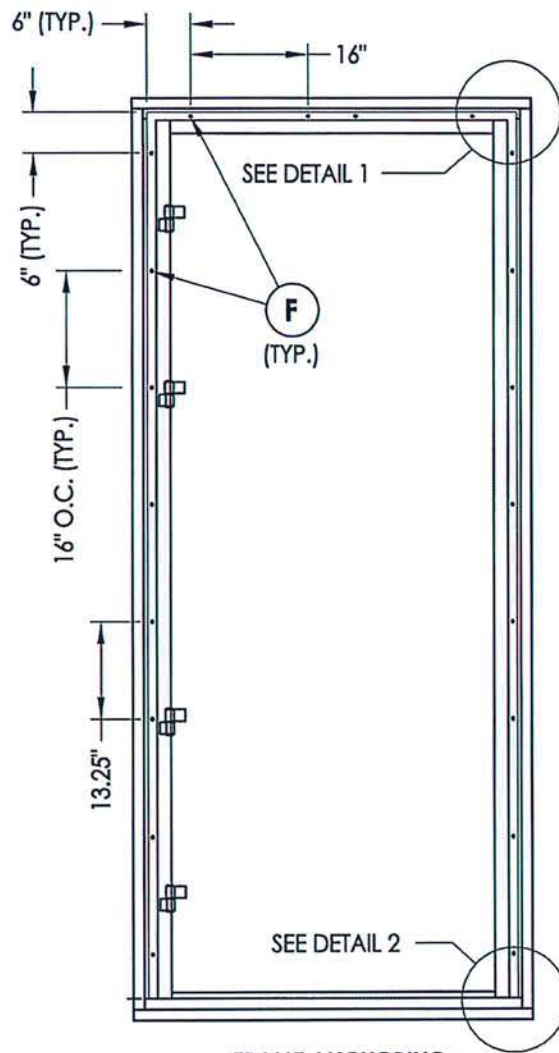




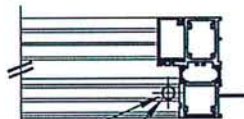
**HINGE DETAIL**



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

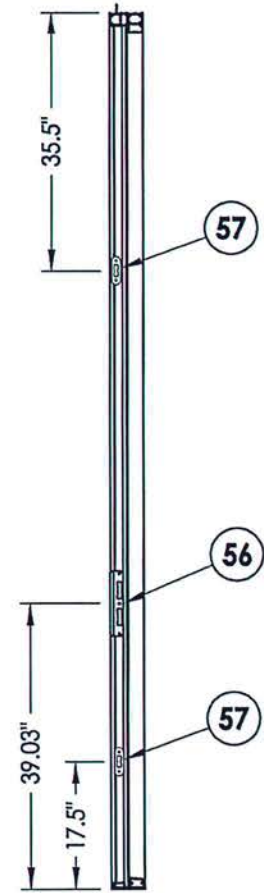


**FRAME ANCHORING**  
(2X buck installation)

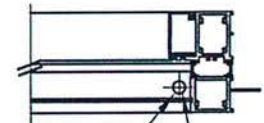


SHOOT BOLT STRIKE

**DETAIL 2**



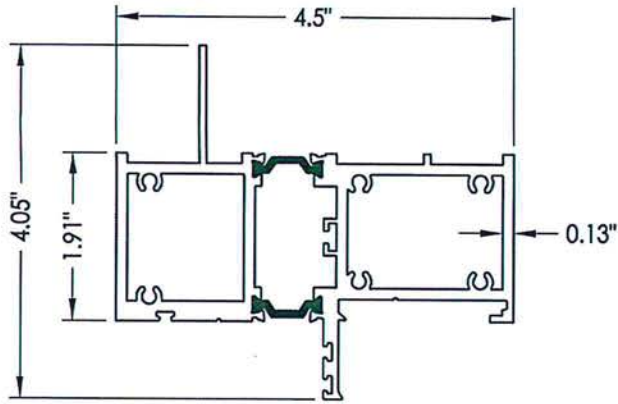
**STRIKE PLATE DETAIL**



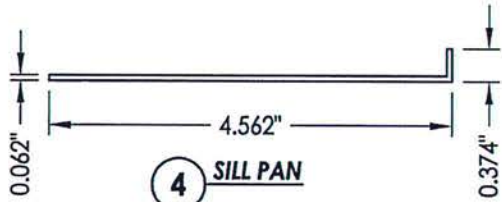
SHOOT BOLT STRIKE

**DETAIL 1**

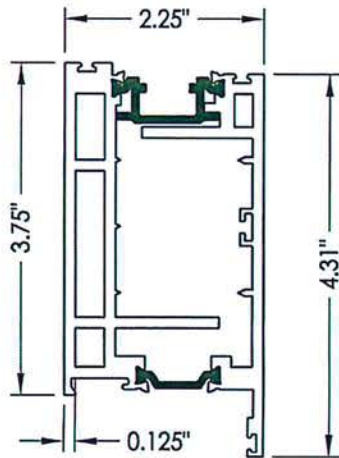
PRODUCT: FLEETWOOD SPEC. #15		PART OR ASSEMBLY: TEST ELEVATIONS	
NO.	DATE	REVISIONS	BY
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7354			
SHEET 7 OF 9			



**1** BLOCK HEAD & JAMBS

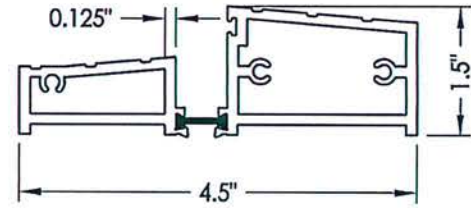


**4** SILL PAN

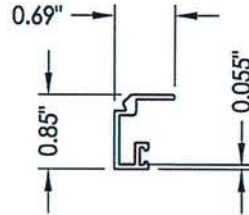


**6** SASH

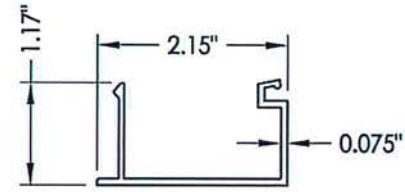
Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01991343/  
 Date 6/26/15 Verified by *[Signature]*



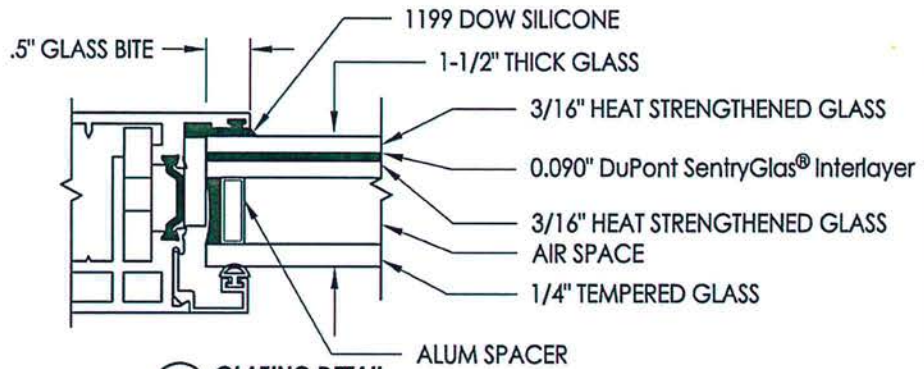
**3** OUT-SWING SILL



**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
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7354			
SHEET 8 OF 9			

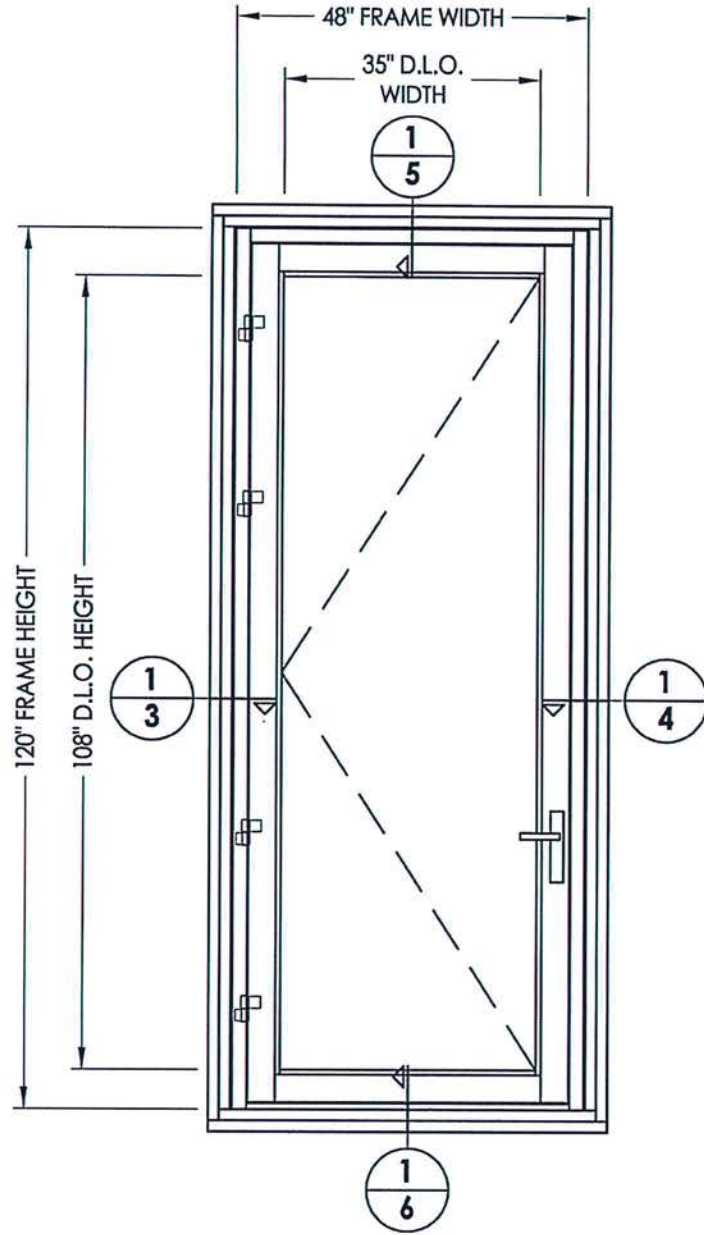
BILL OF MATERIALS			
ITEM #	DESCRIPTION	PART#	MATERIAL
B	2X BUCK SG >= 0.55		WOOD
C	1/4" MAX. SHIM SPACE		-
F	#10 x 2" PPH WOOD SCREW		STEEL
1	FRAME	3911	6063-T6 ALUM
2	FRAME SNAP-IN	3912	6063-T6 ALUM
3	OUT-SWING SILL	3202	6063-T6 ALUM
4	SILL PAN	-	-
6	SASH	3902	6063-T6 ALUM
8	ATLANTIC SEAL CLIP	3916	6063-T6 ALUM
13	1-1/2" GLASS STOP	3908	6063-T6 ALUM
20	BULB VINYL - MINI (EPDM 70 Durometer)	25199	TREMCO, # TX20801E
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. #15	
PART OR ASSEMBLY:		BILL OF MATERIALS	
NO.	DATE	BY	REVISIONS
			
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7354			
SHEET 9 OF 9			

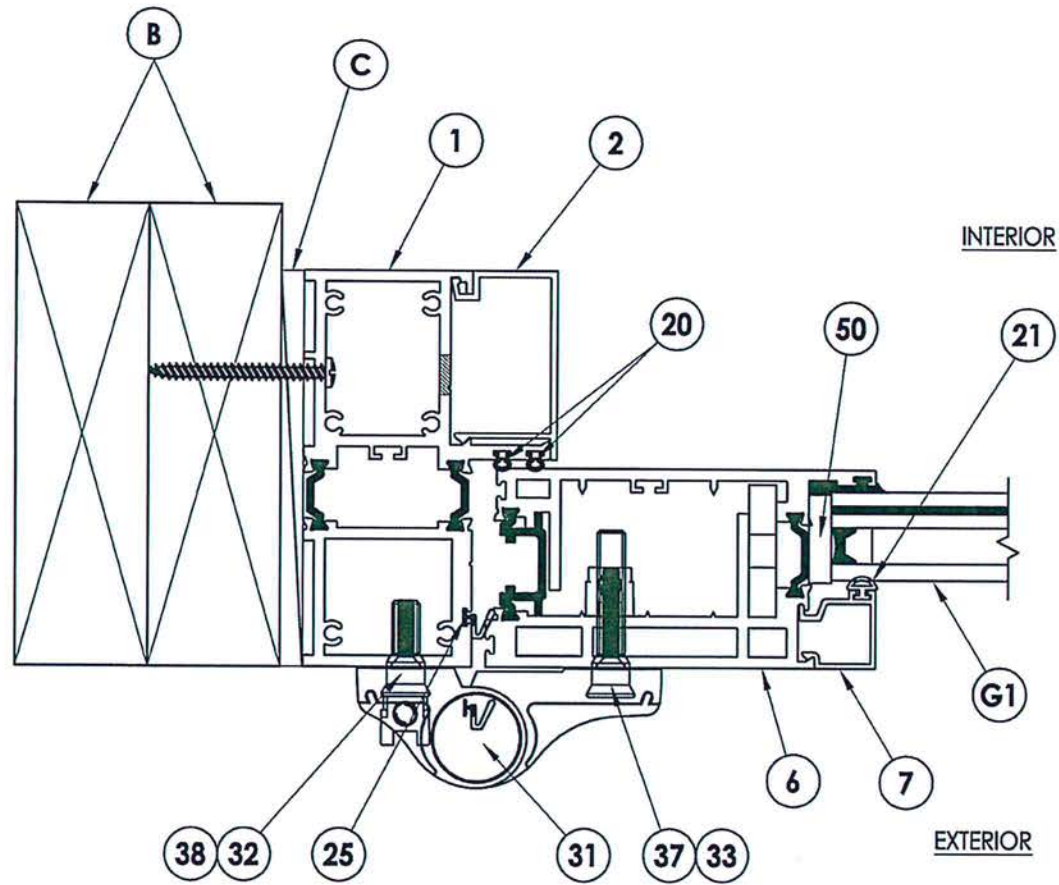


R:\Clients\Fleetwood PERMANENT Drawings\Lab Dwgs\L-7352..dwg



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

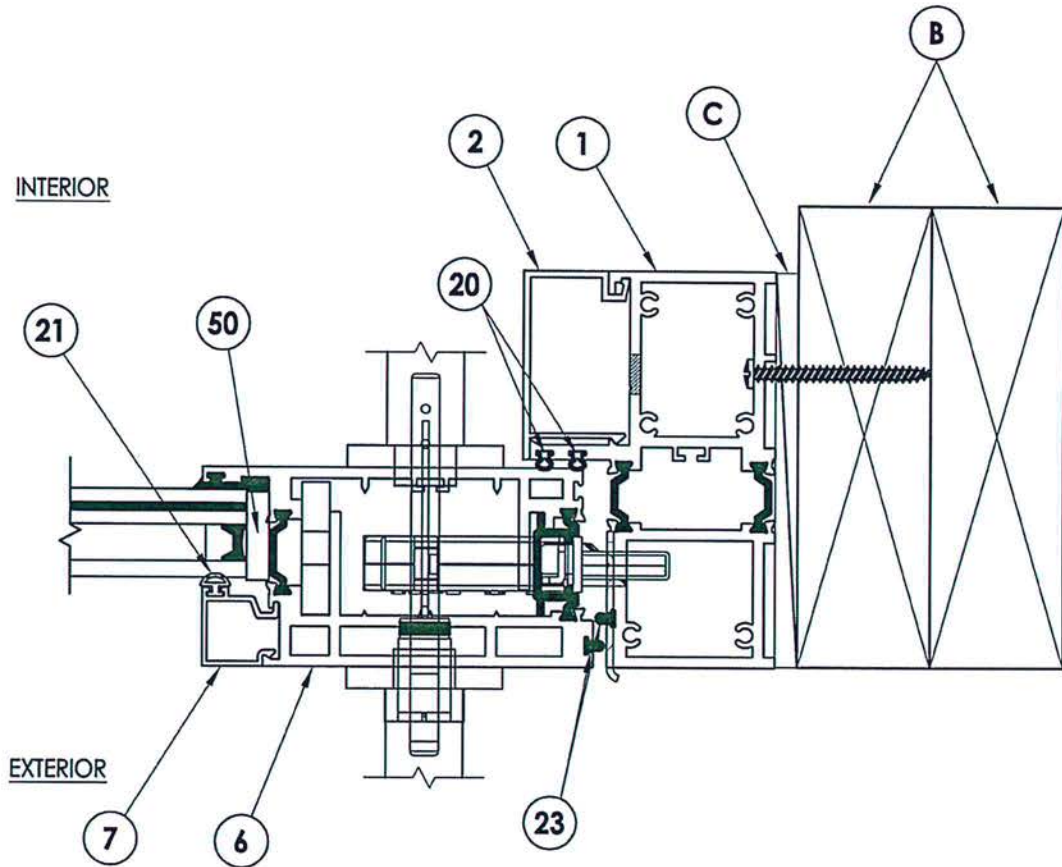
PRODUCT:		FLEETWOOD SPEC. #14	
PART OR ASSEMBLY:		TEST ELEVATIONS	
NO.	DATE	BY	REVISIONS
			
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7352			
SHEET <u>2</u> OF <u>9</u>			



**1**  
**3** 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	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-7352			
SHEET 3 OF 9			



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

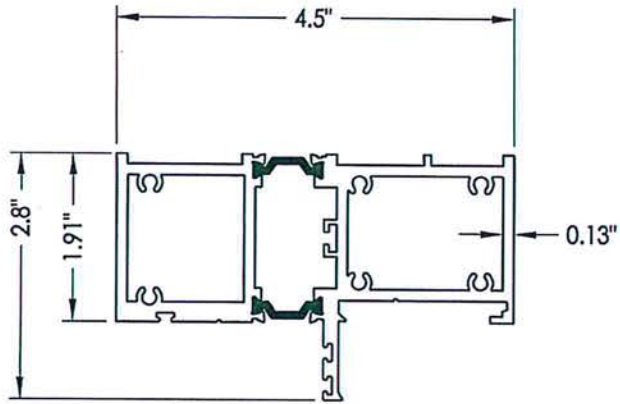
Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01991343  
 Date 6/26/15 Verified by [Signature]

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



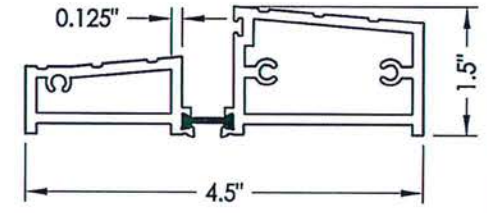




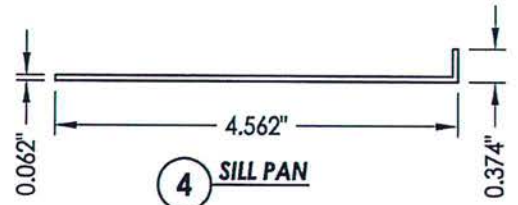


**1** BLOCK HEAD & JAMBS

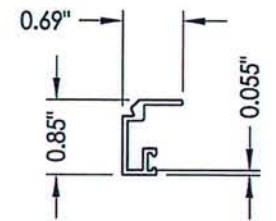
Testing Evaluation Laboratories Inc.  
 Specimen Complies with Drawing  
 Deviations Noted - TEL# 01991343  
 Date 6/26/15 Verified by *[Signature]*



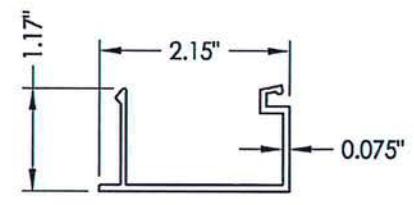
**3** OUT-SWING SILL



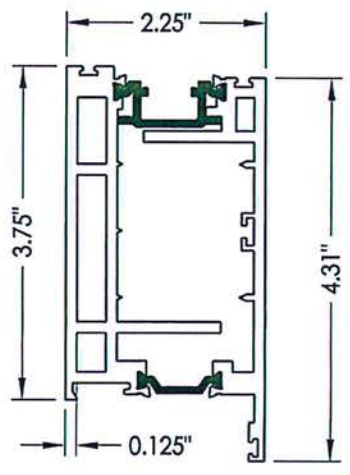
**4** SILL PAN



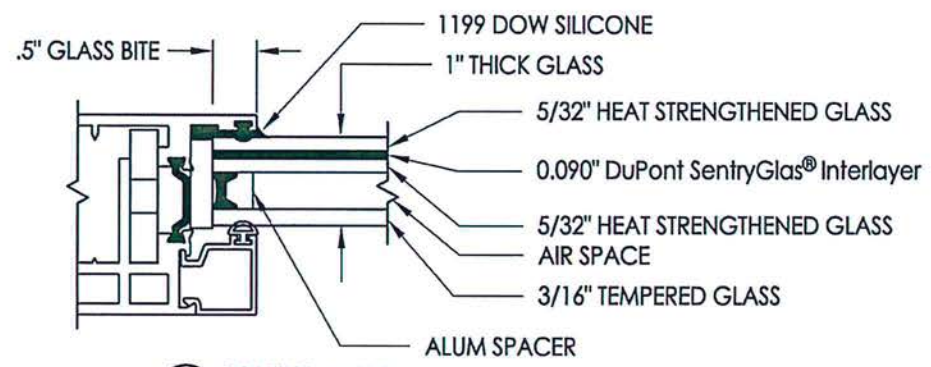
**13** 1.5" GLASS STOP



**2** FRAME SNAP-IN



**6** SASH



**G1** GLAZING DETAIL

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

