



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 01991347
Test Dates: March 18, 2015
through June 23, 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 Door with Sidelite and Transom – O/OX
Overall Size: 108.00" x 168.00" – All Specimens – (O/OX)
Daylight Opening: 36.00" x 109.00" – Door Panel— All Specimens
55.25 " x 115.25" – Sidelite – All Specimens
102.25" x 43.25" – Transom – All Specimens
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-7346 and L-7351.

STRUCTURAL TESTS (TAS 202)**Specimen 9 – 108.00" x 168.00" – Outswing Aluminum Side Hinged Door with Sidelite and Transom – (O/OX)****Design Pressure Positive 50.0 Negative 50.0**

Air Infiltration (ASTM E283-04)	Pressure	SCFM/Ft ²	Result
	1.57 PSF	0.136	Pass
Air Exfiltration (ASTM E283-04)	Pressure	SCFM/Ft ²	Result
	1.57 PSF	0.126	Pass

Structural Loads (ASTM E330-02)

Range	Time (sec)	Load (psf)	Location	Deflection
Half Test Positive	30	25.00		
Design Positive	30	50.00	1	1.426"
			2	0.695"
Half Test Negative	30	25.00		
Design Negative	30	50.00	1	1.429"
			2	0.732"

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	37.50				
Test Positive	30	75.00	1	2.200"	0.212"	0.412"
			2	0.945"	0.046"	0.476"
Half Proof Negative	10	37.50				
Test Negative	30	75.00	1	1.980"	0.217"	0.412"
			2	0.630"	0.058"	0.476"

Deflection Locations:**Location 1 – Center of Horizontal Mullion, Location 2 – Center of Vertical Mullion****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 10 – 108.00" x 168.00" – Outswing Aluminum Side Hinged Door with Sidelite and Transom – (O/OX)

Design Pressure Positive 50.0 Negative 55.0

Air Infiltration (ASTM E283-04)	Pressure	SCFM/Ft ²	Result
	1.57 PSF	0.060	Pass
Air Exfiltration (ASTM E283-04)	Pressure	SCFM/Ft ²	Result
	1.57 PSF	0.169	Pass
Air Infiltration (ASTM E283-04)	Pressure	SCFM/Ft ²	Result
	6.24 PSF	0.035	Pass
Air Exfiltration (ASTM E283-04)	Pressure	SCFM/Ft ²	Result
	6.24 PSF	0.284	Pass

Structural Loads (ASTM E330-02)

Range	Time (sec)	Load (psf)	Location	Deflection
Half Test Positive	30	25.00		
Design Positive	30	50.00	1	0.870"
			2	0.630"
Half Test Negative	30	27.50		
Design Negative	30	55.00	1	1.491"
			2	0.688"

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	37.50				
Test Positive	30	75.00	1	2.057"	0.334"	0.412"
			2	0.909"	0.085"	0.476"
Half Proof Negative	10	37.50				
Test Negative	30	75.00	1	2.655"	0.403"	0.412"
			2	1.365"	0.220"	0.476"

Deflection Locations:

Location 1 – Center of Horizontal Mullion, Location 2 – Center of Vertical Mullion

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 9a – 108.00" x 168.00" – Outswing Aluminum Side Hinged Door with Sidelite and Transom – (O/OX)

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'-1/4"	17'0"

Impact Location	Results	X - Measurement	Y - Measurement	Speed
1	Pass	83.50"	60.00"	50.0 fps
2	Pass	71.50"	11.50"	50.1 fps
3	Pass	30.50"	61.00"	50.0 fps
4	Pass	9.00"	9.00"	49.9 fps
5	Pass	60.00"	59.50"	50.0 fps
6	Pass	54.00"	120.00"	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 +50.0 psf / - 55.0 psf

Positive % of Test Load	Positive Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
20% to 50%	10.0 to 25.0	3500	1.90
0% to 60%	0.0 to 30.0	300	2.89
50% to 80%	25.0 to 40.0	600	1.44
30% to 100%*	15.0 to 50.0	100	1.93

Negative % of Test Load	Negative Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
30% to 100%*	16.5 to 55.0	50	2.70
50% to 80%	27.5 to 44.0	1050	1.41
0% to 60%	0.0 to 30.0	50	2.10
20% to 50%	11.0 to 27.5	3350	1.56
*Active Panel deflected 2.13" 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 10a – 108.00" x 168.00" – Outswing Aluminum Side Hinged Door with Sidelite and Transom – (O/OX)

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'-1/4"	17'0"

Impact Location	Results	X - Measurement	Y - Measurement	Speed
1	Pass	31.00"	61.00"	50.1 fps
2	Pass	52.00"	9.00"	50.0 fps
3	Pass	60.00"	60.00"	50.0 fps
4	Pass	83.50"	60.00"	50.1 fps
5	Pass	96.50"	11.50"	50.1 fps
6	Pass	54.25"	119.75"	49.9 fps
Orientation of Missile at Impact was within +/-5° of horizontal. None of the impacts penetrated the specimens. "X" measurement is from the left edge of test specimen. "Y" measurement is from the bottom edge of test specimen.				

TAS 201-94 AND TAS 203-94– Fatigue Load Cycling Design Pressure +50.0 psf / - 55.0 psf

Positive % of Test Load	Positive Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
20% to 50%	10.0 to 25.0	3500	1.80
0% to 60%	0.0 to 30.0	300	2.89
50% to 80%	25.0 to 40.0	600	1.44
30% to 100%*	15.0 to 50.0	100	1.93

Negative % of Test Load	Negative Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
30% to 100%*	16.5 to 55.0	50	2.70
50% to 80%	27.5 to 44.0	1050	1.41
0% to 60%	0.0 to 30.0	50	2.10
20% to 50%	11.0 to 27.5	3350	1.56
*Active Panel deflected 2.75" 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 10b – 108.00" x 168.00" – Outswing Aluminum Side Hinged Door with Sidelite and Transom – (O/OX)

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'-1/4"	17'0"

Impact Location	Results	X - Measurement	Y - Measurement	Speed
1	Pass	9.00"	112.00"	50.0 fps
2	Pass	31.00"	60.25"	49.9 fps
3	Pass	83.25"	60.12"	50.0 fps
4	Pass	95.25 "	11.25"	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 +50.0 psf / - 55.0 psf

Positive % of Test Load	Positive Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
20% to 50%	10.0 to 25.0	3500	1.91
0% to 60%	0.0 to 30.0	300	2.81
50% to 80%	25.0 to 40.0	600	1.52
30% to 100%*	15.0 to 50.0	100	2.01

Negative % of Test Load	Negative Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
30% to 100%*	16.5 to 55.0	50	2.12
50% to 80%	27.5 to 44.0	1050	1.52
0% to 60%	0.0 to 30.0	50	2.17
20% to 50%	11.0 to 27.5	3350	1.69
*Active Panel deflected 2.75" 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

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.

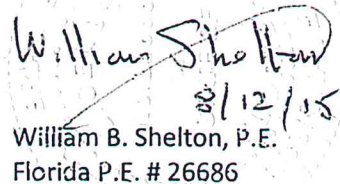
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Testing Evaluation Laboratories, Inc.


Vivian K. Wright,
President


William B. Shelton, P.E.
Florida P.E. # 26686

Revision Log

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

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12	Components and glazing details
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Testing Evaluation Laboratories Inc.
 Specimen Complies with Drawing
 Deviations Noted - TEL# 01991347
 Date 6/26/2015 Verified by ju

PRODUCT:		FLEETWOOD SPEC. #10, 10A, 10B, 10C	
PART OR ASSEMBLY:		TABLE OF CONTENTS	
NO.		DATE	BY
REVISIONS			
			
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7351			
SHEET 1 OF 14			



SHEET 2 OF 14

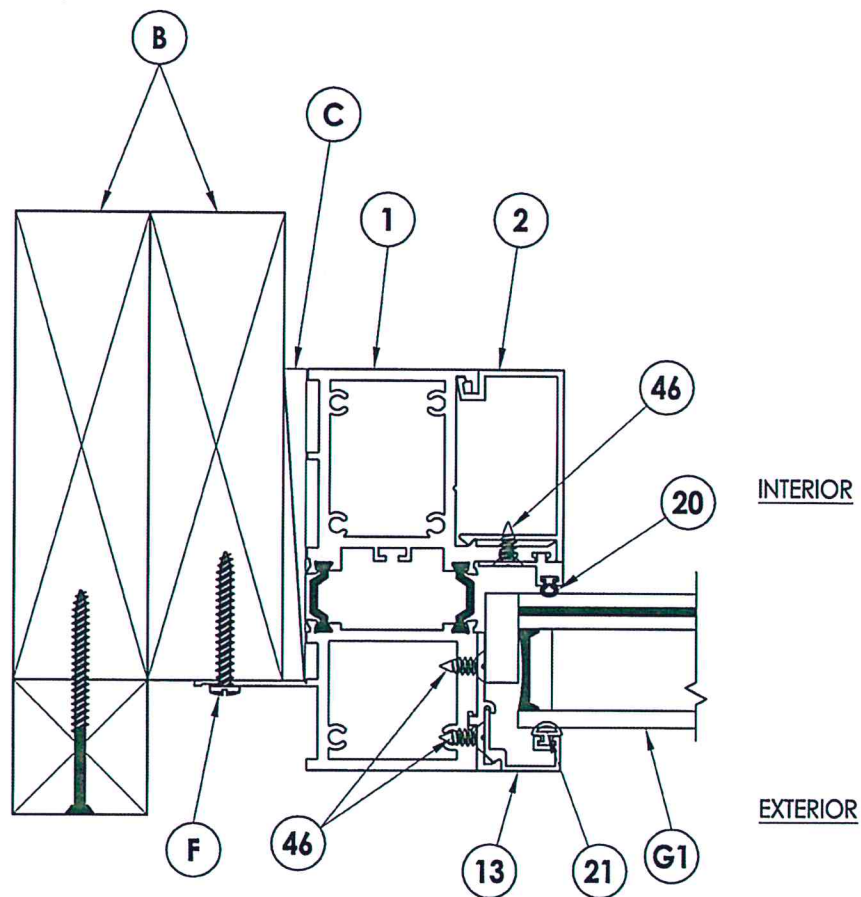
TEST ELEVATIONS

REVISIONS

BY

DATE _____

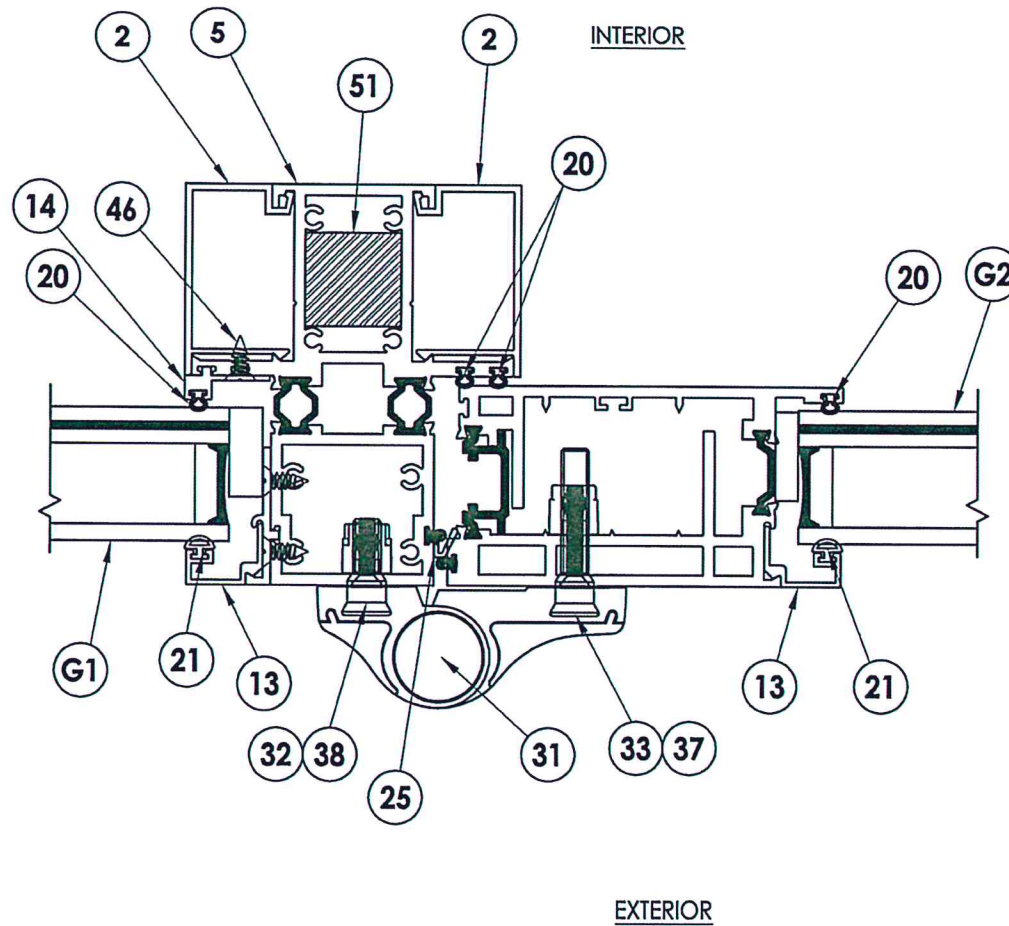
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1
3 **HORIZONTAL CROSS SECTION**

Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991347
Date 6/26/2015 Verified by gw

PRODUCT:		FLEETWOOD SPEC. #10, 10A, 10B, 10C	
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-7351		SHEET 3 OF 14	



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4 **HORIZONTAL CROSS SECTION**

Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991347
Date 6/26/2015 Verified by gw

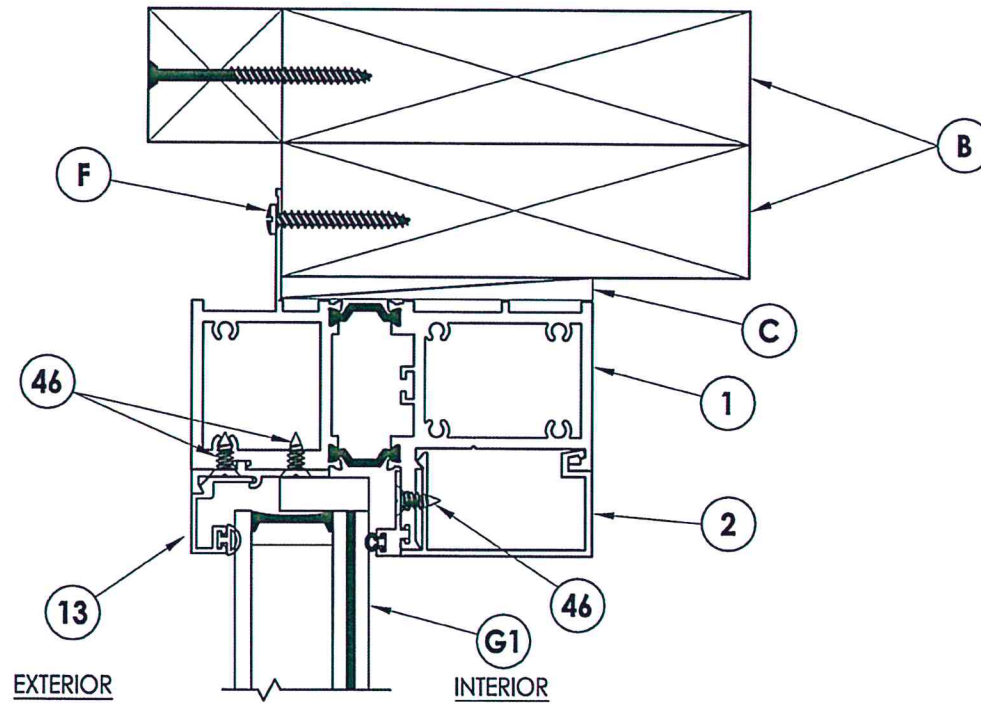
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PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
NO.	DATE	REVISIONS	BY
RW BUILDING CONSULTANTS, INC. 813.659.9197			
DATE: <u>3/17/15</u>			
SCALE: <u>N.T.S.</u>			
DWG. BY: <u>JK</u>			
CHK. BY: <u>LFS</u>			
DRAWING NO.: <u>L-7351</u>			
SHEET <u>4</u> OF <u>14</u>			

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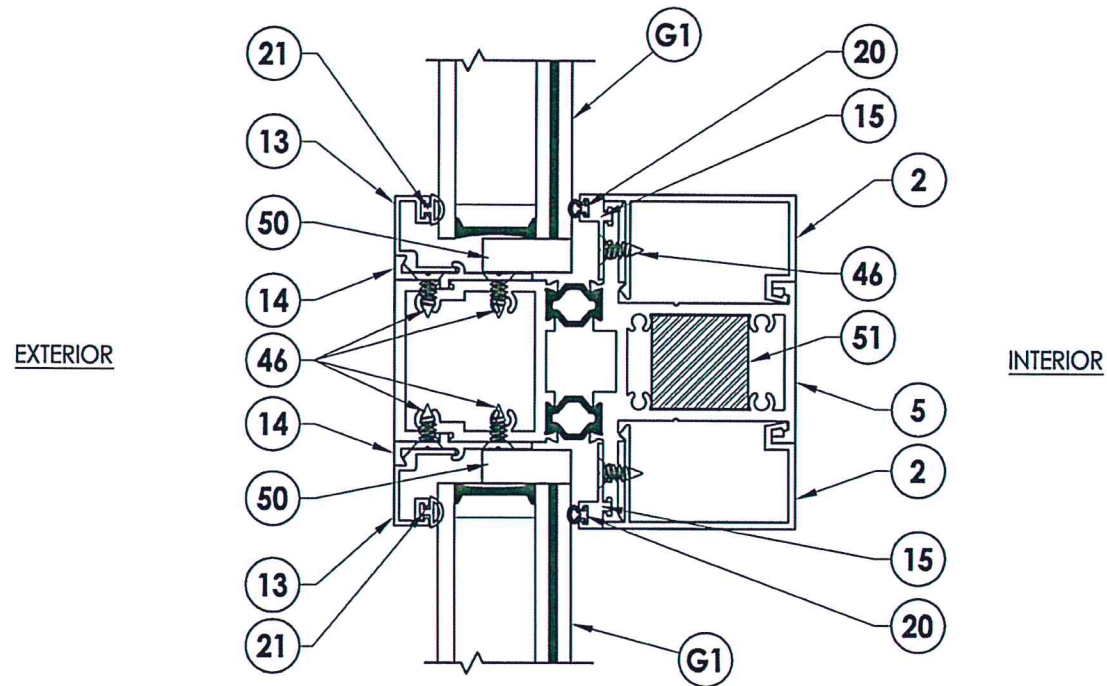
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Testing Evaluation Laboratories Inc.
 Specimen Complies with Drawing
 Deviations Noted - TEL# 01991347
 Date 6/26/2015 Verified by gwo



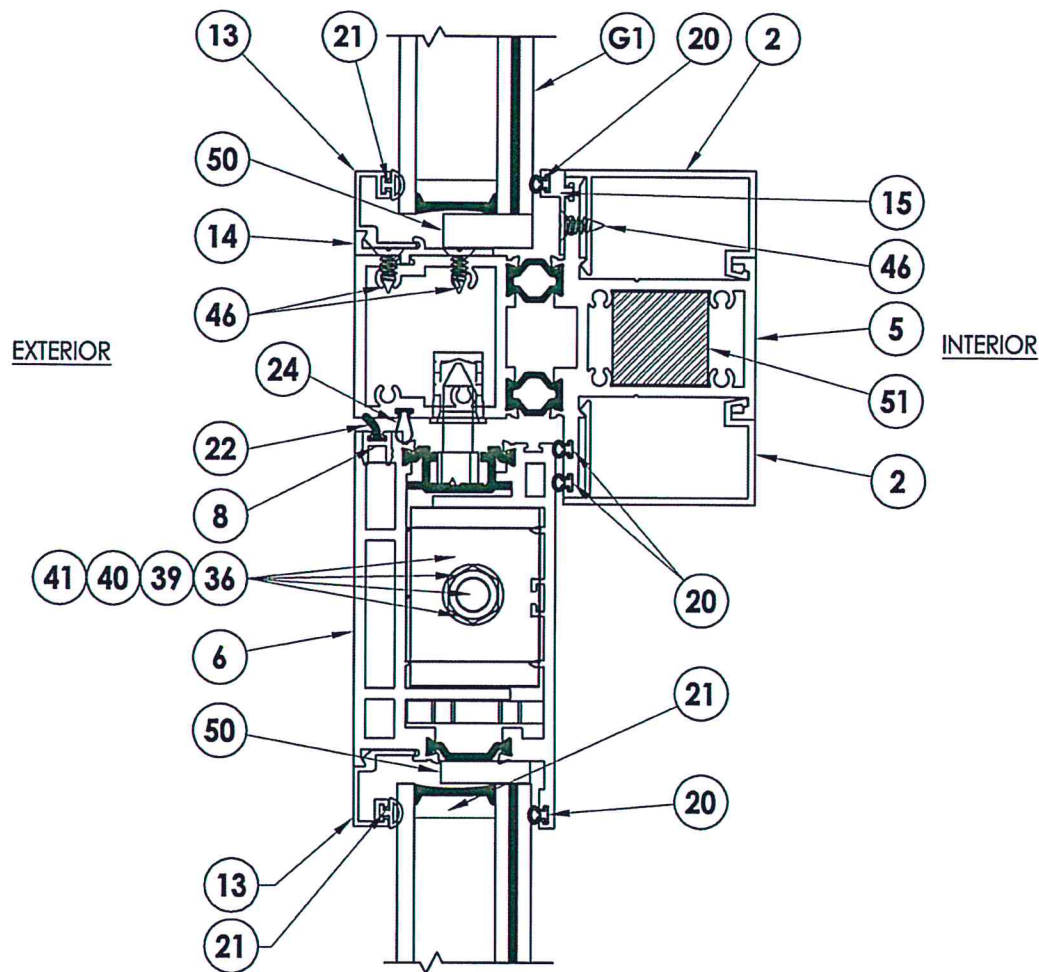
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6 **VERTICAL CROSS SECTION**

PRODUCT:		FLEETWOOD SPEC. #10, 10A, 10B, 10C	
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-7351			
SHEET 6 OF 14			



1 VERTICAL CROSS SECTION
7

PRODUCT:						FLEETWOOD SPEC. #10, 10A, 10B, 10C					
PART OR ASSEMBLY:						VERTICAL CROSS SECTIONS					
						NO.		DATE		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-7351											
SHEET 7 OF 14											

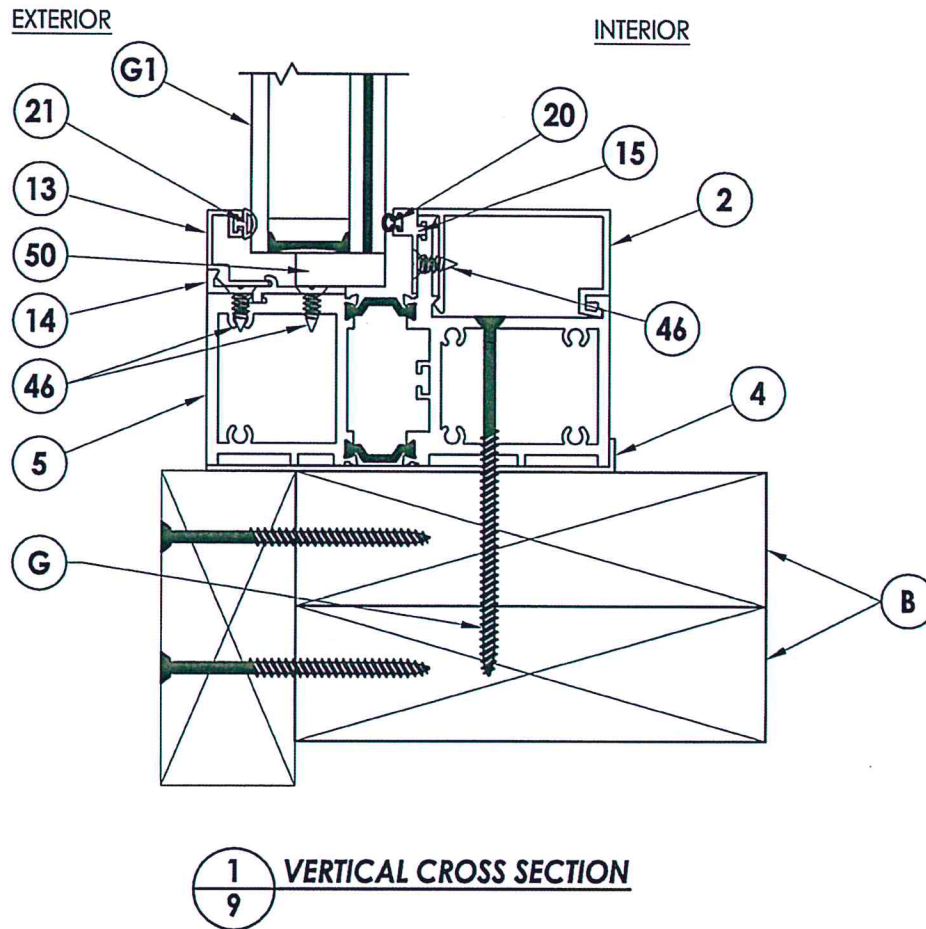


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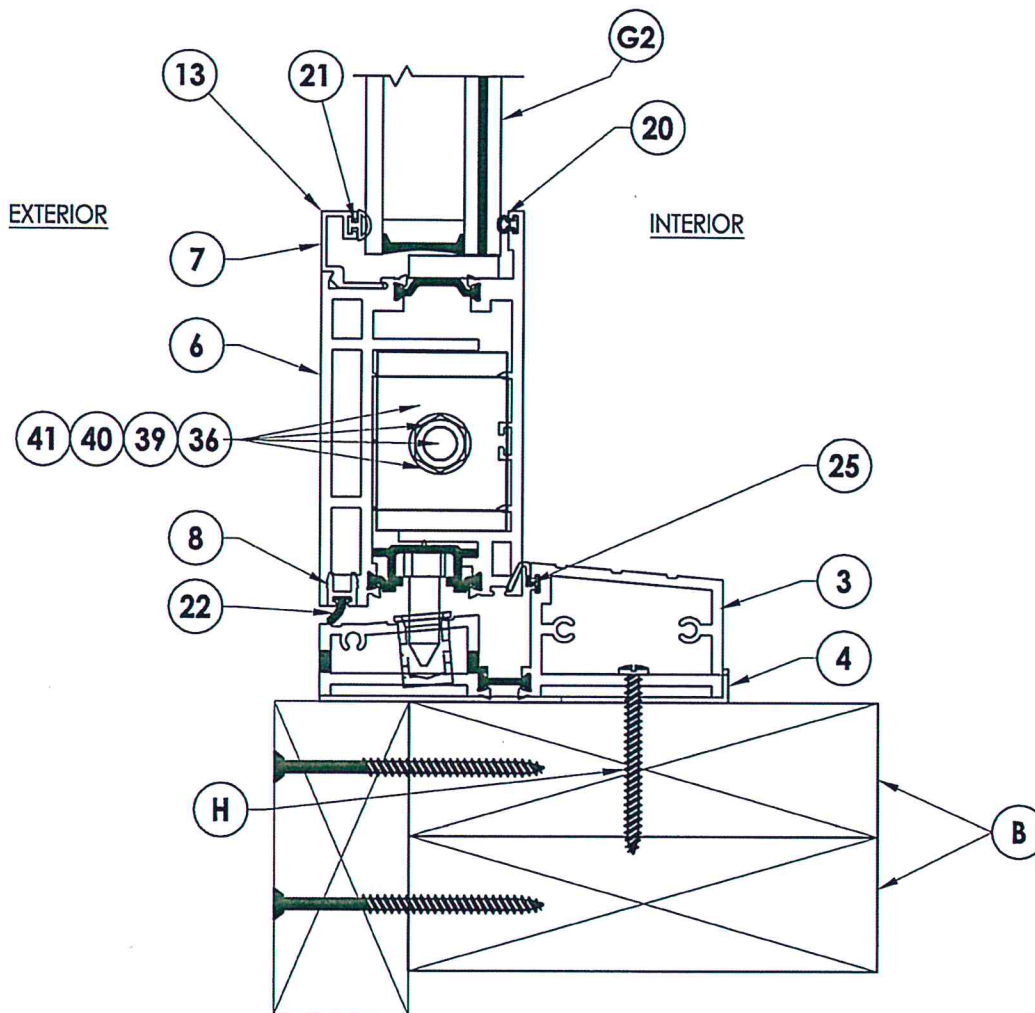
Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991347
Date 6/26/2015 Verified by gw

PRODUCT:		FLEETWOOD SPEC. #10, 10A, 10B, 10C	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
NO.	DATE	REVISIONS	BY
RW BUILDING CONSULTANTS, INC. 813.659.9197			
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-7351</u>			
SHEET <u>8</u> OF <u>14</u>			

Testing Evaluation Laboratories Inc.
 Specimen Complies with Drawing
 Deviations Noted - TEL# 01991347
 Date 6/26/2015 Verified by JD



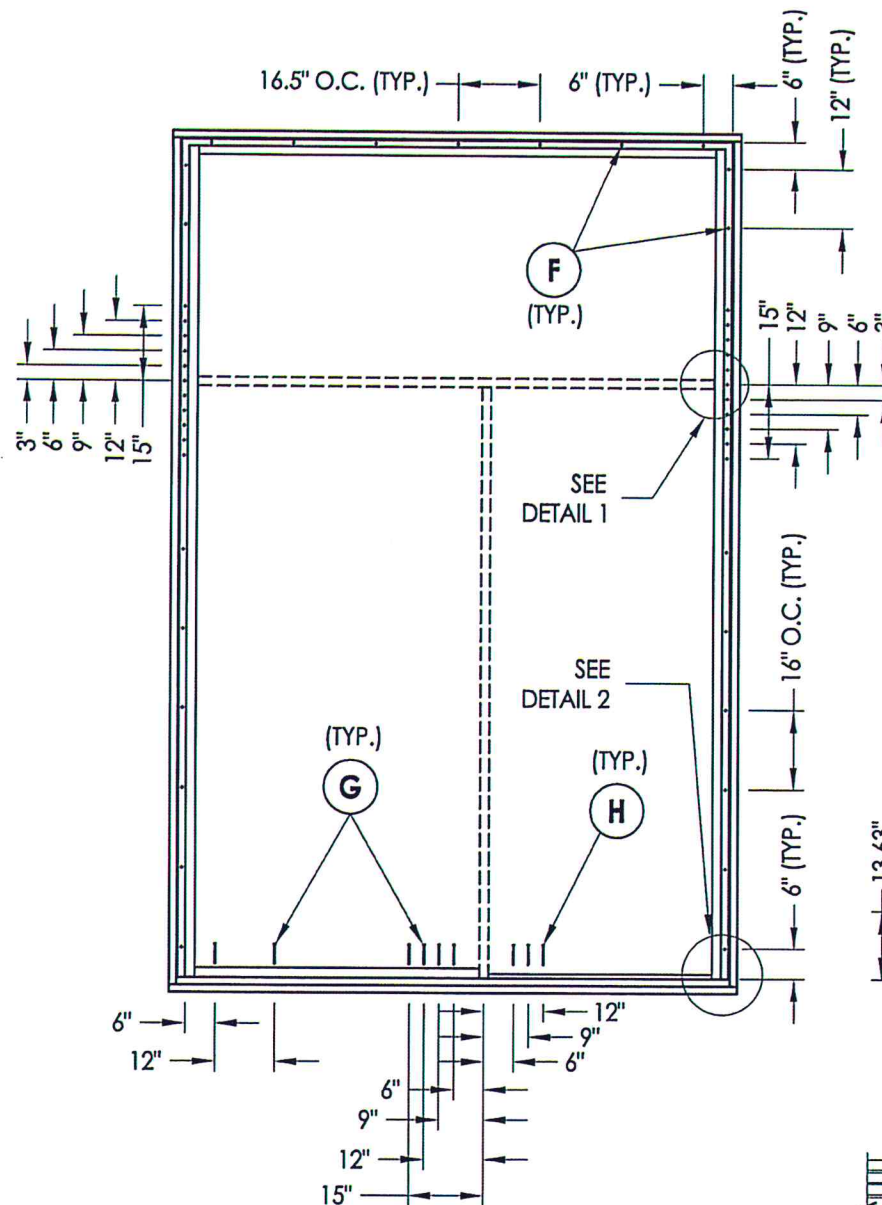
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PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
NO.	DATE	REVISIONS	BY
			
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7351			
SHEET 9 OF 14			



Testing Evaluation Laboratories Inc.
 Specimen Complies with Drawing
 Deviations Noted - TEL# 01991347
 Date 6/26/2015 Verified by *gw*

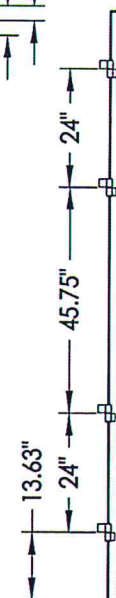
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10 **VERTICAL CROSS SECTION**

<u>PRODUCT:</u>		FLEETWOOD SPEC. #10, 10A, 10B, 10C		<u>PART OR ASSEMBLY:</u>		VERTICAL CROSS SECTIONS	

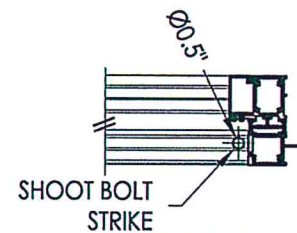


Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991347
Date 6/26/2015 Verified by [Signature]

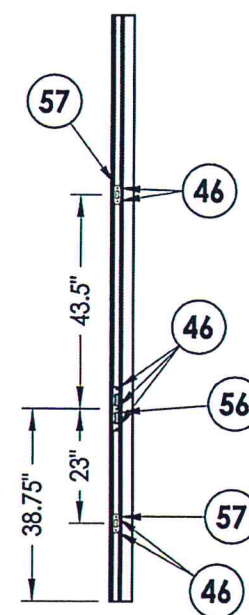
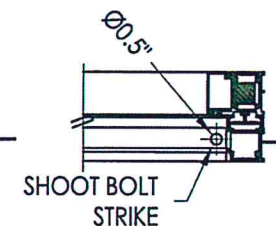
FRAME ANCHORING
(2X buck installation)



HINGE DETAIL

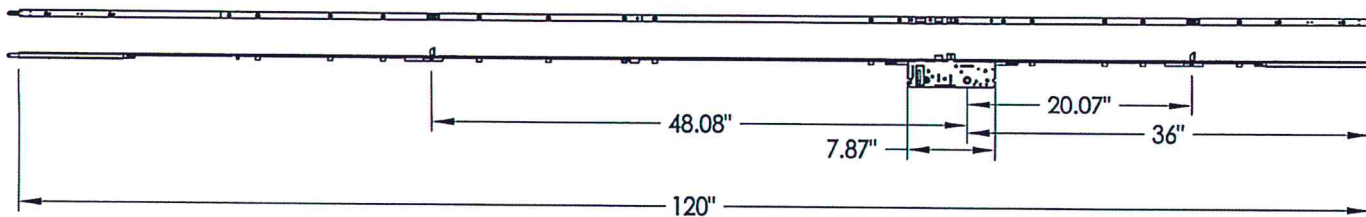


DETAIL 2

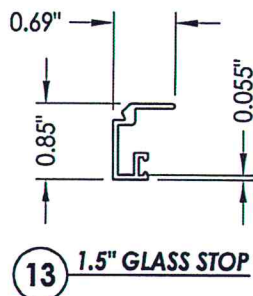
**STRIKE DETAIL**

DETAIL 1

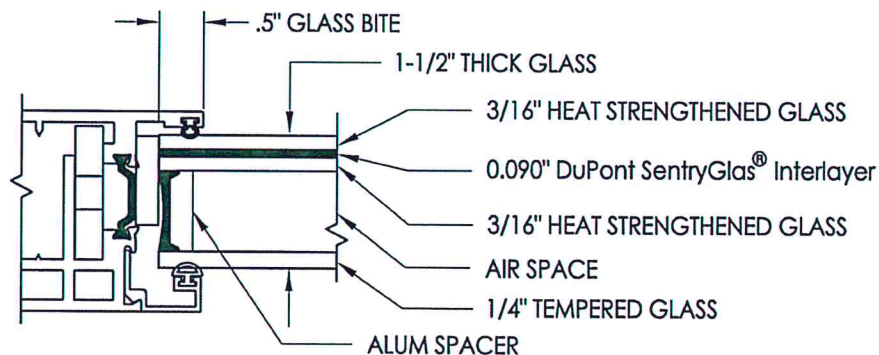
		BUILDING CONSULTANTS, INC. 813.659.9197	
DATE:	3/17/15		
SCALE:	N.T.S.		
DWG. BY:	JK		
CHK. BY:	LFS		
DRAWING NO.:	L-7351		
SHEET	11	OF	14



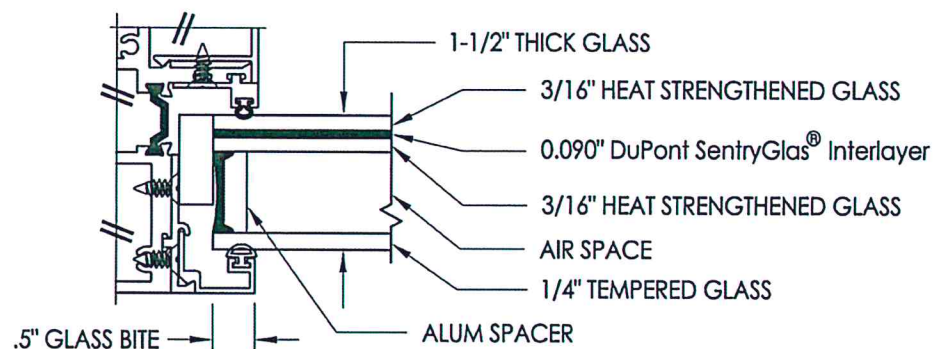
30 MULTI-POINT LOCK
TRUTH



13 1.5" GLASS STOP



G2 GLAZING DETAIL

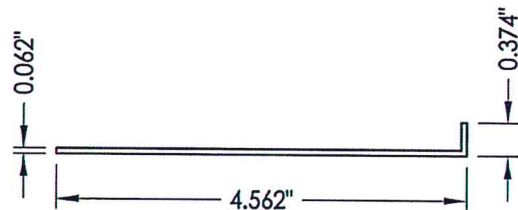


G1 GLAZING DETAIL

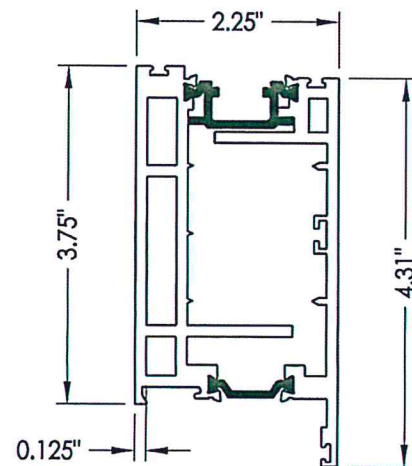
Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991347
Date 6/26/2015 Verified by [Signature]

PRODUCT:		FLEETWOOD	
SPEC. #10, 10A, 10B, 10C		PART OR ASSEMBLY:	
COMPONENTS AND GLAZING DETAIL		BY	
		REVISIONS	
		NO.	DATE
		RW BUILDING CONSULTANTS, INC. 813.659.9197	
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7351			
SHEET 12 OF 14			

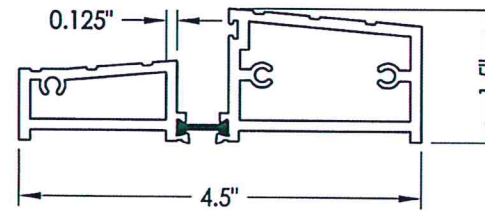
1 BLOCK HEAD & JAMBS



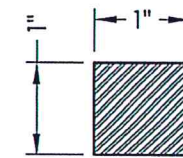
4 SILL PAN



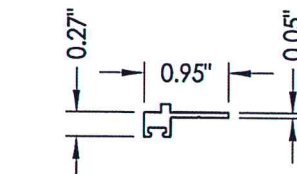
6 SASH



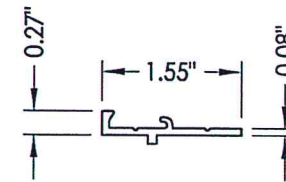
3 OUT-SWING SILL



51 REINFORCEMENT

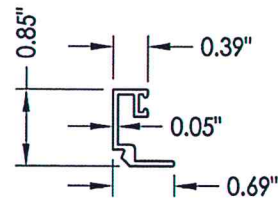


14 FIXED ADAPTOR

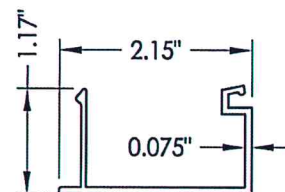


15 GLASS STOP ADAPTOR

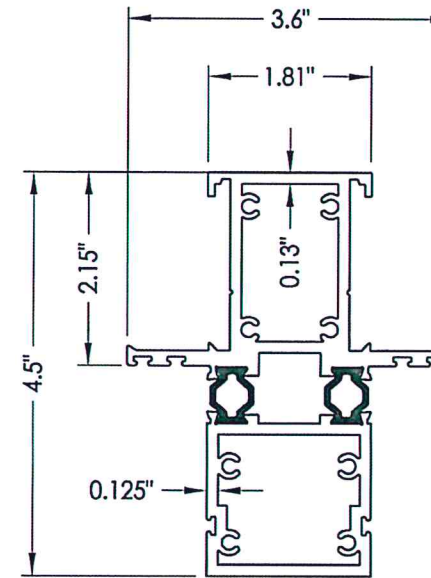
Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991347
Date 6/26/2015 Verified by gw



13 1-1/2" GLASS STOP



2 FRAME SNAP-IN



5 FRAME TEE BAR

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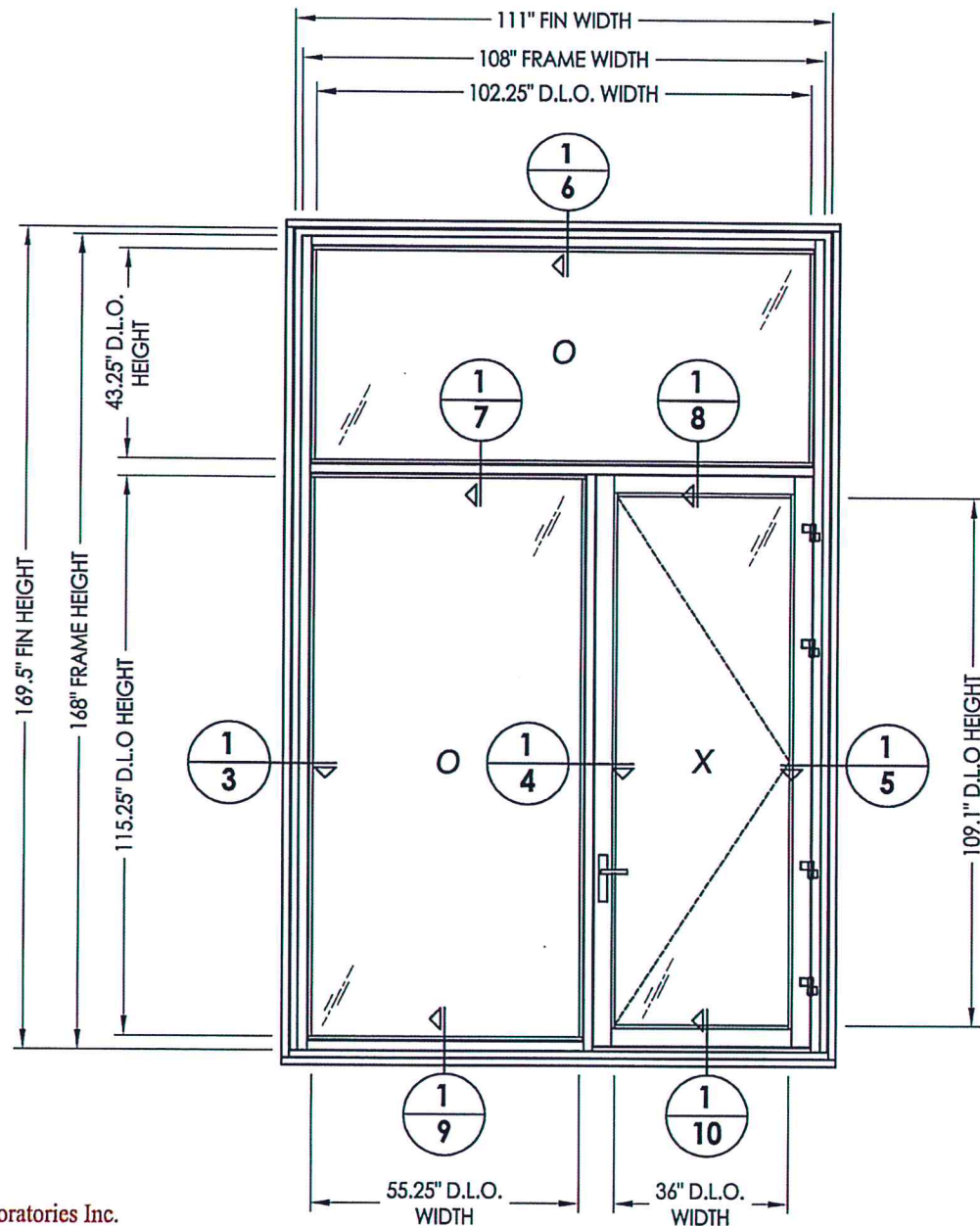
			
DATE: 3/17/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7351			
SHEET 14 OF 14			

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3	Horizontal cross sections
4	Horizontal cross sections
5	Horizontal cross sections
6	Vertical cross sections
7	Vertical cross sections
8	Vertical cross sections
9	Vertical cross sections
10	Vertical cross sections
11	Frame anchoring
12	Components and glazing details
13	Components
14	Bill of materials

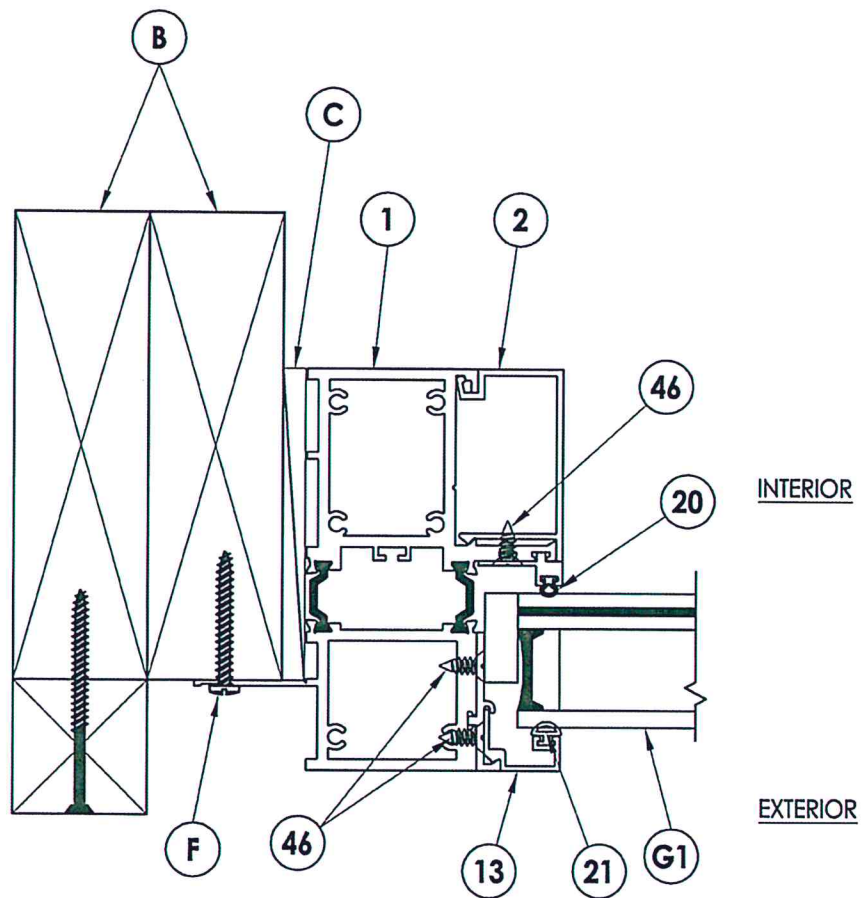
Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991347
Date 6/26/2015 Verified by gw

<u>PRODUCT:</u>		FLEETWOOD SPEC. #9, 9A		<u>PART OR ASSEMBLY:</u>		TABLE OF CONTENTS	
BUILDING CONSULTANTS, INC. 813.659.9197				REVISIONS			
<u>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-7346							
<u>SHEET</u> 1 <u>OF</u> 14							



Testing Evaluation Laboratories Inc.
 Specimen Complies with Drawing
 Deviations Noted - TEL# 01991347
 Date 6/26/2015 Verified by gwp

PRODUCT:		FLEETWOOD SPEC. #9, 9A	
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-7346			
SHEET 2 OF 14			



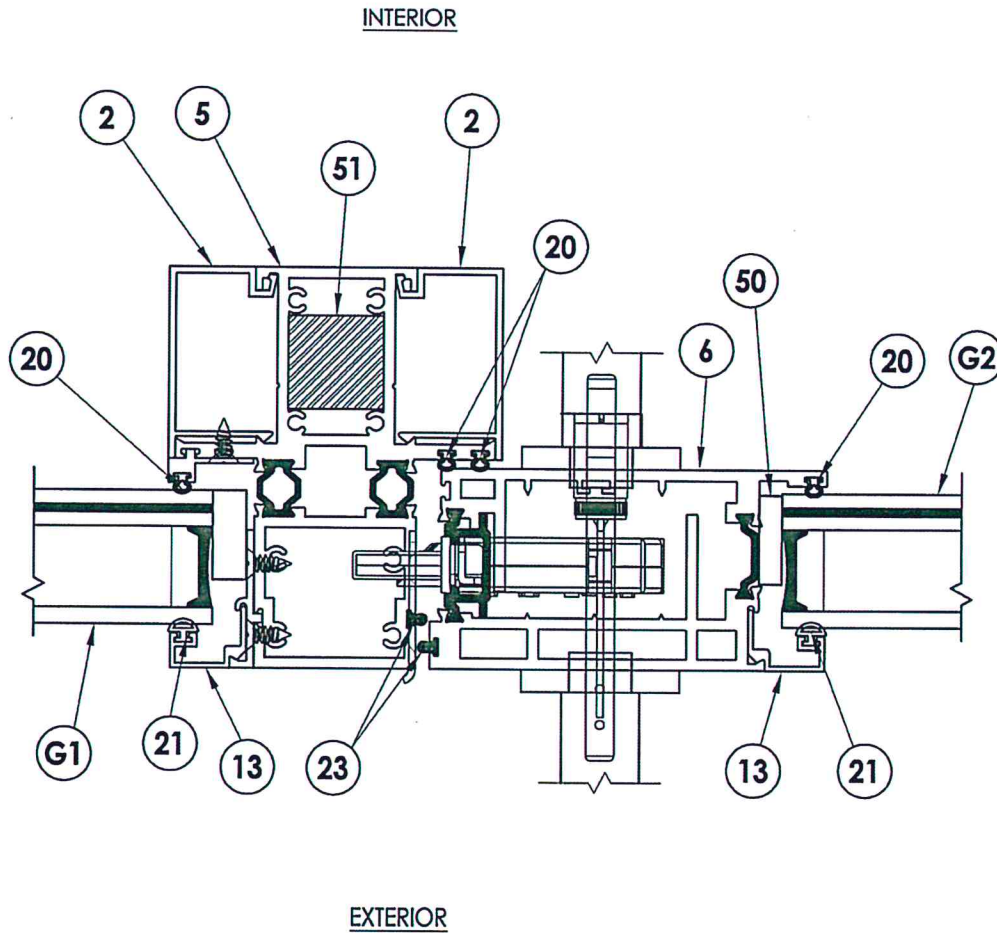
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3 **HORIZONTAL CROSS SECTION**

Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991347
Date 6/26/2015 Verified by gwo

PRODUCT:		FLEETWOOD SPEC. #9, 9A	
PART OR ASSEMBLY:		HORIZONTAL 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-7346
SHEET 3 OF 14

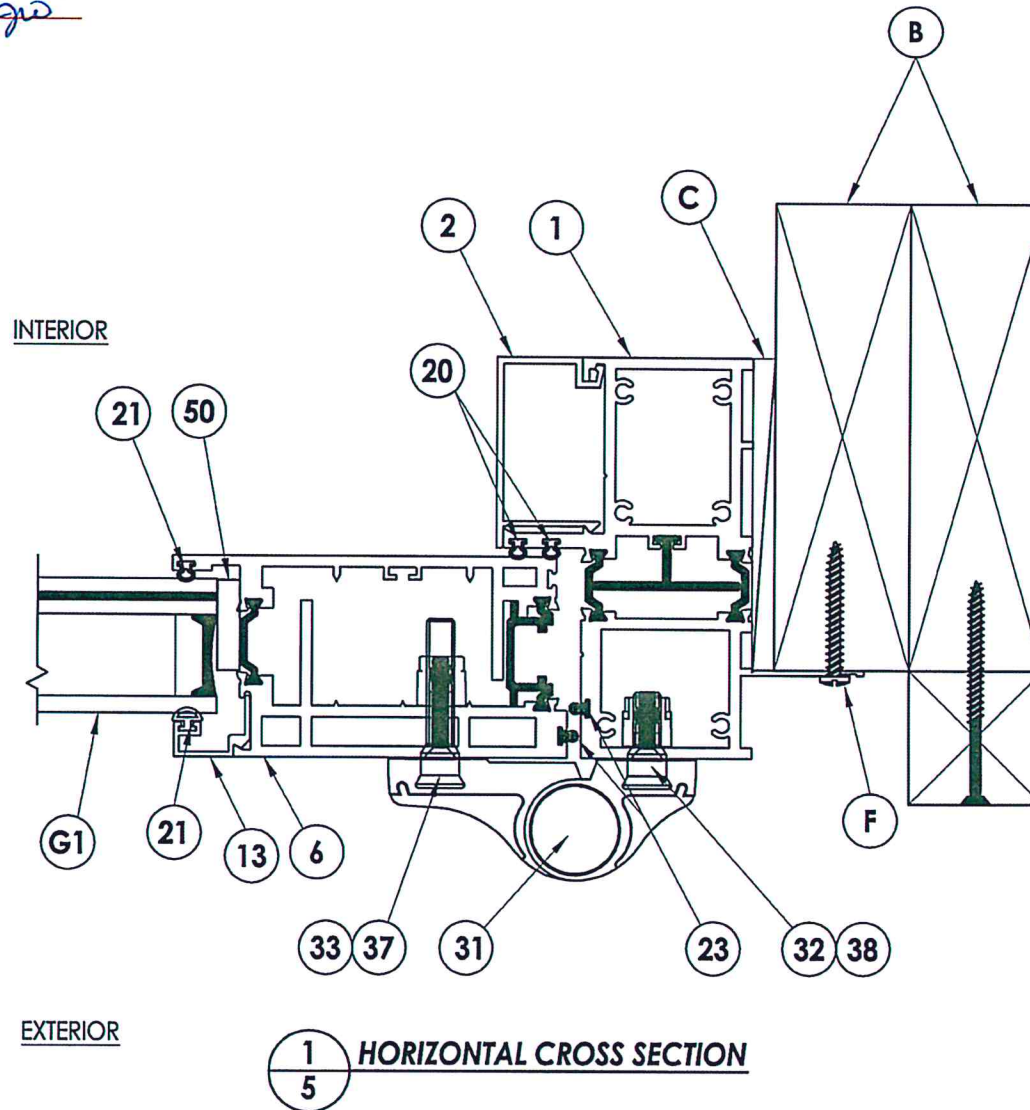


Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991347
Date 6/26/2015 Verified by gnd

1
4 **HORIZONTAL CROSS SECTION**

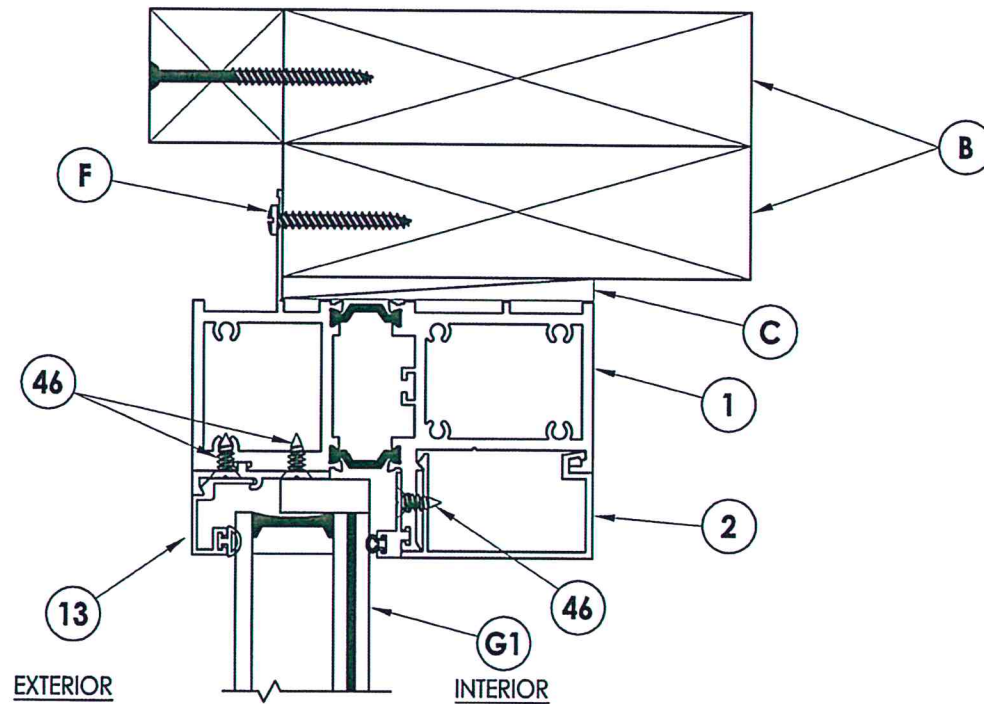
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PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
NO.	DATE	REVISIONS	BY
RW BUILDING CONSULTANTS, INC. 813.659.9197			
DATE: <u>3/17/15</u>			
SCALE: <u>N.T.S.</u>			
DWG. BY: <u>JK</u>			
CHK. BY: <u>LFS</u>			
DRAWING NO.: <u>L-7346</u>			
SHEET <u>4</u> OF <u>14</u>			

Testing Evaluation Laboratories Inc.
 Specimen Complies with Drawing
 Deviations Noted - TEL# 01991347
 Date 6/26/2015 Verified by gwo



PRODUCT:		FLEETWOOD SPEC. #9, 9A	
PART OR ASSEMBLY:		HORIZONTAL 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-7346			
SHEET 5 OF 14			

Testing Evaluation Laboratories Inc.
 Specimen Complies with Drawing
 Deviations Noted - TEL# 01991347
 Date 6/26/2015 Verified by gws



1
6 **VERTICAL CROSS SECTION**

RW BUILDING
 CONSULTANTS, INC.
 813.659.9197

DATE: 3/17/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
L-7346

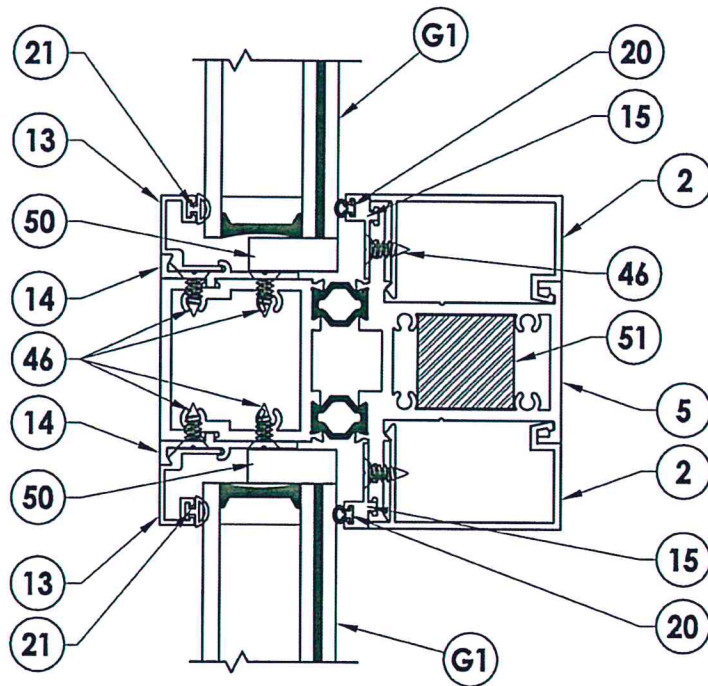
SHEET 6 OF 14

PRODUCT: FLEETWOOD
 SPEC. #9, 9A

PART OR ASSEMBLY:
VERTICAL
 CROSS SECTIONS

REVISIONS		
NO.	DATE	BY

EXTERIOR

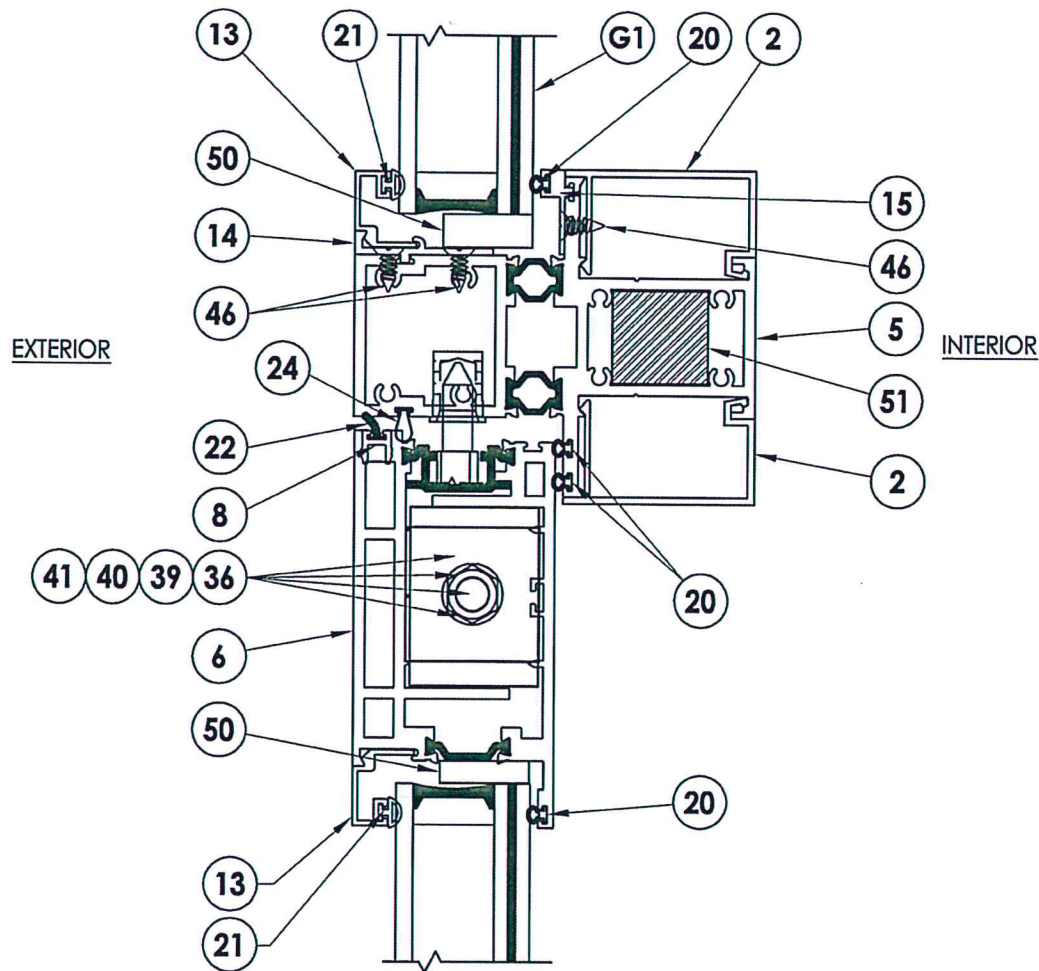


INTERIOR

Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991347
Date 6/26/2015 Verified by gud

1
7 **VERTICAL CROSS SECTION**

PRODUCT:		FLEETWOOD SPEC. #9, 9A	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
NO.	DATE	REVISIONS	BY
RW BUILDING CONSULTANTS, INC. 813.659.9197			
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-7346</u>			
SHEET <u>7</u> OF <u>14</u>			



1
8 **VERTICAL CROSS SECTION**

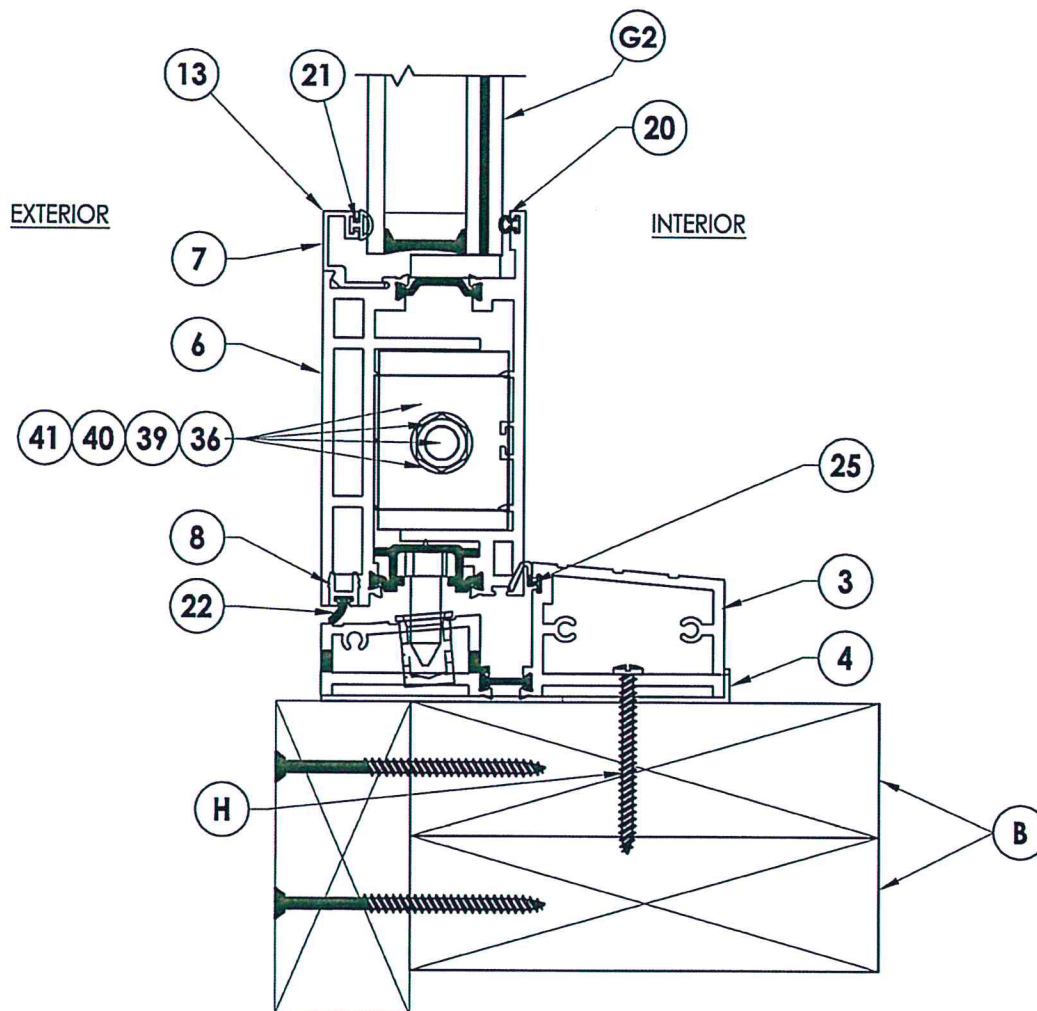
Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991347
Date 6/26/2015 Verified by gnd

PRODUCT:		FLEETWOOD SPEC. #9, 9A	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
NO.	DATE	REVISIONS	BY
RW BUILDING CONSULTANTS, INC. 813.659.9197			
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-7346</u>			
SHEET <u>8</u> OF <u>14</u>			

R:\Clients\Fleetwood PERMANENT\Drawings\Lab Dwgs\L-7346..dwg



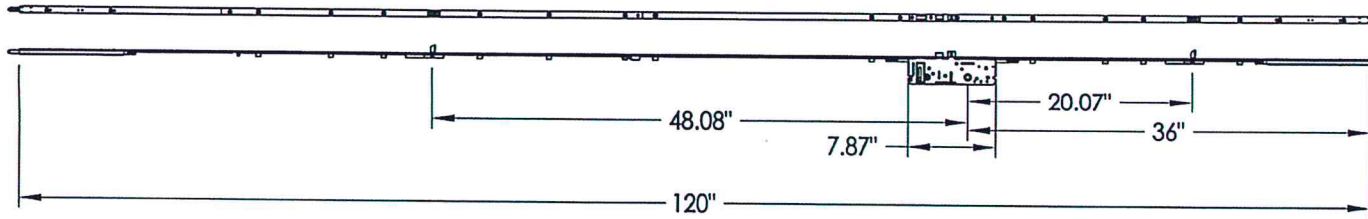
**RW BUILDING
CONSULTANTS, INC.**
813.659.9197



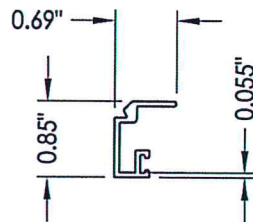
Testing Evaluation Laboratories Inc.
 Specimen Complies with Drawing
 Deviations Noted - TEL# 01991347
 Date 6/26/2015 Verified by *gao*

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10 **VERTICAL CROSS SECTION**

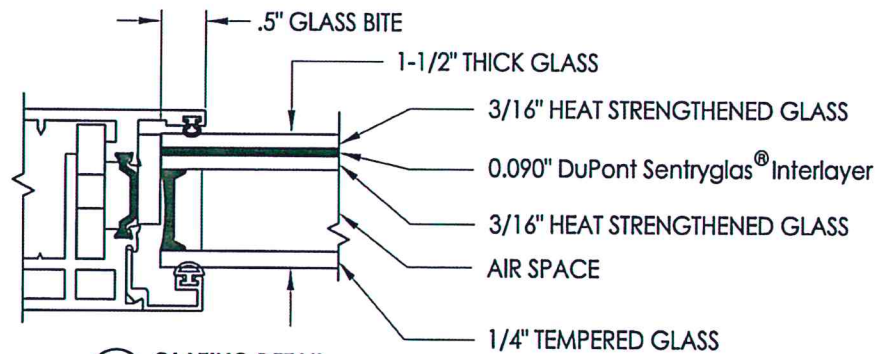
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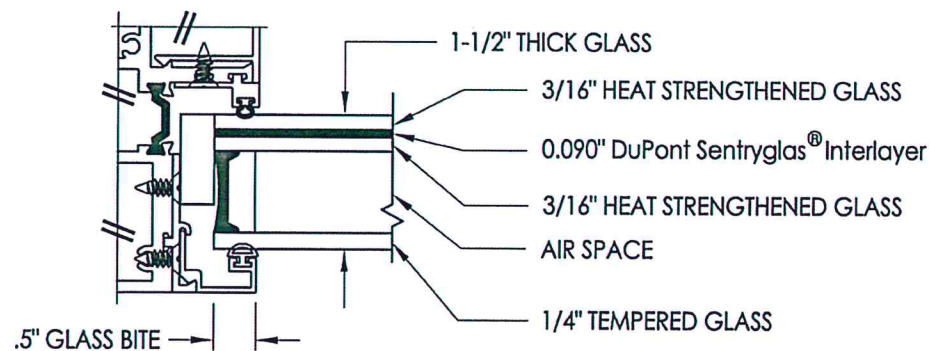
30 MULTI-POINT LOCK
TRUTH



13 1.5" GLASS STOP



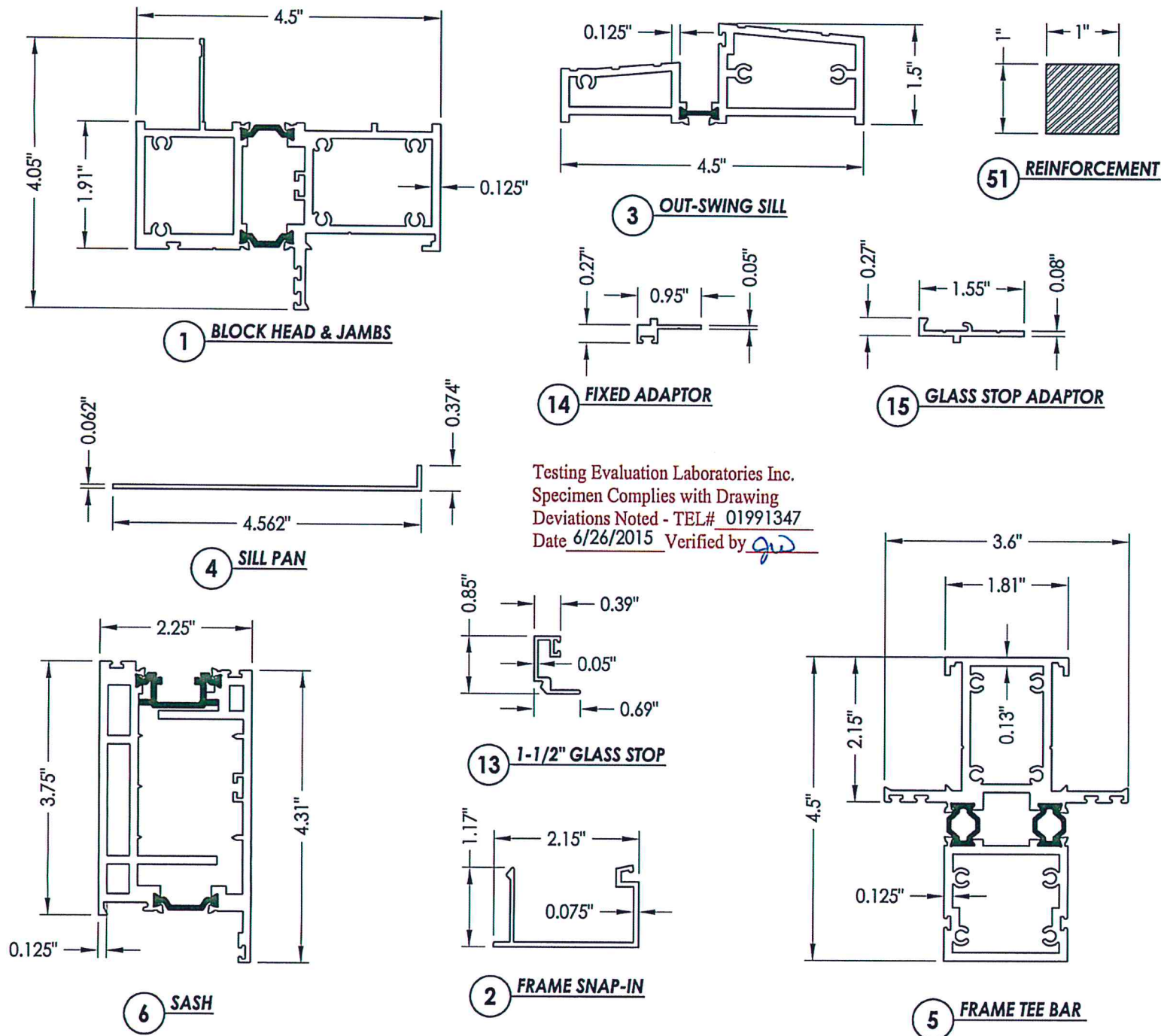
G2 GLAZING DETAIL



G1 GLAZING DETAIL

Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991347
Date 6/26/2015 Verified by gws

PRODUCT:		FLEETWOOD SPEC. #9, 9A	
PART OR ASSEMBLY:		COMPONENTS AND GLAZING DETAIL	
NO.		DATE	
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BY		REVISIONS	
DATE		BY	
NO.		DATE	



Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991347
Date 6/26/2015 Verified by *gud*

RW BUILDING
CONSULTANTS, INC.
813.659.9197

DATE: 3/17/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: L-7346
SHEET 13 OF 14

PRODUCT:		FLEETWOOD SPEC. #9, 9A	
PART OR ASSEMBLY:		COMPONENTS	
NO.		DATE	
BY		REVISIONS	

[illegible]