



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 01991350
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: 169.00" x 120.00" – All Specimens – (OXO)

Daylight Opening: 35.00" x 108.00" – Door Panel – All Specimens
57.00" x 117.00" – 3800-T Sidelite– Specimen 6 and 6a
47.00" x 108.00" – Sash Sidelite – 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-7349 and L-7349A.

STRUCTURAL TESTS (TAS 202)

Specimen 1 – 169.00" x 120.00" – Outswing Door with (1) 3800-T Sidelite and (1) Sash Sidelite – OXO

Design Pressure Positive 65.0 Negative 65.0

Air Infiltration (ASTM E283-04)	Pressure	SCFM/Ft^2	Result
	1.57 PSF	0.007	Pass
Air Exfiltration (ASTM E283-04)	Pressure	SCFM/Ft^2	Result
	1.57 PSF	0.012	Pass
Air Infiltration (ASTM E283-04)	Pressure	SCFM/Ft^2	Result
	6.24 PSF	0.003	Pass
Air Exfiltration (ASTM E283-04)	Pressure	SCFM/Ft^2	Result
	6.24 PSF	0.019	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	1	0.488"	0.667"
Half Test Negative	30	32.50			
Design Negative	30	65.00	1	0.521"	0.667"
Water Infiltration (ASTM E331-00)		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	0.695"	0.028"	0.480"
			2	0.069"	0.003"	0.208"
Half Proof Negative	10	48.75				
Test Negative	30	97.50	1	0.775"	0.000"	0.480"
			2	0.350"	0.019"	0.208"

Deflection Locations:

Location 1 – Center of Mullion; Location 2 – Between locking points on 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 6a – 169.00" x 120.00" – Outswing Door with (1) 3800-T Sidelite and (1) Sash Sidelite – OXO

TAS 201-94/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
77°F	D	9.0 lbs, 0 oz.	8'-1/4"	17'0"

Impact Location	Results	X - Measurement	Y - Measurement	Speed
1	Pass	31.25 "	60.25 "	50.1 fps
2	Pass	53.50"	8.00"	50.0 fps
3	Pass	61.75"	60.50"	50.1 fps
4	Pass	85.75"	60.00"	50.1 fps
5	Pass	97.25 "	11.50"	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/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	1.33
0% to 60%	0.0 to 30.0	300	1.95
50% to 80%	25.0 to 40.0	600	1.32
30% to 100%*	15.0 to 50.0	100	1.75

Negative % of Test Load	Negative Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
30% to 100%*	16.5 to 55.0	50	1.71
50% to 80%	27.5 to 44.0	1050	1.21
0% to 60%	0.0 to 33.0	50	2.13
20% to 50%	11.0 to 27.5	3350	1.17
<p>*Active Panel deflected 1.75" from original plane at 100% Positive load and 2.25" 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.</p>			

James Hayhurst, Test Technician

IMPACT AND CYCLING TESTS

Specimen 6c – 169.00" x 120.00" – Outswing Door with Sash Sidelites – OXO

TAS 201-94/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
77°F	D	9.0 lbs, 1 oz.	8'-1/2"	17'0"

Impact Location	Results	X - Measurement	Y - Measurement	Speed
1	Pass	30.00"	60.00"	50.0 fps
2	Pass	60.25"	61.00"	49.9 fps
3	Pass	84.50"	59.25"	50.1 fps
4	Pass	96.00"	11.50"	50.0 fps
5	Pass	47.50"	11.25"	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/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	1.99
0% to 60%	0.0 to 39.0	300	1.21
50% to 80%	32.5 to 52.0	600	1.31
30% to 100%*	19.5 to 65.0	100	1.41

Negative % of Test Load	Negative Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
30% to 100%*	19.5 to 65.0	50	1.65
50% to 80%	32.5 to 52.0	1050	1.63
0% to 60%	0.0 to 39.0	50	1.99
20% to 50%	13.0 to 32.5	3350	2.29
*Active Panel deflected 2.75" 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 6d – 169.00" x 120.00" – Outswing Door with Sash Sidelites – OXO

TAS 201-94/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
77°F	D	9.0 lbs, 1 oz.	8'-1/2"	17'0"

Impact Location	Results	X - Measurement	Y - Measurement	Speed
1	Pass	47.25"	11.375"	50.0 fps
2	Pass	95.75"	11.50"	50.0 fps
3	Pass	84.25"	59.50"	50.1 fps
4	Pass	60.25"	60.50"	49.9 fps
5	Pass	30.25"	59.50"	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/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	1.99
0% to 60%	0.0 to 39.0	300	2.29
50% to 80%	32.5 to 52.0	600	2.31
30% to 100%*	19.5 to 65.0	100	2.74

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	2.25
0% to 60%	0.0 to 39.0	50	1.89
20% to 50%	13.0 to 32.5	3350	1.71
<p>*Active Panel deflected 3.625" from original plane at 100% Positive load and 4.00" from original plane at 100% Negative load. At the completion of cycles the door panel was operable. There were no tears in the film. In our opinion, the tape and film used to seal for air leakage did not influence the results of the test.</p>			

James Hayhurst, Test Technician

IMPACT AND CYCLING TESTS

Specimen 6e – 169.00" x 120.00" – Outswing Door with Sash Sidelites – OXO

TAS 201-94/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
77°F	D	9.0 lbs, 1 oz.	8'-1/2"	17'0"

Impact Location	Results	X - Measurement	Y - Measurement	Speed
1	Pass	30.00"	59.75"	49.9 fps
2	Pass	60.38"	60.50"	50.0 fps
3	Pass	84.625"	59.50"	50.0 fps
4	Pass	73.00"	107.50"	50.1 fps
5	Pass	12.50"	107.25"	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/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	2.11
50% to 80%	32.5 to 52.0	600	2.59
30% to 100%*	19.5 to 65.0	100	2.87

Negative % of Test Load	Negative Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
30% to 100%*	19.5 to 65.0	50	2.91
50% to 80%	32.5 to 52.0	1050	2.53
0% to 60%	0.0 to 39.0	50	2.01
20% to 50%	13.0 to 32.5	3350	1.89
<p>*Active Panel deflected 3.625" from original plane at 100% Positive load and 4.00" from original plane at 100% Negative load. At the completion of cycles the door panel was operable. There were no tears in the film. In our opinion, the tape and film used to seal for air leakage did not influence the results of the test.</p>			

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.

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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. # 26686

Revision Log

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

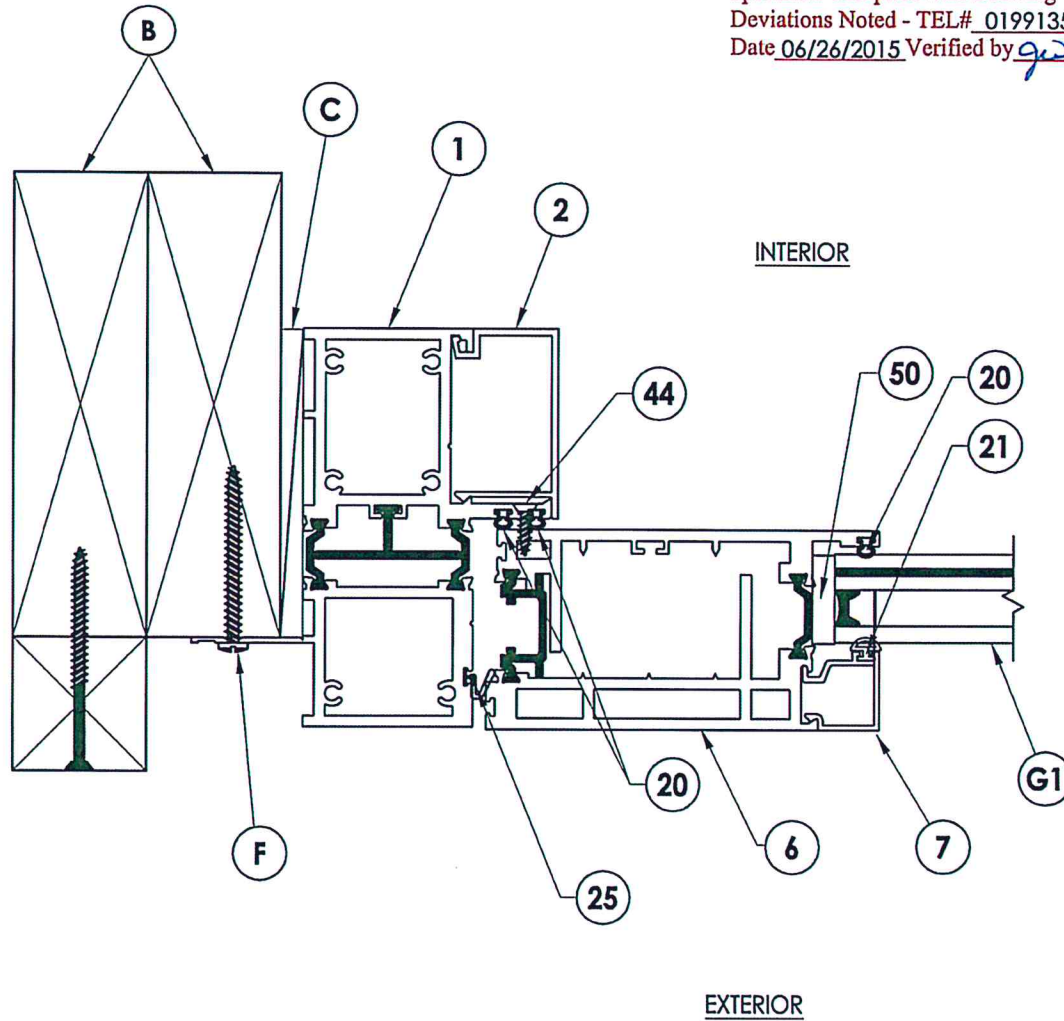
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12	Components and glazing detail
13	Components
14	Bill of materials

Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991350
Date 06/26/2015 Verified by gjd

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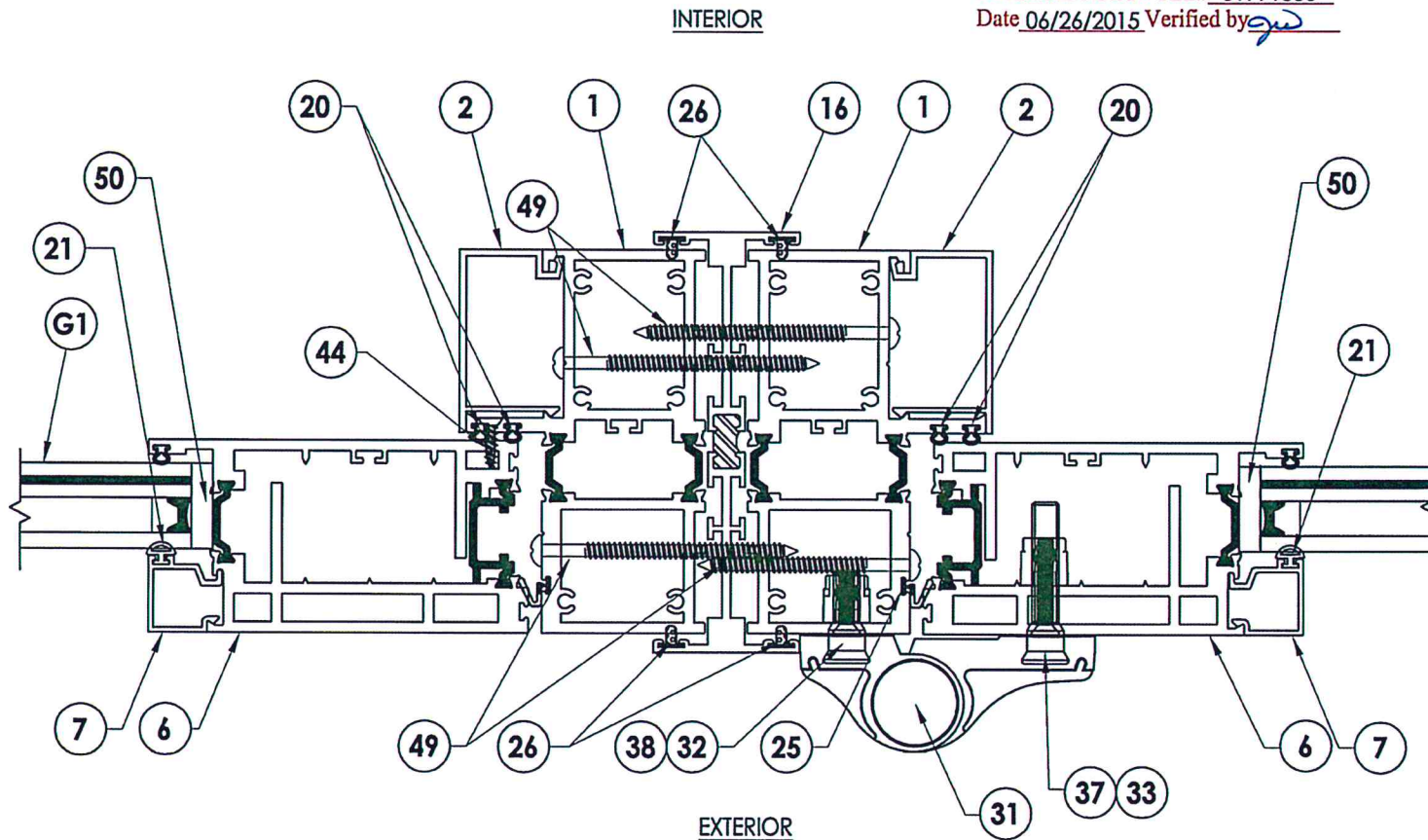
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 Specimen Complies with Drawing
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1
3 **HORIZONTAL CROSS SECTION**

PRODUCT:		FLEETWOOD SPEC. 6C, 6D, 6E	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
NO.	DATE	REVISIONS	BY
<div style="border: 1px solid black; padding: 5px; text-align: center;"> RW BUILDING CONSULTANTS, INC. 813.659.9197 </div>			
DATE: 4/4/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7349A			
SHEET 3 OF 14			

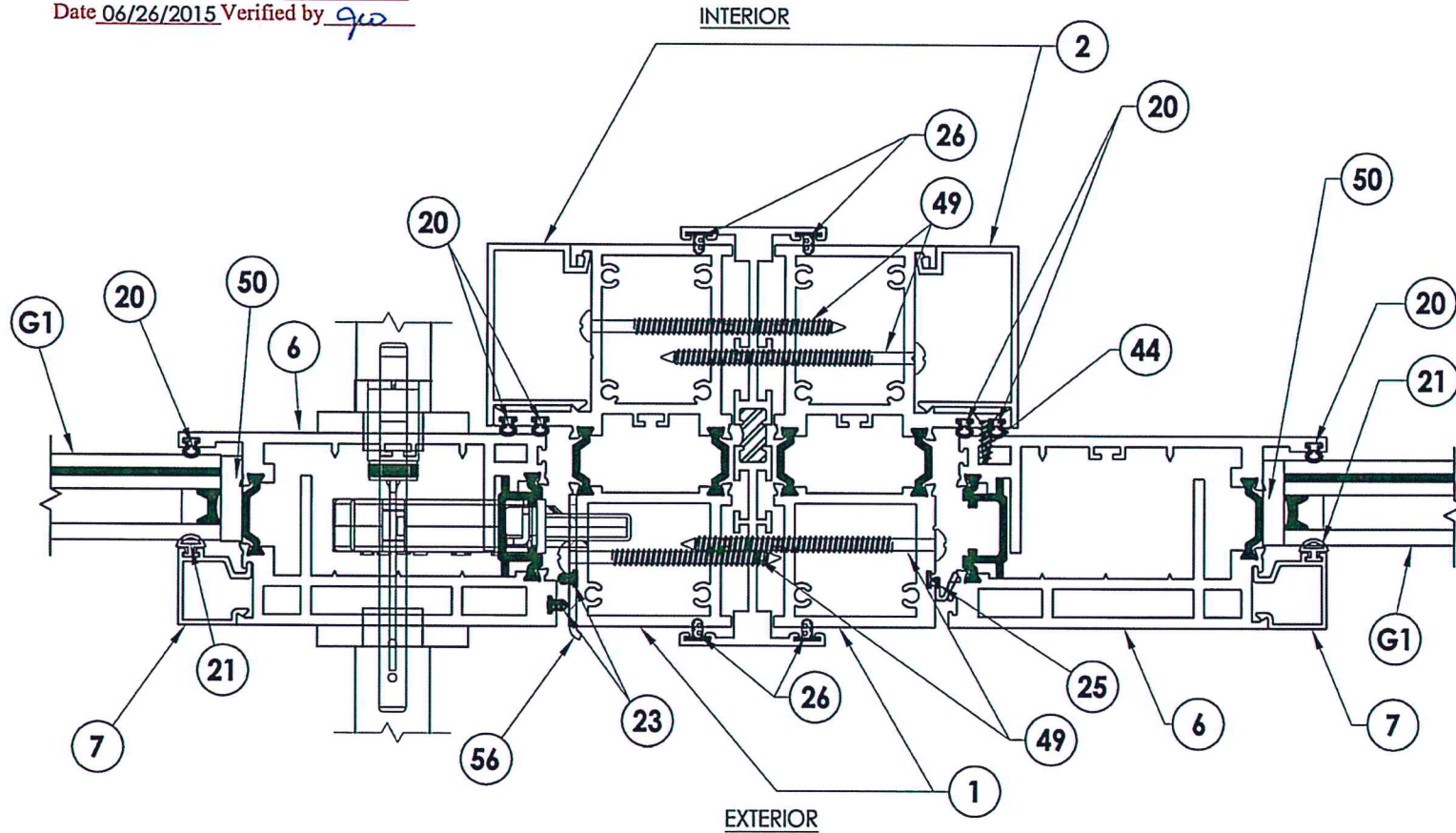
Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991350
Date 06/26/2015 Verified by *[Signature]*



1
4 **HORIZONTAL CROSS SECTION**

PRODUCT: FLEETWOOD SPEC. 6C, 6D, 6E		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
		NO.	DATE
		BY	REVISIONS
<div style="border: 1px solid black; padding: 5px;"> RW BUILDING CONSULTANTS, INC. 813.659.9197 </div>			
DATE: 4/4/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7349A			
SHEET 4 OF 14			

Testing Evaluation Laboratories Inc.
 Specimen Complies with Drawing
 Deviations Noted - TEL# 01991350
 Date 06/26/2015 Verified by gjo



1
5 **HORIZONTAL CROSS SECTION**

PRODUCT: FLEETWOOD
 SPEC. 6C, 6D, 6E
 PART OR ASSEMBLY: VERTICAL
 CROSS SECTIONS

NO.	DATE	REVISIONS	BY

RW BUILDING
 CONSULTANTS, INC.
 813.659.9197

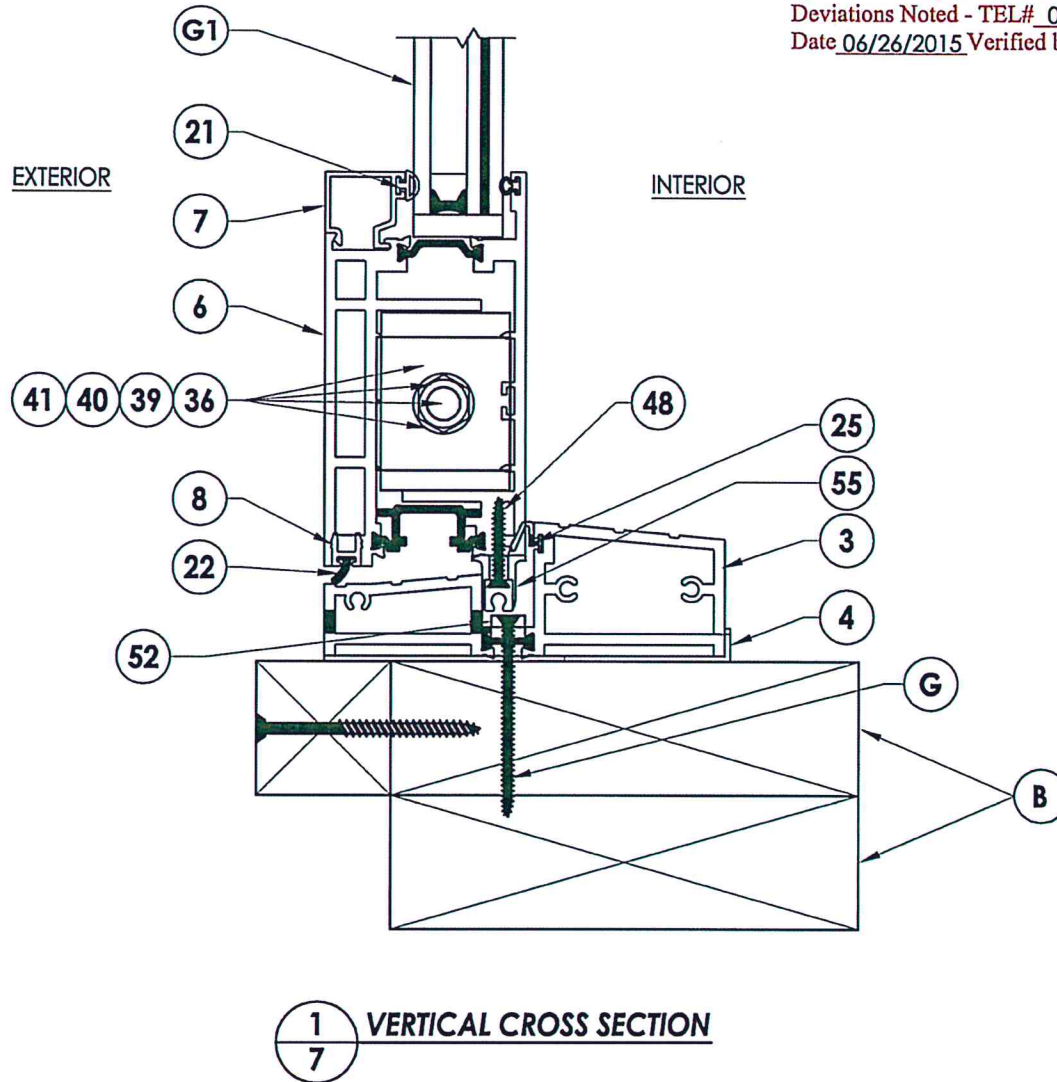
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 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.:
 L-7349A
 SHEET 5 OF 14

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 Specimen Complies with Drawing
 Deviations Noted - TEL# 01991350
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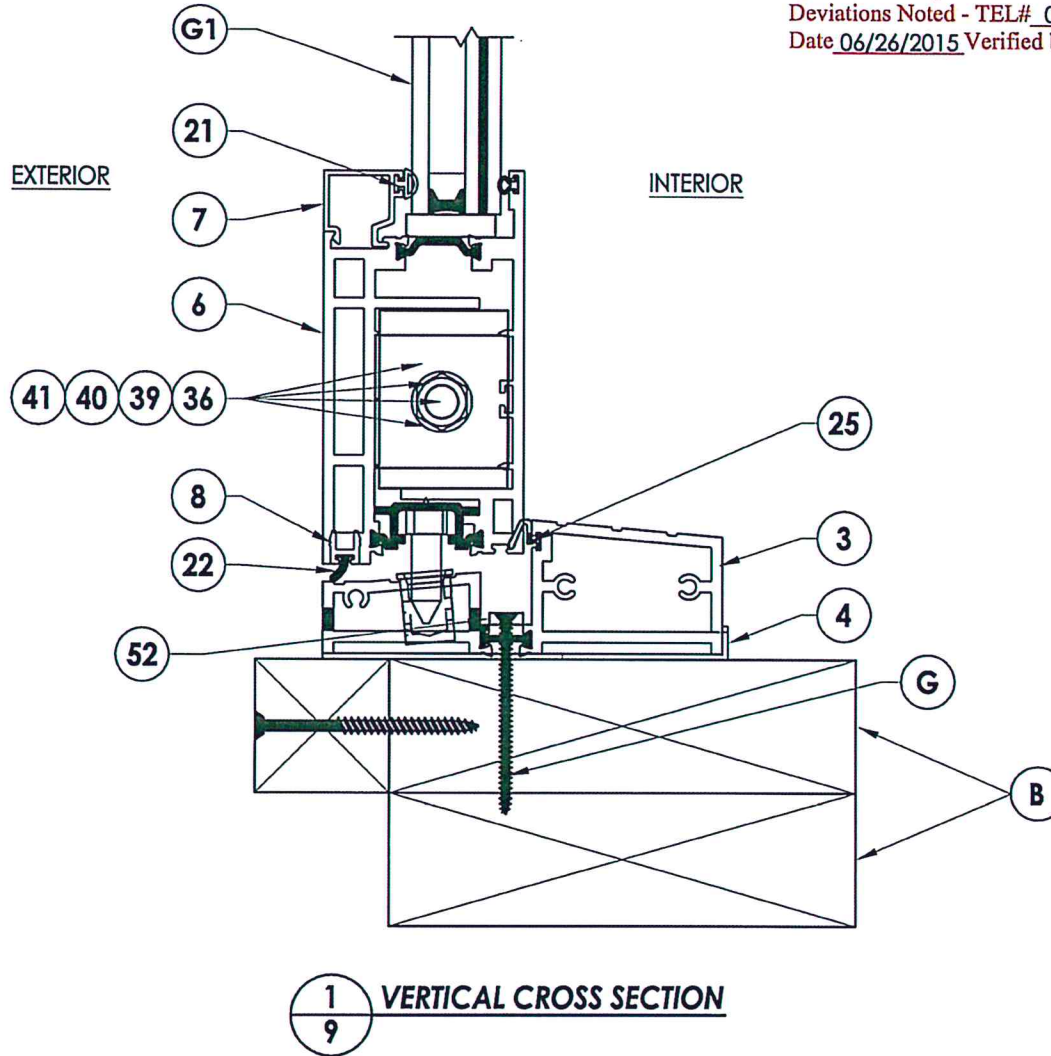
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PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
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DATE: 4/4/15			
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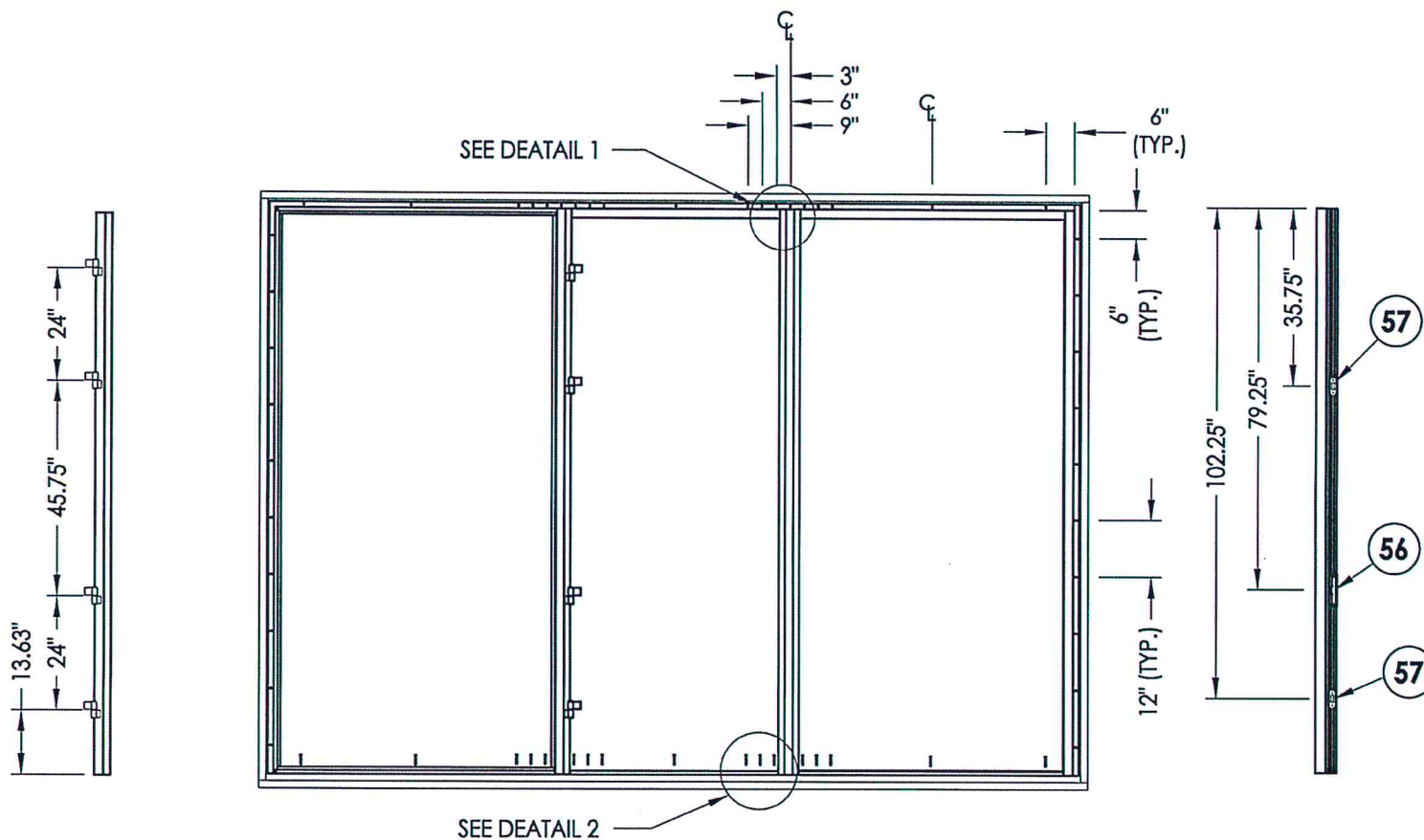
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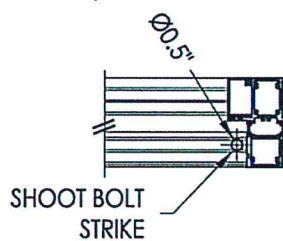


HINGE JAMB

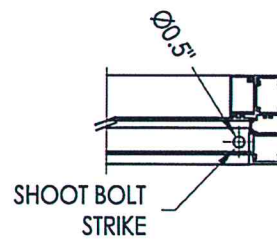
FRAME ANCHORING
(2X buck installation)

STRIKE JAMB

Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991350
Date 06/26/2015 Verified by gw



DETAIL 2



DETAIL 1

PRODUCT: FLEETWOOD
SPEC: 6C, 6D, 6E
PART OR ASSEMBLY: FRAME ANCHORING

NO.	DATE	REVISIONS	BY

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CONSULTANTS, INC.
813.659.9197

DATE: 4/4/15

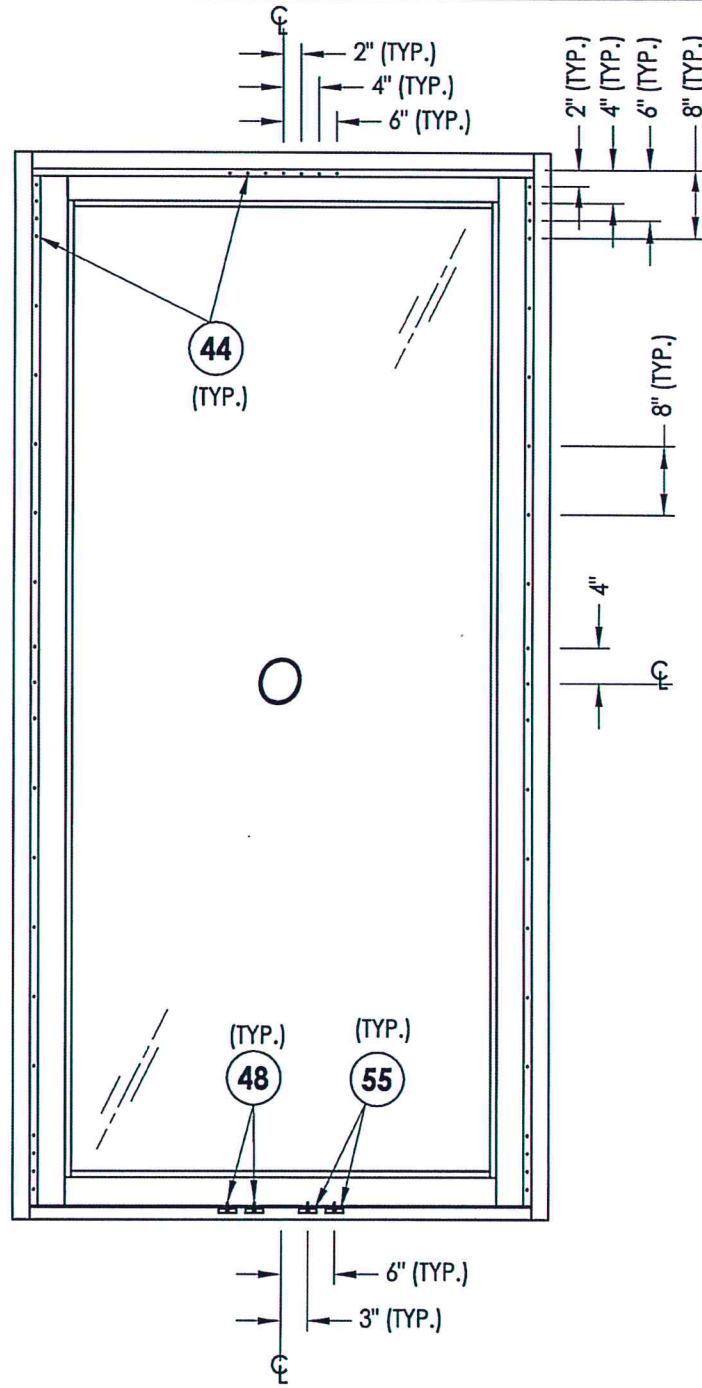
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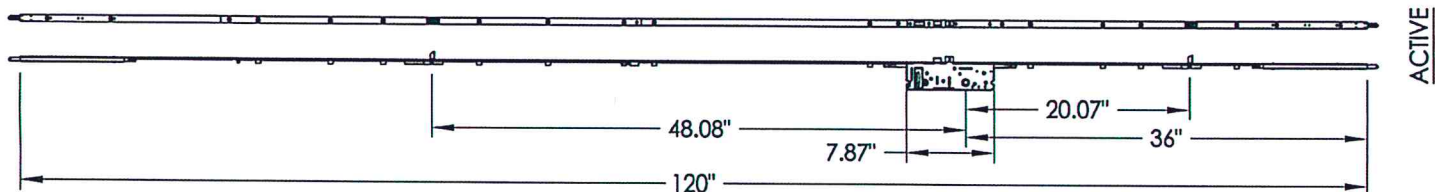
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CHK. BY: LFS

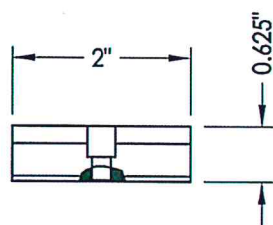
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SHEET 10 OF 14

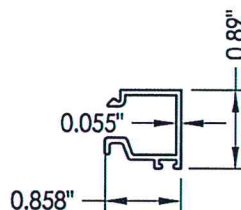
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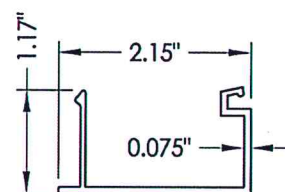
30 MULTI-POINT LOCK
TRUTH



55 FIXED SILL BLOCK

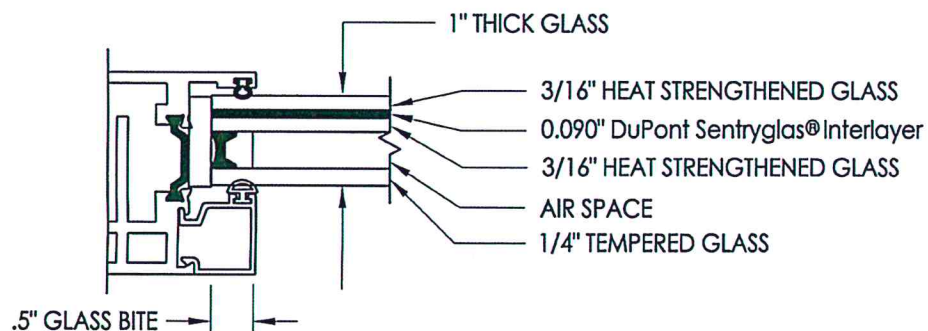


7 1" GLASS STOP



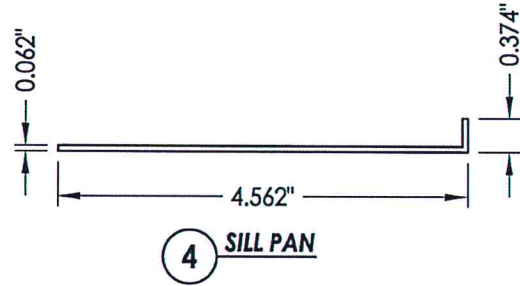
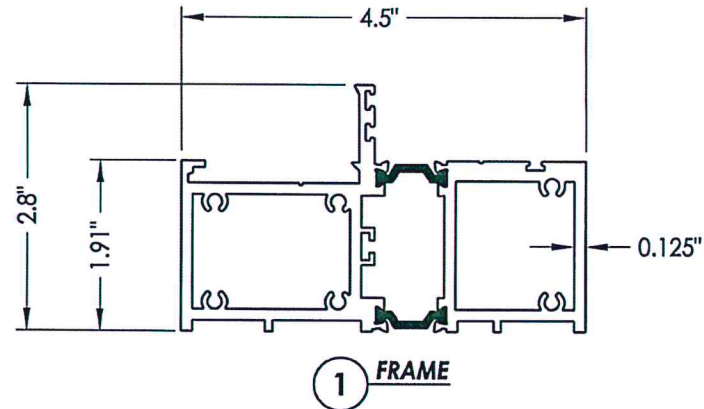
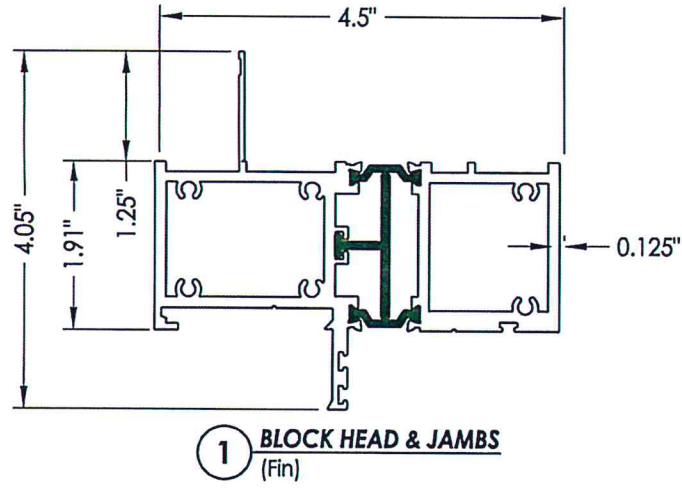
2 FRAME SNAP-IN

Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991350
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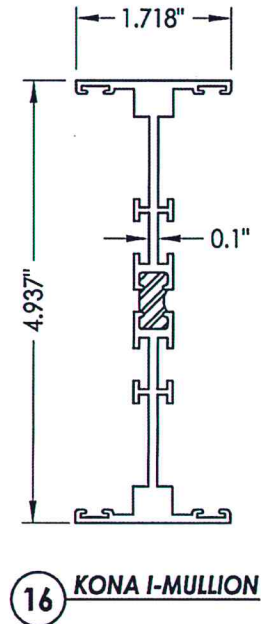
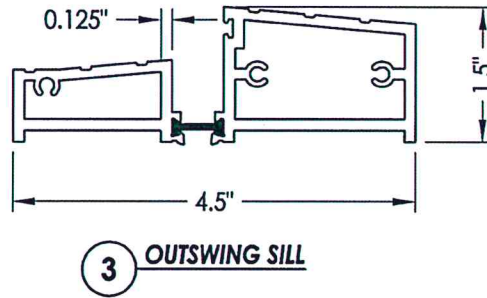
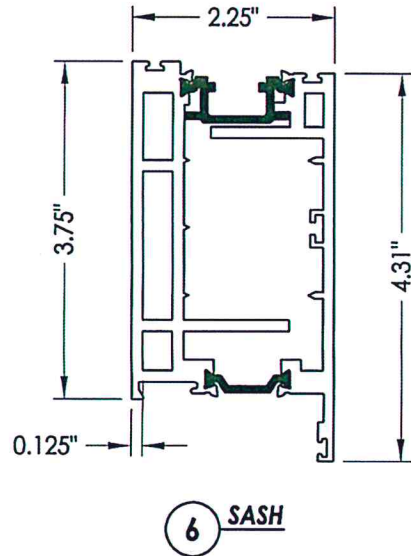


G1 GLAZING DETAIL

PRODUCT: FLEETWOOD SPEC. 6C, 6D, 6E		PART OR ASSEMBLY:		COMPONENTS AND GLAZING DETAIL	
				NO.	DATE
				BY	REVISIONS
<div style="border: 1px solid black; padding: 5px; text-align: center;"> RW BUILDING CONSULTANTS, INC. 813.659.9197 </div>					
DATE: 4/4/15					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: L-7349A					
SHEET 12 OF 14					



Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991350
Date 06/26/2015 Verified by gw



PRODUCT:		FLEETWOOD SPEC: 6C, 6D, 6E	
PART OR ASSEMBLY:		COMPONENTS	
NO.	DATE	BY	REVISIONS
<div style="border: 1px solid black; padding: 5px; text-align: center;"> RW BUILDING CONSULTANTS, INC. 813.659.9197 </div>			
DATE: 4/4/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7349A			
SHEET 13 OF 14			

BILL OF MATERIALS			
ITEM #	DESCRIPTION	PART#	MATERIAL
B	2X BUCK SG >= 0.55	-	WOOD
C	1/4" MAX. SHIM SPACE	-	-
F	#10 x 2" PFH WOOD SCREW	-	STEEL
G	#8 x 2" PFH WOOD SCREW	-	STEEL
1	FRAME	3911	6063-T6 ALUM
2	FRAME SNAP-IN	3912	6063-T6 ALUM
3	OUTSWING SILL	3202	6063-T6 ALUM
4	SILL PAN	-	SHEET METAL (ALUMINUM)
6	SASH	3902	6063-T6 ALUM
7	1" GLASS STOP	3907	6063-T6 ALUM
8	ATLANTIC SEAL CLIP	3916	6063-T6 ALUM
10	FRAME (FIN)	3911	6063-T6 ALUM
16	KONA I-MULLION	3082	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
26	Q-LON FOAM SEAL	19120	SCHLEGEL CORP., # U 5212
30	LOCKING HARDWARE (5 point lock)	-	TRUTH
31	BUTT HINGE	-	SAVIO
32	BACK UP KIT	20535	SAVIO
33	HINGE BOLT, 8M X 48MM (FOR PANEL)	25026	SAVIO
36	BACK UP PLATE FOR CORNER BLOCK	25025	-
37	MACHINE SCREW NO 10-32, FHP 1.125"	25074	STAINLESS STEEL
38	MACHINE SCREW NO 10-32, FHP .75"	25073	STAINLESS STEEL
39	HEX HEAD CAP SCREW .375-16, 2.250"	25175	STAINLESS STEEL
40	.375-16 SS. HEX NUT	25023	STAINLESS STEEL
41	.375 SPLIT LOCK WASHER	25024	STAINLESS STEEL
44	#8 x 1/2" PFH SMS	-	STEEL
48	#8 x 1" PFH SMS	-	STEEL
49	#10 x 3" PFH SMS	-	STEEL
50	4" LONG SETTING BLOCK	18620	-
52	ANCHOR BLOCK	-	6063-T6 ALUM
55	FIXED SILL BLOCK	-	6063-T6 ALUM
56	LATCH AND DEADBOLT STRIKE PLATE	-	-
57	STRIKE PLATE	-	-

Testing Evaluation Laboratories Inc.
 Specimen Complies with Drawing
 Deviations Noted - TEL# 01991350
 Date 06/26/2015 Verified by gwd

PRODUCT: FLEETWOOD SPEC. 6C, 6D, 6E		PART OR ASSEMBLY: BILL OF MATERIALS		REVISIONS	
				NO.	DATE
					BY

RW BUILDING CONSULTANTS, INC.
 813.659.9197

DATE: 4/4/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: L-7349A

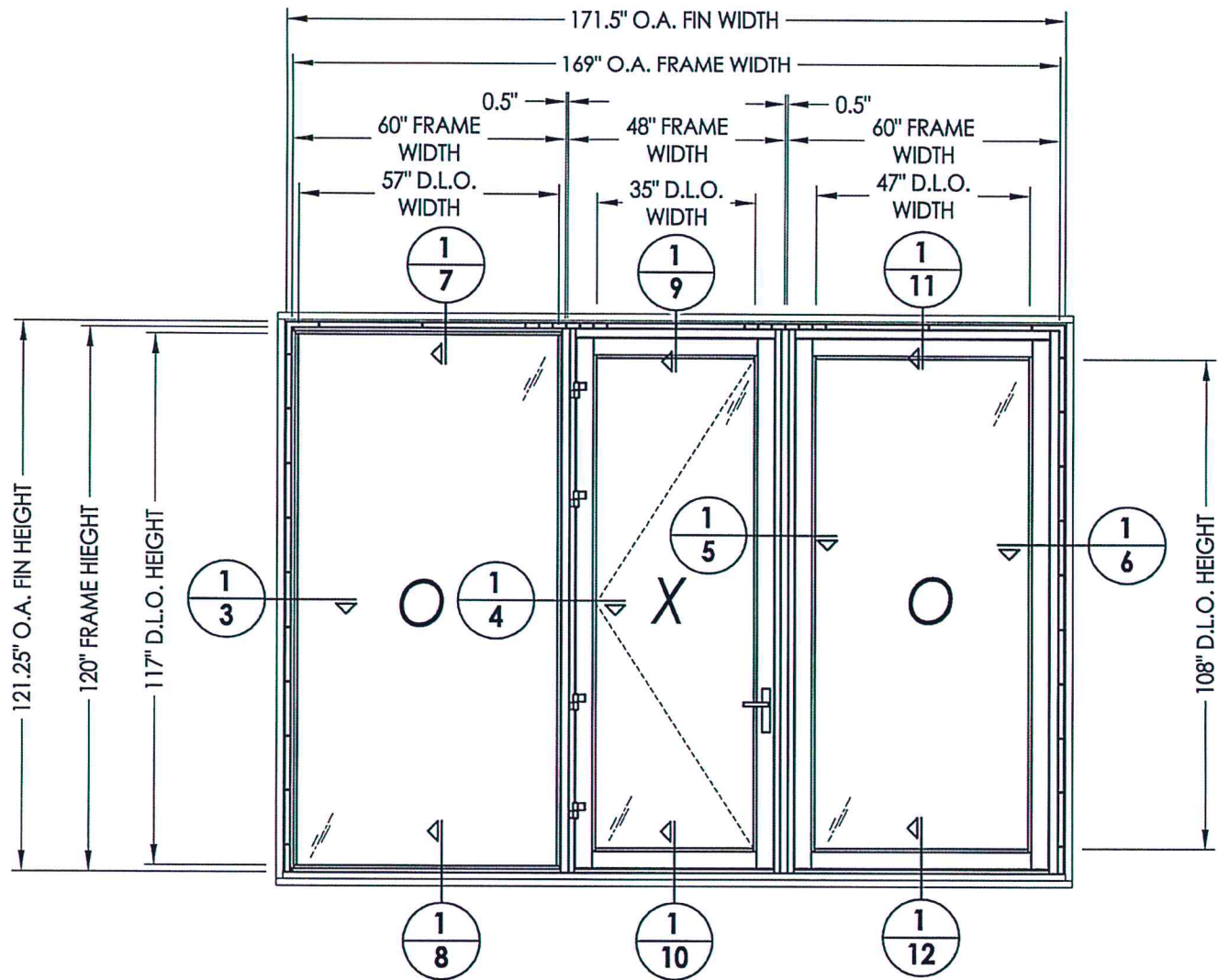
SHEET 14 OF 14

TABLE OF CONTENTS

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

Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991350
Date 06/26/2015 Verified by gud

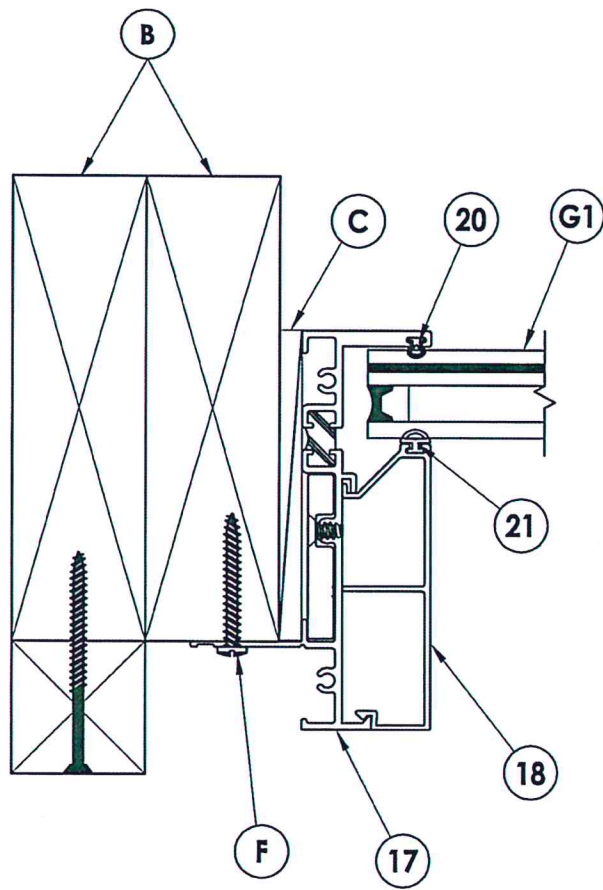
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Testing Evaluation Laboratories Inc.
 Specimen Complies with Drawing
 Deviations Noted - TEL# 01991350
 Date 06/26/2015 Verified by gjs

PRODUCT:		FLEETWOOD SPEC. 6, 6A	
PART OR ASSEMBLY:		TEST ELEVATIONS	
NO.	DATE	REVISIONS	BY
<div> <div>RW</div> <div>BUILDING CONSULTANTS, INC. 813.659.9197</div> </div>			
DATE: 4/4/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7349			
SHEET 2 OF 17			

Testing Evaluation Laboratories Inc.
 Specimen Complies with Drawing
 Deviations Noted - TEL# 01991350
 Date 06/26/2015 Verified by gws

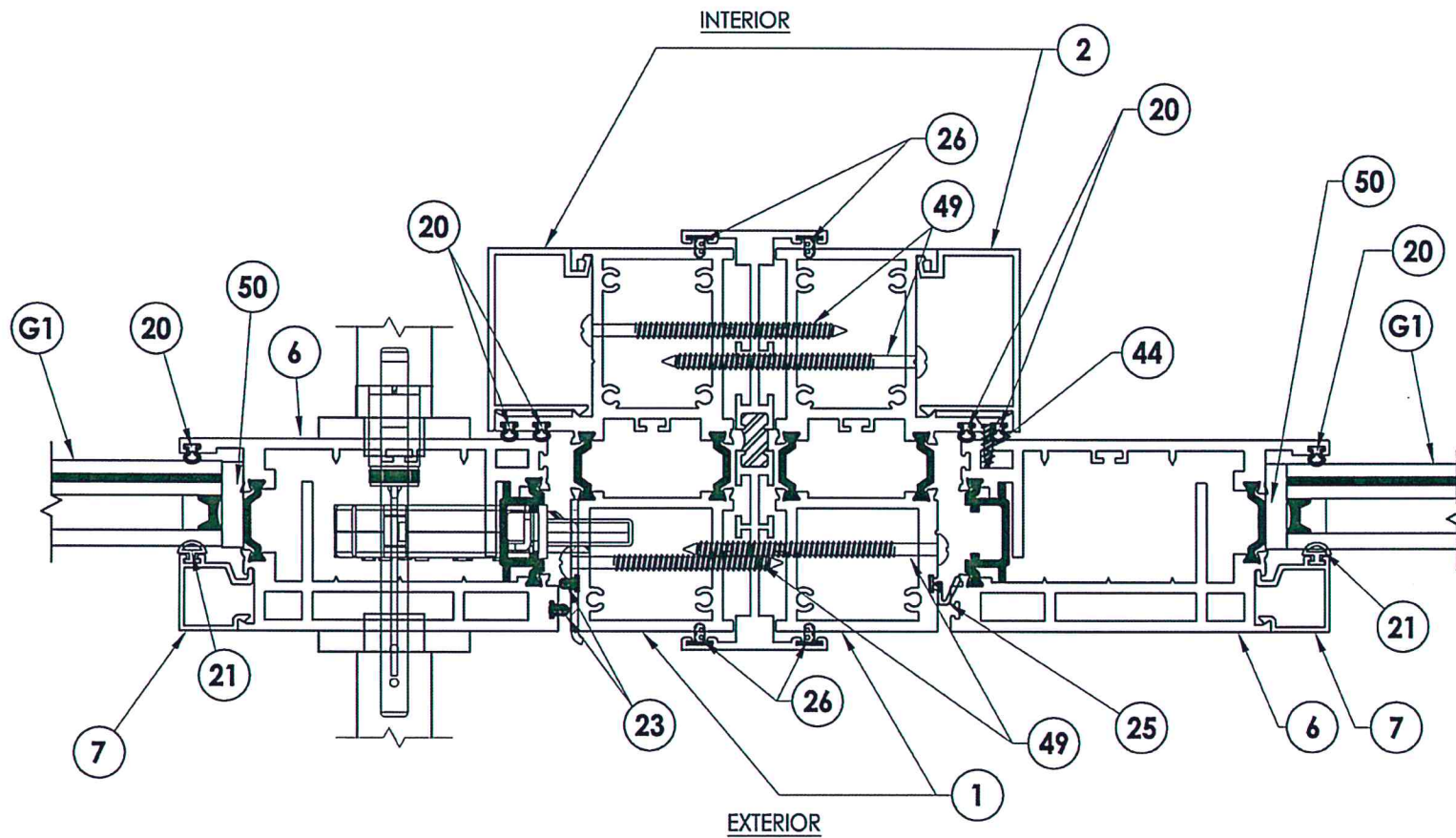


1
3 HORIZONTAL CROSS SECTION

PRODUCT:		FLEETWOOD SPEC. 6, 6A	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
NO.		DATE	
BY		REVISIONS	
DATE: 4/4/15		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: L-7349		SHEET 3 OF 17	

1 **HORIZONTAL CROSS SECTION**
4

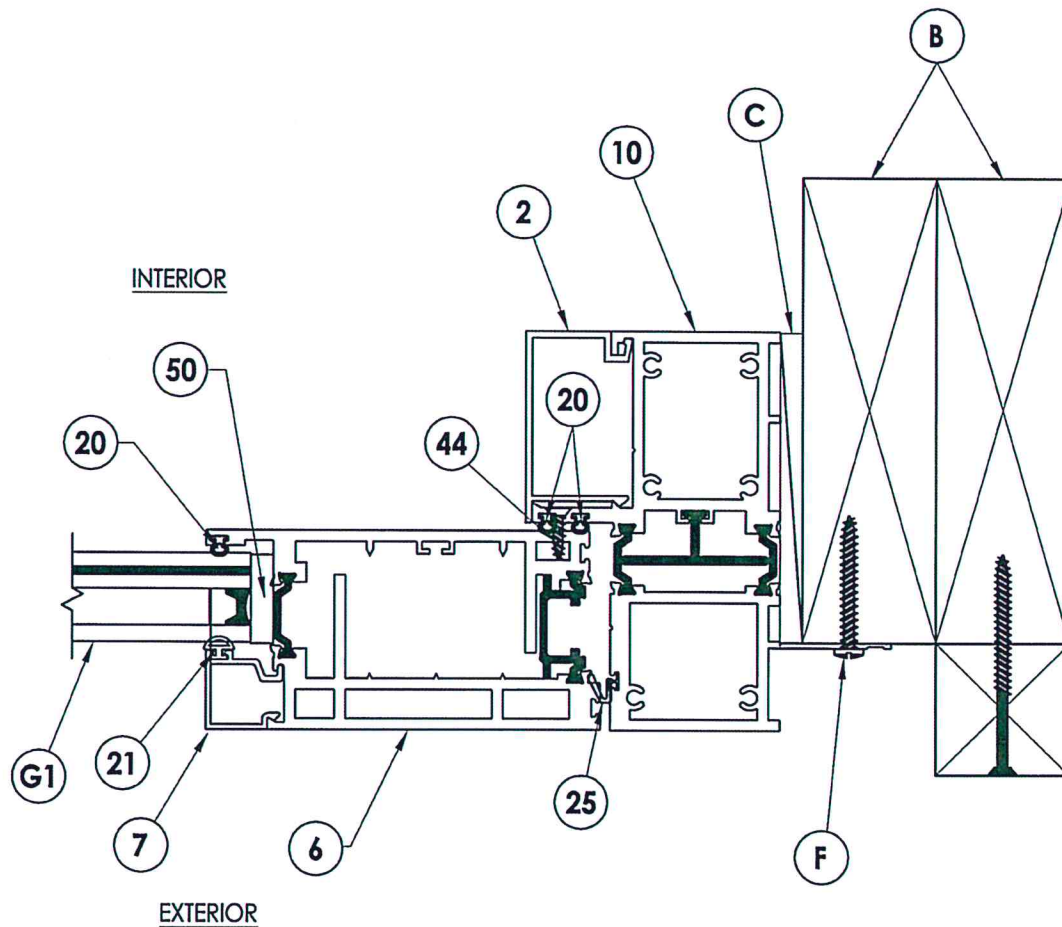
[illegible]



1 **HORIZONTAL CROSS SECTION**
5

Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991350
Date 06/26/2015 Verified by gnd

PRODUCT: FLEETWOOD SPEC. 6, 6A		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
			BY
<div style="border: 2px solid black; padding: 5px; text-align: center;">  BUILDING CONSULTANTS, INC. 813.659.9197 </div>			
DATE: 4/4/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7349			
SHEET 5 OF 17			



Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991350
Date 06/26/2015 Verified by gic

1
6 **HORIZONTAL CROSS SECTION**

PRODUCT:		FLEETWOOD SPEC. 6, 6A		PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	



Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991350
Date 06/26/2015 Verified by gud

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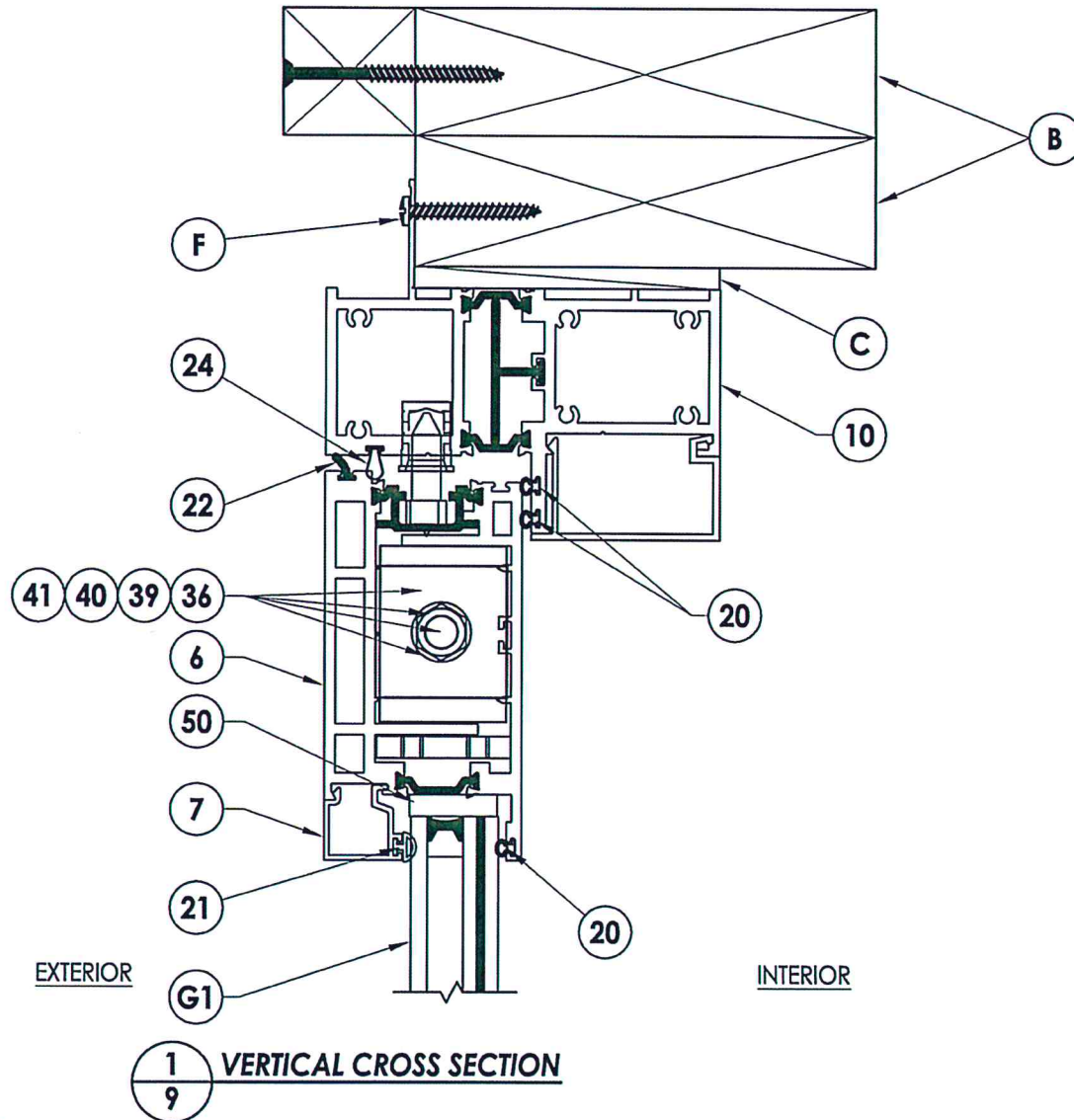


INTERIOR

Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991350
Date 06/26/2015 Verified by QD

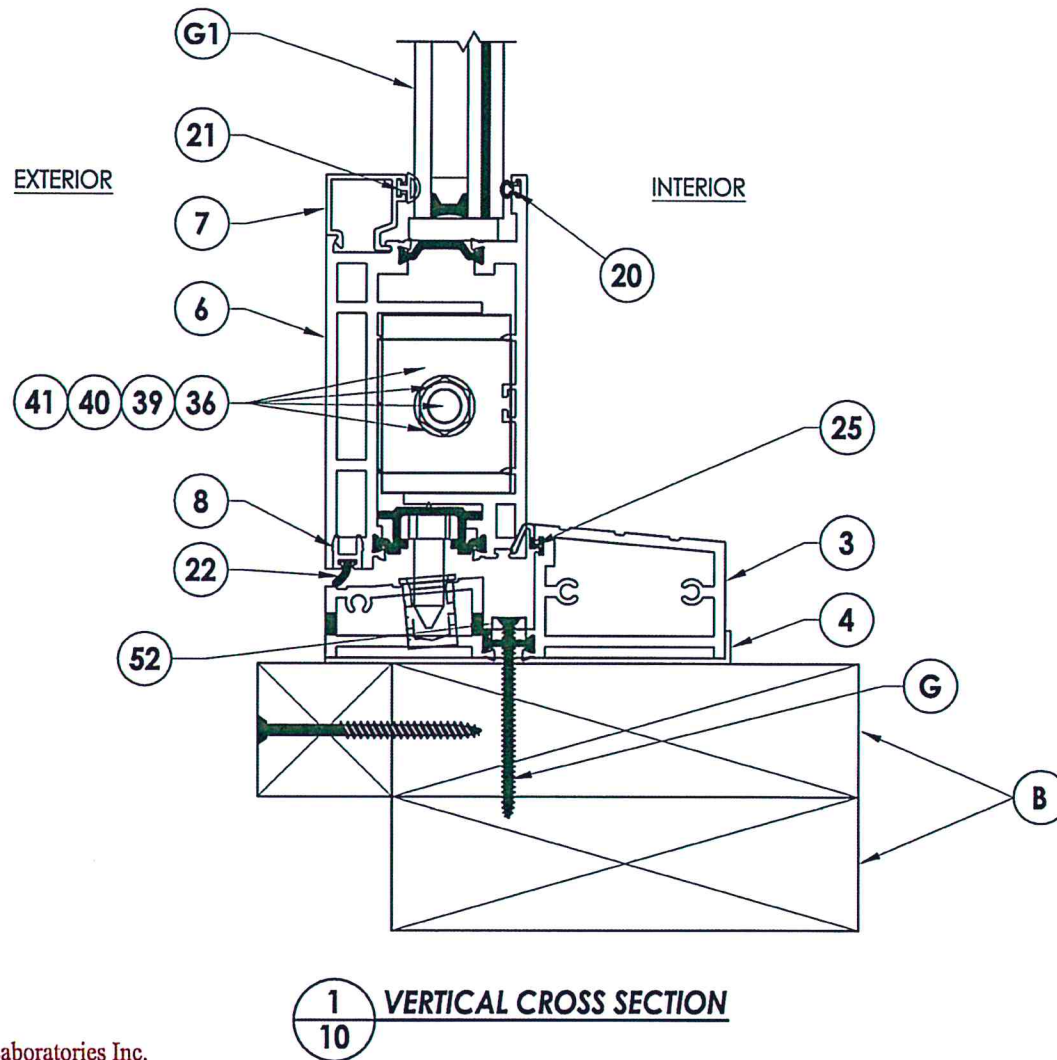
1 VERTICAL CROSS SECTION

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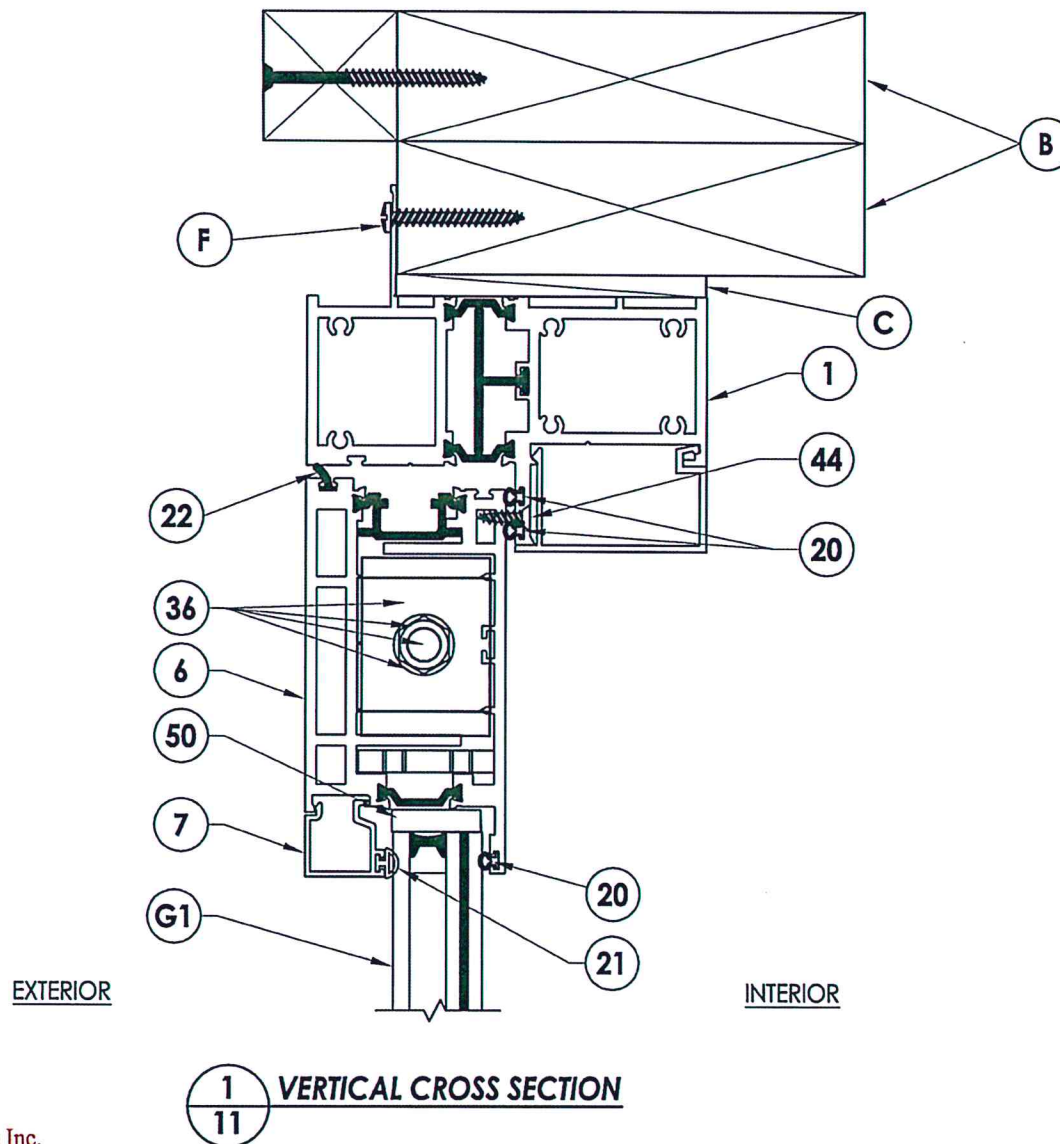
Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991350
Date 06/26/2015 Verified by gld

PRODUCT: FLEETWOOD SPEC. 6, 6A		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
		NO.	DATE
		REVISIONS	BY
<div style="border: 1px solid black; padding: 5px; text-align: center;"> RW BUILDING CONSULTANTS, INC. 813.659.9197 </div>			
DATE: 4/4/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7349			
SHEET 9 OF 17			



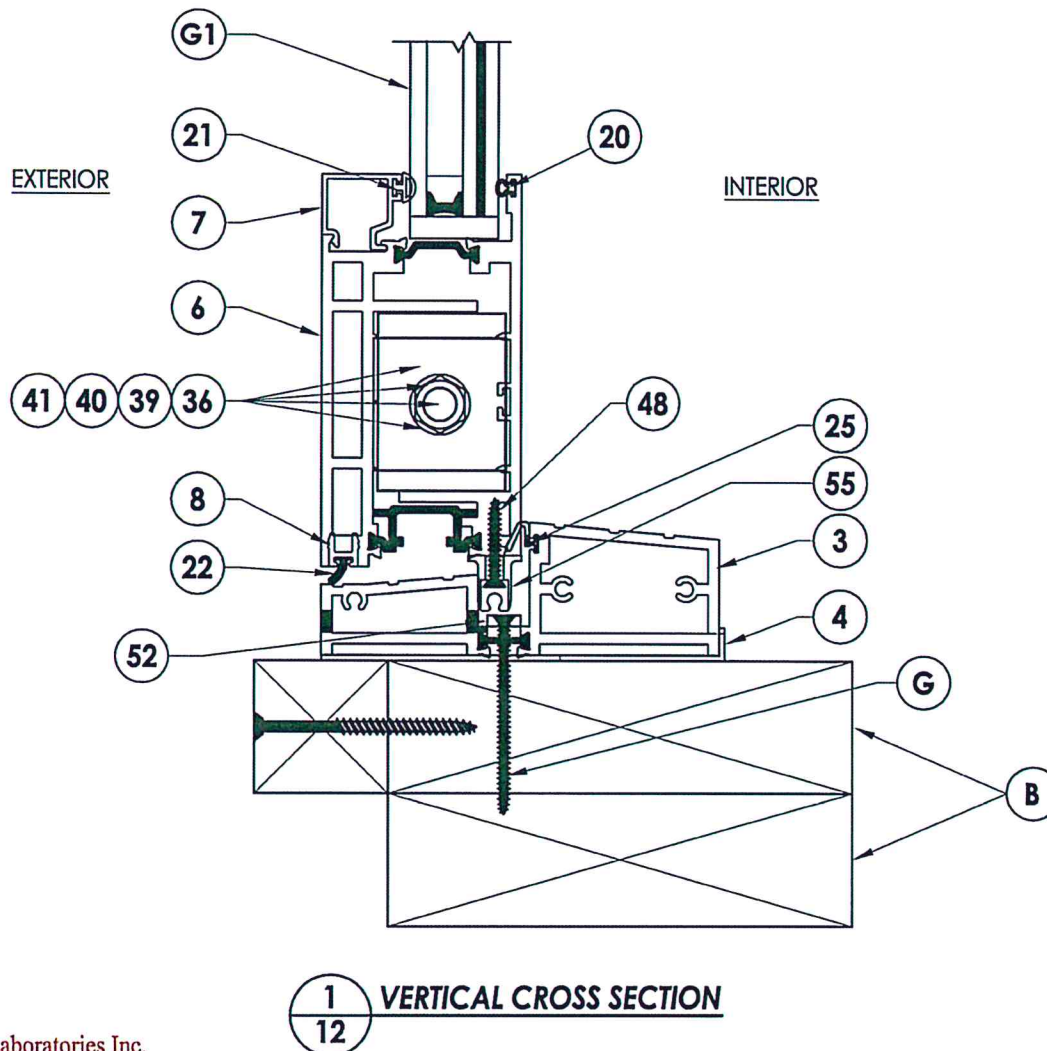
Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991350
Date 06/26/2015 Verified by JD

[illegible]



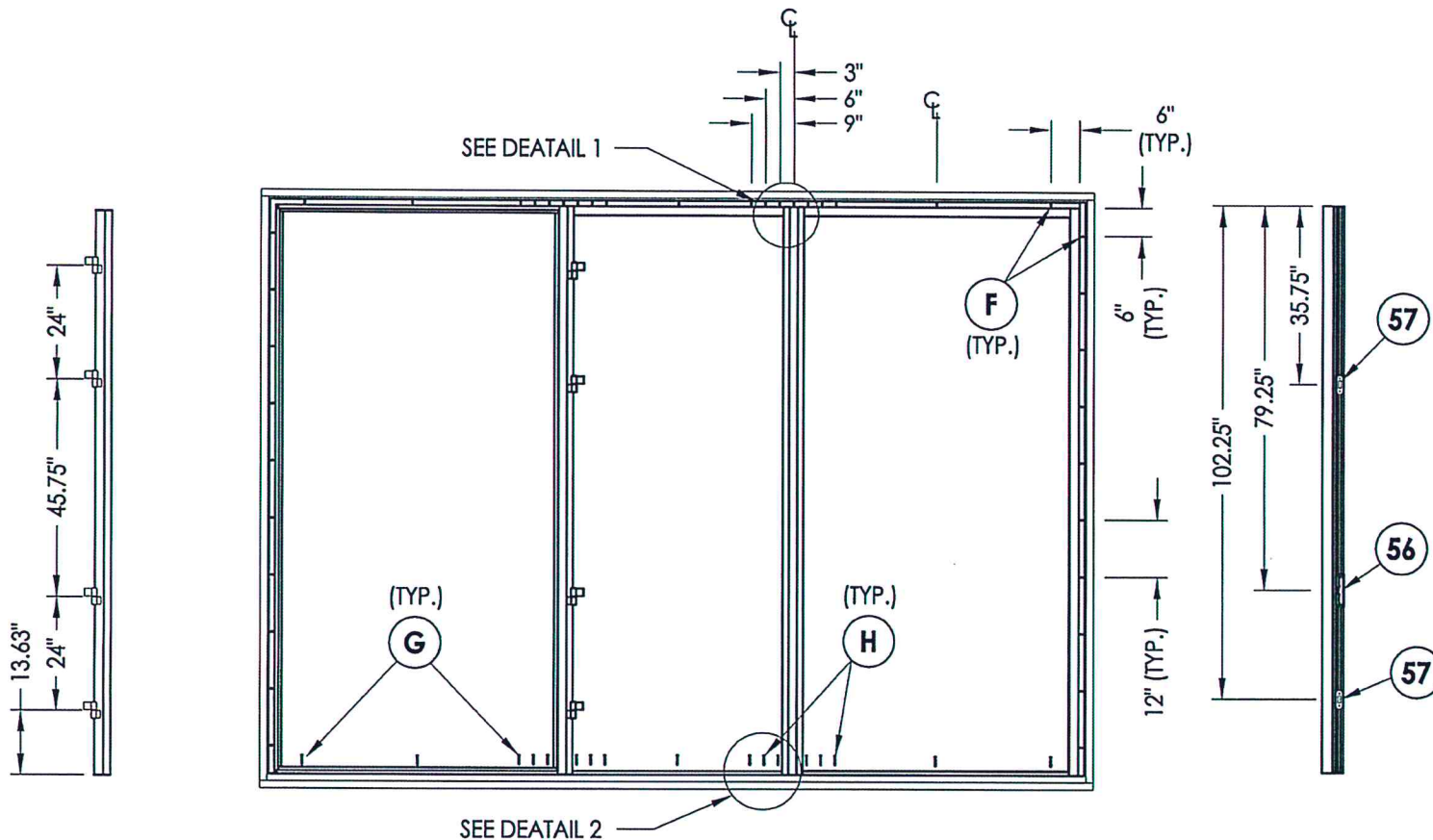
Testing Evaluation Laboratories Inc.
 Specimen Complies with Drawing
 Deviations Noted - TEL# 01991350
 Date 06/26/2015 Verified by *gud*

PRODUCT:		FLEETWOOD SPEC. 6, 6A	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
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Testing Evaluation Laboratories Inc.
 Specimen Complies with Drawing
 Deviations Noted - TEL# 01991350
 Date 06/26/2015 Verified by gjo

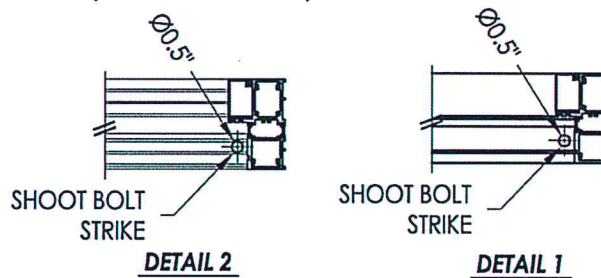
PRODUCT:		FLEETWOOD SPEC. 6, 6A	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
NO.		DATE	
BY		REVISIONS	
1		12	
DATE: 4/4/15		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: L-7349		SHEET 12 OF 17	



HINGE JAMB

FRAME ANCHORING
(2X buck installation)

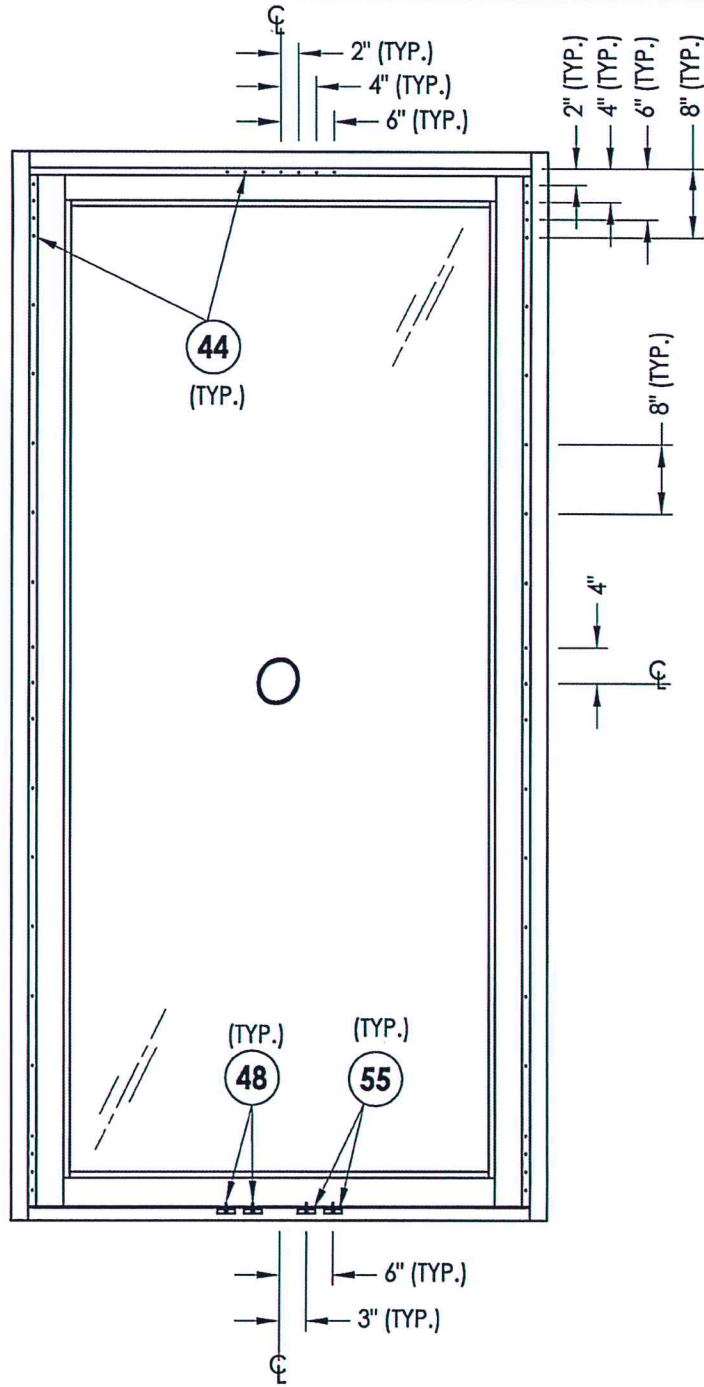
STRIKE JAMB



Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991350
Date 06/26/2015 Verified by gw

PRODUCT: FLEETWOOD SPEC. 6, 6A		PART OR ASSEMBLY: FRAME ANCHORING	
NO.	DATE	REVISIONS	BY
<div style="border: 1px solid black; padding: 5px; text-align: center;"> RW BUILDING CONSULTANTS, INC. 813.659.9197 </div>			
DATE: 4/4/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: L-7349			
SHEET 13 OF 17			

Testing Evaluation Laboratories Inc.
 Specimen Complies with Drawing
 Deviations Noted - TEL# 01991350
 Date 06/26/2015 Verified by gpd



DATE: 4/4/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
 L-7349

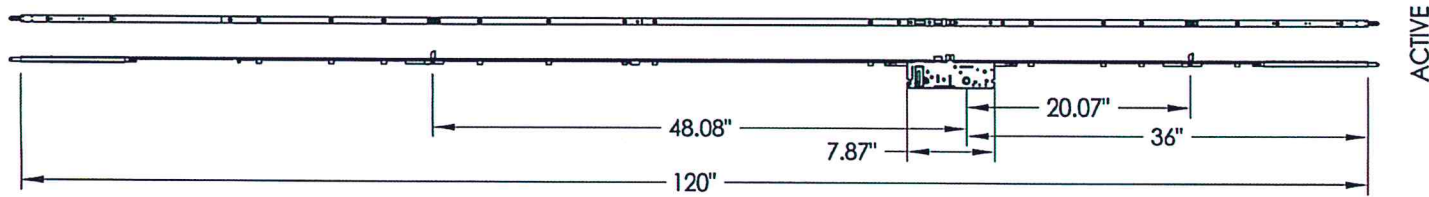
SHEET 14 OF 17

PRODUCT:
 FLEETWOOD
 SPEC. 6, 6A

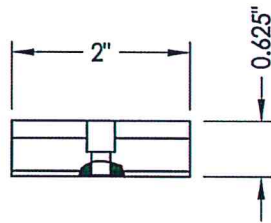
PART OR ASSEMBLY:

SIDELITE PANEL DETAIL

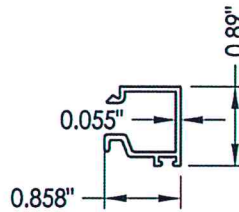
NO.	DATE	REVISIONS	BY



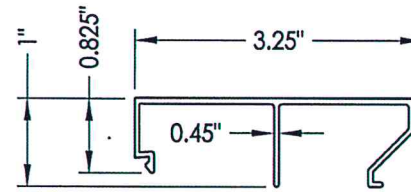
30 MULTI-POINT LOCK
TRUTH



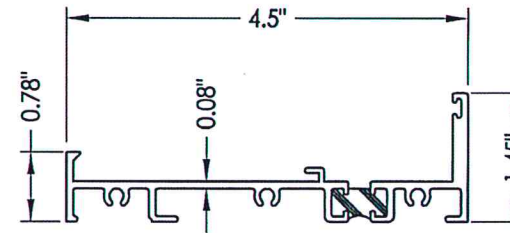
55 FIXED SILL BLOCK



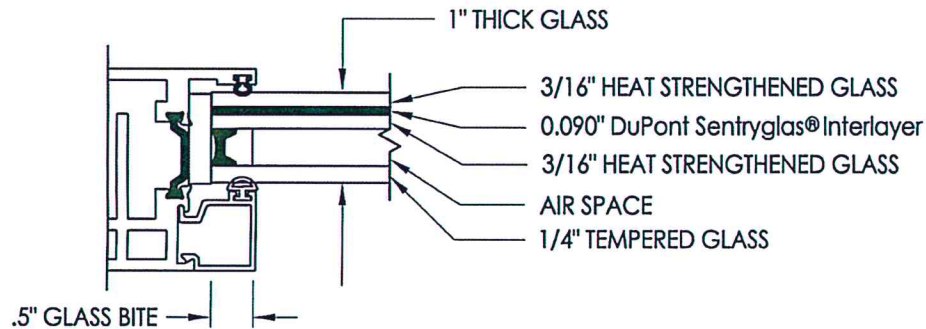
7 1" GLASS STOP



18 KONA 1" GLASS STOP



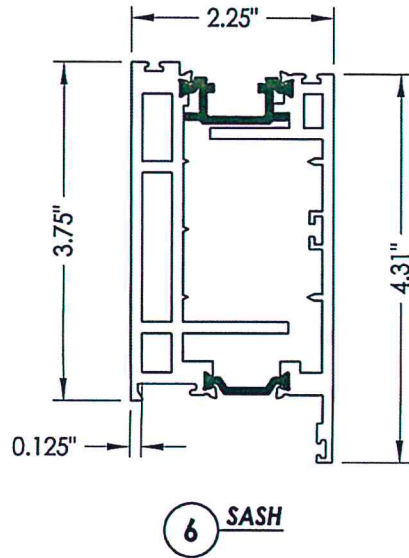
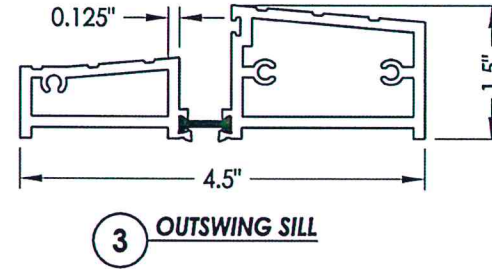
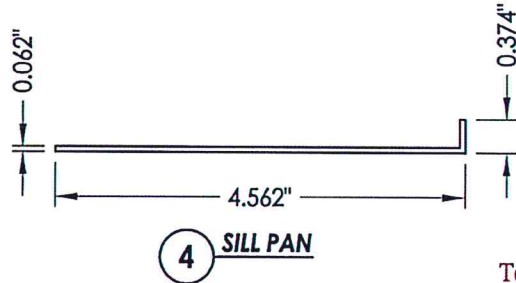
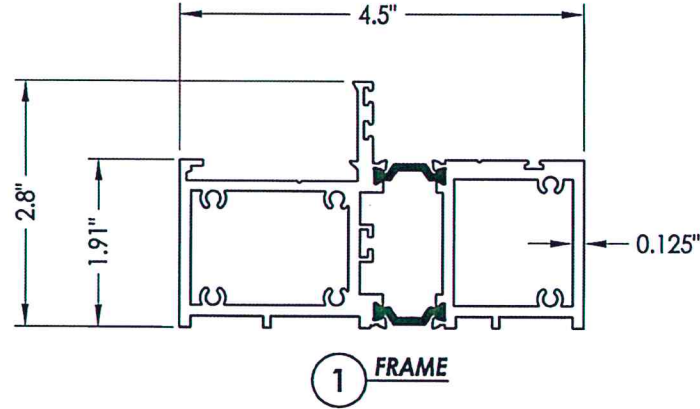
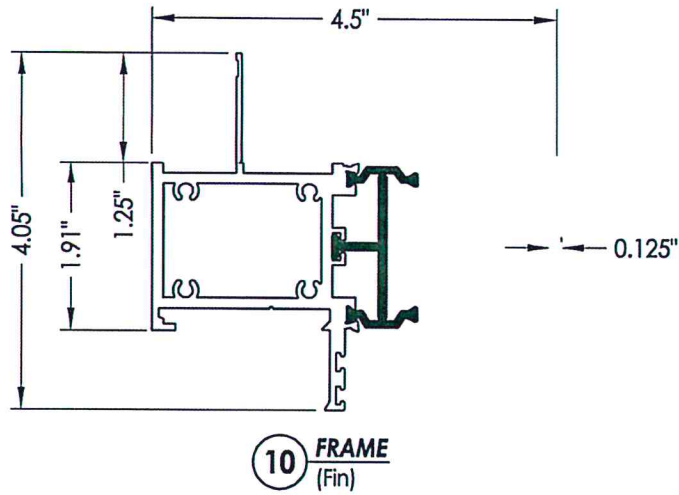
17 KONA FRAME



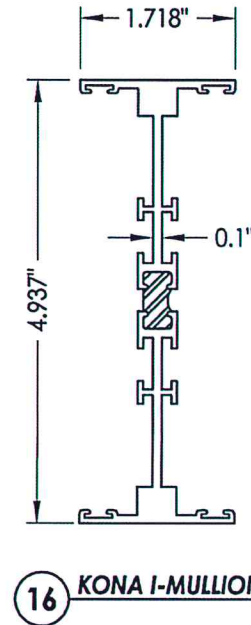
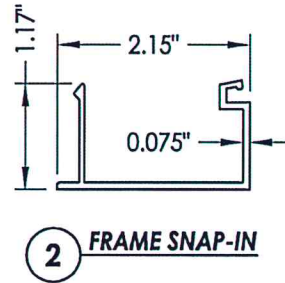
G1 GLAZING DETAIL

Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991350
Date 06/26/2015 Verified by gjd

PRODUCT: FLEETWOOD SPEC. 6, 6A		PART OR ASSEMBLY:		COMPONENTS AND GLAZING DETAIL	
				NO.	DATE
				BY	
				REVISIONS	
<div style="border: 1px solid black; padding: 5px; text-align: center;"> RW BUILDING CONSULTANTS, INC. 813.659.9197 </div>					
DATE: 4/4/15					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: L-7349					
SHEET 15 OF 17					



Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991350
Date 06/26/2015 Verified by gw



PRODUCT: FLEETWOOD SPEC. 6, 6A				PART OR ASSEMBLY: COMPONENTS			
					</		

BILL OF MATERIALS			
ITEM #	DESCRIPTION	PART#	MATERIAL
B	2X BUCK SG >= 0.55	-	WOOD
C	1/4" MAX. SHIM SPACE	-	-
F	#10 x 1-1/2" PFH WOOD SCREW	-	STEEL
G	#8 x 2" PFH WOOD SCREW	-	STEEL
H	#10 x 2" PFH WOOD SCREW	-	STEEL
1	FRAME	3911	6063-T6 ALUM
2	FRAME SNAP-IN	3912	6063-T6 ALUM
3	OUTSWING SILL	3202	6063-T6 ALUM
4	SILL PAN	-	SHEET METAL (ALUMINUM)
6	SASH	3902	6063-T6 ALUM
7	1" GLASS STOP	3907	6063-T6 ALUM
8	ATLANTIC SEAL CLIP	3916	6063-T6 ALUM
10	FRAME (FIN)	3911	6063-T6 ALUM
16	KONA I-MULLION	3082	6063-T6 ALUM
17	KONA FRAME	3805	6063-T6 ALUM
18	KONA 1" GLASS STOP	3801	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
26	Q-LON FOAM SEAL	19120	SCHLEGEL CORP., # U 5212
30	LOCKING HARDWARE (5 point lock)	-	TRUTH
31	BUTT HINGE	-	SAVIO
32	BACK UP KIT	20535	SAVIO
33	HINGE BOLT, 8M X 48MM (FOR PANEL)	25026	SAVIO
36	BACK UP PLATE FOR CORNER BLOCK	25025	-
37	MACHINE SCREW NO 10-32, FHP 1.125"	25074	STAINLESS STEEL
38	MACHINE SCREW NO 10-32, FHP .75"	25073	STAINLESS STEEL
39	HEX HEAD CAP SCREW .375-16, 2.250"	25175	STAINLESS STEEL
40	.375-16 SS. HEX NUT	25023	STAINLESS STEEL
41	.375 SPLIT LOCK WASHER	25024	STAINLESS STEEL
44	#8 x 1/2" PFH SMS	-	STEEL
47	#10 x 2-1/2" PFH SMS	-	STEEL
48	#8 x 1" PFH SMS	-	STEEL
49	#10 x 3" PFH SMS	-	STEEL
50	4" LONG SETTING BLOCK	18620	-
52	ANCHOR BLOCK	-	6063-T6 ALUM
55	FIXED SILL BLOCK	-	6063-T6 ALUM
56	LATCH AND DEADBOLT STRIKE PLATE	-	-
57	STRIKE PLATE	-	-

Testing Evaluation Laboratories Inc.
Specimen Complies with Drawing
Deviations Noted - TEL# 01991350
Date 06/26/2015 Verified by gwd

[illegible]