Testing Evaluation Laboratories, Inc.

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

TEST RESULTS

Report No: TEL 01991009
Test Dates: January 16. 2014 through February 6, 2014
Report Date: March 21, 2014

Dade Lab Certification Number: 11-1213.01
Test Notification Number: TEL 13-012

Issued to:

Fleetwood Windows and Doors
One Fleetwood Way
Corona, CA 92879

Project Summary: Testing Evaluation Laboratories, Inc. (TEL) was contracted by Fleetwood Windows and Doors to perform tests on the Norwood 3070 Sliding Glass/Pocket Door 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:	**Norwood 3070 Sliding Glass/Pocket Door**
Type:	**Aluminum Sliding Glass Doors**
Overall Size:	**144.00" x 144.00" – All Specimens**
Daylight Opening:	**43.50" x 135.50" – All Specimens (End Panels)** **43.38" x 135.50" – All Specimens (Center Panels)**
Glazing Detail:	**Laminated Monolithic Glass - (All Specimens)** **(See attached drawing for 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 #L-7110 and #L-7111.

SEQUENCE OF TESTS PERFORMED:

STRUCTURAL TESTS (TAS 202)

Specimen 1 – 144.0" x 144.0" Aluminum Sliding Glass Door (OXX)

Design Pressure **Positive 55.0** **Negative 60.0**

Air Infiltration (ASTM E283-04)	Pressure	SCFM/Ft^2	Result
	1.57 PSF	0.197	Pass

Structural Loads (ASTM E330-02)

Range	Time (sec)	Load (psf)
Half Test Positive	30	27.50
Design Positive	30	55.00
Half Test Negative	30	30.00
Design Negative	30	60.00

Water Infiltration (ASTM E331-00)	Pressure	Time	Result
	8.25 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	41.25				
Test Positive	30	82.50	1	1.816"	0.009"	0.565"
			2	0.457"	0.009"	0.565'
Half Proof Negative	10	45.00				
Test Negative	30	90.00	1	1.891"	0.013"	0.565"
			2	0.369"	0.009"	0.565"

Deflection Locations:

Location 1 – Center of Meeting Stiles – Active/Inactive Panels
Location 2 – Center of Meeting Stiles –Active Panels

Forced Entry

ASTM F842	Type "A: Assembly	Passed

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.

Jarrett Wright and James Hayhurst, Test Technicians

SEQUENCE OF TESTS PERFORMED:

STRUCTURAL TESTS (TAS 202)

Specimen 2 – 144.0" x 144.0" Aluminum Sliding Glass Door (XXX) (Tested with Pocket Interlocker)

Design Pressure **Positive 55.0** **Negative 60.0**

	Pressure	SCFM/Ft^2	Result
Air Infiltration (ASTM E283-04)	1.57 PSF	0.022	Pass

Structural Loads (ASTM E330-02)

Range	Time (sec)	Load (psf)
Half Test Positive	30	27.50
Design Positive	30	55.00
Half Test Negative	30	30.00
Design Negative	30	60.00

	Pressure	Time	Result
Water Infiltration (ASTM E331-00)	8.25 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	41.25				
Test Positive	30	82.50	1	1.467"	0.016"	0.565"
Half Proof Negative	10	45.00				
Test Negative	30	90.00	1	1.718"	0.027"	0.565"

Deflection Locations:

Location 1 – Center of Meeting Stiles –Active Panels

Forced Entry

ASTM F842	Type "A: Assembly	Passed

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.

Jarrett Wright and James Hayhurst, Test Technicians

IMPACT AND CYCLING TESTS (TAS 201/203)

Specimen 3 – 144.0" x 144.0" Aluminum Sliding Glass Door (OXX)

TAS 201 and 203 – 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, 3 oz	8'-0"	17'0"

Impact Location	Results	X - Measurement	Y - Measurement	Speed
1	Pass	133.0"	9.0"	49.8 fps
2	Pass	118.0"	72.0"	49.8 fps
3	Pass	95.0"	72.0"	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 and 203– Fatigue Load Cycling **Design Pressure +60.0 psf / -60.0 psf**

Positive % of Test Load	Positive Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
20% to 50%	12.0 to 30.0	3500	1.97
0% to 60%	0.0 to 36.0	300	2.52
50% to 80%	30.0 to 48.0	600	1.36
30% to 100%*	18.0 to 60.0	100	3.00

Negative % of Test Load	Negative Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
30% to 100%*	18.0 to 60.0	50	2.87
50% to 80%	30.0 to 48.0	1050	2.03
0% to 60%	0.0 to 36.0	50	2.92
20% to 50%	12.0 to 30.0	3350	1.50
*Panel deflected 3.75" 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.			

Jarrett Wright and James Hayhurst, Test Technicians Mfg Observers – Joe Zammitt

IMPACT AND CYCLING TESTS (TAS 201/203)

Specimen 4 – 144.0" x 144.0" Aluminum Sliding Glass Door (OXX)

TAS 201 and 203 – Large Missile Impact (2 x 4 Southern Yellow Pine)

Cond. Temp Of Specimen	Missile Level	Missile Weight	Missile Length	Muzzle Distance From Specimen
76°F	D	9.0 lbs, 3 oz	8'-0"	17'0"

Impact Location	Results	X - Measurement	Y - Measurement	Speed
1	Pass	133.25"	8.75"	50.1 fps
2	Pass	118.25"	71.75"	50.2 fps
3	Pass	94.75"	72.0"	49.8 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 and 203– Fatigue Load Cycling **Design Pressure +60.0 psf / -60.0 psf**

Positive % of Test Load	Positive Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
20% to 50%	12.0 to 30.0	3500	2.58
0% to 60%	0.0 to 36.0	300	2.86
50% to 80%	30.0 to 48.0	600	2.01
30% to 100%*	18.0 to 60.0	100	2.75

Negative % of Test Load	Negative Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
30% to 100%*	18.0 to 60.0	50	2.98
50% to 80%	30.0 to 48.0	1050	1.48
0% to 60%	0.0 to 36.0	50	2.51
20% to 50%	12.0 to 30.0	3350	1.96
*Panel deflected 4.00" from original plane at 100% Positive load and 4.50" 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.			

Jarrett Wright and James Hayhurst, Test Technicians Mfg Observers – Joe Zammitt

IMPACT AND CYCLING TESTS (TAS 201/203)

Specimen 5 – 144.0" x 144.0" Aluminum Sliding Glass Door (OXX)

TAS 201 and 203 – Large Missile Impact (2 x 4 Southern Yellow Pine)

Cond. Temp Of Specimen	Missile Level	Missile Weight	Missile Length	Muzzle Distance From Specimen
76°F	D	9.0 lbs, 3 oz	8'-0"	17'0"

Impact Location	Results	X - Measurement	Y - Measurement	Speed
1	Pass	27.0"	72.0"	50.2 fps
2	Pass	12.0"	131.0"	49.9 fps
3	Pass	117.0"	131.0"	50.0 fps
4	Pass	132.0"	73.0"	49.7 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 and 203– Fatigue Load Cycling **Design Pressure +60.0 psf / -60.0 psf**

Positive % of Test Load	Positive Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
20% to 50%	12.0 to 30.0	3500	1.89
0% to 60%	0.0 to 36.0	300	2.52
50% to 80%	30.0 to 48.0	600	2.92
30% to 100%*	18.0 to 60.0	100	3.00

Negative % of Test Load	Negative Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
30% to 100%*	18.0 to 60.0	50	3.00
50% to 80%	30.0 to 48.0	1050	1.57
0% to 60%	0.0 to 36.0	50	2.81
20% to 50%	12.0 to 30.0	3350	1.93
*Panel deflected 3.38" from original plane at 100% Positive load and 4.25" 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.			

Jarrett Wright and James Hayhurst, Test Technicians Mfg Observers – Joe Zammitt

IMPACT AND CYCLING TESTS (TAS 201/203)

Specimen 6 – 144.0" x 144.0" Aluminum Sliding Glass Door (XXX) (Tested with Pocket Interlocker)

TAS 201 and 203 – 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, 3 oz	8'-0"	17'0"

Impact Location	Results	X - Measurement	Y - Measurement	Speed
1	Pass	95.0"	72.0"	50.0 fps
2	Pass	133.0"	11.0"	49.8 fps
3	Pass	117.0"	72.0"	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 and 203– Fatigue Load Cycling **Design Pressure +60.0 psf / -60.0 psf**

Positive % of Test Load	Positive Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
20% to 50%	12.0 to 30.0	3500	2.17
0% to 60%	0.0 to 36.0	300	2.01
50% to 80%	30.0 to 48.0	600	2.89
30% to 100%*	18.0 to 60.0	100	2.32

Negative % of Test Load	Negative Pressure Range (psf)	Number Of Cycles	Average Cycle Time (Sec)
30% to 100%*	18.0 to 60.0	50	2.04
50% to 80%	30.0 to 48.0	1050	2.14
0% to 60%	0.0 to 36.0	50	2.42
20% to 50%	12.0 to 30.0	3350	2.01
*Panel deflected 2.63" 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.			

Jarrett Wright and James Hayhurst, Test Technicians Mfg Observers – Joe Zammitt

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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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 Shelton
3/21/2014

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

Revision Log

Rev No.	Date	Page(s)	Revision(s)
0	3/21/2014	NA	Original Report Issue

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Testing Evaluation Laboratories Inc
Specimen Complies with Drawing
Deviations Noted - TEL # 01991909
Date 3/21/14 Verified by

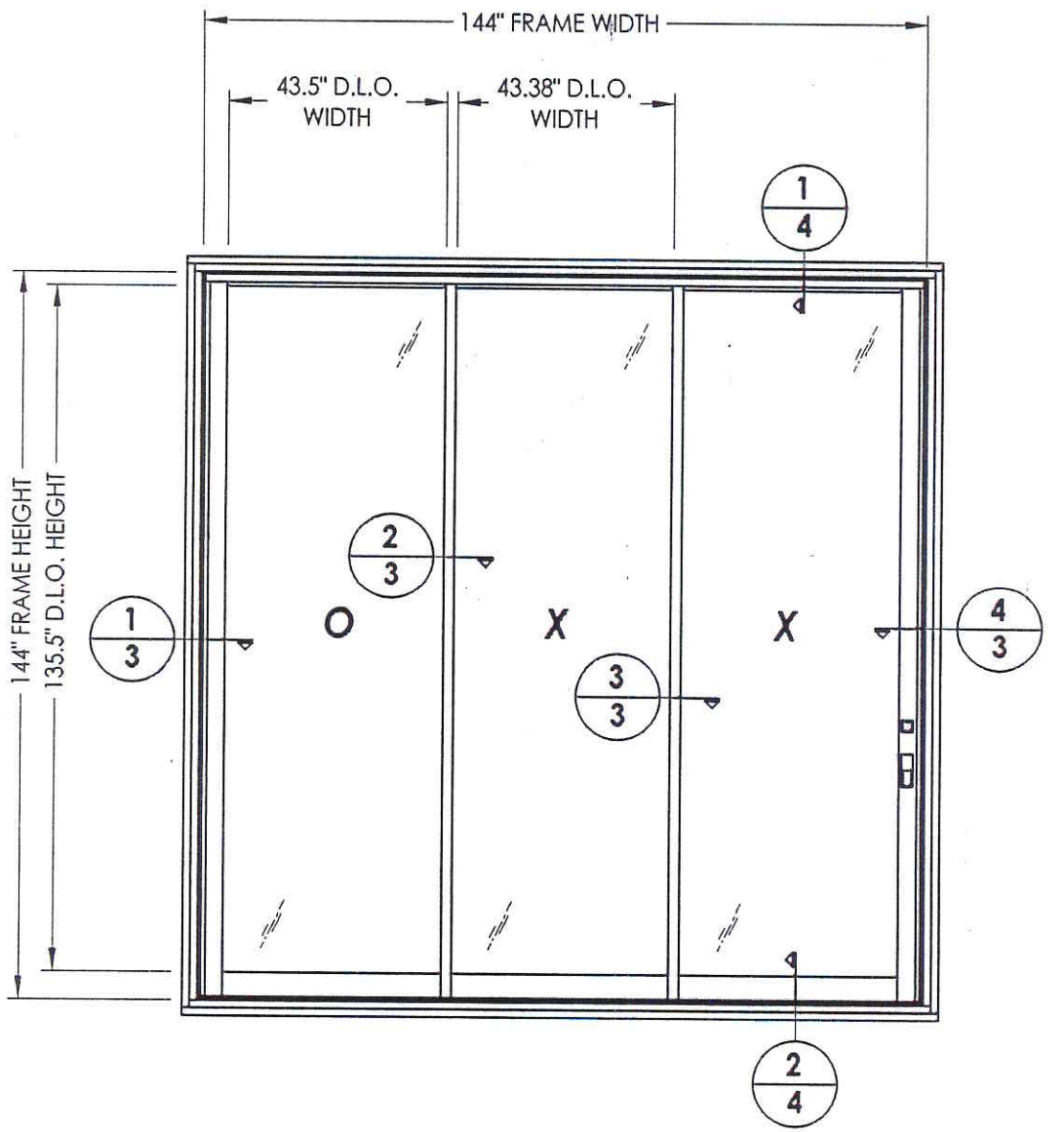
PRODUCT: FLEETWOOD Norwood 3070 (OXX)

PART OR ASSEMBLY: TABLE OF CONTENTS

NO.	DATE	BY	REVISIONS

RW BUILDING CONSULTANTS, INC.
813.659.9197

DATE: 1/21/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: L-7110
SHEET 1 OF 7



Testing Evaluation Laboratories Inc
Specimen Complies with Drawing
Deviations Noted TEL # 0199009
Date 3/21/14 Verified by

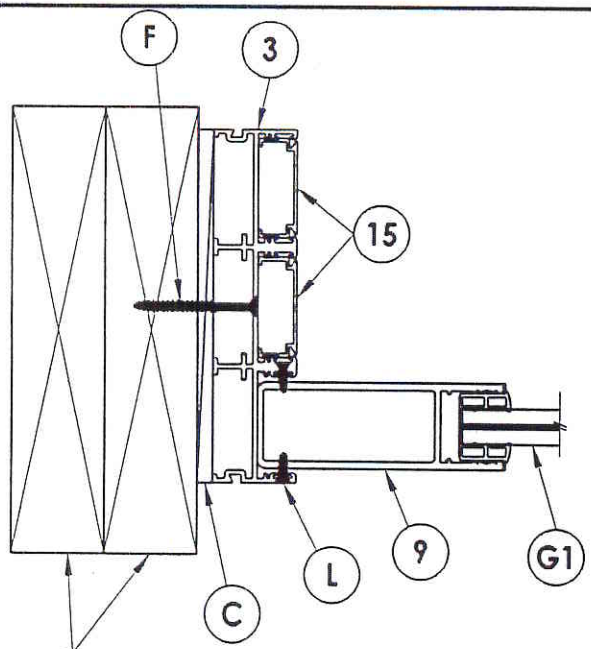
PRODUCT: FLEETWOOD Norwood 3070 (OXX)

PART OR ASSEMBLY: TEST ELEVATION

NO.	DATE	BY	REVISIONS

RW BUILDING CONSULTANTS, INC.
813.659.9197

DATE: 1/21/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: L-7110
SHEET 2 OF 7



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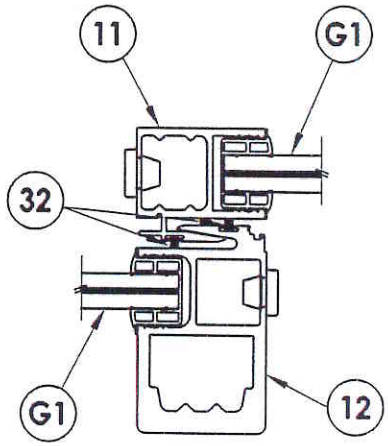

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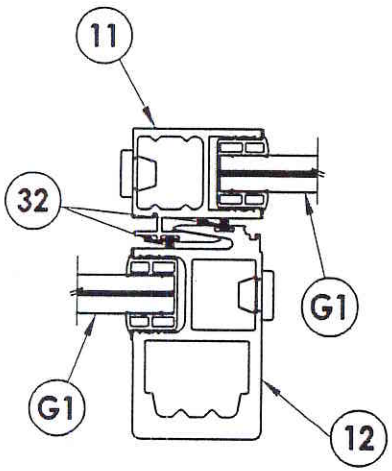

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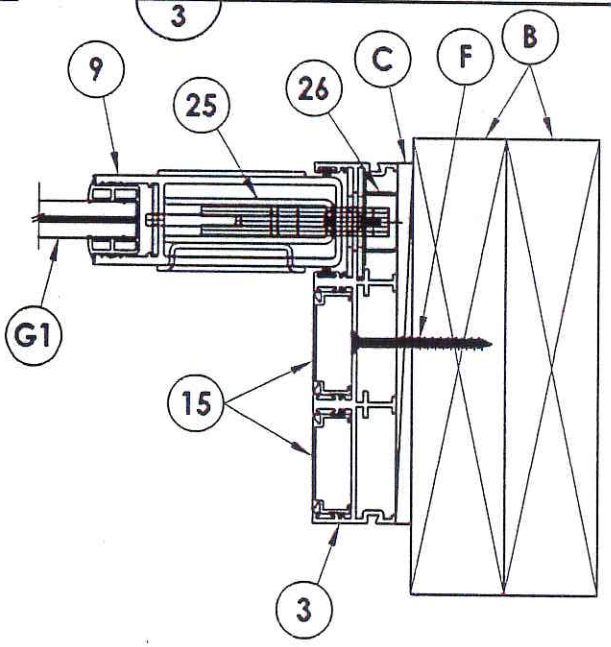


4/3 HORIZONTAL CROSS SECTION

Testing Evaluation Laboratories Inc
Specimen Complies with Drawing
Deviations Noted - TEL # 0199.1009
Date 3/21/14 Verified by

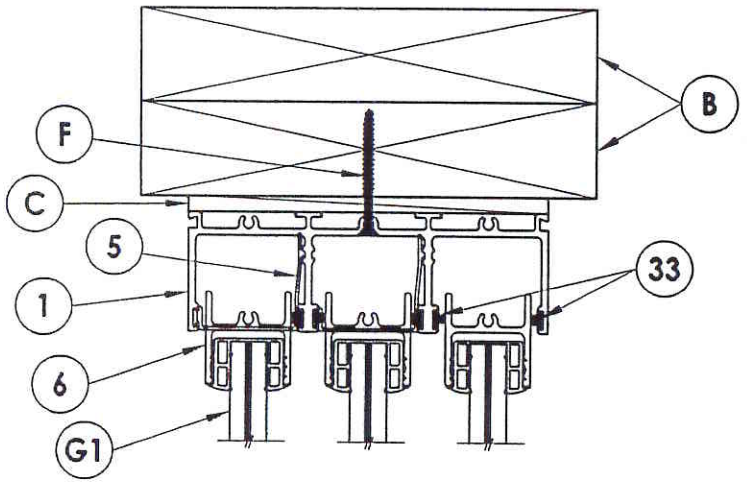
PRODUCT: FLEETWOOD Norwood 3070 (OXX)

PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS

RW BUILDING CONSULTANTS, INC.
813.659.9197

DATE: 1/21/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: L-7110
SHEET 3 OF 7



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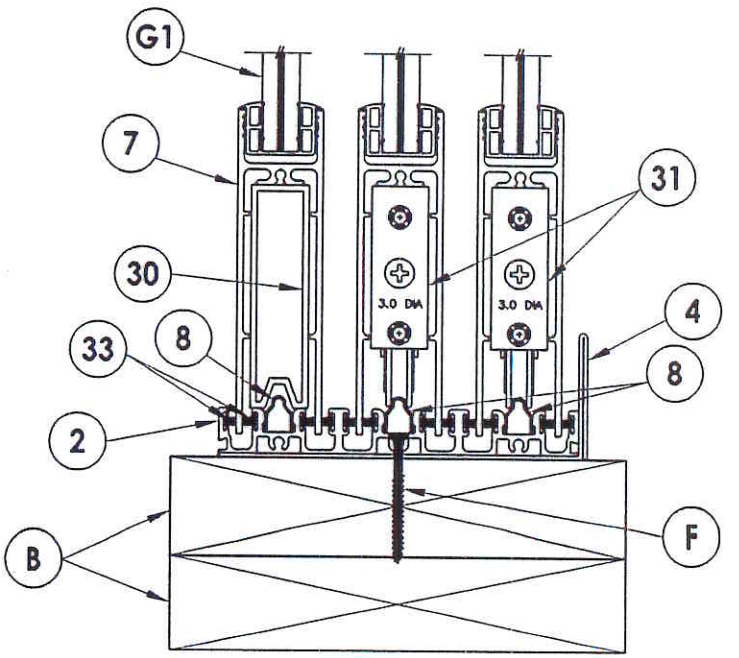


2/4 VERTICAL CROSS SECTION

Testing Evaluation Laboratories Inc
Specimen Complies with Drawing
Deviations Noted - TEL # 01991009
Date 3/31/14 Verified by

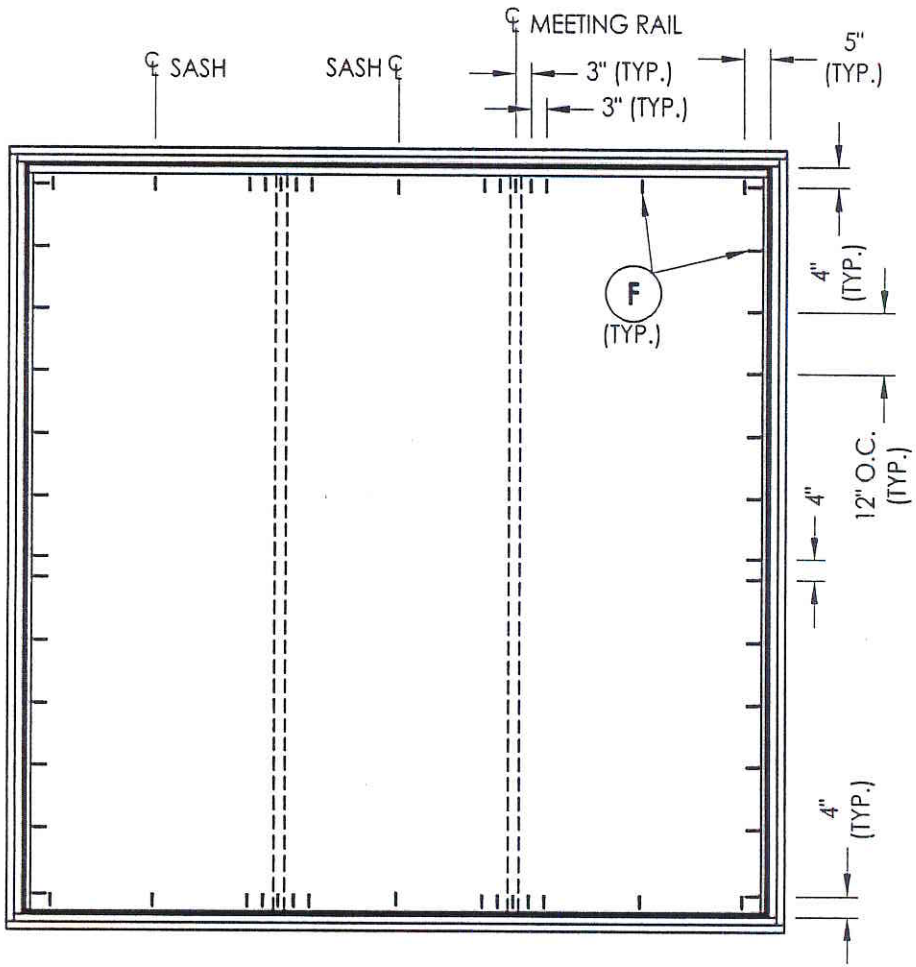
PRODUCT: FLEETWOOD Norwood 3070 (OXX)

PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS	BY

RW BUILDING CONSULTANTS, INC.
813.659.9197

DATE: 1/21/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: L-7110
SHEET 4 OF 7



FRAME ANCHORING
2X buck construction

Testing Evaluation Laboratories Inc
Specimen Complies with Drawing
Deviations Noted, TEL # 0199.1009
Date 3/21/14 Verified by JKuc

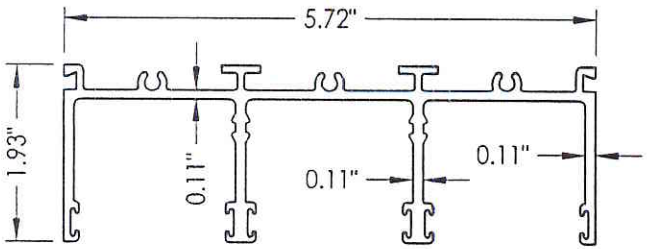
PRODUCT: FLEETWOOD Norwood 3070 (OXX)

PART OR ASSEMBLY: FRAME ANCHORING

NO.	DATE	REVISIONS	BY

RW BUILDING CONSULTANTS, INC.
813.659.9197

DATE: 1/21/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: L-7110
SHEET 5 OF 7



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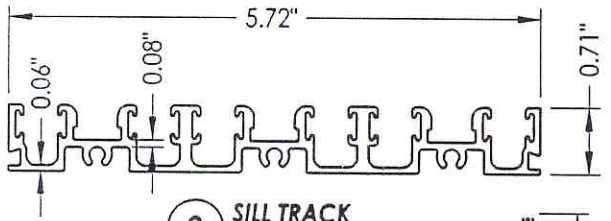

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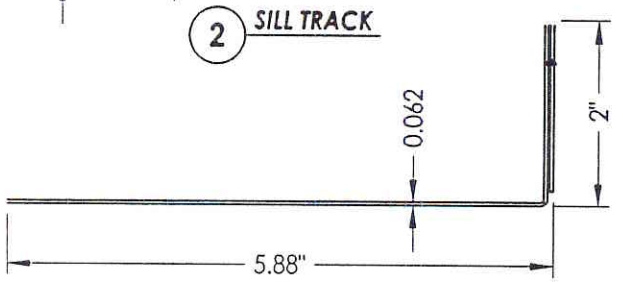

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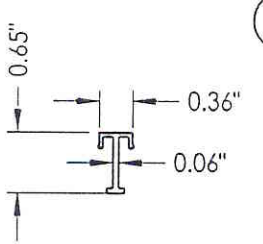
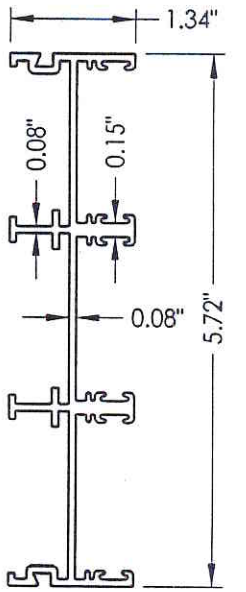


10 SILL CHANNEL FILLER

Testing Evaluation Laboratories Inc
Specimen Complies with Drawing
Deviations Noted - TEL # 0199 1909
Date 3/21/14 Verified by Dlw



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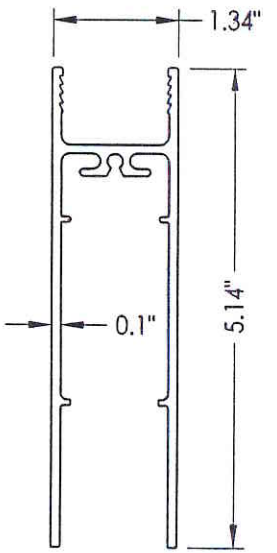
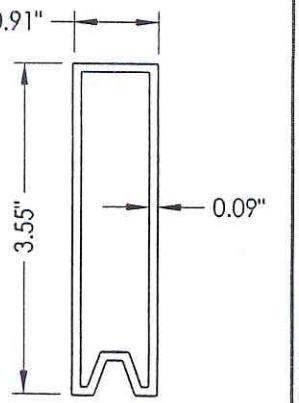
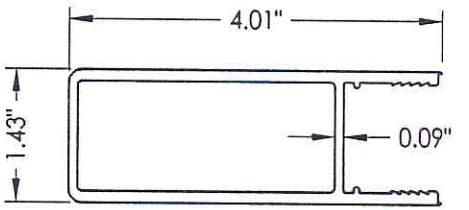


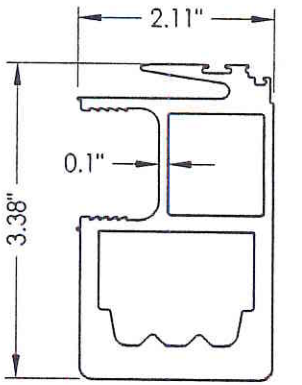
7 BOTTOM RAIL



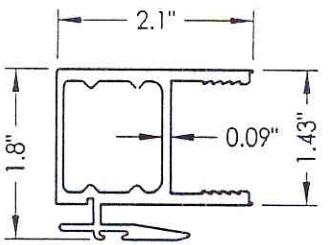
30 PANEL SETTING BLOCK



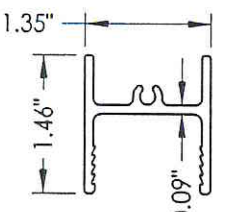
9 STILE



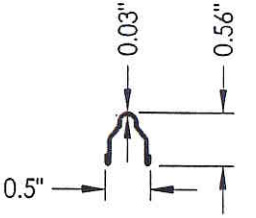
12 INTERLOCK STILE
High Performance



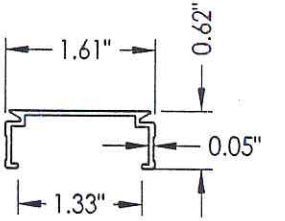
11 INTERLOCK STILE
Standard



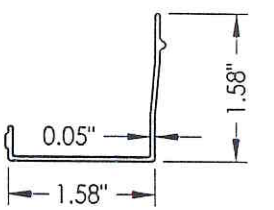
6 TOP RAIL



8 TRACK



15 JAMB CHANNEL FILLER



5 HEAD CHANNEL FILLER

PRODUCT: FLEETWOOD Norwood 3070 (OXX)

PART OR ASSEMBLY: COMPONENTS

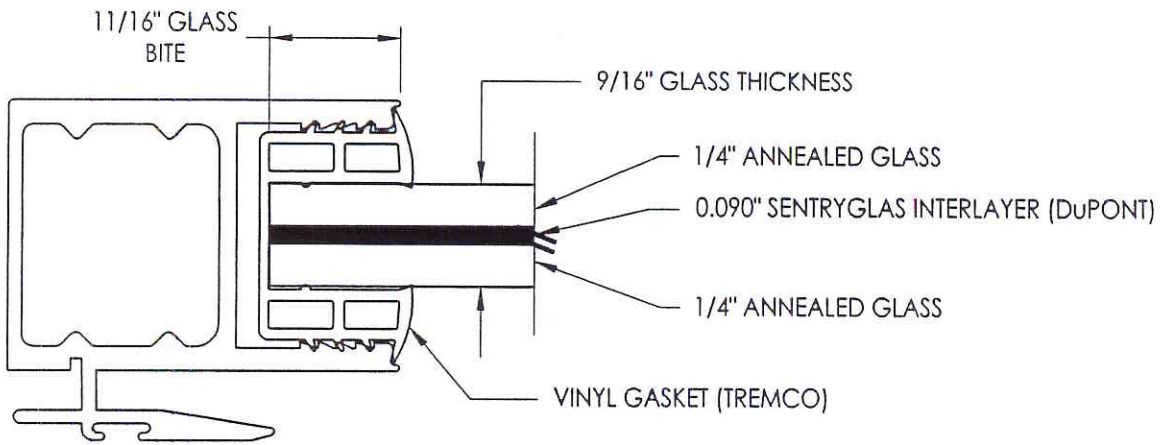
NO.	DATE	BY	REVISIONS

RW BUILDING CONSULTANTS, INC.
813.659.9197

DATE: 1/21/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: L-7110
SHEET 6 OF 7

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
F	#10 X 2" PFH SMS	STEEL
L	#8 X 1/2" PFH SMS	STEEL
1	HEAD TRACK (3 RUNS)	6063-T6 ALUM
2	SILL TRACK (3 RUNS)	6063-T6 ALUM
3	JAMB TRACK (3 RUNS)	6063-T6 ALUM
4	SILL PAN (TRIPLE RUN)	5052 -ALUM
5	HEAD CHANNEL FILLER	6063-T6 ALUM
6	TOP RAIL	6063-T6 ALUM
7	BOTTOM RAIL	6063-T6 ALUM
8	TRACK	S.S.
9	STILE	6063-T6 ALUM
10	SILL CHANNEL FILLER	6063-T6 ALUM
11	STANDARD INTERLOCK STILE	6063-T6 ALUM
12	HIGH PERFORMANCE INTERLOCK STILE	6063-T6 ALUM
15	JAMB CHANNEL FILLER	6063-T6 ALUM
25	LATCH ASSY.(JAMB)	-
26	STRIKE PLATE ASSY.(JAMB)	-
30	PANEL SETTING BLOCK	6063-T6 ALUM
31	MAMMOTH ROLLER ASSEMBLY	-
32	CENTER-FIN WEATHERSEAL .290" HIGH PILE (AMESBURY 43629-270)	-
33	HEAVY DENSITY WEATHERSEAL .300" HIGH PILE (AMESBURY 413330-270)	-

Testing Evaluation Laboratories Inc
Specimen Complies with Drawing
Deviations Noted TEL # 0199.1009
Date 3/21/14 Verified by



G1 GLAZING DETAIL

PRODUCT: FLEETWOOD Norwood 3070 (OXX)

PART OR ASSEMBLY: BILL OF MATERIALS AND GLAZING DETAIL

NO.	DATE	REVISIONS	BY

RW BUILDING CONSULTANTS, INC.
813.659.9197

DATE: 1/21/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: L-7110
SHEET 7 OF 7

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

Testing Evaluation Laboratories Inc
Specimen Complies with Drawing
Deviations Noted - TEL #0199.1009
Date 3/21/14 Verified by

PRODUCT: FLEETWOOD Norwood 3070 (XXX)

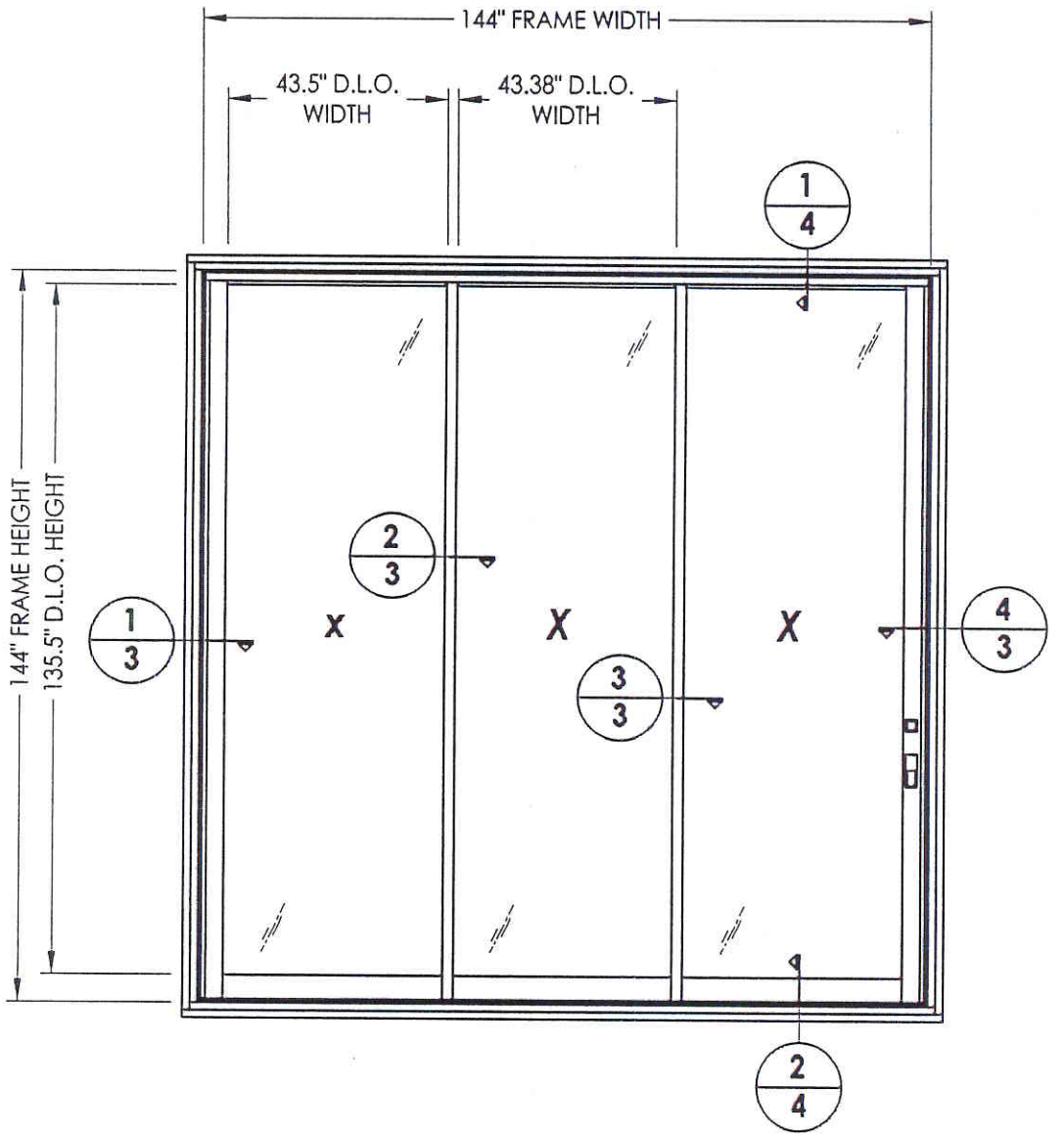
PART OR ASSEMBLY: TABLE OF CONTENTS

NO.	DATE	BY

REVISIONS

RW BUILDING CONSULTANTS, INC.
813.659.9197

DATE: 1/21/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: L-7111
SHEET 1 OF 7



Testing Evaluation Laboratories Inc
Specimen Complies with Drawing
Deviations Noted - TEL # 0799.1009
Date 3/31/14 Verified by SHW

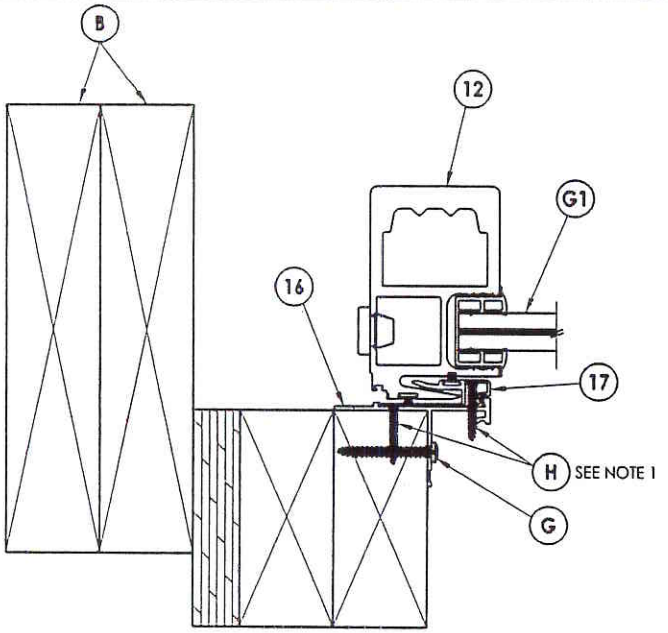
PRODUCT: FLEETWOOD Norwood 3070 (XXX)

PART OR ASSEMBLY: TEST ELEVATION

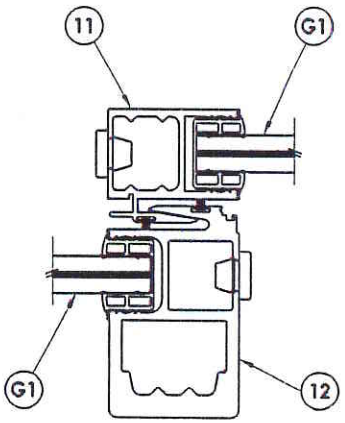
NO.	DATE	REVISIONS	BY

RW BUILDING CONSULTANTS, INC.
813.659.9197

DATE: 1/21/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: L-7111
SHEET 2 OF 7



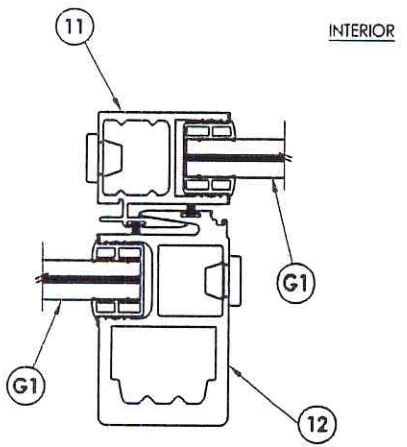
1/3 HORIZONTAL CROSS SECTION



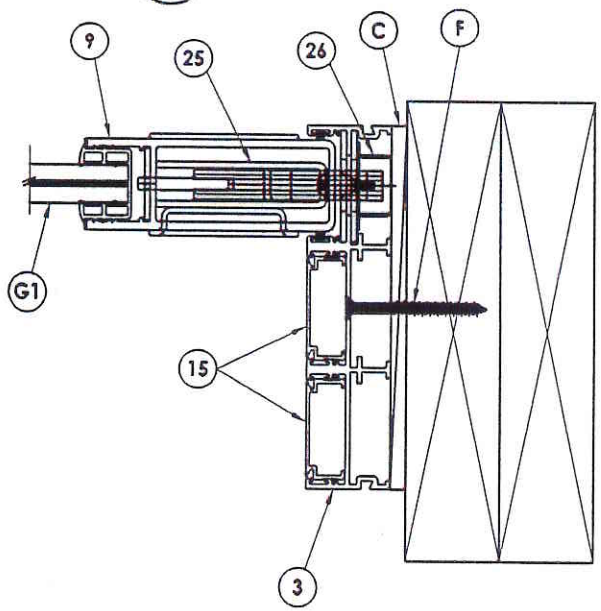
2/3 HORIZONTAL CROSS SECTION

Testing Evaluation Laboratories Inc
Specimen Complies with Drawing
Deviations Noted - TEL # 01991909
Date 3/21/14 Verified by

NOTE:
1. Interlock clip screws (item #H) located at each nail-fin attachment screw (item #G).



3/3 HORIZONTAL CROSS SECTION



4/3 HORIZONTAL CROSS SECTION

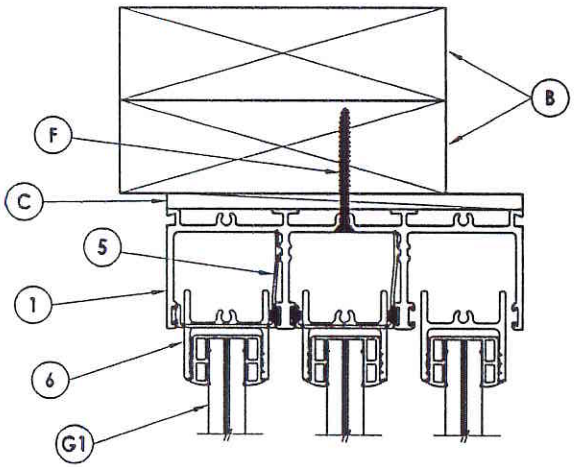
PRODUCT: FLEETWOOD Norwood 3070 (XXX)

PART OR ASSEMBLY: VERTICAL AND HORIZONTAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS

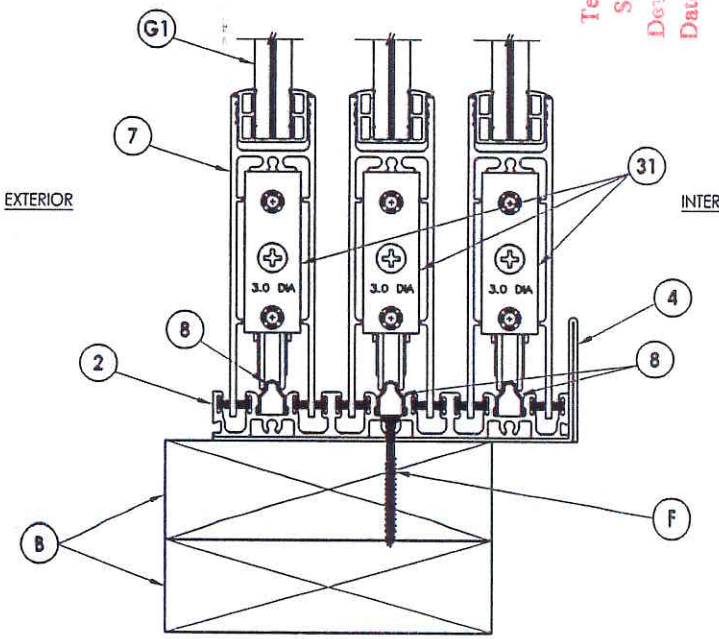
RW BUILDING CONSULTANTS, INC.
813.659.9197

DATE: 1/21/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: L-7111
SHEET 3 OF 7



EXTERIOR INTERIOR

1/4 VERTICAL CROSS SECTION



EXTERIOR INTERIOR

2/4 VERTICAL CROSS SECTION

Testing Evaluation Laboratories Inc
Specimen Complies with Drawing
Deviations Noted TEL # 01-99-1007
Date 3/31/14 Verified by

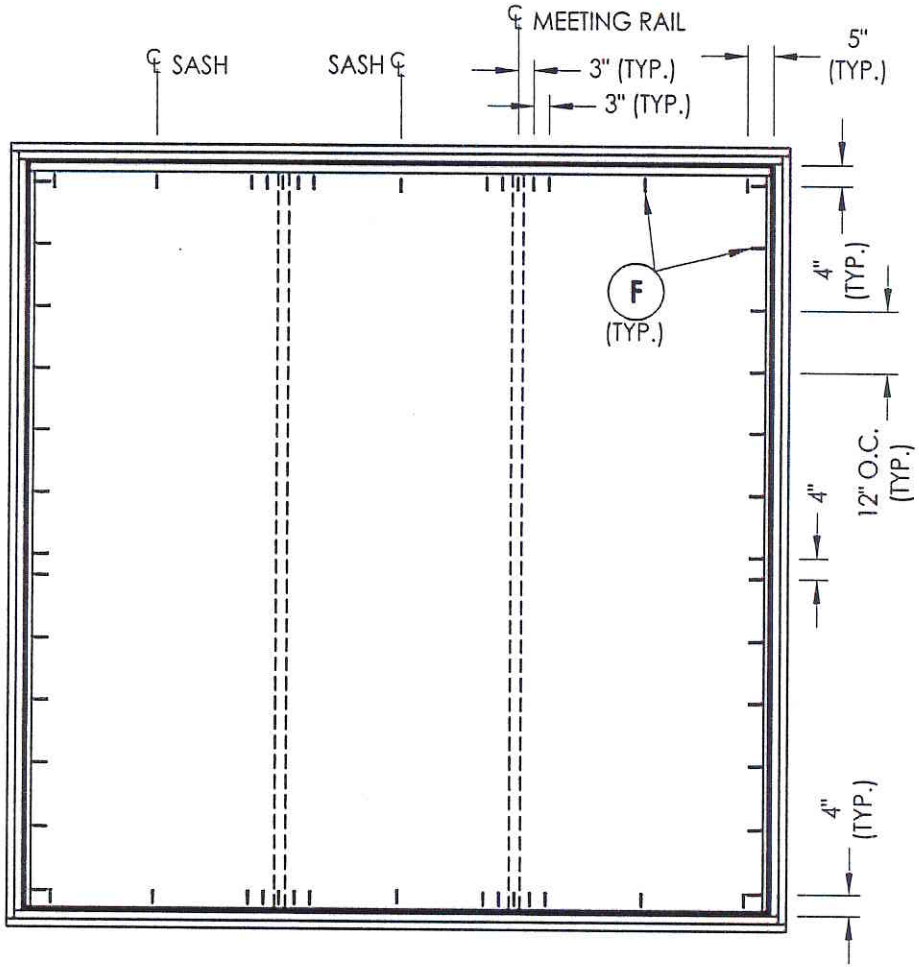
PRODUCT: FLEETWOOD Norwood 3070 (XXX)

PART OR ASSEMBLY: VERTICAL AND HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS	BY

RW BUILDING CONSULTANTS, INC.
813.659.9197

DATE: 1/21/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: L-7111
SHEET 4 OF 7



FRAME ANCHORING
2X buck construction

Testing Evaluation Laboratories Inc
Specimen Complies with Drawing
Deviations Noted TEL # 0199-1007
Date 3/21/14 Verified by

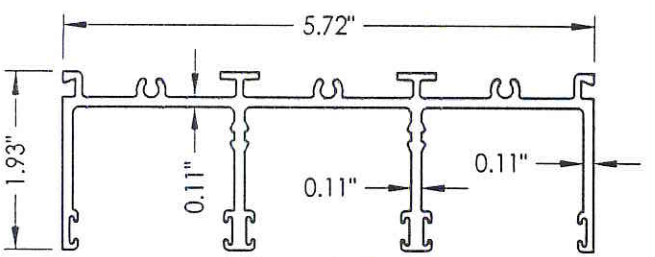
PRODUCT: FLEETWOOD Norwood 3070 (XXX)

PART OR ASSEMBLY: TEST ELEVATION

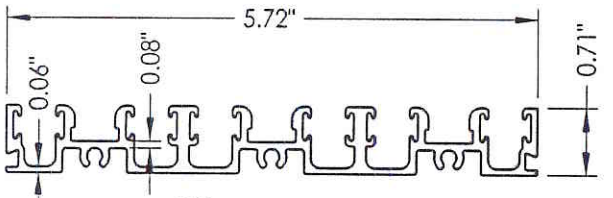
NO.	DATE	BY	REVISIONS

RW BUILDING CONSULTANTS, INC.
813.659.9197

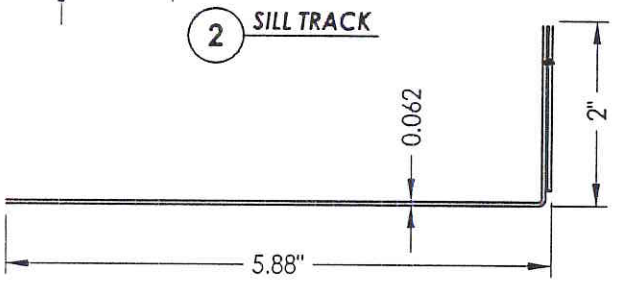
DATE: 1/21/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: L-7111
SHEET 5 OF 7



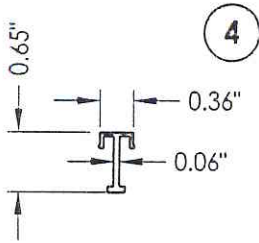
1 HEAD TRACK



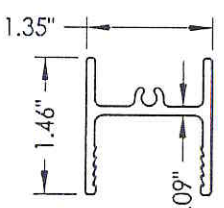
2 SILL TRACK



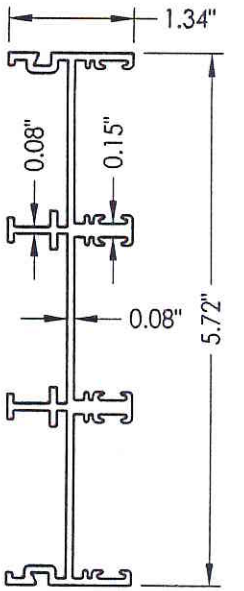
4 SILL PAN



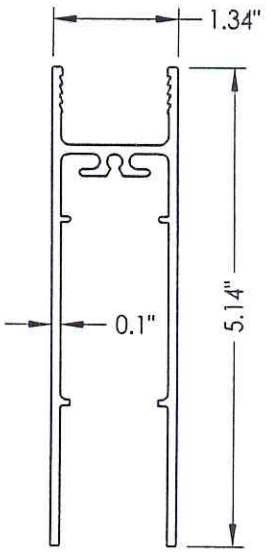
10 SILL CHANNEL FILLER



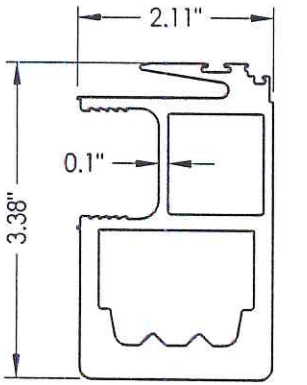
6 TOP RAIL



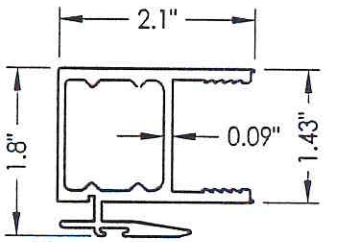
3 JAMB TRACK



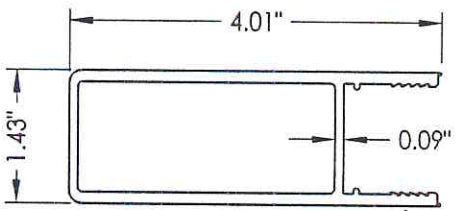
7 BOTTOM RAIL



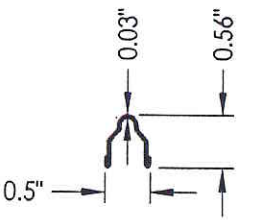
12 INTERLOCK STILE
High Performance



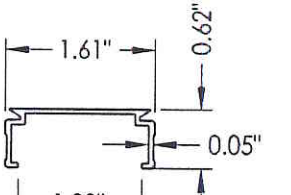
11 INTERLOCK STILE
Standard



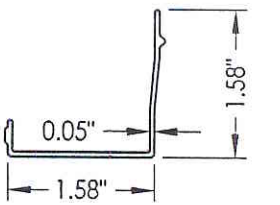
9 STILE



8 TRACK



15 JAMB CHANNEL FILLER



5 HEAD CHANNEL FILLER

Testing Evaluation Laboratories Inc
Specimen Complies with Drawing
Deviations Noted - TEL # 01991009
Date 3/31/14 Verified by YKW

PRODUCT: FLEETWOOD Norwood 3070 (XXX)

PART OR ASSEMBLY: COMPONENTS AND GLAZING DETAILS

NO.	DATE	BY

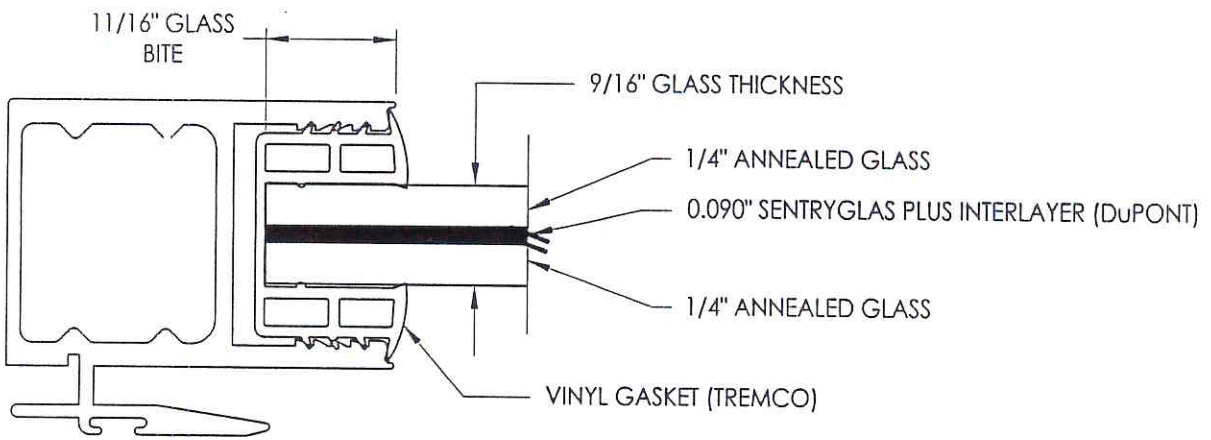
REVISIONS

RW BUILDING CONSULTANTS, INC.
813.659.9197

DATE: 1/21/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: L-7111
SHEET 6 OF 7

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
F	#10 X 2" PFH SMS	STEEL
L	#8 X 1/2" PFH SMS	STEEL
1	HEAD TRACK (3 RUNS)	6063-T6 ALUM
2	SILL TRACK (3 RUNS)	6063-T6 ALUM
3	JAMB TRACK (3 RUNS)	6063-T6 ALUM
4	SILL PAN (TRIPLE RUN)	5052 -ALUM
5	HEAD CHANNEL FILLER	6063-T6 ALUM
6	TOP RAIL	6063-T6 ALUM
7	BOTTOM RAIL	6063-T6 ALUM
8	TRACK	S.S.
9	STILE	6063-T6 ALUM
10	SILL CHANNEL FILLER	6063-T6 ALUM
11	STANDARD INTERLOCK STILE	6063-T6 ALUM
12	HIGH PERFORMANCE INTERLOCK STILE	6063-T6 ALUM
15	JAMB CHANNEL FILLER	6063-T6 ALUM
16	POST INTERLOCKER NAIL FIN	6063-T6 ALUM
17	POST INTERLOCKER CLIP	6063-T6 ALUM
25	LATCH ASSY.(JAMB)	-
26	STRIKE PLATE ASSY.(JAMB)	-
31	MAMMOTH ROLLER ASSEMBLY	-
32	CENTER-FIN WEATHERSEAL .290 HIGH PILE (AMESBURY 43629-270)	-
33	HEAVY DENSITY WEATHERSEAL .300 HIGH PILE (AMESBURY 413330-270)	-

Testing Evaluation Laboratories Inc
Specimen Complies with Drawing
Deviations Noted TEL # 01991009
Date 3/11/14 Verified by JKW



G1 GLAZING DETAIL

PRODUCT: FLEETWOOD Norwood 3070 (XXX)

PART OR ASSEMBLY: BILL OF MATERIALS AND GLAZING DETAIL

NO.	DATE	BY	REVISIONS

RW BUILDING CONSULTANTS, INC.
813.659.9197

DATE: 1/21/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: L-7111
SHEET 7 OF 7