Intertek | Architectural Testing

MIAMI-DADE COUNTY PERFORMANCE TEST REPORT

Report No.: E8392.03-301-18

Rendered to:

FLEETWOOD WINDOWS AND DOORS
Corona, California

PRODUCT TYPE: Sliding Door
SERIES/MODEL: 3070-T

Digitally Signed by: Tyler Westerling
2016.07.14 14:30:04 -07'00'

Test Dates: 07/01/15
Through: 08/19/15
Report Date: 02/02/16
Revision 6 Date: 07/13/16
Record Retention End Date: 08/19/25

2524 E. Jensen Avenue
Fresno, CA 93706

www.archtest.com . www.intertek.com/building

p. 559.233.8705
f. 717.764.4129

1.0 Report Issued To: Fleetwood Windows & Doors
1 Fleetwood Way
Corona, California 92879

2.0 Test Laboratory: Architectural Testing, Inc.,
an Intertek company ("Intertek-ATI")
2524 East Jensen Avenue
Fresno, California 93706
(559) 233-8705

3.0 Project Summary:

3.1 Product Type: Sliding Door

3.2 Series/Model: 3070-T

3.3 Compliance Statement: Results obtained are tested values and were secured by using the designated test method(s). The specimen(s) tested met the structural and impact performance requirements set forth in the referenced test procedures for a +2640/-2880 Pa (+55.14/-60.15psf) Design Pressure with missile impacts corresponding to Missile Level D and Wind Zone 4. Where water infiltration is required the test specimens met the requirements for a ±30 psf Design pressure.

Table 1: Summary of Test Results

Specimen #	Test Protocol	Design Pressure
1	TAS 202 (Structural Only)	+50 / -55 psf
1a	TAS 202 air/water/structural	+30/ -30psf
2	TAS 201 / 203 (Large Missile)	+55 / -60 psf
3	TAS 201 / 203 (Large Missile)	+55 / -60 psf
4	TAS 201 / 203 (Large Missile)	+55 / -60 psf

3.4 Product Type: Sliding Door

3.5 Series/Model: 3070-T

3.6 Miami-Dade County Notification No.: ATI CA0003

3.7 Laboratory Certification No.: 12-0808.05

3.8 Test Date(s): 07/01/15 – 08/19/15

3.9 Test Record Retention End Date: 08/19/25

3.10 Test Location: Intertek-ATI test facility in Fresno, California.

3.0 Project Summary: (Continued)

3.11 List of Official Observers:

Name	Company
Nathan Baker	Fleetwood
Dennis Janzen	Intertek-ATI
Tyler Westerling	Intertek-ATI

4.0 Test Specification(s):

TAS 201-94, *Impact Test Procedures*

TAS 202-94, *Criteria for Testing Impact & Non Impact Resistant Building Envelope Components Using Uniform Static Air Pressure*

TAS 203-94, *Criteria for Testing Products Subject to Cyclic Wind Pressure Loading*

5.0 Test Specimen Description:

5.1 Product Sizes:

Overall Area: 22.8 m^2 (243 ft^2)	**Width**		**Height**	
	millimeters	**inches**	**millimeters**	**inches**
Overall size	6,096	240	3,050	120
Panel size	1,590	62-1/2	3,000	118

5.0 Test Specimen Description: (Continued)

The following descriptions apply to all specimens.

5.2 Frame Construction:

Frame Member	Material	Description
Sill	Aluminum	Two piece sill held in place with two rows of #8 Phillips head screws spaced 36" on center in each track.
Sill pan	Stainless Steel	With a 1.93" tall interior leg.
Sill filler	Aluminum	Snapped in place where panels do not slide.
Jamb	Aluminum	With snapped in jamb filler where panel is not engaged.
Head	Aluminum	With snapped in head filler where panel is not engaged.

	Joinery Type	Detail
All corners	Butt	Sealed with silicone and attached with six #10 x 1.5" Phillips pan head sheet metal screws in Head and three #8 x 2" Flat Head Phillips in sill.

5.3 Panel Construction:

Panel Member	Material	Description
All	Aluminum	See drawings for details.

	Joinery Type	Detail
All corners	Butt	Sealed with silicone. Top corners fastened with one #10 x 2" Phillips head screw each. Bottom corners fastened with one #10 x 2". Two 1/4-20 x 1" Phillips head screws were fastened into each roller.

5.0 Test Specimen Description: (Continued)

5.4 Weatherstripping:

Description	Quantity	Location
0.230 polypile with center fin	4	In sill contracting interior and exterior of each panel leg.
Q-lon foam seal	2	Contacting interior and exterior of sill pan from sill vertical face.
0.230 polypile with center fin	2	In head contracting interior and exterior of panel face.
0.290 Polypile with center fin	1	In each pocket interlock extrusion.
0.230 polypile with center fin	2	In interior and exterior meeting stile locking extrusion.
0.290 polypile with center fin	1	In each interlock extrusion.
Q-lon foam seal	1	In interior and exterior of jamb extrusion.
Panel corner air barrier	1	At each exposed panel bottom and top corner.

5.5 Glazing: *No of any kind regarding the adequacy or inadequacy of the glass in any glazed test specimen(s) can be made.*

Glass Type	Glazing	Glazing Method
IG	5mm clear temp/airspace/lami (5mm clear /0.090 SGP/5mm clear)	Channel glazed into frame. Dry glazed at all top and bottom rails and interlocks. Wet glazed at locking vertical stiles only

Location	Quantity	Daylight Opening		Glass Bite
		millimeters	inches	
All Lights	4	1435 x 2845	56-1/2 x 112	5/8

5.6 Drainage:

Drainage Method	Size	Quantity	Location
Saw cut across sill across all tracks	1" wide by 3/16" deep	6	6" from each end, 60" spacing.
Bottom drain or side drain	1" NPT	6	8" from each and 60" on center drained into a common 2" diameter manifold with check valve.

5.0 Test Specimen Description: (Continued)

5.7 Hardware:

Description	Quantity	Location
Rollers, Tandem	2 wheels each panel	Bottom panel rail.
Archetype narrow Lock	1	Locking meeting panel.

5.8 Reinforcement:

Drawing Number	Location	Material
37	All small interlock hallows	Aluminum.
38	All small interlock hallows	Aluminum.

5.9 Screen Construction: No screen was utilized.

6.0 Installation:

The specimen was installed into a Pine wood buck. The rough opening allowed for a 1/4" shim space. The exterior perimeter of the window was sealed with sealant. See drawing on sheet 6 of 9 for installation details.

7.0 Test Results: The temperature during TAS 202 testing was 65°F. Results are tabulated as follows:

7.1 Protocol TAS 202-94, *Static Air Pressure*

Table #1 provides the results for the air infiltration test.

Table #1: Test Specimen #1 TAS 202, Air Infiltration Test Results

Test Pressure	Results
Air Infiltration at 1.57 psf (25 mph)	0.29 cfm/ft^2
Air Exfiltration at 1.57 psf (25 mph)	0.30 cfm/ft^2

Table #2 provides the results for positive and negative uniform static load test at a duration of 30 seconds.

Table #2: Test Specimen #1 TAS 202, Preload and Design Load Test Results

Load (psf)	Indicator Location	Deflection (in.)		Permanent Set (in.)	
		Measured	Allowed	Measured	Allowed
+30.00 >50% of Test Pressure	Meeting Stile	0.24	N/A	0.00	N/A
	Center Interlock	0.65	N/A	0.00	N/A
+50.0 Design Pressure	Meeting Stile	0.70	N/A	-	N/A
	Center Interlock	1.16	N/A	-	N/A
-45.0 >50% of Test Pressure	Meeting Stile	0.70	N/A	0.00	N/A
	Center Interlock	1.06	N/A	0.02	N/A
-55.0 Design Pressure	Meeting Stile	0.47	N/A	0.00	N/A
	Center Interlock	1.29	N/A	0.00	N/A

7.0 Test Results: (Continued)

7.1 Protocol TAS 202-94, *Static Air Pressure* (Continued)

Table #3 provides the results for the water penetration test.

Table #3: Test Specimen #1 TAS 202, Water Penetration Test Results

Title of Test	Pressure	Results
Water Penetration 15% of Positive Design Pressure of 30psf	4.59 psf	Pass

Table #4 provides the results for the structural overload test.

Table #4: Test Specimen #1 TAS 202, Structural Overload Test Results

Load (psf)	Indicator Location	Deflection (in.)		Permanent Set (in.)	
		Measured	Allowed	Measured	Allowed
+75.0 Test Pressure	Meeting Stile	0.96	N/A	0.06	0.48
	Center Interlock	1.73	N/A	0.02	0.48
-82.5 Test Pressure	Meeting Stile	1.17	N/A	0.13	0.48
	Center Interlock	1.94	N/A	0.04	0.48

Table #5 provides the results for the forced entry resistance test.

Table #5: Test Specimen #1 TAS 202, Forced Entry Test Results

Title of Test	Results	Allowed
Forced Entry Resistance in accordance with F842	Pass	No Entry

***Note**: Deflection/permanent set reported is the overall deflection between three points (longest unsupported span) which accounts for support movement.*

Conclusion: Intertek-ATI observed no signs of failure in any area of the test specimen during the TAS 202 testing; as such, the test specimen satisfies the requirements of TAS 202.

7.0 Test Results: (Continued) The temperature during TAS 201 testing was 70°F. Results are tabulated as follows:

7.2 Protocol TAS 201-94, *Large Impact Procedures*

Conditioning Temperature: 18°C (65°F)
Missile Weight: 4080 g (9.0 lbs)
Missile Length: 2.4 m (8'0")
Muzzle Distance from Test Specimen: 5.2 m (17' 0")

Test Unit #1: Orientation within ±5° of horizontal

Impact #1: Missile Velocity: 14.9m/s (49.0fps)	
Impact Area:	Center of Pocket Panel
Observations:	Missile hit target area
Results:	Pass

Impact #2: Missile Velocity: 15.0 m/s (49.3 fps)	
Impact Area:	Center of Meeting Panel
Observations:	Missile hit target area
Results:	Pass

Impact #3: Missile Velocity: 15.0 m/s (49.2fps)	
Impact Area:	Lower right hand corner of meeting panel
Observations:	Missile hit target area
Results:	Pass

Impact #4: Missile Velocity: 15.0 m/s (49.1 fps)	
Impact Area:	Lower left corner of pocket panel
Observations:	Missile hit target area
Results:	Pass

Impact #5: Missile Velocity: 15.0 m/s (49.3fps)	
Impact Area:	Center of meeting stile
Observations:	Missile hit target area
Results:	Pass

7.0 Test Results: (Continued)

7.2 Protocol TAS 201-94, *Large Impact Procedures* (Continued)

Conditioning Temperature: 18°C (65°F)
Missile Weight: 4080 g (9.0 lbs)
Missile Length: 2.4 m (8'0")
Muzzle Distance from Test Specimen: 5.2 m (17' 0")

Test Unit #2: Orientation within ±5° of horizontal

Impact #1: Missile Velocity: 15.1 m/s (49.5fps)	
Impact Area:	Center of meeting stile
Observations:	Missile hit target area
Results:	Pass

Impact #2: Missile Velocity: 15.1 m/s (49.7 fps)	
Impact Area:	Upper left corner of meeting panel
Observations:	Missile hit target area
Results:	Pass

Impact #3: Missile Velocity: 15.1 m/s (49.7 fps)	
Impact Area:	Center of meeting panel
Observations:	Missile hit target area
Results:	Pass

Impact #4: Missile Velocity: 15.1 m/s (49.5 fps)	
Impact Area:	Top right corner of jamb panel
Observations:	Missile hit target area
Results:	Pass

Impact #5: Missile Velocity: 15.1 m/s (49.7fps)	
Impact Area:	Center of jamb panel
Observations:	Missile hit target area
Results:	Pass

7.0 Test Results: (Continued)

7.2 Protocol TAS 201-94, *Large Impact Procedures* (Continued)

Conditioning Temperature: 18°C (65°F)
Missile Weight: 4080 g (9.0 lbs)
Missile Length: 2.4 m (8'0")
Muzzle Distance from Test Specimen: 5.2 m (17' 0")

Test Unit #3: Orientation within ±5° of horizontal

Impact #1: Missile Velocity: 15.3 m/s (50.1fps)	
Impact Area:	Center of interlock
Observations:	Missile hit target area
Results:	Pass

Impact #2: Missile Velocity: 15.2 m/s (49.8 fps)	
Impact Area:	Center of pocket panel
Observations:	Missile hit target area
Results:	Pass

Impact #3: Missile Velocity: 15.2 m/s (49.9 fps)	
Impact Area:	Bottom right hand corner of pocket panel
Observations:	Missile hit target area
Results:	Pass

Impact #4: Missile Velocity: 15.1 m/s (49.7 fps)	
Impact Area:	Center of jamb panel
Observations:	Missile hit target area
Results:	Pass

Impact #5: Missile Velocity: 15.1 m/s (49.4fps)	
Impact Area:	Bottom right corner of jamb panel
Observations:	Missile hit target area
Results:	Pass

***Note**: See Intertek-ATI Sketch #1 for impact locations.*

7.0 Test Results: (Continued)

7.3 Protocol TAS 203-94, *Cyclic Wind Pressure Loading*

Test Unit #1
Design Pressure: a +2640/-2880 Pa (+55.14/-60.15psf)

POSITIVE PRESSURE

Pressure Range (psf)	Number of Cycles	Average Cycle Time (seconds)	Observations
11 to 27.5	3500	1.9	
0 to 33	300	3.8	
27.5 to 44	600	2.1	
16.5 to 55	100	4.1	

NEGATIVE PRESSURE

Pressure Range (psf)	Number of Cycles	Average Cycle Time (seconds)	Observations
18 to 60	50	4.7	
30 to 48	1050	2.8	
0 to 36	50	4.1	
12 to 30	3350	3.1	

Result: Pass

7.0 Test Results: (Continued)

7.3 Protocol TAS 203-94, *Cyclic Wind Pressure Loading* (Continued)

Test Unit #2
Design Pressure: a +2640/-2880 Pa (+55.14/-60.15psf)

POSITIVE PRESSURE

Pressure Range (psf)	Number of Cycles	Average Cycle Time (seconds)	Observations
11 to 27.5	3500	1.7	
0 to 33	300	3.7	
27.5 to 44	600	1.6	
16.5 to 55	100	3.4	

NEGATIVE PRESSURE

Pressure Range (psf)	Number of Cycles	Average Cycle Time (seconds)	Observations
18 to 60	50	3.7	
30 to 48	1050	1.6	
0 to 36	50	3.4	
12 to 30	3350	1.6	

Result: Pass

7.0 Test Results: (Continued)

7.3 Protocol TAS 203-94, *Cyclic Wind Pressure Loading* (Continued)

Test Unit #3
Design Pressure: a +2640/-2880 Pa (+55.14/-60.15psf)

POSITIVE PRESSURE

Pressure Range (psf)	Number of Cycles	Average Cycle Time (seconds)	Observations
11 to 27.5	3500	1.7	
0 to 33	300	3.2	
27.5 to 44	600	1.7	
16.5 to 55	100	3.5	

NEGATIVE PRESSURE

Pressure Range (psf)	Number of Cycles	Average Cycle Time (seconds)	Observations
18 to 60	50	3.5	
30 to 48	1050	1.8	
0 to 36	50	4.6	
12 to 30	3350	1.8	

Result: Pass

Conclusion: Intertek-ATI observed no signs of failure in any area of the test specimens during the cyclic load test; as such, the test specimens satisfy the cyclic load requirements of TAS 203.

8.0 Test Equipment:

Cannon: Constructed from steel piping utilizing compressed air to propel the missile

Missile: 2x4 Southern Pine

Timing Device: Electronic Beam Type

Cycling Mechanism: Computer controlled centrifugal blower with electronic pressure measuring device

Tape and film were not used to seal against air leakage during structural testing.

Laboratory Compliance Statements: The following are provided as required by the protocols for the testing reported herein:

Upon completion of testing, specimens tested for TAS 201-94 met the requirements of Section 1626 of the Florida Building Code, Building.
AND
Upon completion of testing, specimens tested for TAS 202-94 met the requirements of Section 1620 of the Florida Building Code, Building.
AND
Upon completion of testing, specimens tested for TAS 203-94 met the requirements of Section 1626 of the Florida Building Code, Building.

Tape and film were used to seal against air leakage during structural testing. In our opinion, the tape and film did not influence the results of the test.

Intertek-ATI will service this report for the entire test record retention period. Test records such as detailed drawings, datasheets, representative samples of test specimens, or other pertinent project documentation, will be retained by Intertek-ATI for the entire test record retention period.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. It is the exclusive property of the client so named herein and relates only to the specimen(s) tested. This report may not be reproduced, except in full, without the written approval of Intertek-ATI.

For ARCHITECTURAL TESTING, INC.:

Dennis Janzen /SS
Digitally Signed for: Dennis Janzen by Shannon Stein

Dennis Janzen
Technician

Digitally Signed by: Tyler Westerling

Tyler Westerling, P.E.
Senior Project Engineer

TW:ss

Attachments (pages): This report is complete only when all attachments listed are included.
Appendix A: Sketches (2)
Appendix B: Drawings (9)

Revision Log

Rev. #	Date	Page(s)	Revision(s)
0	02/02/16	N/A	Original report issue.
1	02/09/16	Appendix B	Revised drawings.
2	02/12/16	4	Corrected air barrier description.
3	05/02/16	4	Corrected panel corner detail.
3	05/02/16	6	Corrected installation details.
3	05/02/16	Appendix B	Updated drawing package.
4	05/11/16	Appendix B	Updated drawing package.
5	05/24/16	Appendix B	Updated drawing package.
6	07/13/16	Appendix B	Updated drawing package.

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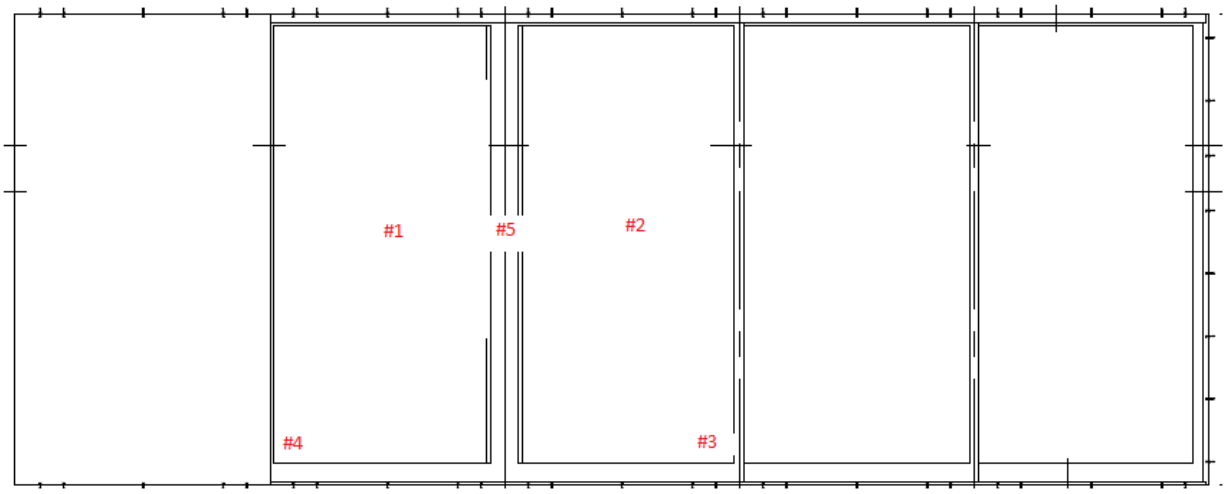
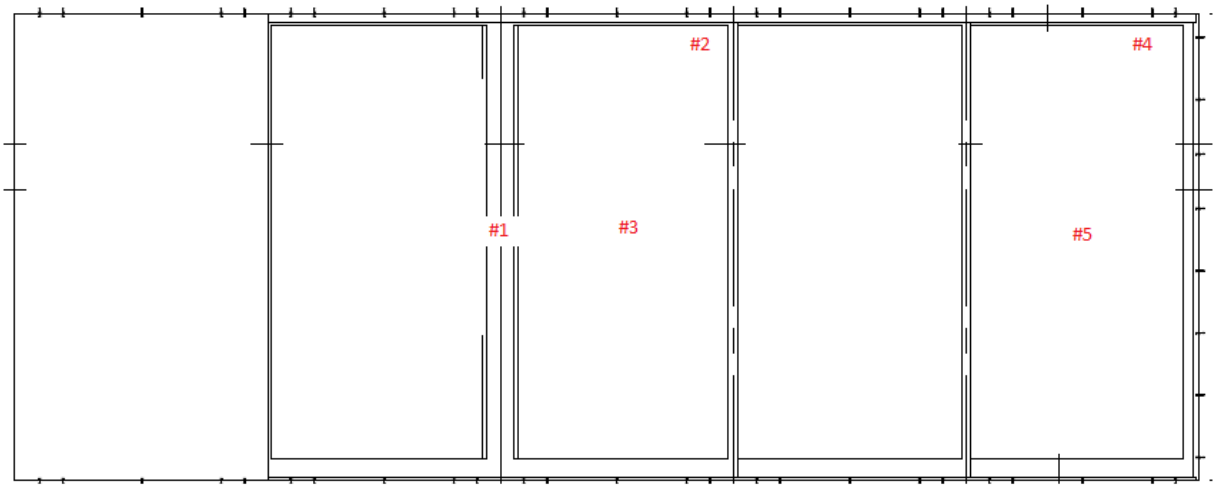
Appendix A

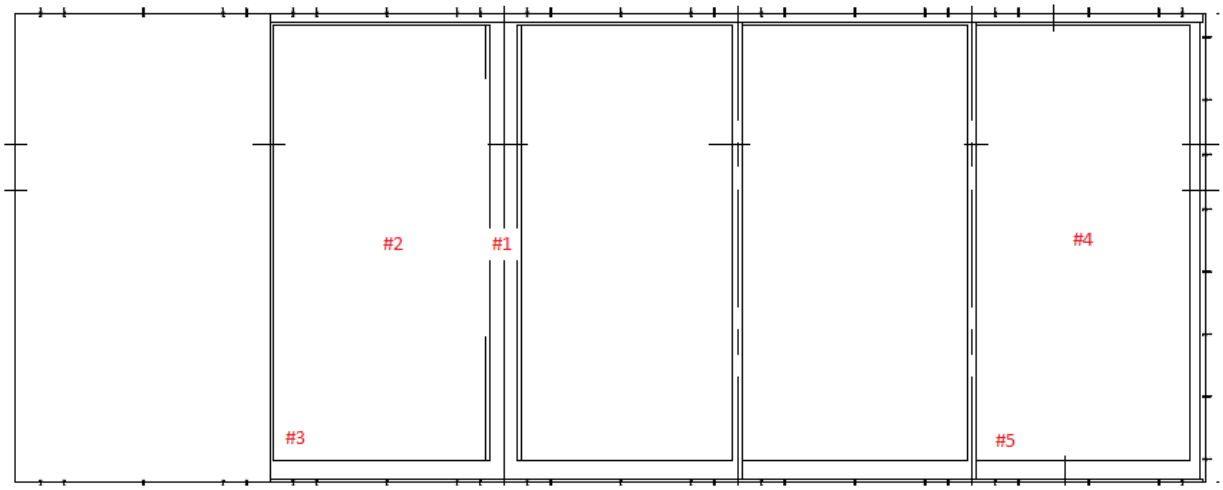
Sketches



Sketch #1: Specimen #1 Impact Locations



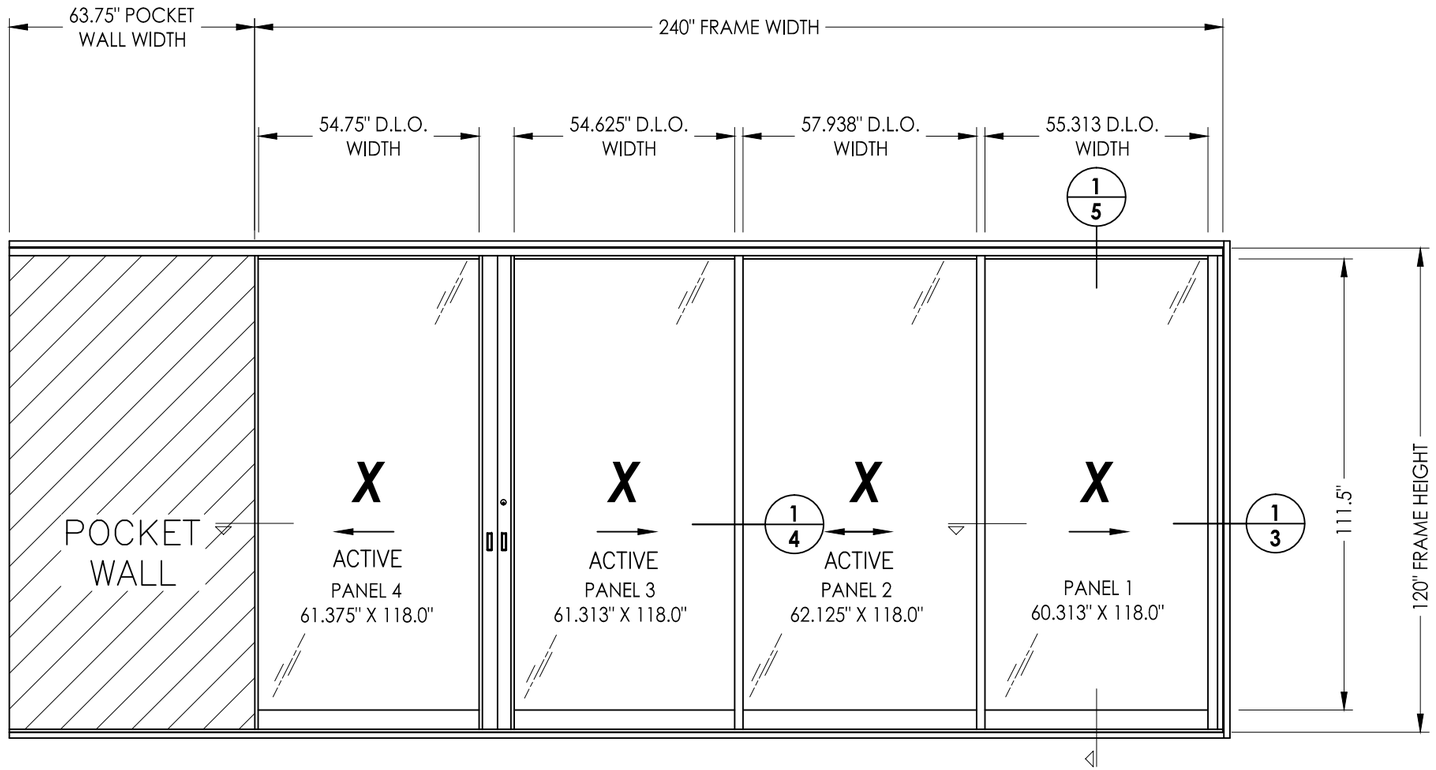
Sketch #2: Specimen #2 Impact Locations



Sketch #3: Specimen #3 Impact Locations

Appendix B

Drawings



TEST ELEVATION (SILL PAN NOT SHOWN)

TABLE OF CONTENTS	
SHEET #	**DESCRIPTION**
1	Table of contents and test elevation
2	Sash details
3	Horizontal cross section
4	Horizontal cross section
5	Vertical cross sections
6	Frame anchoring
7	Hardware Components
8	Hardware Components
9	Components
10	Bill of materials, components and glazing details

Intertek

Report #: E8392-301-18
Date: 07/13/16
Verified by:

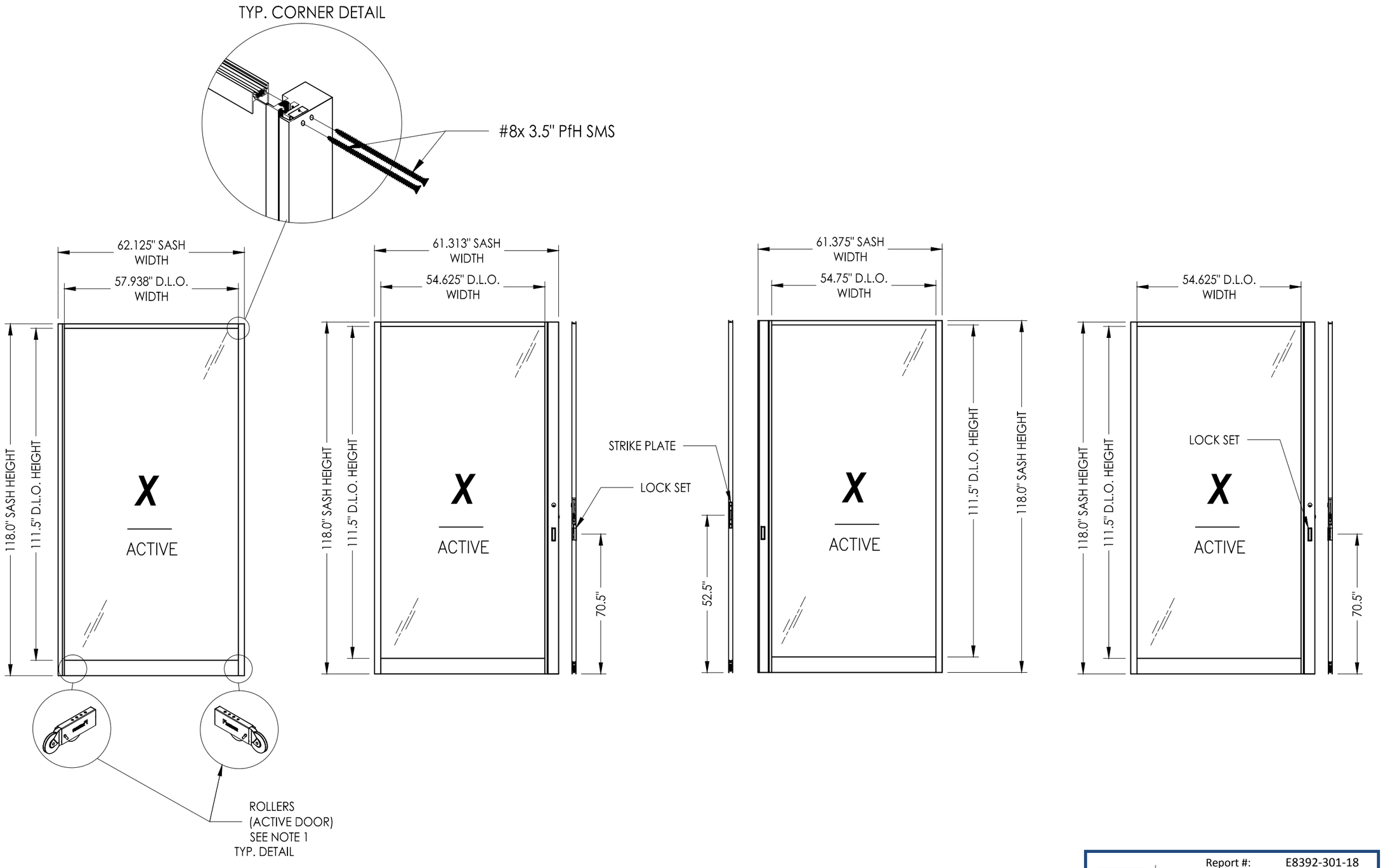
COMMENTS | DRAWN BY | DATE | REVISIONS

DRAWN BY: BL
DATE: 6/22/15
JOB NUMBER: 385199-V2

MATERIAL: SERIES 3070-T
CUSTOMER: FLEETWOOD WINDOWS AND DOORS
JOB NAME: FLEETWOOD TAS & AAMA TEST

FLEETWOOD
WINDOWS AND DOORS
1 FLEETWOOD WAY CORONA, CALIFORNIA 92879 - www.fleetwoodusa.com

SCALE: DO NOT SCALE
DRAWING NO.: #
SHEET: 1 OF 9



Note:
1. Roller attached to bottom rail utilizing (2) 1/4-20 x 1/2" PFH Screw and attached to Stile utilizing (2) 1/4 -20 x 1" PPH Screw.

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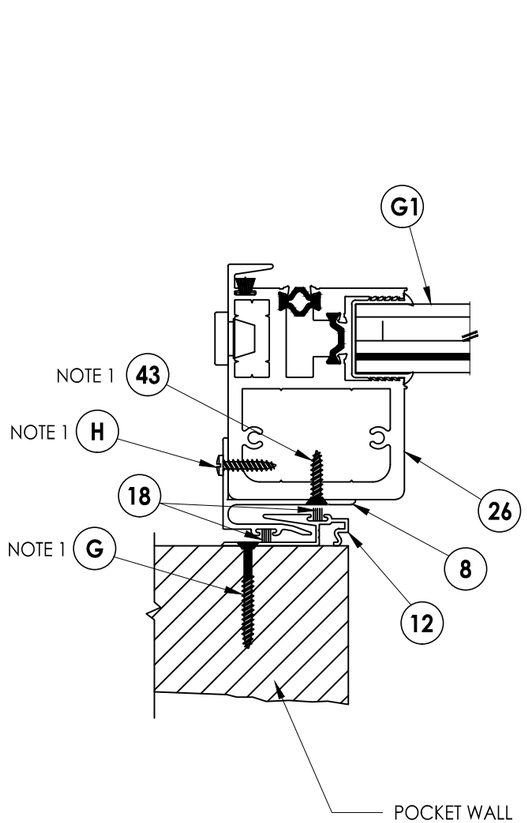
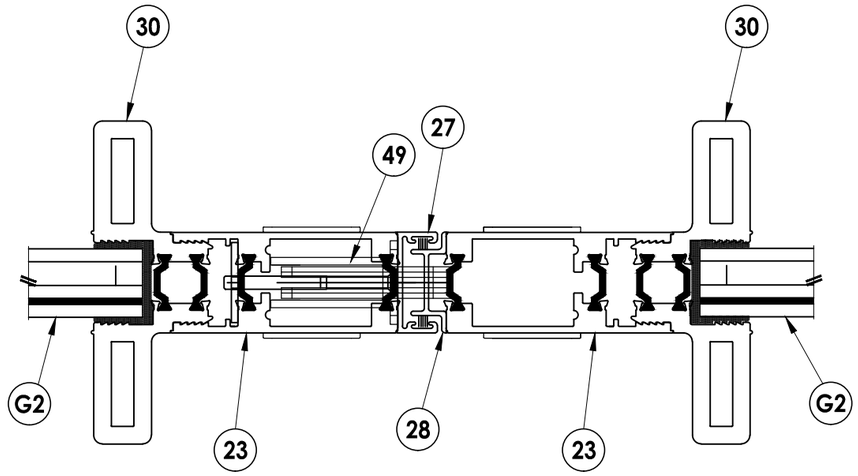
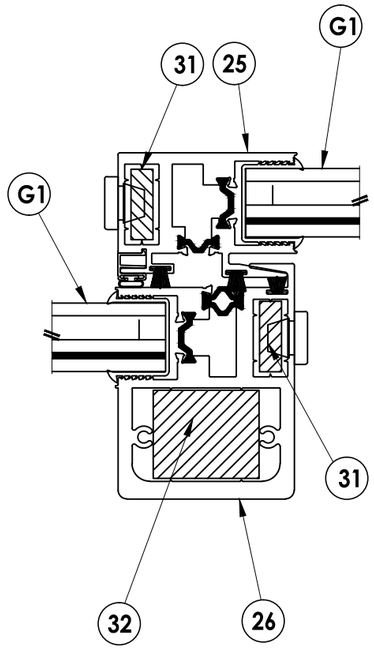
#

SHEET
2 OF 9





EXTERIOR



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

NOTE:
1. 2" from each end then 12" on center

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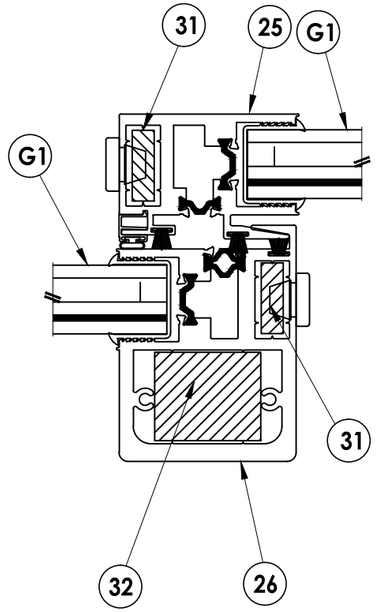
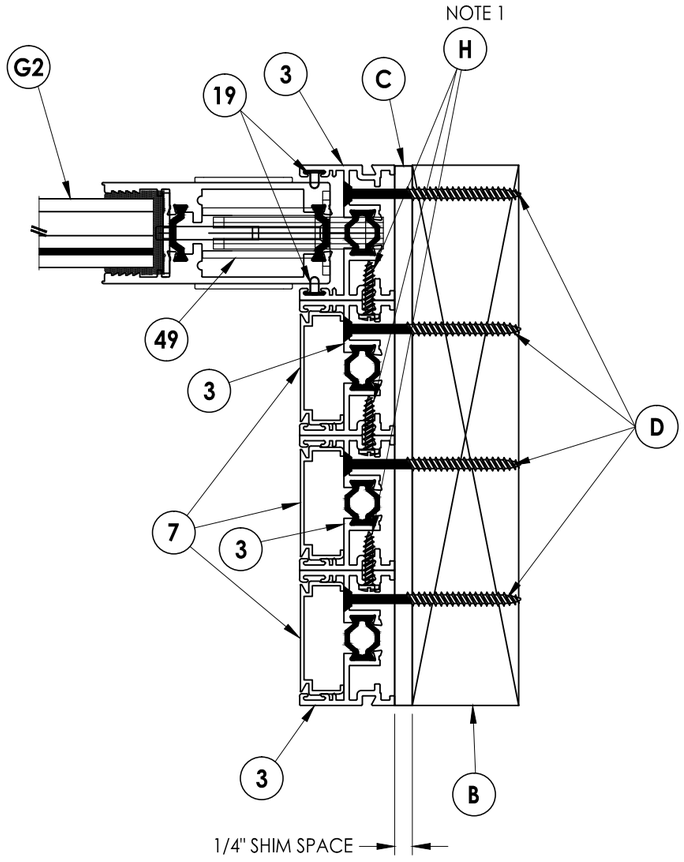
SHEET
3 OF 9





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

NOTE:
1. 1" from each end then 60" on center.

Intertek

Report #: E8392-301-18
Date: 07/13/16
Verified by:

REVISIONS	DATE	DRAWN BY	COMMENTS		
DRAWN BY: BL	DATE: 6/22/15	JOB NUMBER: 385199-V2			

MATERIAL: SERIES 3070-T
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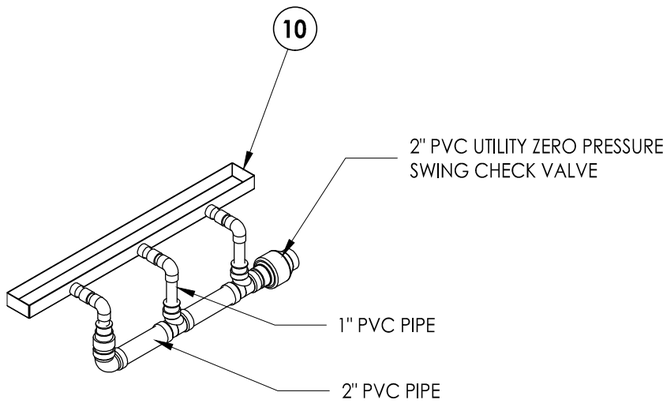
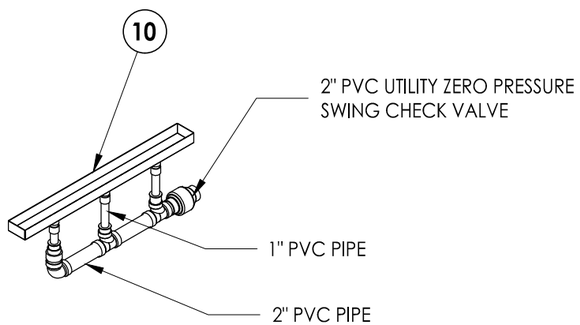
SCALE
DO NOT SCALE

DRAWING NO.
#

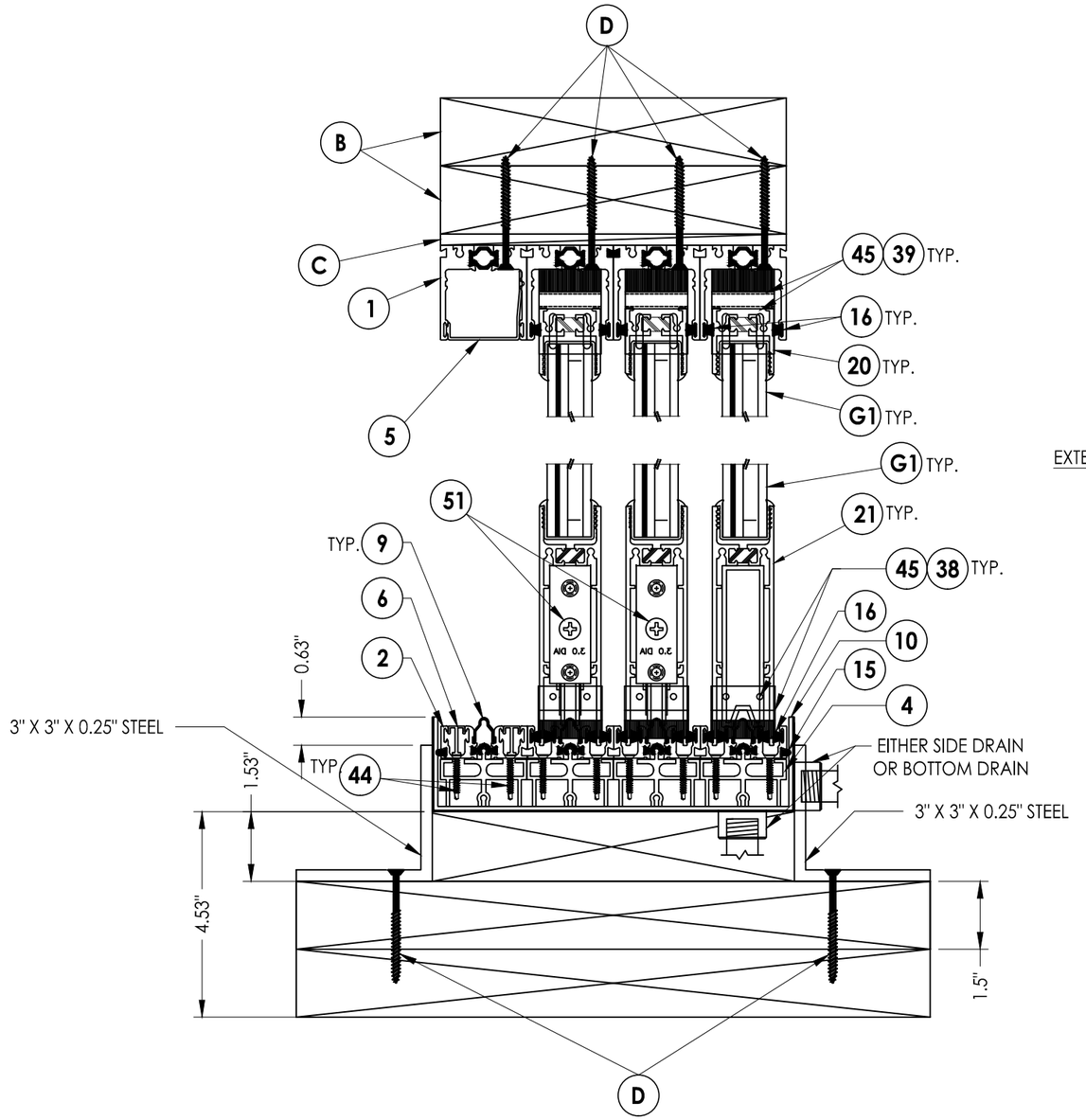
SHEET
4 OF 9



SIDE DRAIN DETAIL



BOTTOM DRAIN DETAIL



EXTERIOR

NOTE:
1. 1" from each end then 60" on center.

Intertek

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MATERIAL:	SERIES 3070-T
CUSTOMER:	FLEETWOOD WINDOWS AND DOORS
JOB NAME:	FLEETWOOD TAS & AAMA TEST
DRAWN BY:	BL
DATE:	6/22/15
JOB NUMBER:	385199-V2

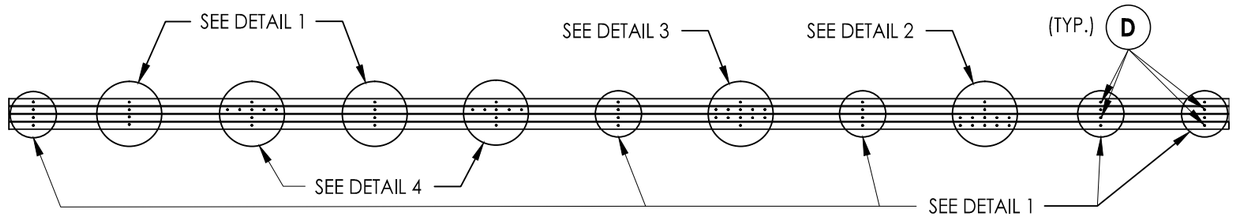
REVISIONS	DATE	DRAWN BY	COMMENTS

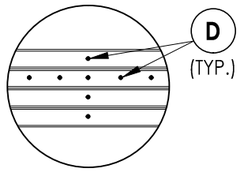
FLEETWOOD
WINDOWS AND DOORS
1 FLEETWOOD WAY CORONA, CALIFORNIA 92879 - www.fleetwoodusa.com

SCALE
DO NOT SCALE

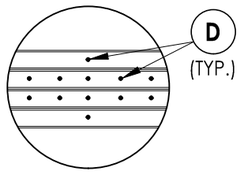
DRAWING NO.
#

SHEET
5 OF 9

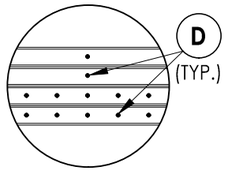




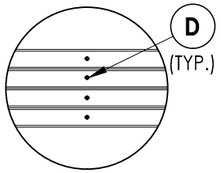
DETAIL 4



DETAIL 3

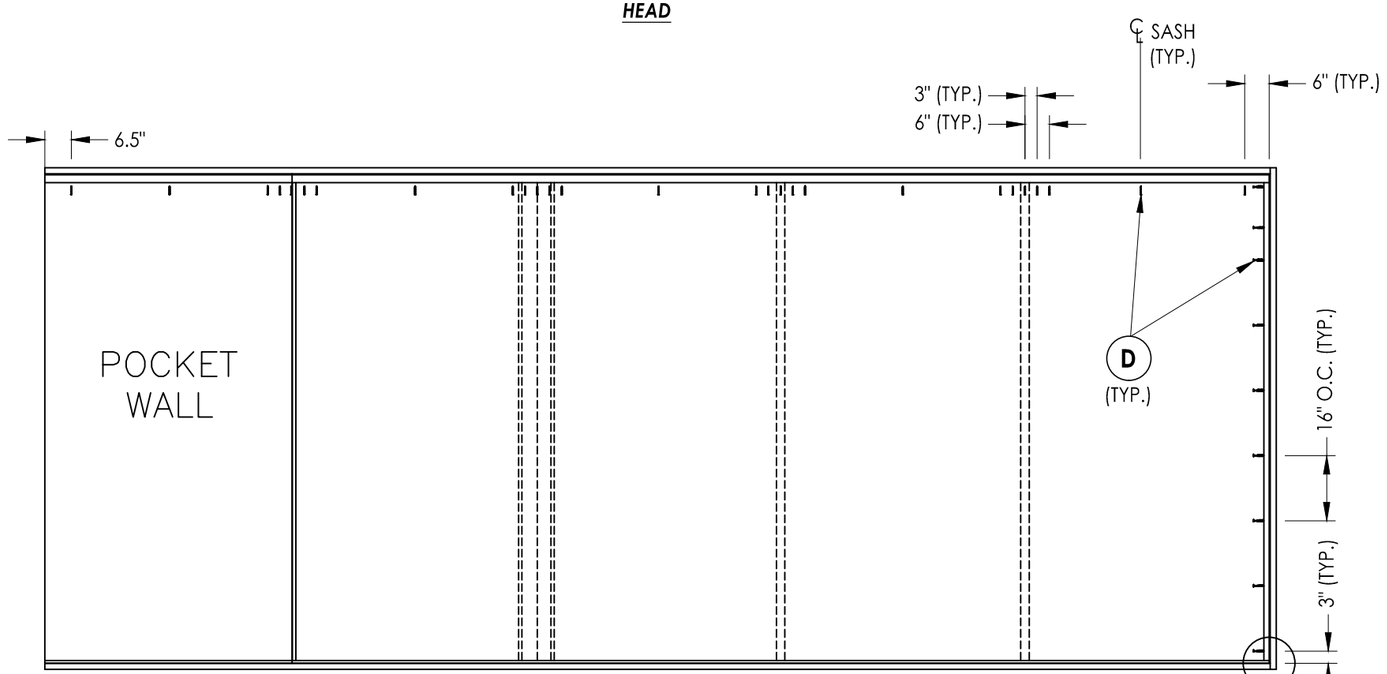


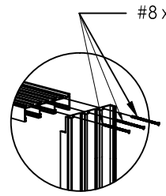
DETAIL 2

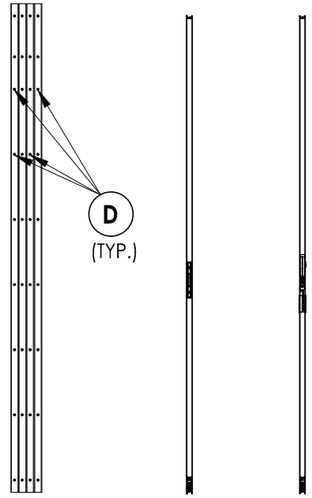


DETAIL 1

HEAD



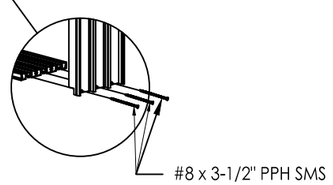




JAMB

FRAME ANCHORING
(Sill pan not shown)

SILL PAN



Intertek

Report #: E8392-301-18
Date: 07/13/16
Verified by:

COMMENTS	
DRAWN BY	
DATE	
REVISIONS	
DRAWN BY: BL	DATE: 6/22/15
JOB NUMBER:	385199-V2
MATERIAL: SERIES 3070-T	
CUSTOMER: FLEETWOOD WINDOWS AND DOORS	
JOB NAME: FLEETWOOD TAS & AAMA TEST	

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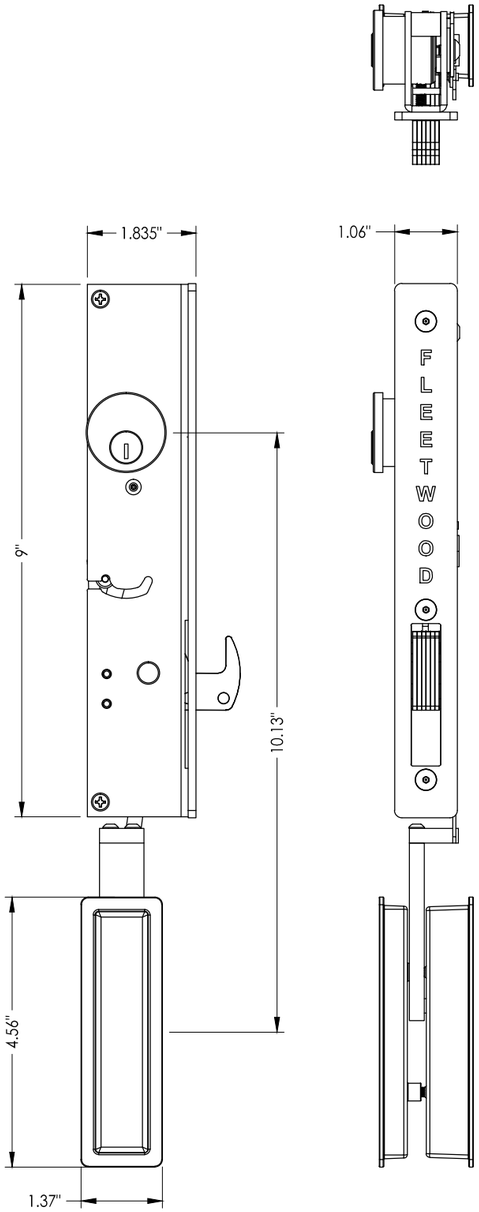
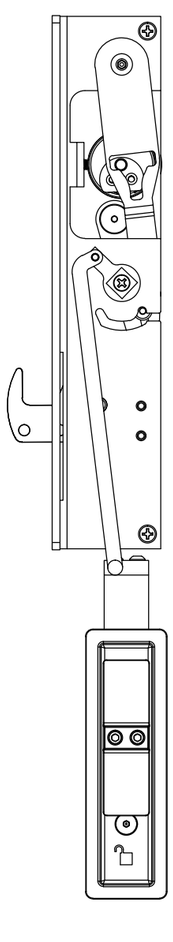
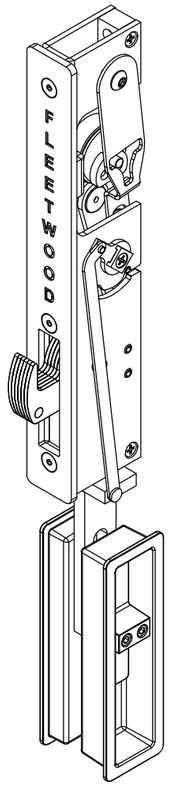
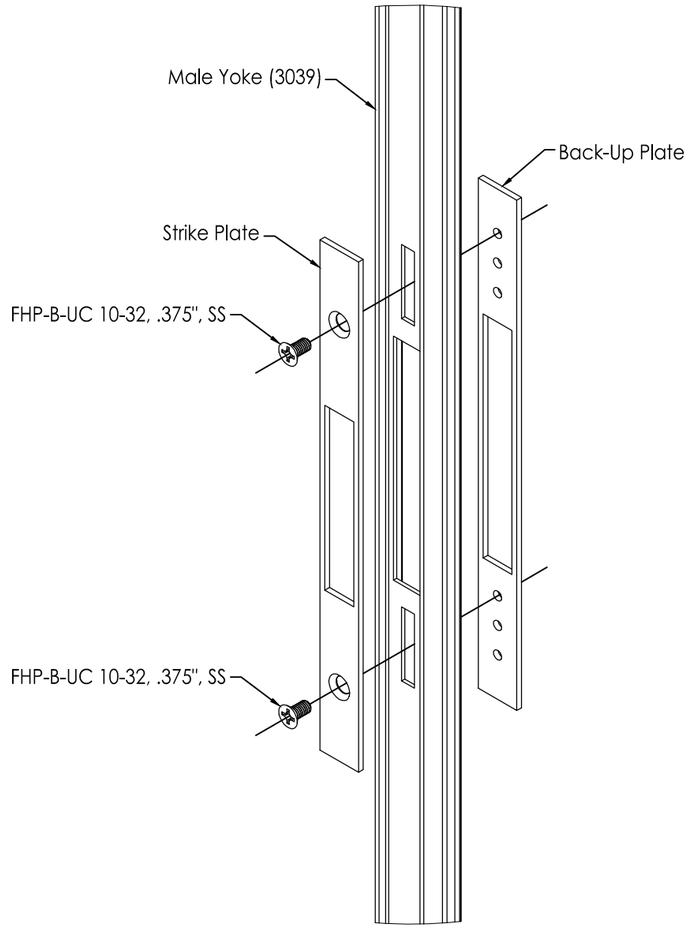
SHEET
6 OF 9







49 **ARCHETYPE NARROW LOCK**



41 **STRIKE PLATE**

Intertek

Report #: E8392-301-18
Date: 07/13/16
Verified by:

REVISIONS	DATE	DRAWN BY	COMMENTS		
DRAWN BY: BL	DATE: 6/22/15	JOB NUMBER: 385199-V2			

MATERIAL: SERIES 3070-T
CUSTOMER: FLEETWOOD WINDOWS AND DOORS
JOB NAME: FLEETWOOD TAS & AAMA TEST

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WINDOWS AND DOORS
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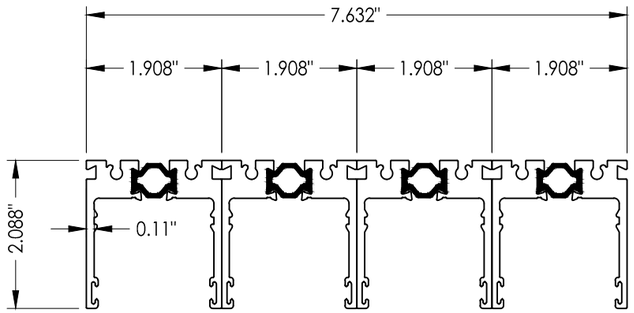
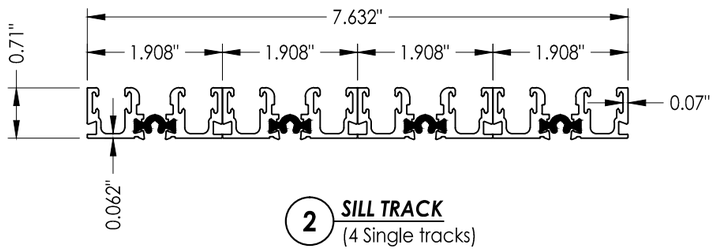
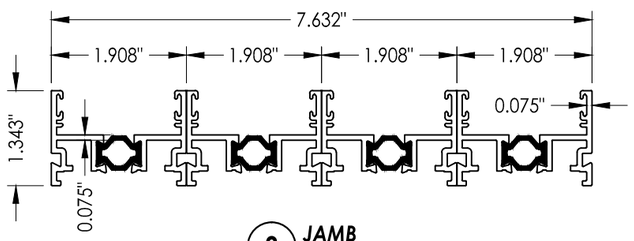
SCALE: DO NOT SCALE
DRAWING NO.: #
SHEET: 7 OF 9



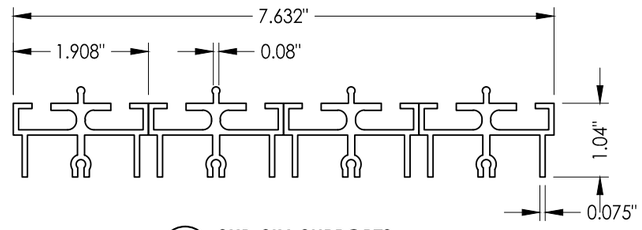
1 HEAD TRACK
(4 Single tracks)



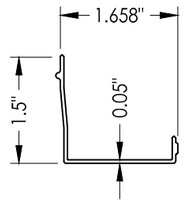
2 SILL TRACK
(4 Single tracks)



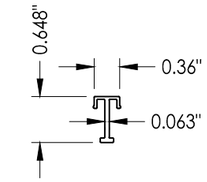
3 JAMB
(4 Single tracks)



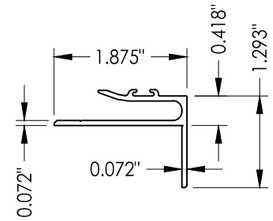
4 SUB-SILL SUPPORTS
1 HIGH X 4 WIDE



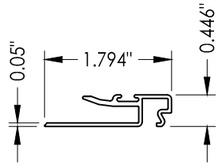
5 HEAD FILLER



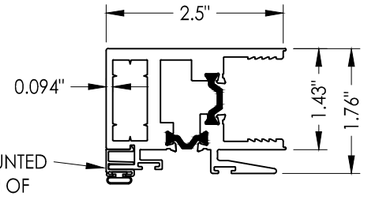
6 SILL FILLER



8 L-TYPE POST INTERLOCK

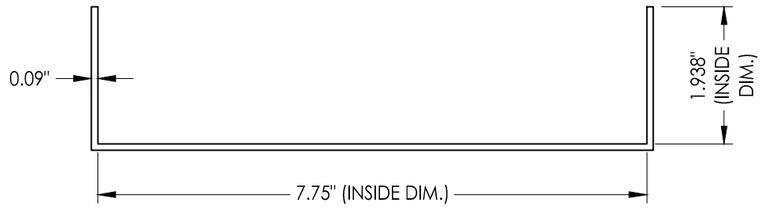


12 J-TYPE POST INTERLOCK

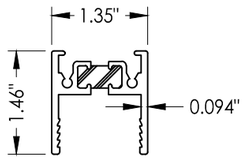


6" AIR BARRIER MOUNTED
@ TOP & BOTTOM OF
EXTERIOR INTERLOCK STILE

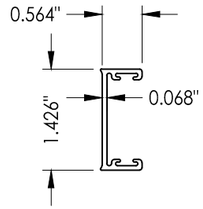
25 THERMAL HP FIXED INTERLOCKER



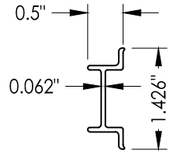
10 SUB-SILLPAN
Staggered Pan
4 Track to 2 Track



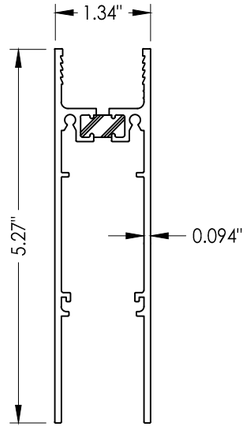
20 THERMAL TOP RAIL



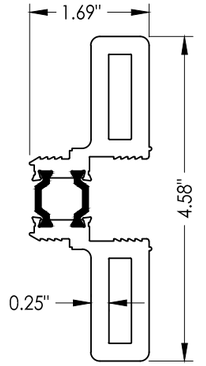
27 FEMALE YOKE



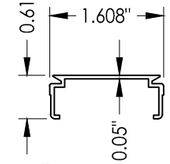
28 MALE YOKE



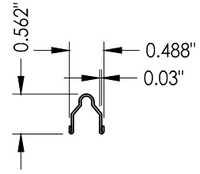
21 THERMAL BOTTOM RAIL



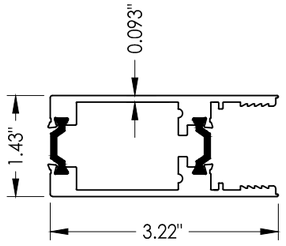
30 THERMAL HP ADAPTOR



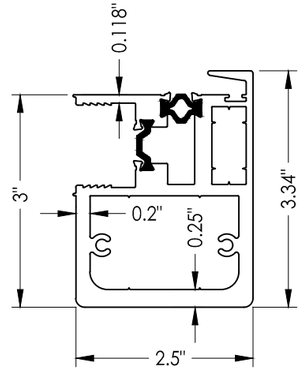
7 JAMB FILLER



9 TRACK



23 THERMA LOCK STILE
ARCHETYPE NARROW



26 THERMAL HP INTERLOCKER

Intertek
Report #: E8392-301-18
Date: 07/13/16
Verified by:

COMMENTS	
DRAWN BY	
DATE	
REVISIONS	
DRAWN BY: BL	DATE: 6/22/15
JOB NUMBER: 385199-V2	
MATERIAL: SERIES 3070-T	
CUSTOMER: FLEETWOOD WINDOWS AND DOORS	
JOB NAME: FLEETWOOD TAS & AAMA TEST	

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SCALE
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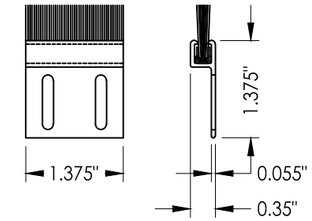
DRAWING NO.
#

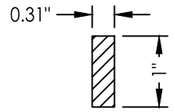
SHEET
8 OF 9

BILL OF MATERIALS

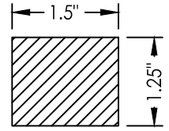
ITEM #	DESCRIPTION	PART#	MATERIAL
B	2X BUCK SG >= 0.55	N/A	WOOD
C	1/4" MAX. SHIM SPACE	N/A	-
D	#10 x 2-1/2" PFH WOOD SCREW	N/A	STEEL
G	#8 x 1-1/2" PFH WOOD SCREW	N/A	STEEL
H	#8 x 3/4" PPH SMS	N/A	STEEL
1	THERMAL HEAD (SINGLE TRACK)	3700	6063-T6 ALUM
2	THERMAL SILL (SINGLE TRACK)	3749	6063-T6 ALUM
3	THERMAL JAMB (SINGLE TRACK)	3711	6063-T6 ALUM
4	TRACK SUPPORT (SUB-SILL)	3774	6063-T6 ALUM
5	HEAD FILLER	3014	6063-T6 ALUM
6	SILL FILLER	3747	6063-T6 ALUM
7	JAMB FILLER	3710	6063-T6 ALUM
8	POST INTERLOCKER (L-TYPE)	3730	6063-T6 ALUM
9	S.S. TRACK	FW1020	STAINLESS STEEL
10	SUB-SILLPAN (1.938" DEPTH)	3722-4-4S	-
12	J-POST INTERLOCKER SNAP-IN	3755	6063-T6 ALUM
15	Q-LON FOAM SEAL	25189	-
16	SMALL FIN SEAL .230	19118	6063-T6 ALUM
17	9/16" GLAZING VINYL (ASTM C864)	25033	6063-T6 ALUM
18	LARGE FIN SEAL .290	19117	6063-T6 ALUM
19	Q-LON (U5212)	19120	6063-T6 ALUM
20	THERMAL TOP RAIL	3004	6063-T6 ALUM
21	THERMAL BOTTOM RAIL	3027	6063-T6 ALUM
23	LOCK STILE (ARCHETYPE NARROW)	3773	6061-T6 ALUM
24	THERMAL LOCK STILE	3771	6061-T6 ALUM
25	HP THERMAL FIXED INTERLOCKER	3728	6061-T6 ALUM
26	HP THERMAL INTERLOCKER	3031	6061-T6 ALUM
27	FEMALE YOKE	3040	6061-T6 ALUM
28	MALE YOKE	3039	6061-T6 ALUM
29	WINDLOAD ADAPTOR	3715	6061-T6 ALUM
30	THERMAL HP ADAPTOR	3716	STAINLESS STEEL
31	0.31" X 1" SOLID ALUMINUM	N/A	6061-T6 ALUM
32	1.25" X 1.5" SOLID ALUMINUM	N/A	6061-T6 ALUM
38	AIR BARRIER (SILL)	25383	-
39	AIR BARRIER (HEAD)	24097	-
40	6" AIR BARRIER FOR HP INTERLOCKER	25562	-
41	STRIKE PLATE	24980	STEEL
43	10-32 X .5" FHP	N/A	STEEL
44	#10 X 1" PHP	N/A	STEEL
45	#8 TEK X 1/2"	N/A	STEEL
46	DOW 995 SILICONE	N/A	-
49	ARCHETYPE NARROW LOCK	-	-
51	ARCHETYPE ROLLERS	-	-



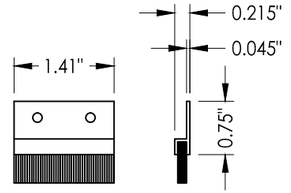
39 AIR BARRIER (HEAD)
(AT INTERLOCKERS)



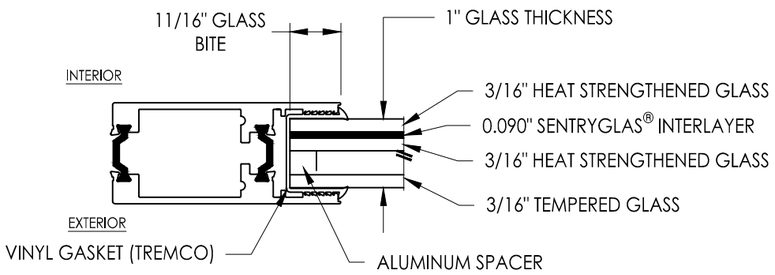
31 ALUMINUM REINFORCEMENT



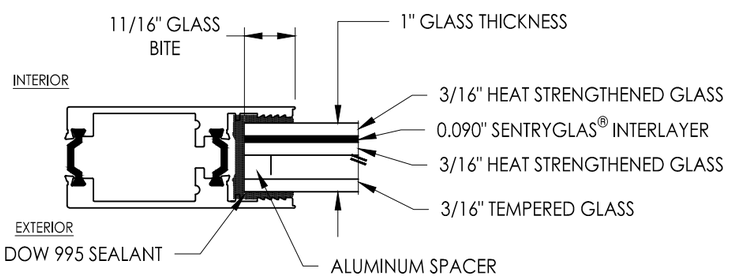
32 ALUMINUM REINFORCEMENT



38 AIR BARRIER (SILL)
(AT INTERLOCKERS)



G1 GLAZING DETAIL
Dry Seal



G2 GLAZING DETAIL
Wet Seal

Intertek

Report #: E8392-301-18
Date: 07/13/16
Verified by:

COMMENTS | DRAWN BY | DATE | REVISIONS

DRAWN BY: BL
DATE: 6/22/15
JOB NUMBER: 385199-V2

MATERIAL: SERIES 3070-T
CUSTOMER: FLEETWOOD WINDOWS AND DOORS
JOB NAME: FLEETWOOD TAS & AAMA TEST

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WINDOWS AND DOORS
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SCALE: DO NOT SCALE
DRAWING NO.: #
SHEET: 9 OF 9