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ALUMINTECHNO, JLLC
TEST REPORT

SCOPE OF WORK
AAMA/WDMA/CSA 101/I.S.2/A440 TESTING ON A DUAL ACTION WINDOW

REPORT NUMBER
I1280.01-525-44 R1

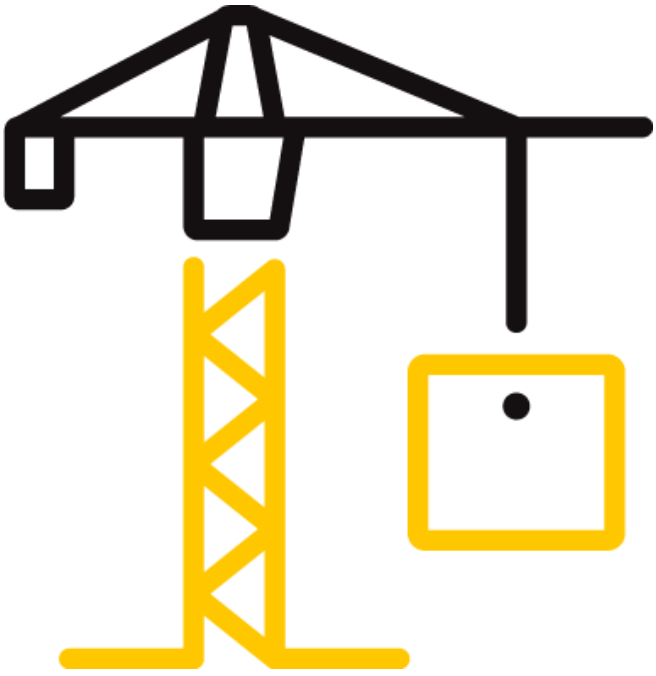
TEST DATE(S)
05/25/18 , 6/1/18, 6/22/18

ISSUE DATE **[REVISED DATE]**
07/20/18 09/07/18

RECORD RETENTION END DATE
07/16/23

PAGES
23

DOCUMENT CONTROL NUMBER
RT-R-AMER-Test-2804 (04/17/18)



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Report No.: I1280.01-525-44 R1
Date: 07/20/18

REPORT ISSUED TO

ALUMINTECHNO, JLLC.
Selitskogo str. 12-211
220075 FEZ "Minsk"
Minsk Region, Minsk Area

SECTION 1

SCOPE

Intertek Building & Construction (B&C) was contracted by AluminTechno, JLLC., to perform testing in accordance with AAMA/WDMA/CSA 101/I.S.2/A440 on their Dual Action Window. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at the Intertek test facility in Farmingdale, NY. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

SECTION 2

SUMMARY OF TEST RESULTS

TITLE	RESULTS
AAMA/WDMA/CSA 101/I.S.2/A440-17	AW-PG80-DAW
Design Pressure	±3830 Pa (±80.00 psf)
Air Infiltration	0.5 L/s/m^2 (0.1 cfm/ft^2)
Water Penetration Resistance Test Pressure	720 Pa (15 psf)

For INTERTEK B&C:

COMPLETED BY:	Craig Ginsberg	**REVIEWED BY:**	Frank Pennisi
TITLE:	Mockup Manager	**TITLE:**	Director of Products & Projects - Farmingdale
SIGNATURE:		**SIGNATURE:**	
DATE:	09/11/18	**DATE:**	09/11/18

CG;jc

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SECTION 3
TEST SPECIFICATION(S)/METHOD(S)

The specimens were evaluated in accordance with the following:

AAMA/WDMA/CSA 101/I.S.2/A440-17- *North American Fenestration Standard/Specification for Windows, Doors, and Skylights*

AAMA 910-10-*Voluntary "Life Cycle" Specification and Test Methods for AW Class Architectural Windows and Doors*

The following test methods were used during testing:

ASTM E283-04(2012), *Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen*

ASTM E330/E330M-14, *Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*

ASTM E331-00(2016), *Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference*

ASTM E547-00(2016), *Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference*

ASTM F588-17, *Standard Test Methods for Measuring the Forced Entry Resistance of Window Assemblies, Excluding Glazing Impact*

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SECTION 4
MATERIAL SOURCE/INSTALLATION

Test specimen was provided by the client. Representative samples of the test specimen(s) will be retained by Intertek B&C for a minimum of four years from the test completion date.

The specimen was installed into a Douglas-Fir or Spruce-Pine-Fir wood buck. The rough opening allowed for a 1/2" shim space and the exterior perimeter of the specimen was sealed to the test buck. Installation of the tested product was performed by the Intertek B&C.

LOCATION	ANCHOR DESCRIPTION	ANCHOR SPACING
Head, Jambs, Sill	Aluminium F-clip with 2 screws per clip that fasten to the buck	6” away from corners and a 1 foot spacing thereafter

SECTION 5
LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Dmitry Avramenko	AluminTechno, JLLC
Craig Ginsberg	Intertek B&C
Dean Montesantos	Intertek B&C

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SECTION 6
TEST SPECIMEN DESCRIPTION

Product Type: Dual action window
Series/Model: W72 DA

Product Size:

OVERALL AREA:	**WIDTH**		**HEIGHT**	
3.8 m² (41.3 ft²)	**millimeters**	**inches**	**millimeters**	**inches**
Overall size	1524	60	2515	99
Vent	1435	56.5	2426	95.5

Frame Construction:

MEMBER	**MATERIAL**	**DESCRIPTION**
Jambs head and sill	Aluminium and plastic	Extrusion with two strut type thermal breaks, two Aluminium hollows and a foam insulation the strut hollow.

	JOINERY TYPE	**DETAIL**
All corners	Mitred	Three corner reinforcements. Two corner keys staked and glued in the Aluminium hollows and one corner reinforcement on the leg caulked in place

Vent Construction:

MEMBER	**MATERIAL**	**DESCRIPTION**
Jambs head and sill	Aluminium and plastic	Extrusion with two strut type thermal breaks, two Aluminium hollows and a foam insulation the strut hollow.

	JOINERY TYPE	**DETAIL**
All corners	Mitred	Three corner reinforcements. Two corner keys staked and glued in the Aluminium hollows and one corner reinforcement on the.

Reinforcement: *No reinforcement was utilized.*

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Weatherstripping: *No weatherstripping was utilized.*

DESCRIPTION	QUANTITY	LOCATION
Goose neck frame gasket	4 rows	Center of frame on head sill and jambs
Goose neck frame gasket (corner Pieces)	4 pcs	Corners of frame
Press in place interior rubber gasket	4 rows	Perimeter leg of vent rails and stiles
Exterior glazing gasket	4 rows	Perimeter of vent
Exterior glazing gasket corner pcs	4 pcs	corners of vent
Inner glazing wedge gasket	4 rows	Wedged in between glazing bead and glass.

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

GLASS TYPE	SPACER TYPE	INTERIOR LITE	EXTERIOR LITE	GLAZING METHOD
1" IG	Aluminium box	¼”	¼”	Dry interior glaze

LOCATION	QUANTITY	DAYLIGHT OPENING		GLASS BITE
		millimeters	inches	
Vent	1	1251 x 2242	49.25 x 88.25	13mm (½”)

Drainage:

METHOD	SIZE	QUANTITY	LOCATION
Frame Weeps with un flapped weep covers	1" wide by 0.25" high	3	Front face of sill 6” from either end and one in the middle
Sash weeps	0.6”x 0.15”	2	Under side of bottom rail 6.75” from either end
Rain cap	53-7/8” long	1	Front face of sill

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Date: 07/20/18

Hardware: as viewed from inside

DESCRIPTION	QUANTITY	LOCATION
Handle set	1	Handle stile
Dual action hinge	2	Top right and bottom right
Tilt limit arm	1	Top left
Pivoting shoot bolt type locking point plus striker for dual action tilt mode	1	Bottom left
Push rod height adjustment device	1	Bottom right jamb/stile
Dual action locking point	1	Bottom left jamb 4” from bottom edge
Cam type locking points left jamb	4	Measured from bottom of unit each locking point is centred at approximately 6.5”, 30.5”, 70”, and 92.75”
Mushroom Paw type locking points left jamb	3	Measured from bottom of unit each locking point is centred at approximately 12”, 53”, and 89”.
Cam type locking points right jamb	3	Measured from bottom of unit each locking point is centred at approximately 35.5”, 70.5”, and 90.5”
Mushroom paw type locking points right jamb	3	Measured from bottom of unit each locking point is centred at approximately 18”, 53.25”, and 88”.
Cam type locking points on sill	2	Measured from left of unit each locking point is centred at approximately 20.125” and 31.5”
Mushroom Paw type locking points on sill	2	Measured from left of unit each locking point is centred at approximately 8.5” and 42.5”
Cam type locking points on head	1	Measured from left of unit the locking point is centred at approximately 22.5”
Mushroom Paw type locking points on head	1	Measured from left of unit the locking point is centred at approximately 32”

Screen Construction: No screen

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Date: 07/20/18

SECTION 7
TEST RESULTS

The temperature during testing was 22°C (72°F). The results are tabulated as follows:

TITLE OF TEST	RESULTS	ALLOWED	NOTE
Operating Force, per ASTM E2068	Initiate Motion: 120 N (27 lbf) Maintain Motion: 8.9 N (2 lbf) Lock: 111 N (25 lbf) UnLock: 22 N (5 lbf)	 Report only Report only Report only Report only	
Air Leakage, Infiltration per ASTM E283 at 300 Pa (6.24 psf)	0.5 L/s/m^2 (0.1 cfm/ft^2)	0.5 L/s/m^2 (0.1 cfm/ft^2) max.	1
Air Leakage, Exfiltration per ASTM E283 at 300 Pa (6.24 psf)	0.35 L/s/m^2 (0.07 cfm/ft^2)	0.5 L/s/m^2 (0.1 cfm/ft^2) max.	1
Air Leakage, Infiltration per ASTM E283 at 75 Pa (1.57 psf)	0.2 L/s/m^2 (0.04 cfm/ft^2)	Report only	1
Air Leakage, Exfiltration per ASTM E283 at 75 Pa (1.57 psf)	0.2 L/s/m^2 (0.04 cfm/ft^2)	Report only	1
Canadian Air Infiltration/Exfiltration Level	A3	0.5 L/s/m^2 (0.1 cfm/ft^2) max.	
Canadian Water Penetration per ASTM E547 and ASTM E331 at 720 Pa (15 psf)	Pass	No leakage	2
VENTING			
Vent Cycling, (First half) per AAMA 910 2000 cycles	Casement Vent: Pass Awning Vent: Pass	 No damage No damage	
Locking Hardware Cycling, (First half) per AAMA 910 2000 cycles	Lock/Handle/Latch: Pass	 No damage	

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TITLE OF TEST	RESULTS	ALLOWED	NOTE
MISUSE TESTING per AAMA 910			
Stabilizing Arm Load Test, at 667 N (150 lbf) three times alternating L/R **Cleaning Position Vertical Load test,** at 667 N (150 lbf)) three times alternating L/R	Pass Pass	No damage No damage	
VENTING			
Vent Cycling, (Second half) per AAMA 910 2000 cycles	Casement Vent: Pass Awning Vent: Pass	No damage No damage	
Locking Hardware Cycling, (Second half) per AAMA 910 2000 cycles	Lock/Handle/Latch: Pass	No damage	
Operating Force, per ASTM E2068	Initiate Motion: 85 N (19 lbf) Maintain Motion: 18 N (4 lbf) Lock: 89 N (20 lbf) UnLock: 22 N (5 lbf)	155 N (35 lbf) max 135 N (30 lbf) max Report only Report only	5
Air Leakage, (optional) Infiltration per ASTM E283 at 300 Pa (6.24 psf)	0.2 L/s/m^2 (0.04 cfm/ft^2)	0.5 L/s/m^2 (0.1 cfm/ft^2) max.	1
Air Leakage, (optional) Exfiltration per ASTM E283 at 300 Pa (6.24 psf)	<0.05 L/s/m^2 (<0.01 cfm/ft^2)	0.5 L/s/m^2 (0.1 cfm/ft^2) max.	1
Air Leakage, (optional) Infiltration per ASTM E283 at 75 Pa (1.57 psf)	0.1 L/s/m^2 (0.02 cfm/ft^2)	Report only	1
Air Leakage, (optional) Exfiltration per ASTM E283 at 75 Pa (1.57 psf)	<0.05 L/s/m^2 (<0.01 cfm/ft^2)	Report only	1
Canadian Air Infiltration/Exfiltration Level	A3	0.5 L/s/m^2 (0.1 cfm/ft^2) max.	

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Date: 07/20/18

TITLE OF TEST	RESULTS	ALLOWED	NOTE
Water Penetration, (optional) per ASTM E547 and ASTM E331 at 580 Pa (12 psf)	Pass	No leakage	2
Canadian Water Penetration, (optional) per ASTM E547 and ASTM E331 at 720 Pa (15 psf)	Pass	No leakage	2
Thermal Cycling, per AAMA 501.5 six cycles from 0°F to 180°F	See Thermal Results Table		
Uniform Load Max Deflection, per ASTM E330 Deflections taken at top rail at longest locking point span +3840 Pa (+80 psf) -3840 Pa (-80 psf)	 0.8 mm (0.03") 1.3 mm (0.05")	 3.3 mm (0.13") max. 3.3 mm (0.13") max.	 6, 4, 3
Air Leakage, Infiltration per ASTM E283 at 300 Pa (6.24 psf)	0.2 L/s/m^2 (0.01 cfm/ft^2)	0.5 L/s/m^2 (0.1 cfm/ft^2) max.	1
Canadian Water Penetration, per ASTM E547 and ASTM E331 at 720 Pa (15 psf)	Pass	No leakage	2
Uniform Load Structural Permanent Set, per ASTM E330 Permanent set taken at top rail at longest locking point span +5760 Pa (+120 psf) -5760 Pa (-120 psf)	 0.3 mm (0.01") 0.3 mm (0.01")	 1.3 mm (0.05") max. 1.3 mm (0.05") max.	 4,3
Forced Entry Resistance, per ASTM F588 Type: A - Grade: 10	Pass	No entry	

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Date: 07/20/18

TITLE OF TEST	RESULTS	ALLOWED	NOTE
Sash/Leaf Torsion 70 N (15 lbf)	 114.3 mm (4.5")	 200.7 mm (7.9") max.	
Sash/Leaf Concentrated Load Test on Latch Rail (Horizontal) 270 N (60.70 lbf) 400 N (89.92lbf)	 0.5 mm (0.02") 0.8 mm (0.03")	 1.5 mm (0.06") max. 6.4 mm (0.25") max.	
Sash/Leaf Concentrated Load Test on Latch Rail (Vertical) 270 N (60.70 lbf) 400 N (89.92lbf)	 0.8 mm (0.03") 1.3 mm (0.05")	 1.5 mm (0.06") max. 6.4 mm (0.25") max.	

Thermal Results:

INDICATOR LOCATION See photo 1, and 2 for thermocouple locations.	At end of cold cycle 2 hrs @ 0 F exterior ambient	At end of Hot cycle 2 hrs @ + 180 F exterior ambient
1) Exterior ambient	0	180.0
2) Interior ambient	70.8	76.2
3) Edge of glass at mid span of hinge stile	48	116.5
4) Edge of glass at bottom corner	39.4	114
5) Vent corner	56.5	93.8
6) Glazing bead near glass at bottom corner of vent	54	96.2
7) Bottom corner of frame	56.3	91.4
8) Center of glass	54	109.6
9) Glazing bead at mid span of hinge stile	58.5	84.2
10) Mid span of hinge stile	60	94.6
11) Frame adjacent to Mid span of hinge stile	59.8	94.0

Note 1: The tested specimen meets (or exceeds) the performance levels specified in AAMA/WDMA/CSA 101/I.S.2/A440 for air leakage resistance.

Note 2: Without insect screen.

Note 3: Loads were held for 10 seconds.

Note 4: Tape and film were not used to seal against air leakage during structural testing.

Note 5: Adjustments made to locking hardware.

Note 6: The top corner of vent popped open at 59 psf. Adjustments were made and the test was repeated where it popped open again at 47.5 psf. A final round of adjustments achieved the passing results reported.

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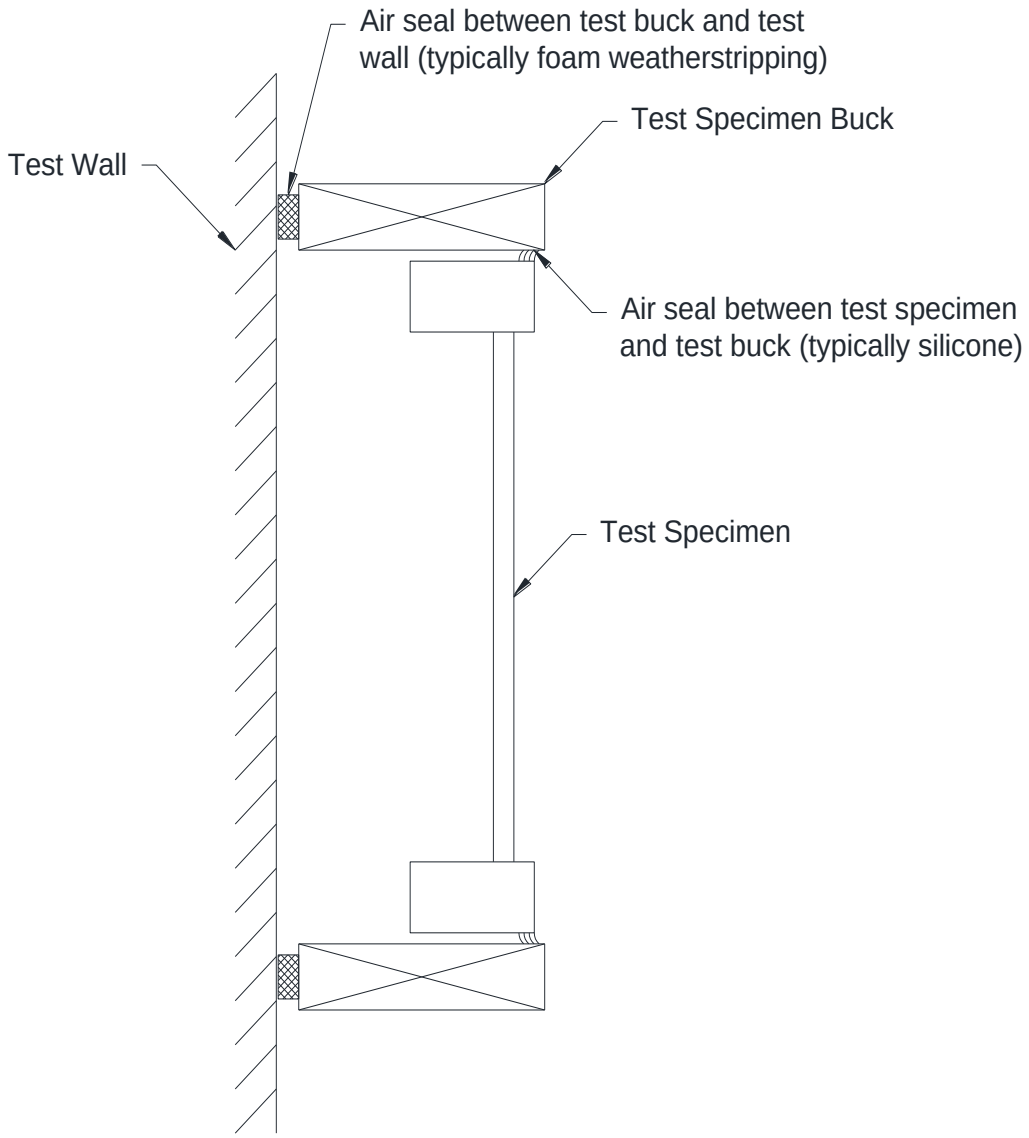
SECTION 8
LOCATION OF AIR SEAL

The air seal between the test specimen and the test wall is detailed below. The seal is made of foam weatherstripping and is attached to the edge of the test specimen buck. The test specimen buck is placed against the test wall and clamped in place, compressing the weatherstripping and creating a seal.



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SECTION 9
CONCLUSION

The specimen tested successfully met the performance requirements for an AW-PG80-DAW rating.

TEST SPECIMEN(S)	TITLE	SUMMARY OF RESULTS
1	101/I.S.2/A440-17	AW-PG80-DAW

SECTION 10
PHOTOGRAPHS

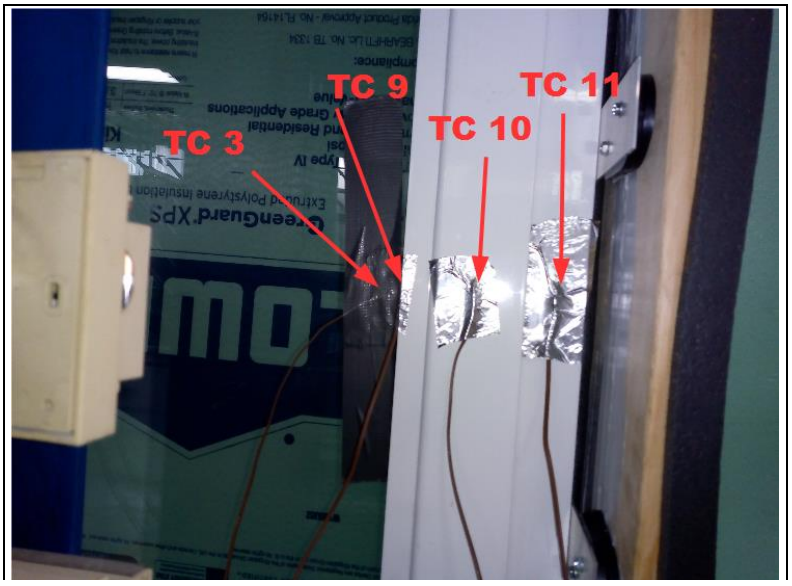

Photo No. 1
Thermocouple locations chosen for sectional study of jamb detail

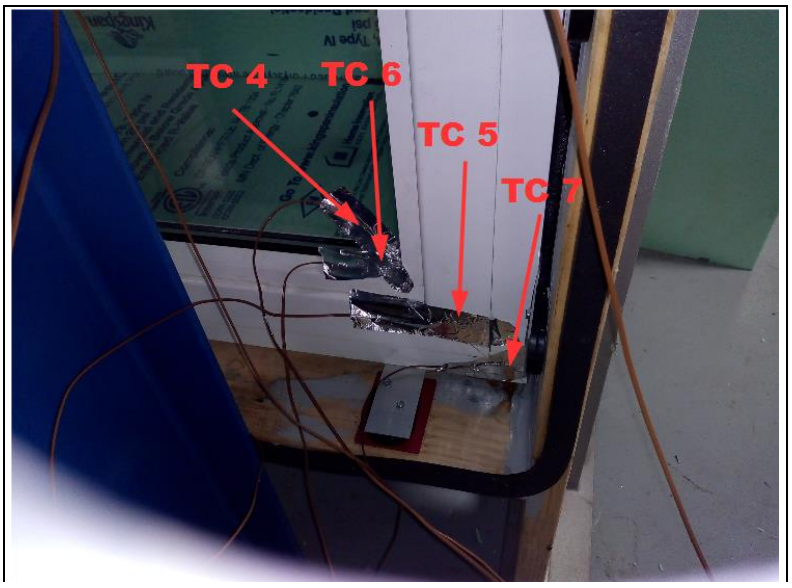

Photo No. 2
Thermocouple locations chosen for sectional study of corner detail

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Date: 07/20/18

Photo No. 3
Unit During Thermal Cycling

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Date: 07/20/18

Photo No. 4
Interior View of unit

Photo No. 5
Views of frame corners with hardware

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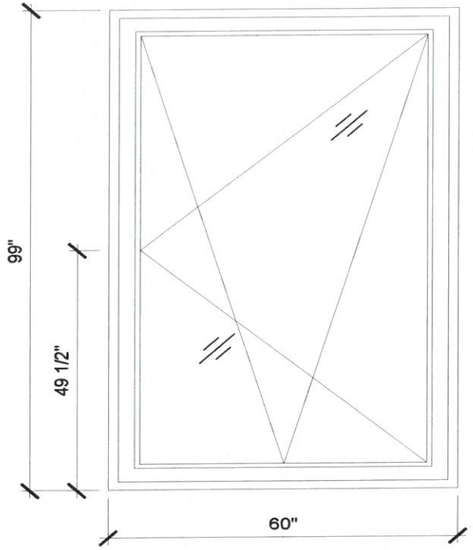
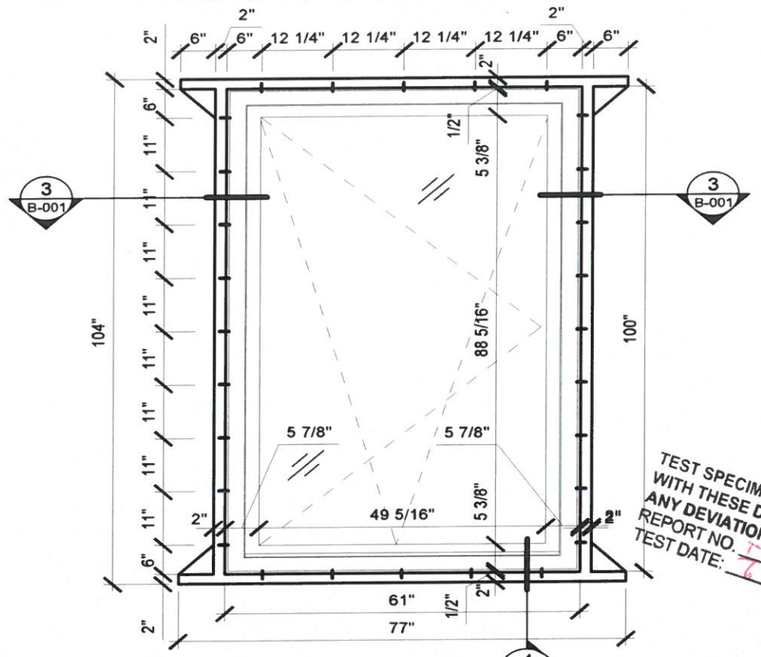
SECTION 11
DRAWINGS

The test specimen drawings have been reviewed by Intertek B&C and are representative of the test specimen(s) reported herein. Test specimen construction was verified by Intertek B&C per the drawings included in this report. Any deviations are documented herein or on the drawings.



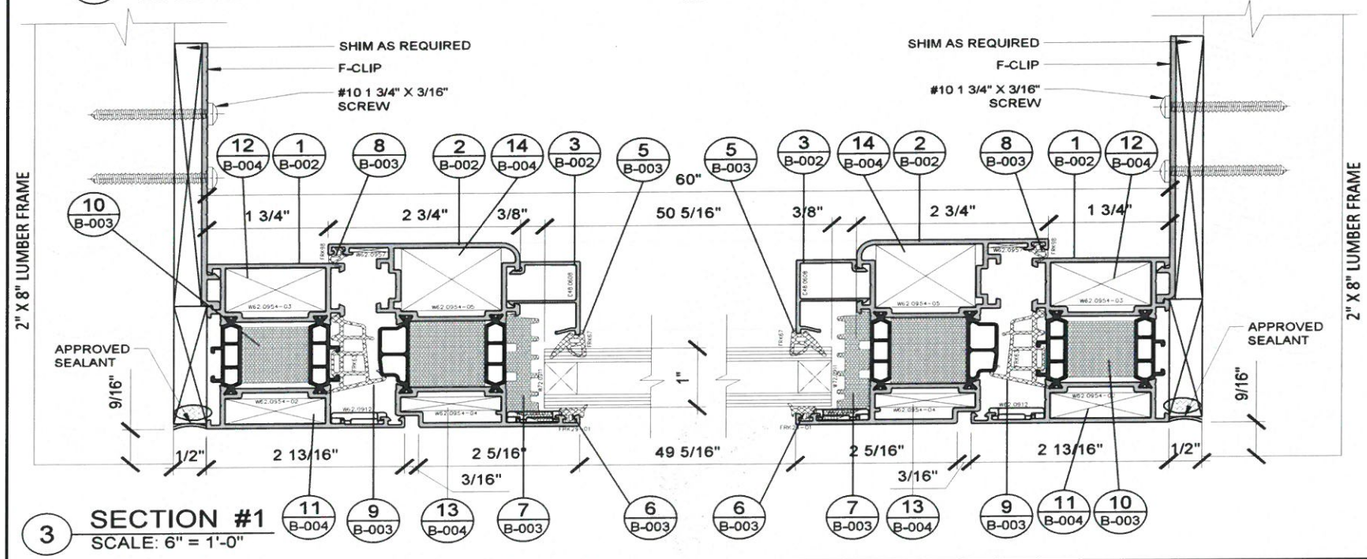
1 WINDOW ELEVATION INTERIOR VIEW
SCALE: 1/2" = 1'-0"



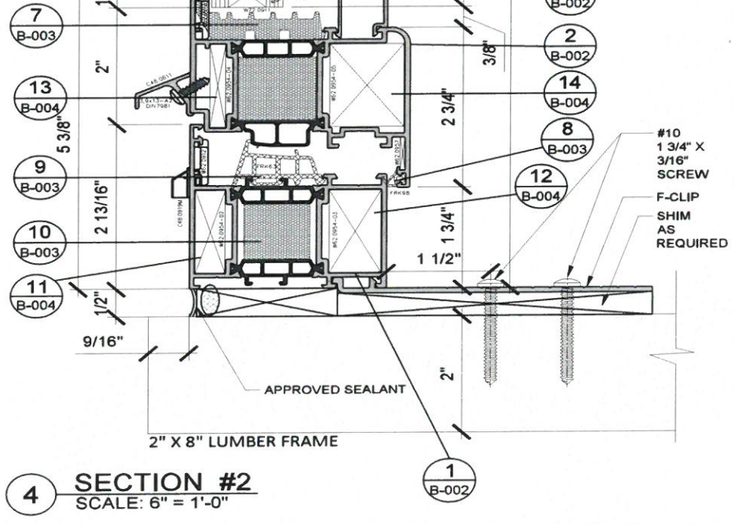
2 WINDOW ELEVATION EXTERIOR VIEW
SCALE: 1/2" = 1'-0"

TEST SPECIMEN COMPLIES WITH THESE DETAILS
ANY DEVIATION IS NOTED
REPORT NO. T-12733-01-525-44
TEST DATE: 7-22-16

SYMBOL LEGEND:
— -#10 1 3/4" X 3/16" SCREW



3 SECTION #1
SCALE: 6" = 1'-0"



4 SECTION #2
SCALE: 6" = 1'-0"

CLIENT: AluminTechno
PROJECT NAME: 60" X 99" AW
PREPARED BY: CAD SHOPS
PROJECT ADDRESS: 130 DERRY CT YORK, PA 17406

DATE	REVISION	#

APPROVED

CLIENT'S SIGNATURE _____

DATE ____/____/_____

SPECIAL NOTES:

DO NOT SCALE DRAWINGS

ALL DIMENSIONS TO BE FIELD VERIFIED PRIOR TO ANY FABRICATION.

DRAWING TITLE:

ASSEMBLY DRAWING AND SECTIONS

REVIEWED BY PROJECT MANAGER

BY:____ DATE:_____

NOTE:_____

DIMENSIONS FIELD VERIFIED

BY:____ DATE:_____

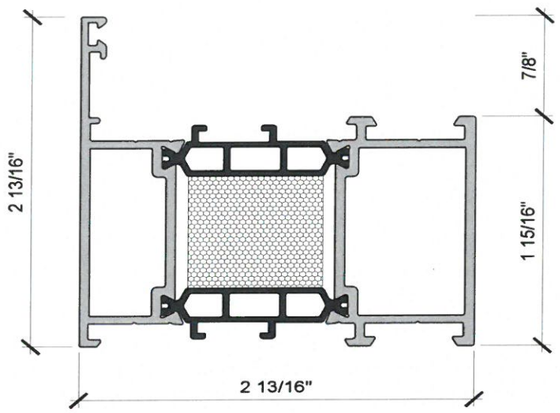
NOTE:_____

DATE: 08.02.2018

DRAWN BY: EG

CHECKED BY: AA

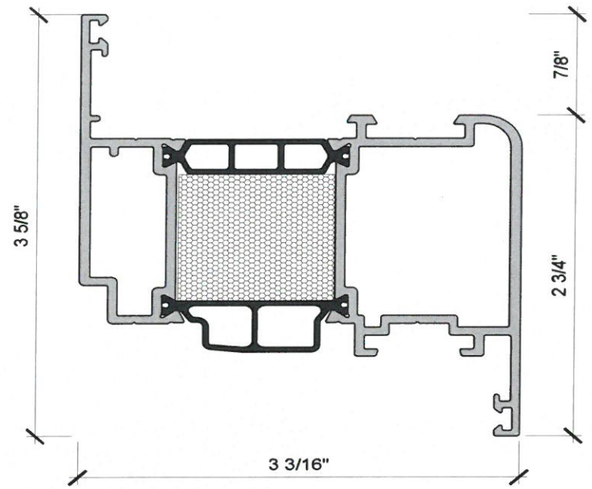
DRAWING No: B-001.00 | SIZE: B



Material: Extruded Aluminum with Thermal Break

HEAD, SILL, SIDE JAMBS MOLDING EXTRUSION W72.0103E

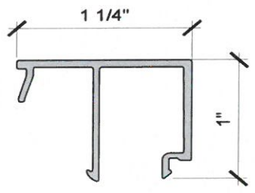
1 SCALE: 1'-0" = 1'-0"



Material: Extruded Aluminum with Thermal Break

SASH MOLDING EXTRUSION W72.0203E

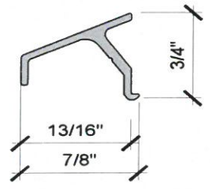
2 SCALE: 1'-0" = 1'-0"



Material: Extruded Aluminum

GLAZING BEAD EXTRUSION C48.0608

3 SCALE: 1'-0" = 1'-0"



Material: Extruded Aluminum

WATER DEFLECTOR EXTRUSION C48.0611

4 SCALE: 1'-0" = 1'-0"

TEST SPECIMEN COMPLIES WITH THESE DETAILS
ANY DEVIATION IS NOTED
REPORT NO. E107201-525-49
TEST DATE: 5-22-16

CLIENT:

AluminTechno
ALUMINUM PROFILE SYSTEMS

PROJECT NAME:

60" X 99" AW

PREPARED BY:

CAD SHOPS

PROJECT ADDRESS:

130 DERRY CT YORK, PA 17406

DATE	REVISION	#

APPROVED

CLIENT'S SIGNATURE _____

DATE ____/____/_____

SPECIAL NOTES:

DO NOT SCALE DRAWINGS

ALL DIMENSIONS TO BE FIELD VERIFIED PRIOR TO ANY FABRICATION.

DRAWING TITLE:

INDIVIDUAL FRAME AND SASH COMPONENTS SECTIONS

REVIEWED BY PROJECT MANAGER

BY:_____ DATE:_____

NOTE:_____

DIMENSIONS FIELD VERIFIED

BY:_____ DATE:_____

NOTE:_____

DATE: 08.02.2018

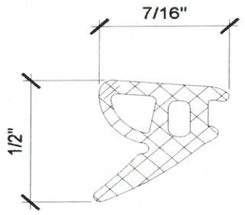
DRAWN BY: EG

CHECKED BY: AA

DRAWING No: B-002.00

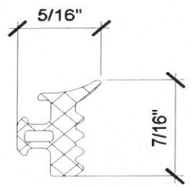
SIZE: B

TEST SPECIMEN COMPLIES
WITH THESE DETAILS
ANY DEVIATION IS NOTED
REPORT NO. E-172391-526-44
TEST DATE: 6-22-16



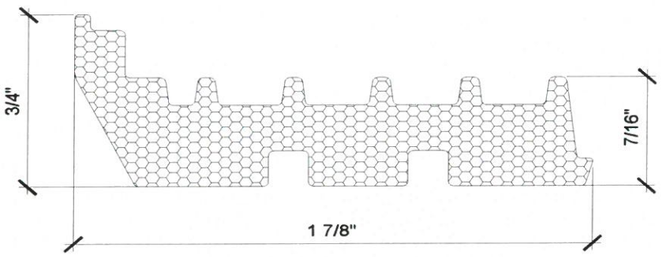
Material: Rubber

5 INTERIOR GASKET FRK67
SCALE: 2'-0" = 1'-0"



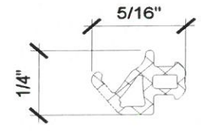
Material: Rubber

6 EXTERIOR GASKET FRK29-01
SCALE: 2'-0" = 1'-0"



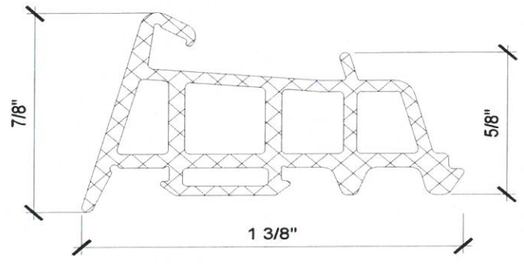
Material: PU

7 FOAM INSULATION W72.0911
SCALE: 2'-0" = 1'-0"



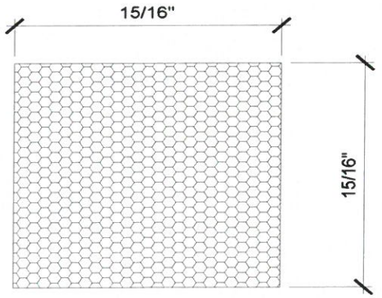
Material: Rubber

8 INTERIOR GASKET FRK98
SCALE: 2'-0" = 1'-0"



Material: Rubber

9 FRAME GASKET FRK63
SCALE: 2'-0" = 1'-0"



Material: PU

10 FOAM INSULATION
SCALE: 2'-0" = 1'-0"

CLIENT:
AluminTechno
ALUMINUM FRISTYLE SYSTEMS

PROJECT NAME:
60" X 99" AW

PREPARED BY:
CAD SHOPS

PROJECT ADDRESS:
130 DERRY CT YORK, PA 17406

DATE	REVISION	#

APPROVED
CLIENT'S SIGNATURE _____
DATE ____/____/_____

SPECIAL NOTES:
DO NOT SCALE DRAWINGS
ALL DIMENSIONS TO BE FIELD VERIFIED PRIOR TO ANY FABRICATION.

DRAWING TITLE:
INDIVIDUAL FRAME AND SASH COMPONENTS SECTIONS

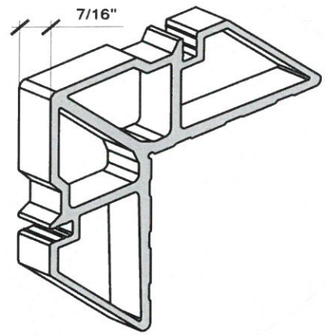
REVIEWED BY PROJECT MANAGER
BY:____ DATE:_____
NOTE:_____

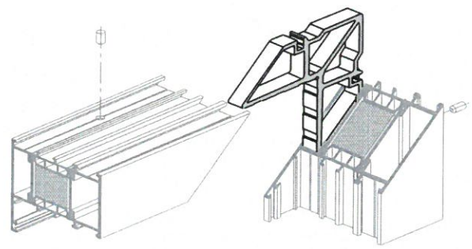
DIMENSIONS FIELD VERIFIED
BY:____ DATE:_____
NOTE:_____

DATE: 08.02.2018
DRAWN BY: EG
CHECKED BY: AA

DRAWING No: B-003.00
SIZE: B

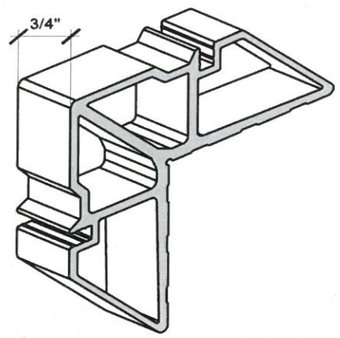
TEST SPECIMEN COMPLIES
WITH THESE DETAILS
ANY DEVIATION IS NOTED
REPORT NO. LR2201-52544
TEST DATE: 6-22-18

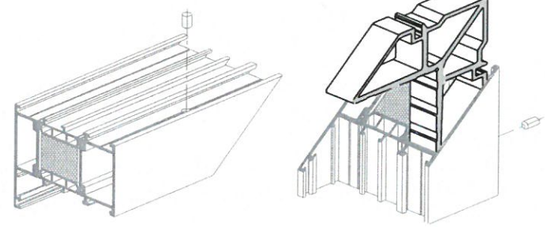




Material: Extruded Aluminum

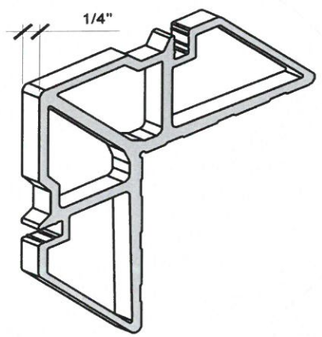
11 CORNER KEY EXTRUSION W62.0954-02
SCALE: 6" = 1'-0"

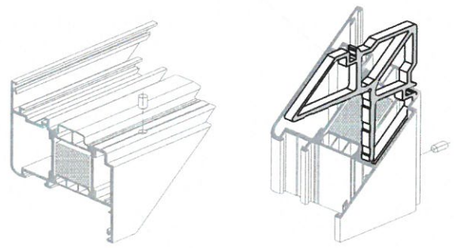




Material: Extruded Aluminum

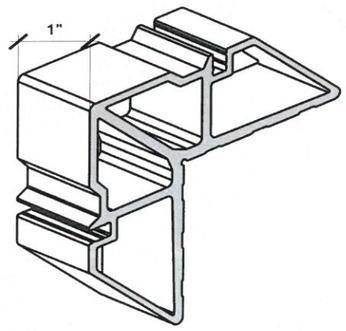
12 CORNER KEY EXTRUSION W62.0954-03
SCALE: 6" = 1'-0"

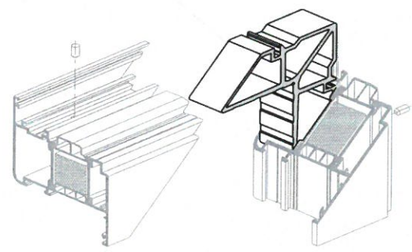




Material: Extruded Aluminum

13 CORNER KEY EXTRUSION W62.0954-04
SCALE: 6" = 1'-0"





Material: Extruded Aluminum

14 CORNER KEY EXTRUSION W62.0954-05
SCALE: 6" = 1'-0"

CLIENT:

AluminTechno
ALUMINUM PROFILE SYSTEMS

PROJECT NAME:

60" X 99" AW

PREPARED BY:

CAD SHOPS

PROJECT ADDRESS:

130 DERRY CT YORK, PA 17406

DATE	REVISION	#

APPROVED

CLIENT'S SIGNATURE _____

DATE ____/____/_____

SPECIAL NOTES:

DO NOT SCALE DRAWINGS

ALL DIMENSIONS TO BE FIELD VERIFIED PRIOR TO ANY FABRICATION.

DRAWING TITLE:

CORNER KEYS

REVIEWED BY PROJECT MANAGER

BY:_____ DATE:_____

NOTE:_____

DIMENSIONS FIELD VERIFIED

BY:_____ DATE:_____

NOTE:_____

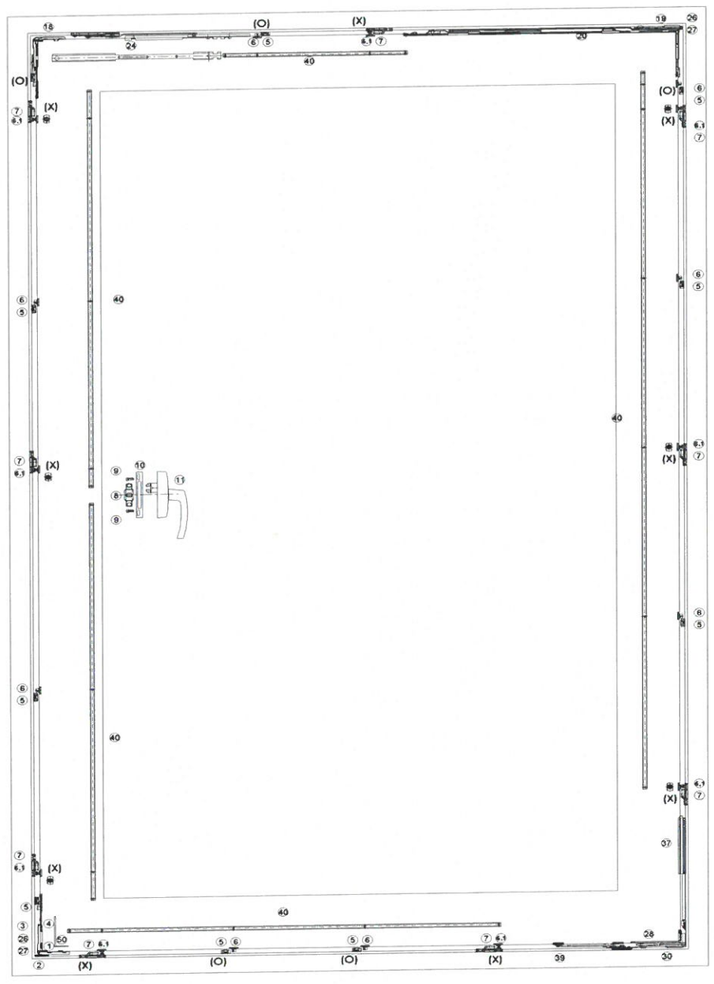
DATE: 08.02.2018

DRAWN BY: EG

CHECKED BY: AA

DRAWING No: | SIZE: B

B-004.00



1 HARDWARE DIAGRAM
SCALE: 1" = 1'-0"

TEST SPECIMEN COMPLIES
WITH THESE DETAILS
ANY DEVIATION IS NOTED
REPORT NO. LD23.01-S15 49
TEST DATE: 02-18

(1)(2)(3)(4)(5)(6)(18) locking elements kit - art. 728804

(5) strike plate - art. 728918

(6) locking element, snap in - art. 334671

(8) T-receptor - art. 334574

(9)(10) handle bearing - art. 331937

(11) handle ROTO LINE - art. 377400

(19)(20) compass arm 735 - art. 624958 (R) / 740838 (R)

(28)(30) hinge group - art. 739699 (R) / 624973 (R)

(26)(27)(5)(6) corner switch MV art. 728842 - 2 pcs

(40) rod profile - art. AYPC.W62.0607

(50) groove corner VTC - art. AYPC.W62.0968 - 2 pcs

(6.1)(7) antiburglar elements - art. 212637 / 447245 - 9 pcs

(37) reinforcement kit up to 150 kg - art. 739693 (R)

(39) opening stop - art. 740814

CLIENT:

AluminTechno
ALUMINUM PROFILE SYSTEMS

PROJECT NAME:

60" X 99" AW

PREPARED BY:

CAD SHOPS

PROJECT ADDRESS:

130 DERRY CT YORK, PA 17406

DATE	REVISION	#

APPROVED

CLIENT'S SIGNATURE _____

DATE ____/____/_____

SPECIAL NOTES:

DO NOT SCALE DRAWINGS

ALL DIMENSIONS TO BE FIELD VERIFIED PRIOR TO ANY FABRICATION.

DRAWING TITLE:

HARDWARE DETAILS

REVIEWED BY PROJECT MANAGER

BY:_____ DATE:_____

NOTE:_____

DIMENSIONS FIELD VERIFIED

BY:_____ DATE:_____

NOTE:_____

DATE: 08.02.2018

DRAWN BY: EG

CHECKED BY: AA

DRAWING No: | SIZE: B

B-006.00

145 Sherwood Avenue
Farmingdale, New York 11735

Telephone: 631-815-1900
www.intertek.com/building

TEST REPORT FOR ALUMINTECHNO, JLLC
Report No.: I1280.01-525-44 R1
Date: 07/20/18

SECTION 12
REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	07/20/18	N/A	Original Report Issue
1	09/07/18		Changed some typo rounding errors with structural pressures, client address changed.