

WOODUPP MIAMI-DADE TEST REPORT

SCOPE OF WORK

TAS 202, AND TAS 203 TESTING ON ALUWOOD SIDING

REPORT NUMBER

T2105.01-450-18 R0

TEST DATE(S)

12/05/25 - 02/25/26

ISSUE DATE

04/29/26

MIAMI-DADE COUNTY NOTIFICATION NO.

ATI 25260

LABORATORY CERTIFICATION NO.

22-0428.13

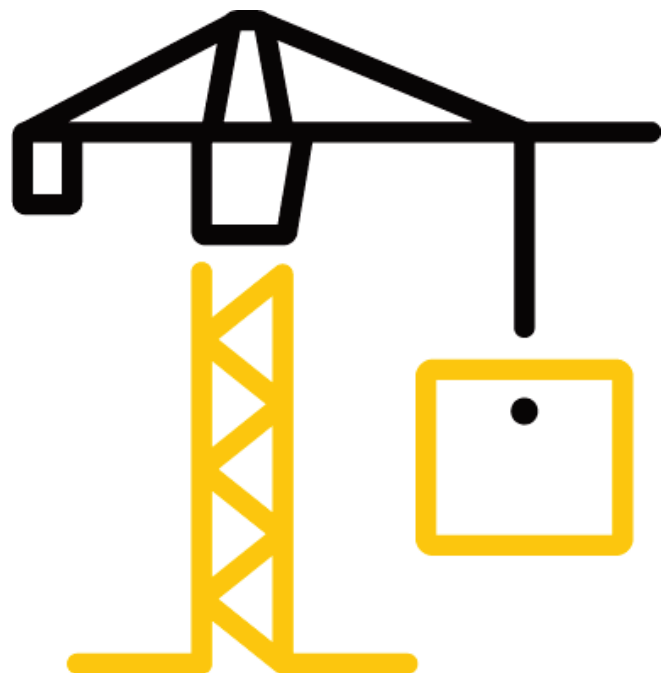
PAGES

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DOCUMENT CONTROL NUMBER

RT-R-AMER-Test-2816 (06/21/24)

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TEST REPORT FOR WOODUPP

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Date: 04/29/26

REPORT ISSUED TO

WOODUPP

391 Hickory Street

Mt. Airy, NC 27030

SECTION 1

SCOPE

Architectural Testing, Inc. (an Intertek company) dba Intertek Building & Construction (B&C) was contracted by WoodUpp to perform TAS 202 and TAS 203 testing in general accordance with Miami-Dade County requirements on their Aluwood Siding. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at the Intertek B&C test facility in West Palm Beach, FL. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

SECTION 2

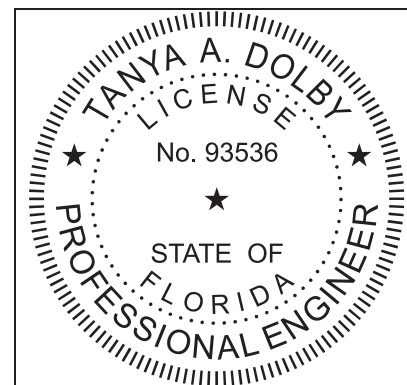
SUMMARY OF TEST RESULTS

The specimen(s) tested met the performance requirements set forth in the protocols.

Product Type:

Series/Model:

SPEC.	TEST PROTOCOL	DESIGN PRESSURE
Wood Studs	TAS 202 / TAS 203	+177.3 / -177.3 psf
Steel Studs	TAS 202 / TAS 203	+177.3 / -177.3 psf
CMU Wall	TAS 202 / TAS 203	+177.3 / -177.3 psf



For INTERTEK B&C:

COMPLETED BY: Seth Allen

TITLE: Project Lead

SIGNATURE:

DATE: 04/29/26

Seth Allen
Digitally Signed by: Seth Allen

REVIEWED BY:

TITLE:

SIGNATURE:

DATE:

Tanya Dolby, P.E.

Engineering Manager –
Engineering Services

Tanya Dolby
Digitally Signed by: Tanya Dolby

Date: 2026.04.30
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04/29/26

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SECTION 3

TEST METHOD(S)

The specimens were evaluated in general accordance with the following:

TAS 202-94, *Criteria for Testing Impact & Non Impact Resistant Building Envelope Components Using Uniform Static Air Pressure* (Air and Water were not performed)

TAS 203-94, *Criteria for Testing Products Subject to Cyclic Wind Pressure Loading* (Three substrates were used, no impacts were performed)

SECTION 4

MATERIAL SOURCE/INSTALLATION

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

SUBSTRATES:

Mock-Up # 1: Wood Substrate

A 49" x 94-1/2" Wood Stud Wall was constructed with 2x6 spaced 16" O.C. 5/8" 4 ply plywood was used as sheathing. Plywood was nailed to 2x6 studs with 8d coated ring shank nails spaced 6" O.C.

Mock-Up # 2: Metal Substrate

A 49" x 94-1/2" Steel Stud Wall was constructed with 18Ga 6" Deep x 1-5/8" flange Steel Studs spaced 16" O.C. 5/8" 4 ply plywood was used as sheathing. Plywood was nailed to 2x6 studs with #12 x1-1/2 Flat head screws spaced 6" O.C.

Mock-Up # 3: CMU Wall

A 49" x 94-1/2" CMU wall was constructed with 2 columns of cinder blocks mortared and stacked reaching the height of 94-1/2". A piece of rebar was positioned in the center of the of each column blocks then filled with cement.

SECTION 5

EQUIPMENT

Timing Device: Electronic beam type

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

Deflection Measuring Device: Linear transducers

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LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Josh Leftwich	WoodUpp
Seth Allen	Intertek B&C
Cesar Prieto	Intertek B&C
Charles Gilbert	Intertek B&C

SECTION 7

TEST SPECIMEN DESCRIPTION

Product Type:

Series/Model:

Product Size(s):

OVERALL AREA:	WIDTH		HEIGHT	
32.1 ft ²	Millimetres	Inches	Millimetres	Inches
Overall Size	1245	49	2393	94-12"

Mock-ups #1, 2, & 3:

Components	details	attachment method
Underlayment	A double layer was used over the plywood.	Loose laid
Aluwood Siding Panels	The panels were constructed from 0.032 Aluminum and had an 16" Coverage. 2 Full width panels and 1 partial panel were tested.	The panels were secured with #12 x 1-1/4" Pan hand self-tapping screws spaced 32" O.C and every third valley

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SECTION 8

TEST RESULTS

Protocol TAS 202-94, Static Air Pressure

Test Date(s): 12/05/25 through 02/24/26

The temperature during testing was 68°F - 74°F. The results are tabulated as follows:

Test Specimen #1: Preload and Design Load per TAS 202

LOAD (psf)	INDICATOR LOCATION	DEFLECTION (in.)		PERMANENT SET (in.)	
		MEASURED	NET	MEASURED	NET
+133.0 50% of Test Pressure	1	0.15	0.31	0.04	0.01
	2	0.55		0.06	
	3	0.32		0.06	
+177.3 Design Pressure	1	0.18	0.44	0.06	<0.01
	2	0.72		0.03	
	3	0.38		0.06	
-133.0 50% of Test Pressure	1	0.25	0.59	0.06	0.02
	2	0.89		0.09	
	3	0.35		0.09	
-177.3 Design Pressure	1	0.42	0.50	0.11	0.04
	2	0.92		0.15	
	3	0.41		0.12	

Test Specimen #1: Structural Overload Load per TAS 202

LOAD (psf)	INDICATOR LOCATION	DEFLECTION (in.)		PERMANENT SET (in.)	
		MEASURED	NET	MEASURED	NET
+266.0 Test Pressure	1	0.26	0.58	0.09	<0.01
	2	0.97		0.08	
	3	0.52		0.10	
-266.0 Test Pressure	1	0.66	0.50	0.17	0.08
	2	1.17		0.23	
	3	0.67		0.12	

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Test Specimen #2: Preload and Design Load per TAS 202

LOAD (psf)	INDICATOR LOCATION	DEFLECTION (in.)		PERMANENT SET (in.)	
		MEASURED	NET	MEASURED	NET
+133.0 50% of Test Pressure	1	0.17	0.46	0.04	0.06
	2	0.63		0.10	
	3	0.16		0.04	
+177.3 Design Pressure	1	0.19	0.58	0.03	0.05
	2	0.79		0.08	
	3	0.22		0.03	
-133.0 50% of Test Pressure	1	0.37	0.75	0.06	0.11
	2	1.24		0.20	
	3	0.61		0.11	
-177.3 Design Pressure	1	0.49	1.67	0.07	0.34
	2	2.28		0.44	
	3	0.72		0.13	

Test Specimen #2: Structural Overload Load per TAS 202

LOAD (psf)	INDICATOR LOCATION	DEFLECTION (in.)		PERMANENT SET (in.)	
		MEASURED	NET	MEASURED	NET
+266.0 Test Pressure	1	0.27	0.64	0.09	0.06
	2	0.98		0.16	
	3	0.40		0.10	
-266.0 Test Pressure	1	0.72	2.0	0.13	0.38
	2	2.90		0.56	
	3	1.07		0.22	

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Test Specimen #3: Preload and Design Load per TAS 202

LOAD (psf)	INDICATOR LOCATION	DEFLECTION (in.)		PERMANENT SET (in.)	
		MEASURED	NET	MEASURED	NET
+133.0 50% of Test Pressure	1	0.22	0.04	0.03	0.02
	2	0.30		0.04	
	3	0.31		0.09	
+177.3 Design Pressure	1	0.24	0.07	0.03	0.01
	2	0.34		0.05	
	3	0.29		0.05	
-133.0 50% of Test Pressure	1	0.03	0.10	0.02	0.01
	2	0.14		0.03	
	3	0.06		0.02	
-177.3 Design Pressure	1	0.03	0.10	0.01	<0.01
	2	0.14		0.01	
	3	0.05		0.01	

Test Specimen #3: Structural Overload Load per TAS 202

LOAD (psf)	INDICATOR LOCATION	DEFLECTION (in.)		PERMANENT SET (in.)	
		MEASURED	NET	MEASURED	NET
+266.0 Test Pressure	1	0.28	0.10	0.04	0.02
	2	0.40		0.06	
	3	0.32		0.05	
-266.0 Test Pressure	1	0.05	0.13	0.02	0.01
	2	0.19		0.02	
	3	0.06		0.01	

Note 1: Positive and negative uniform static load test loads were held for 30 seconds.

Note 2: Tape and film were not used to seal against air leakage during structural testing.

Note 3: See Sketch #1 for indicator locations. Net deflection/permanent set reported is the overall deflection between three points (longest unsupported span) which accounts for support movement.

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Protocol TAS 203-94, Cyclic Wind Pressure Loading
Test Date(s): 12/09/25 through 2/25/26

The temperature during testing was 65°F - 74°F. The results are tabulated as follows:

Test Specimen #1: Cyclic Test Spectrum and Average Cycle Time per TAS 203

DESIGN PRESSURE	STAGE		
+177.3 / -177.3 psf	1	2	3
POSITIVE PRESSURE RANGE (psf)	0 – 88.6	0 – 106.3	0 – 230.4
AVERAGE CYCLE TIME (sec.)	2.9	3.0	1.0
NUMBER OF CYCLES	600	70	1
	4	5	6
NEGATIVE PRESSURE RANGE (psf)	0 – 88.6	0 – 106.3	0 – 230.4
AVERAGE CYCLE TIME (sec.)	3.0	3.2	1.0
NUMBER OF CYCLES	600	70	1

Test Specimen #2: Cyclic Test Spectrum and Average Cycle Time per TAS 203

DESIGN PRESSURE	STAGE		
+177.3 / -177.3 psf	1	2	3
POSITIVE PRESSURE RANGE (psf)	0 – 88.6	0 – 106.3	0 – 230.4
AVERAGE CYCLE TIME (sec.)	3.0	3.2	1.0
NUMBER OF CYCLES	600	70	1
	4	5	6
NEGATIVE PRESSURE RANGE (psf)	0 – 88.6	0 – 106.3	0 – 230.4
AVERAGE CYCLE TIME (sec.)	3.1	3.3	1.0
NUMBER OF CYCLES	600	70	1

Test Specimen #3: Cyclic Test Spectrum and Average Cycle Time per TAS 203

DESIGN PRESSURE	STAGE		
+177.3 / -177.3 psf	1	2	3
POSITIVE PRESSURE RANGE (psf)	0 – 88.6	0 – 106.3	0 – 230.4
AVERAGE CYCLE TIME (sec.)	3.8	3.9	1.0
NUMBER OF CYCLES	600	70	1
	4	5	6
NEGATIVE PRESSURE RANGE (psf)	0 – 88.6	0 – 106.3	0 – 230.4
AVERAGE CYCLE TIME (sec.)	3.6	3.6	1.0
NUMBER OF CYCLES	600	70	1

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CONCLUSIONS

No signs of failure were observed in any area of the test specimen during the TAS 202 testing; as such, the test specimen satisfies the requirements of TAS 202. Upon completion of testing, specimens tested for TAS 202-94 met the requirements of Section 1620 of the Florida Building Code, Building.

No signs of failure were observed 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. Upon completion of testing, specimens tested for TAS 203-94 met the requirements of Section 1625 of the Florida Building Code, Building.

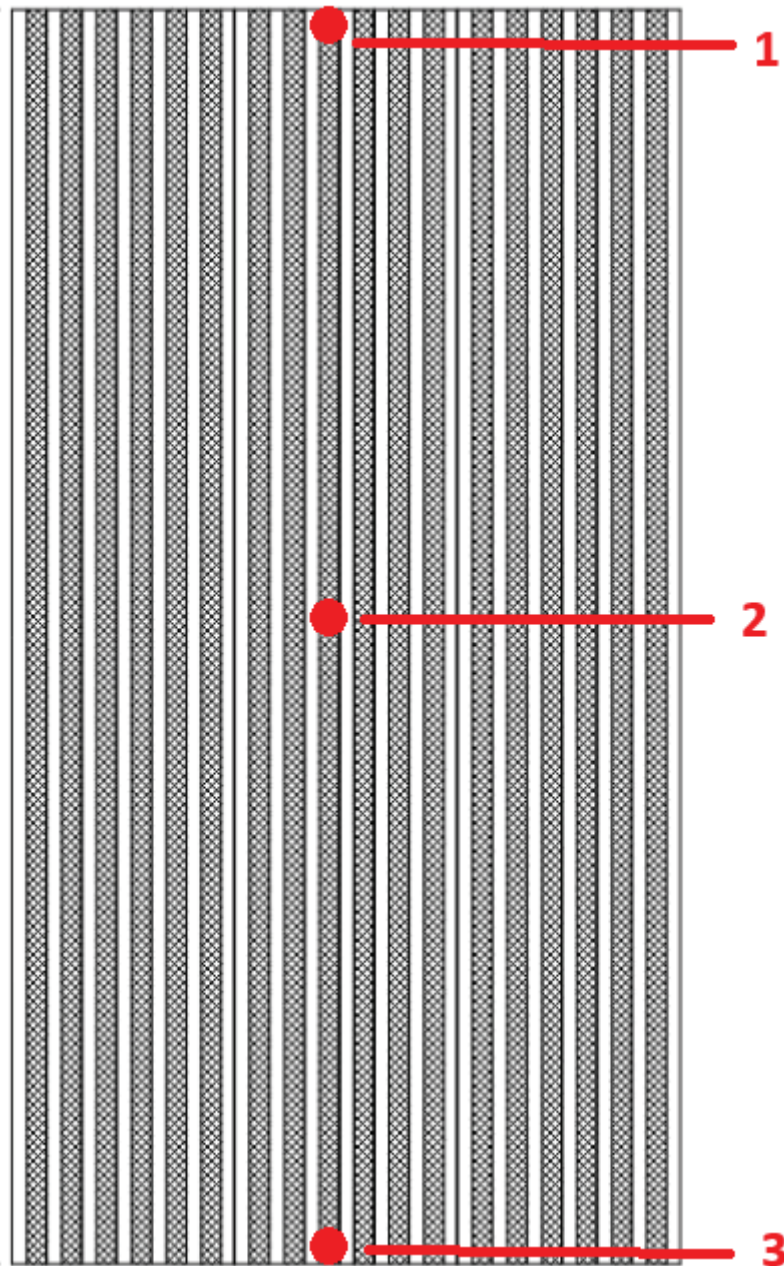
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SKETCH(ES)



Sketch No. 1
TAS 202 Indicator Locations

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PHOTOGRAPHS



Photo No. 1
Mock-Up #1 After Testing

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Photo No. 2
Mock-Up #3 After Testing

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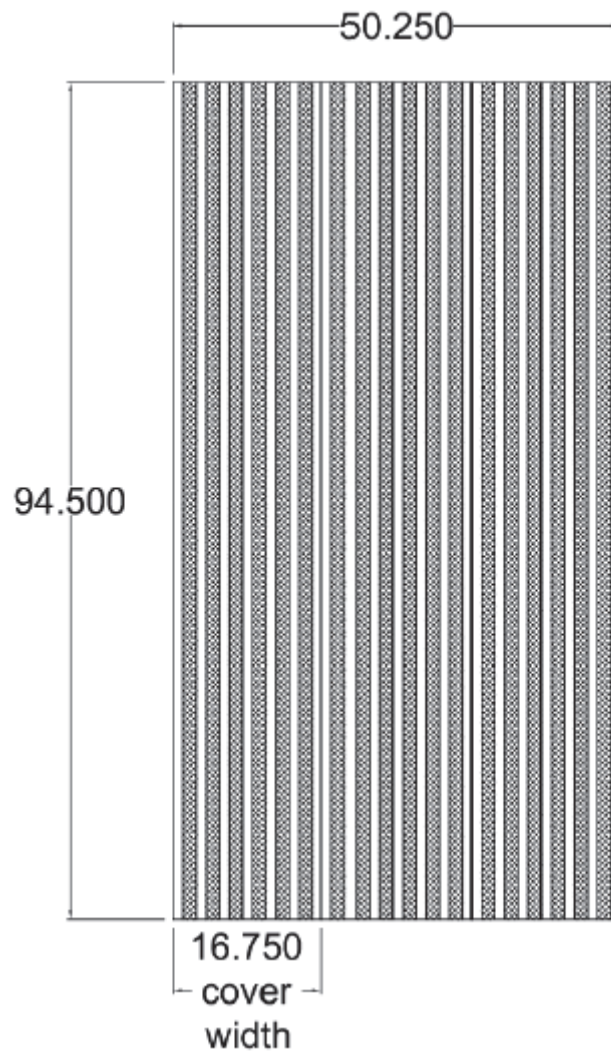
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DRAWINGS

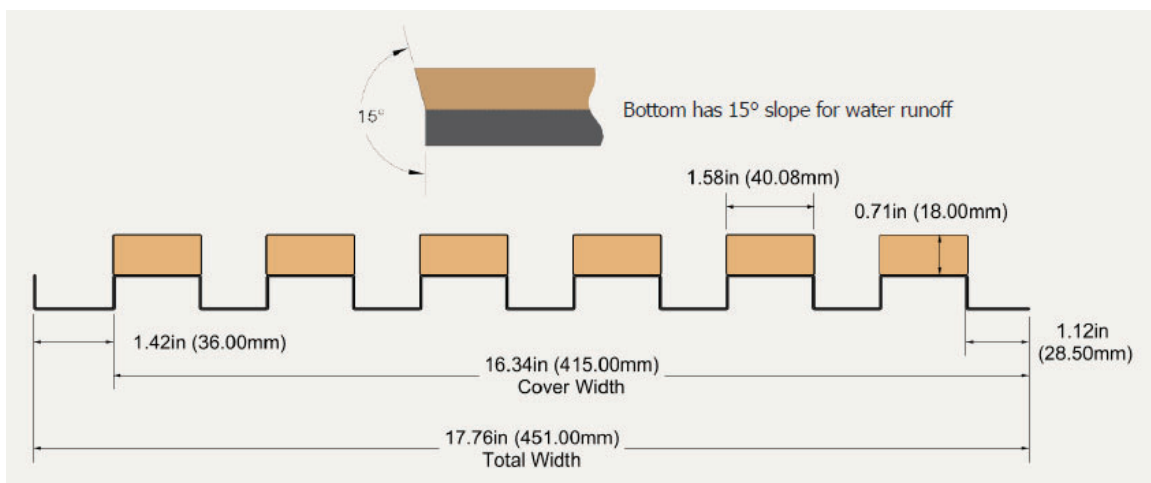
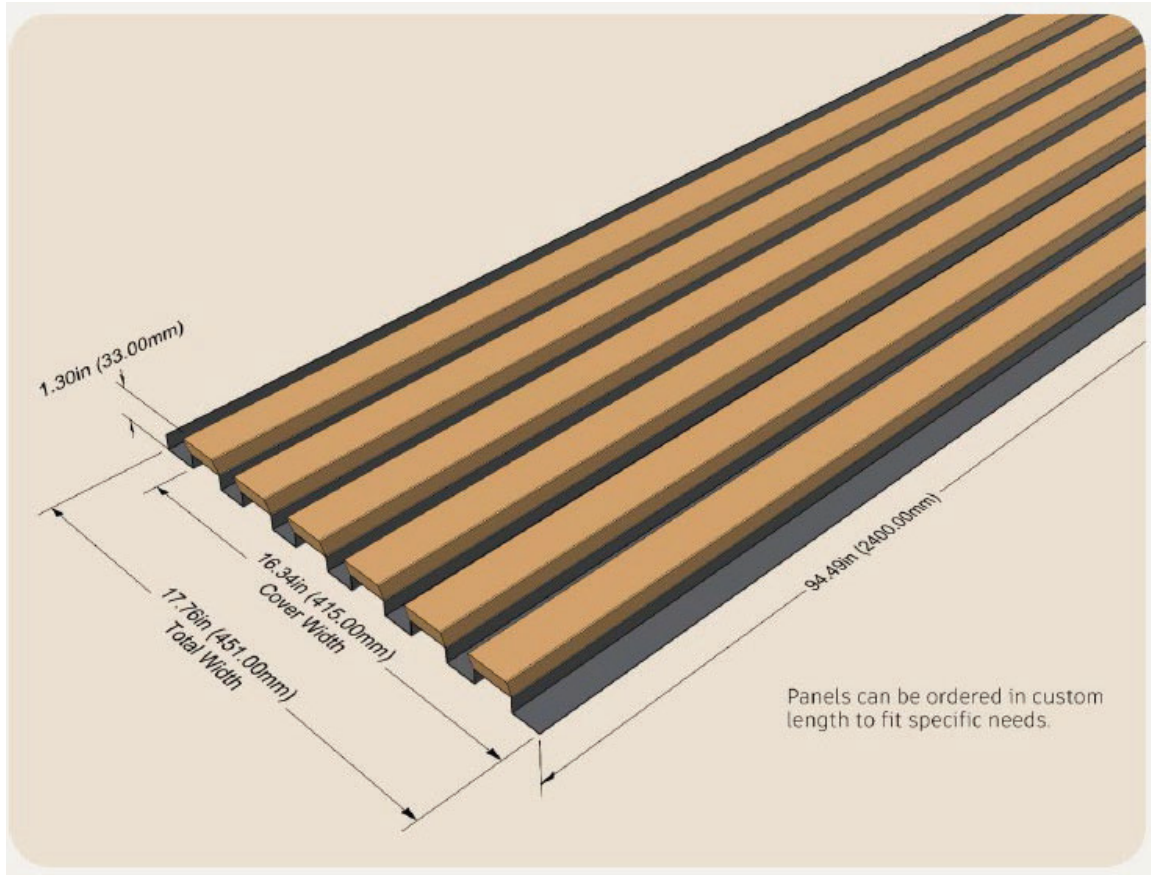
The test specimen drawings have been reviewed by Intertek B&C and are representative of the test specimen(s) reported herein. Test specimen construction was verified by Intertek B&C per the drawings included in this report. Any deviations are documented herein or on the drawings.



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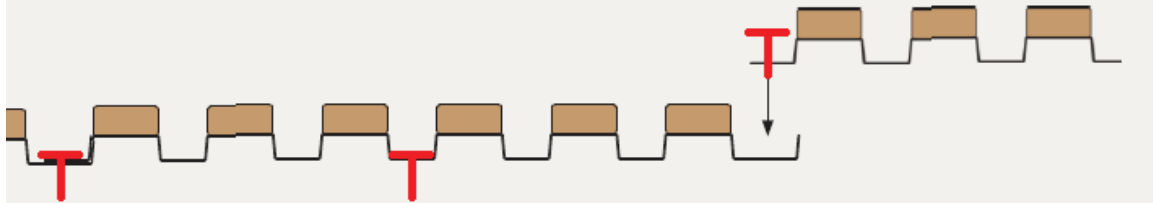
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Item	Category	Material	Description / Specification	Quantity	Unit	Notes
1	Panel	Aluwood Panel	Formed Powder Coated Aluminum Panel w/ Thermally Treated Wood Slats	3	ea	Adjust to wall size
2	Trim	Starter Trim	Formed Powder Coated Aluminum	1	ea	Bottom
3	Trim	J-Trim	Formed Powder Coated Aluminum	3	ea	Sides and Top
5	WRB	Weather Barrier	Building wrap or membrane	1	wall	Full coverage
6	Tape	WRB Tape	Compatible seam tape	1	roll	Cut as needed
7	Fastener	Aluwood Screws	Zinc Coated Fastener with EPDM Washer	36	ea	Per test wall

Bill of Materials - Unit #1 & #2

Item	Category	Material	Description / Specification	Quantity	Unit	Notes
1	Panel	Aluwood Panel	Formed Powder Coated Aluminum Panel w/ Thermally Treated Wood Slats	3	ea	Adjust to wall size
2	Trim	Starter Trim	Formed Powder Coated Aluminum	1	ea	Bottom
3	Trim	J-Trim	Formed Powder Coated Aluminum	3	ea	Sides and Top
5	WRB	Weather Barrier	Building wrap or membrane	1	wall	Full coverage
6	Tape	WRB Tape	Compatible seam tape	1	roll	Cut as needed
7	Fastener	Aluwood Screws	Zinc Coated Fastener with EPDM Washer	36	ea	Per test wall
8	Furring Strip	PT 1x3	Pressure Treated 1x3	4	ea	

Bill of Materials - Unit #3



Total Quality. Assured.

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West Palm Beach, Florida 33407

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SECTION 13

REVISION LOG

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