

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

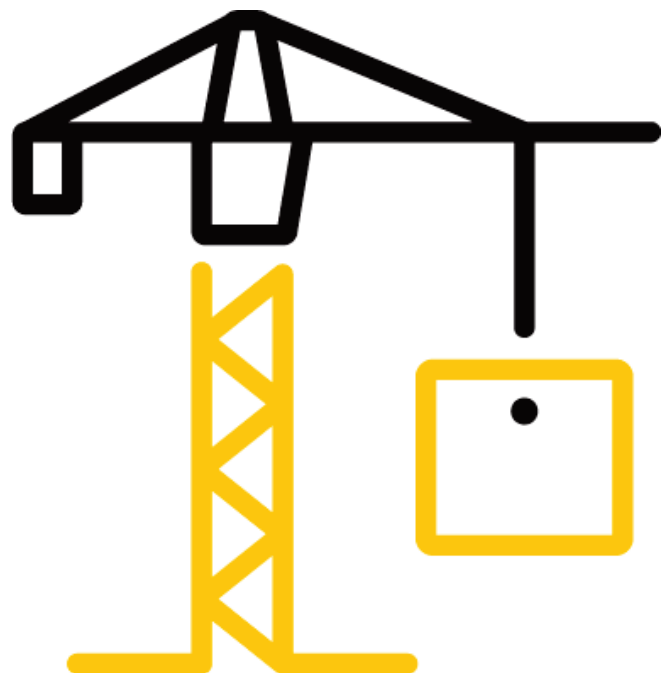
PAGES

16

DOCUMENT CONTROL NUMBER

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

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Date: 04/29/26

REPORT ISSUED TO WOODUPP

391 Hickory Street
Mt. Airy, NC 27030

SECTION 1 SCOPE

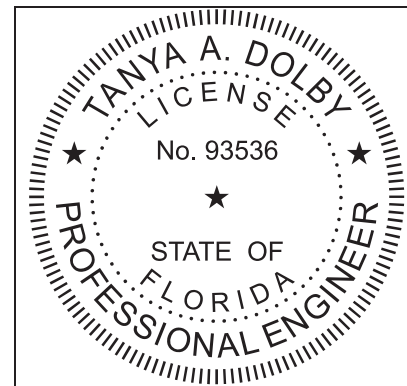
Architectural Testing, Inc. (an Intertek company) dba Intertek Building & Construction (B&C) was contracted by WoodUpp to perform TAS 202 and TAS 203 testing in general accordance with Miami-Dade County requirements on their Aluwood Siding. Results obtained are tested values and were secured by using 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: 
Digitally Signed by: Seth Allen

DATE: 04/29/26

REVIEWED BY: Tanya Dolby, P.E.

TITLE: Engineering Manager –
Engineering Services

SIGNATURE: 
Digitally Signed by: Tanya Dolby Date: 2026.04.30
12:47:12 -04'00'

DATE: 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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SECTION 6

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 | |
|----------------------|-------------|--------|-------------|--------|
| | Millimetres | Inches | Millimetres | Inches |
| 32.1 ft ² | | | | |
| 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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SECTION 9

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.

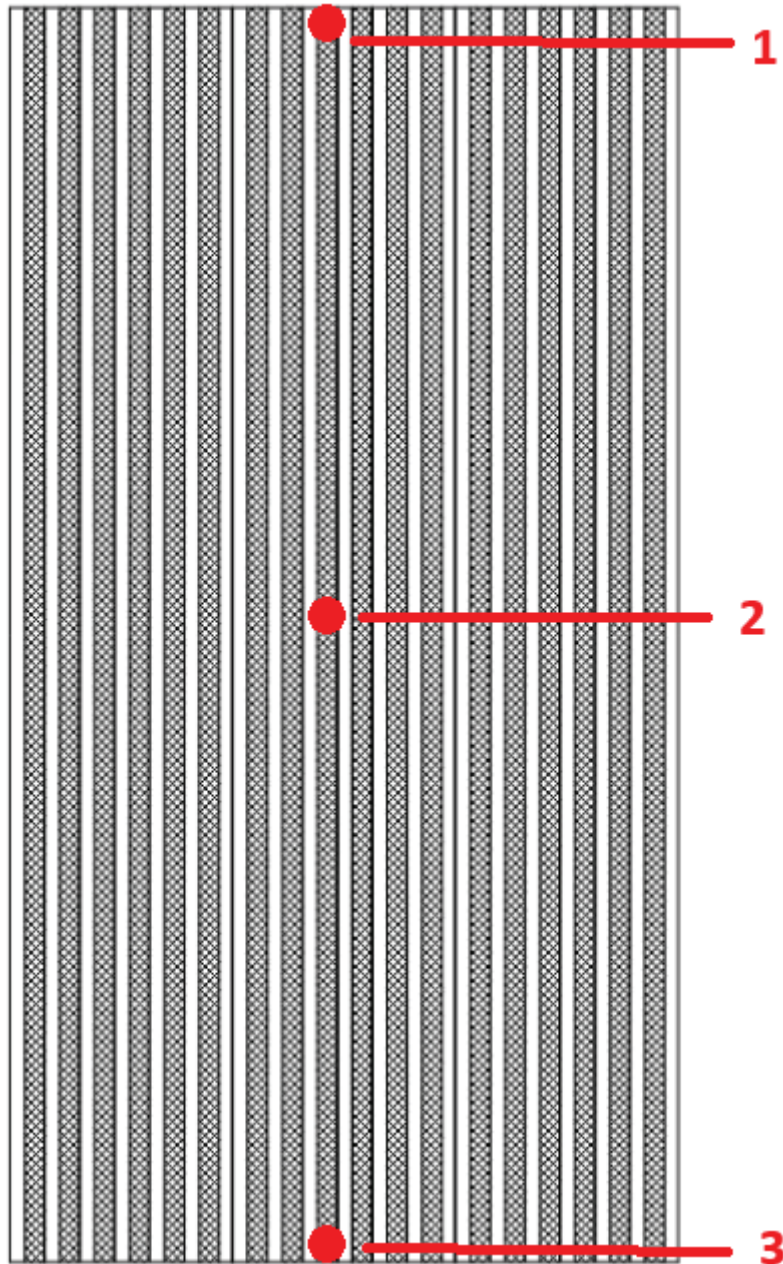
No signs of failure were observed in any area of the test specimens during the cyclic load test; as such, the test specimens satisfy the cyclic load requirements of TAS 203. Upon completion of testing, specimens tested for TAS 203-94 met the requirements of Section 1625 of the Florida Building Code, Building.

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SECTION 10 SKETCH(ES)



Sketch No. 1
TAS 202 Indicator Locations

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SECTION 11 PHOTOGRAPHS

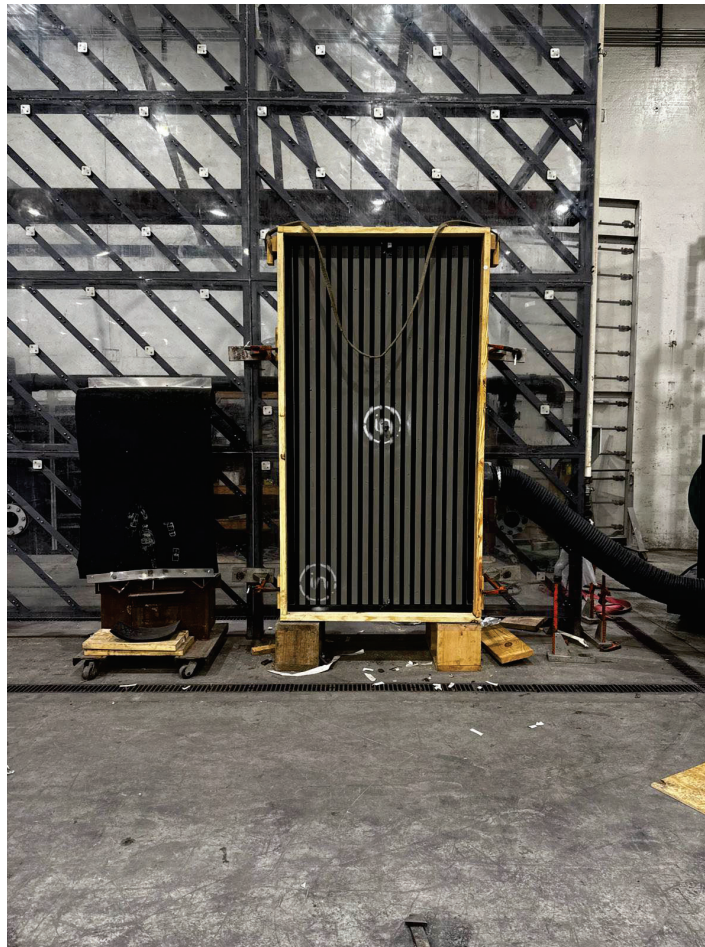


Photo No. 1
Mock-Up #1 After Testing

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Photo No. 2
Mock-Up #3 After Testing

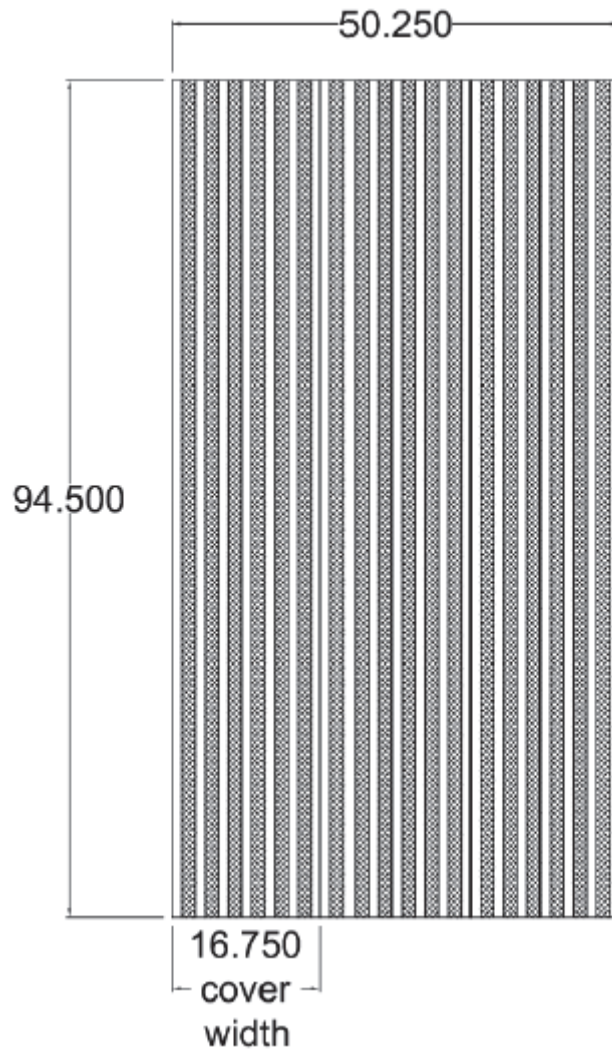
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SECTION 12 DRAWINGS

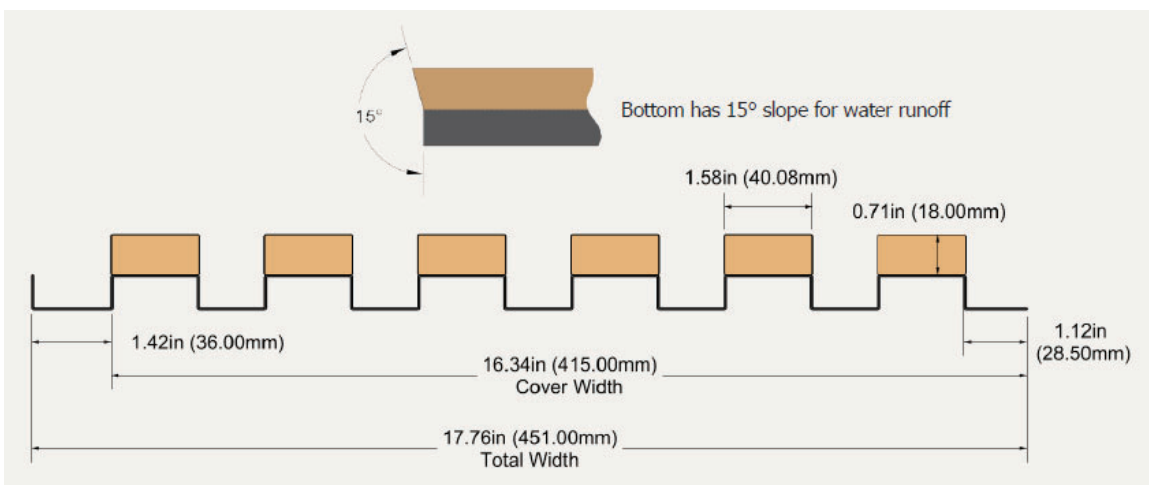
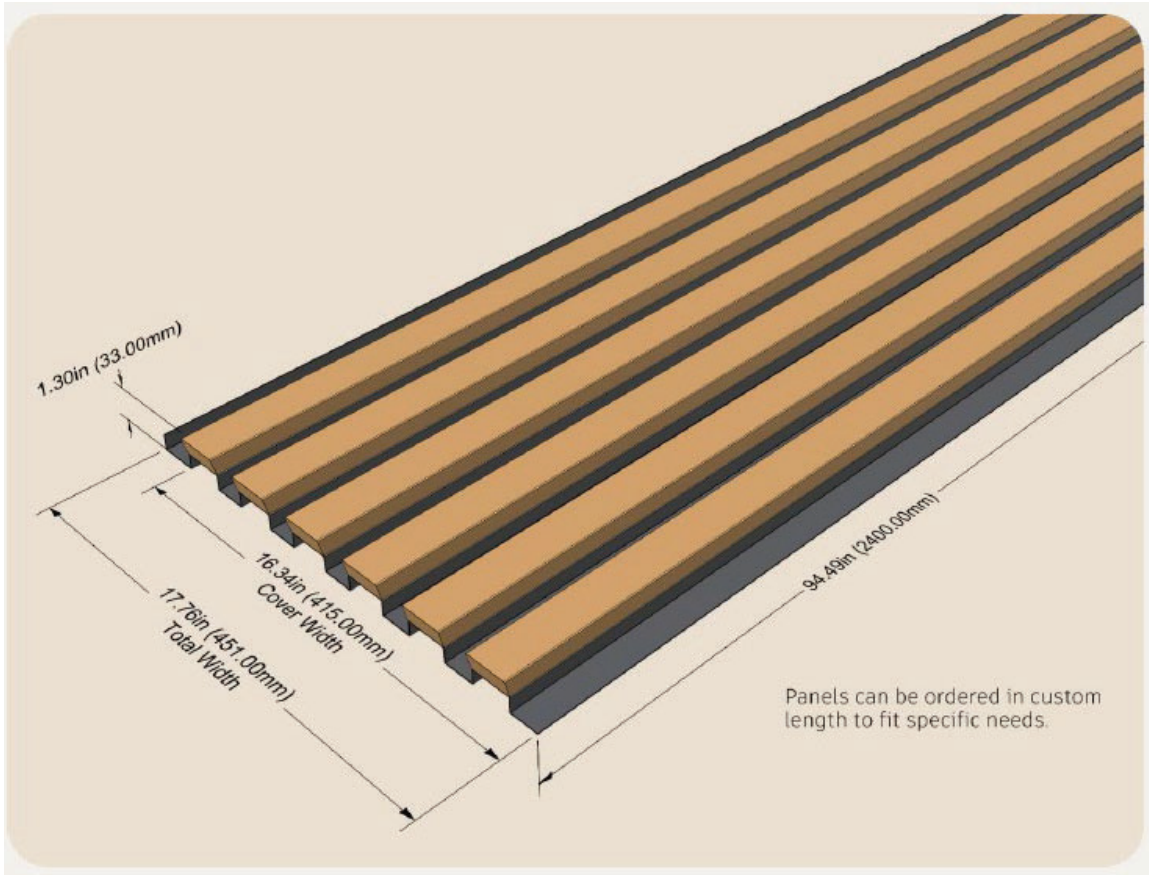
The test specimen drawings have been reviewed by Intertek B&C and are representative of the test specimen(s) reported herein. Test specimen construction was verified by Intertek B&C per the drawings included in this report. Any deviations are documented herein or on the drawings.



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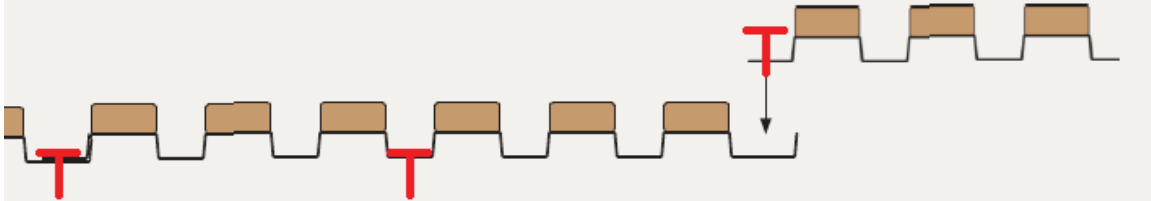
Date: 04/29/26



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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

Telephone: 561-881-0020
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SECTION 13

REVISION LOG

| REVISION # | DATE | PAGES | REVISION |
|------------|----------|-------|-----------------------|
| 0 | 04/29/26 | N/A | Original Report Issue |