

SUNSTACK, LLC

MIAMI-DADE

TEST REPORT

SCOPE OF WORK

TAS 100(A)-95 TESTING ON SSB1 AND SSM, ROOF MOUNT BRACKET

REPORT NUMBER

Q8853.02-301-18-R0

TEST DATE

07/12/24

ISSUE DATE

07/24/24

MIAMI-DADE COUNTY NOTIFICATION NO.

ATI 240003

LABORATORY CERTIFICATION NO.

22-0428.15

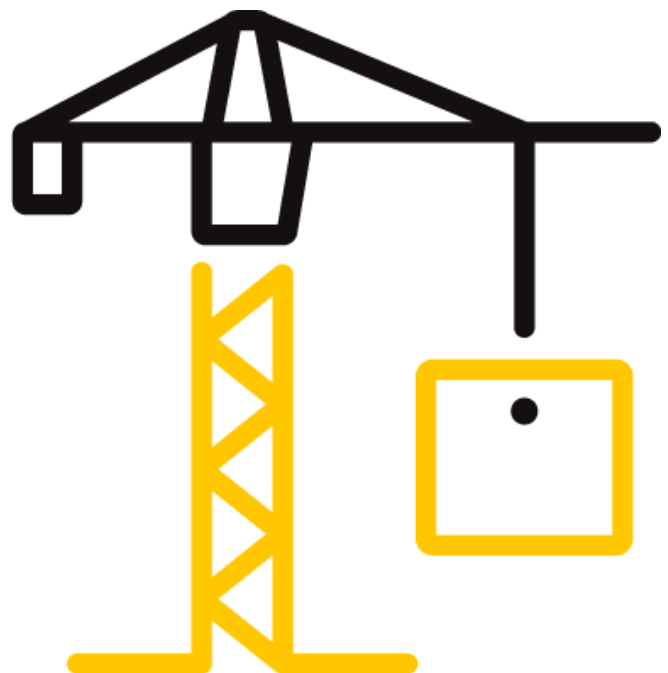
PAGES

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DOCUMENT CONTROL NUMBER

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TEST REPORT FOR SUNSTACK, LLC

Report No.: Q8853.02-301-18-R0

Date: 07/24/24

REPORT ISSUED TO

SUNSTACK LLC

2300 West Sahara Avenue
Las Vegas, Nevada 89102

SECTION 1

SCOPE

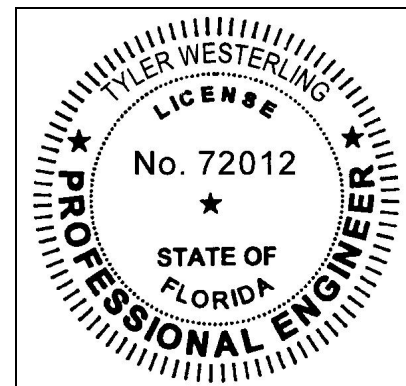
Intertek Building & Construction (B&C) was contracted by SunStack LLC to perform TAS 100(A) testing in accordance with Miami-Dade County requirements on SSB1 and SSM, Roof Mount Bracket. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at the Intertek B&C test facility in Fresno, California.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. Intertek B&C will service this report for the entire test record retention period. The test record retention period ends four years after the test date. Test records, such as detailed drawings, datasheets, representative samples of test specimens, or other pertinent project documentation, will be retained for the entire test record retention period.

SECTION 2

SUMMARY OF TEST RESULTS

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



2024.07.29 08:25:47 -07'00'

For INTERTEK B&C:

COMPLETED BY: Jarod Hardman
TITLE: Senior Project Lead

SIGNATURE: 
Digitally Signed by: Jarod Hardman
DATE: 07/24/24

REVIEWED BY: Tyler Westerling, P.E.
TITLE: Regional Manager

SIGNATURE: 
Digitally Signed by: Tyler Westerling
DATE: 07/24/24

JSH:ms

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SECTION 3**TEST METHOD(S)**

The specimen was evaluated in accordance with the following:

TAS 100 (A)-95, *Test Procedure for Wind and Wind Driven Rain Resistance and/or Increased Windspeed Resistance of Soffit Ventilation Strip and Continuous or Intermittent Ventilation System Installed at the Ridge Area*

SECTION 4**MATERIAL SOURCE**

Test sample materials were provided by the client facility located at 2300 West Sahara Avenue, Las Vegas, Nevada. 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.

SECTION 5**EQUIPMENT/CALIBRATION**

Vane Axial Fan – 65885

Scale – INT02687

Stopwatch – 65412

SECTION 6**LIST OF OFFICIAL OBSERVERS**

NAME	COMPANY
Nicholas Bean	Intertek B&C
Jarod Hardman	Intertek B&C

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SECTION 7

TEST SPECIMEN DESCRIPTION

Manufacturer: SunStack LLC

Product Type: Roof Mount Bracket

Series/Model: SSB1 / SSM

Roof Deck Description: An 8' 0" wide by 6' 0" long roof deck on a 2:12 slope was utilized. The roof deck consisted of #2 Spruce-Pine-Fir nominal 2x6 intermediate supports sheathed with APA 32/16 span rated 15/32" plywood sheathing. The intermediate supports were spaced 24" on center. The plywood was secured to the rafters with 8d common nails spaced 6" on center around the perimeter and 12" on center at the intermediate supports.

Underlayment, and Prepared Roof Covering Description: Asphalt shingle half of specimen consisted of 7/16" OSB with 30# felt underlayment and architectural asphalt shingles. Metal roofing half of specimen consisted of 7/16" OSB with 30# felt underlayment and mechanically secured metal lap roofing panels.

Conditioning: Roof specimen installation, underlayment, and prepared roof conditions were allowed to condition outside in direct sunlight for a minimum of three days with an average 8-hour exposure temperature of 100 degrees Fahrenheit.

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SECTION 8

TEST RESULTS

Protocol TAS 100(A)-95, Test Procedure for Wind and Wind Driven Rain Resistance and/or Increased Windspeed Resistance of Soffit Ventilation Strip and Continuous or Intermittent Ventilation System Installed at the Ridge Area.

Test Date(s): 07/12/24

The temperature during testing was 29°C (85°F). The results are tabulated as follows:

Test Procedure: The wind speed intervals were conducted as follows:

Interval No.	Wind Speed (mph)	Time (min)	Water Spray
1	35	15	On
2	0	5	Off
3	70	15	On
4	0	5	Off
5	90	15	On
6	0	5	Off
7	110	5	On
8	0	5	Off

Test Results: The TAS 100(A) test results are as follows:

Wind Speed	Results
35 mph	0.0 oz.
70 mph	0.0 oz.
90 mph	0.0 oz.
110 mph	0.0 oz.

Result(s): Pass

Note 1: Tested at a 2:12 roof pitch.

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SECTION 9

PHOTOGRAPHS



Photo No. 1
Asphalt Roof Shingle Install



Photo No. 2
Metal Roof Install

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Photo No. 3
Typical SSB1 Asphalt Shingle Installation



Photo No. 4
Typical SSM Asphalt Shingle Installation

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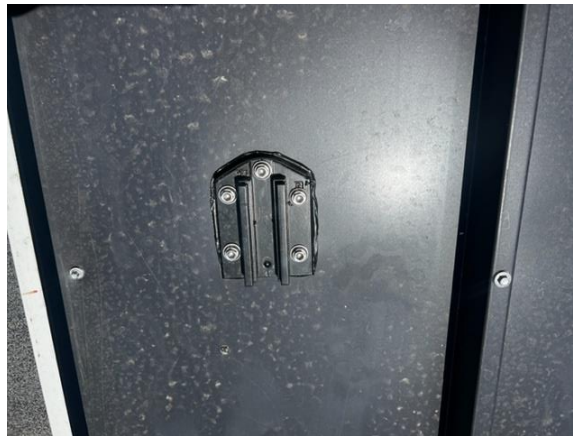


Photo No. 5
Typical SSB1 Metal Roof Installation



Photo No. 6
Typical SSM Metal Roof Installation



Total Quality. Assured.

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SECTION 10

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.