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GLICK METALS LLC
MIAMI-DADE TEST REPORT

SCOPE OF WORK
TAS 100(A) TESTING ON SNAP-Z, RIDGE VENT

REPORT NUMBER
K8029.01-109-18

TEST DATE
11/18/20

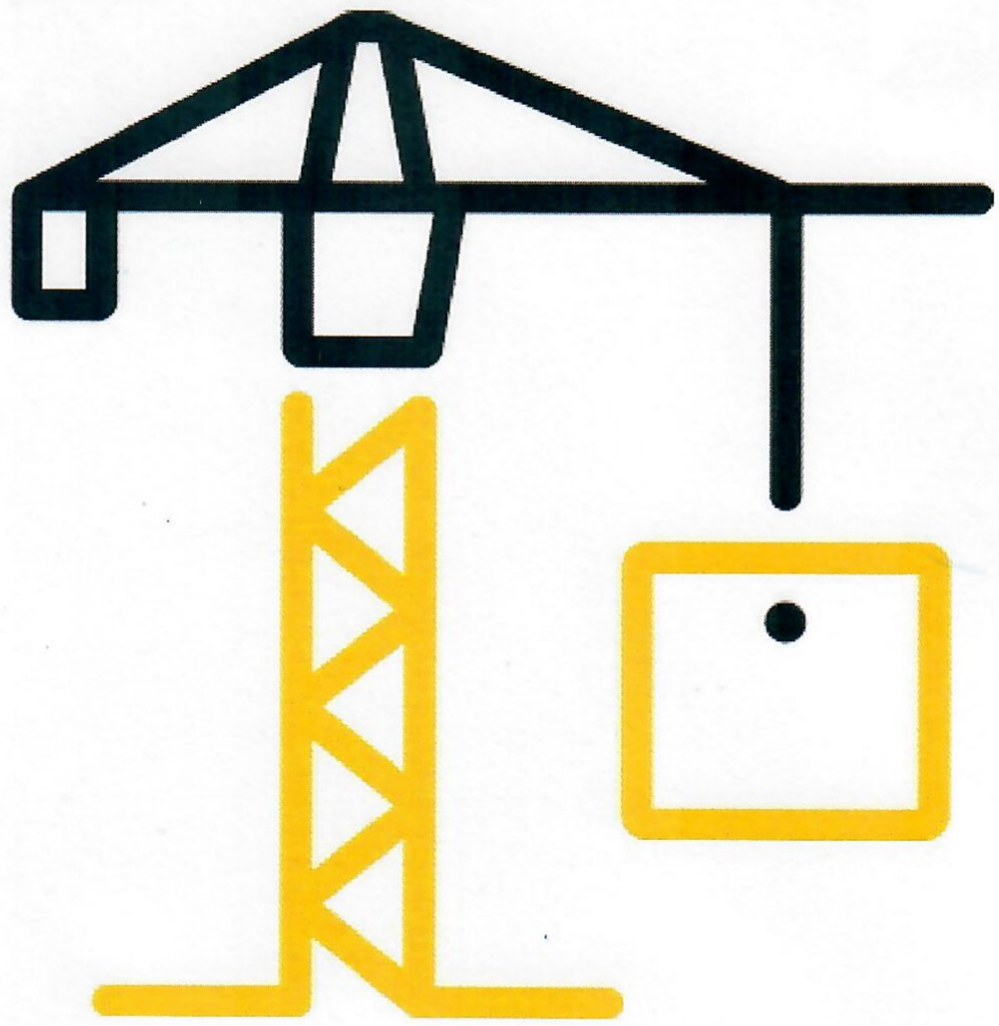
ISSUE DATE
12/08/20

MIAMI-DADE COUNTY NOTIFICATION NO.
ATI 20073

LABORATORY CERTIFICATION NO.
19-0321.16

PAGES
15

DOCUMENT CONTROL NUMBER
RT-R-AMER-Test-7808 (05/23/19)



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TEST REPORT FOR GLICK METALS LLC
Report No.: K8029.01-109-18
Date: 12/08/20

REPORT ISSUED TO
GLICK METALS LLC
330 Swamp Road
Morgantown, Pennsylvania 19543

SECTION 1
SCOPE

Intertek Building & Construction (B&C) was contracted by Glick Metals LLC to perform TAS 100(A) testing in accordance with Miami-Dade County requirements on Snap-Z, ridge vent. 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 York, Pennsylvania.

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 ten 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 tested met the performance requirements set forth in the protocols.

DANIEL C. CULBERT
LICENSE
No. 83035
STATE OF FLORIDA
PROFESSIONAL ENGINEER

For INTERTEK B&C:

COMPLETED BY:	Kyle W. Ruth
TITLE:	Technician – Product Testing
SIGNATURE:	Digitally Signed by: Kyle Ruth
DATE:	12/08/20

KWR:nls

REVIEWED BY:	Daniel C. Culbert, P.E.
TITLE:	Senior Project Engineer
SIGNATURE:	Digitally Signed by: Daniel Craig Culbert
DATE:	12/08/20 2020.12.08 17:00:12 -05'00'

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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 from Glick Metals LLC facility located in Morgantown, Pennsylvania. Representative samples of the test specimen 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 – Y003346
Stopwatch – INT00974
Weather Station - 63317

Windstream, water supply, and water distribution calibration were performed prior to testing. Reference Intertek B&C Calibration Report No. L0971.03-109-18, dated 07/01/20, for descriptions and results.

SECTION 6
LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Manny Glick	Glick Metals LLC
John Lapp	Glick Metals LLC
Andrew P. Mehalick	Intertek B&C
Kyle W. Ruth	Intertek B&C

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SECTION 7
TEST SPECIMEN DESCRIPTION

Manufacturer: Glick Metals LLC
Product Type: Ridge Vent
Series/Model: Snap-Z

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 1-5/8" bugle head screws spaced 6" on center around the perimeter and 12" on center at the intermediate supports. The roof deck was covered with 30# felt underlayment. 16" wide, 24-gauge steel standing seam roof panels were installed over the felt and secured with #10 x 1" pancake head screws. A 2" wide by 84" long opening was cut into the ridge for ventilation of the vent.

Ridge Vent Description: The ridge vent was composed of 15-7/8" long sections of formed 24-gauge steel sheet and open cell foam. The leading face of the vent sections were punched to allow airflow through the foam. The foam measured 1" thick by 1-3/4" tall and was pressed into the formed vent section. The vent was secured to the test deck with #10 x 1" screws spaced at 3" on center. A strip of butyl tape was utilized under the attachment leg sealing to the roof deck. The leading edge and each end of the vent sections were sealed with silicone. An aluminum sheet ridge cap was then secured over the ridge with #10 x 3/4" hex head screws with sealing washers.

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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): 11/18/20
The temperature during testing was 6°C (42°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 oz.
70 mph	0 oz.
90 mph	0 oz.
110 mph	0 oz.

Result(s): Pass

General Notes

Tested at a 2:12 roof pitch.

During the 110 mph wind speed interval, droplets of water were observed on the collection bag that were not measurable.

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SECTION 9
PHOTOGRAPHS

Photo No. 1
Top Side Before Testing

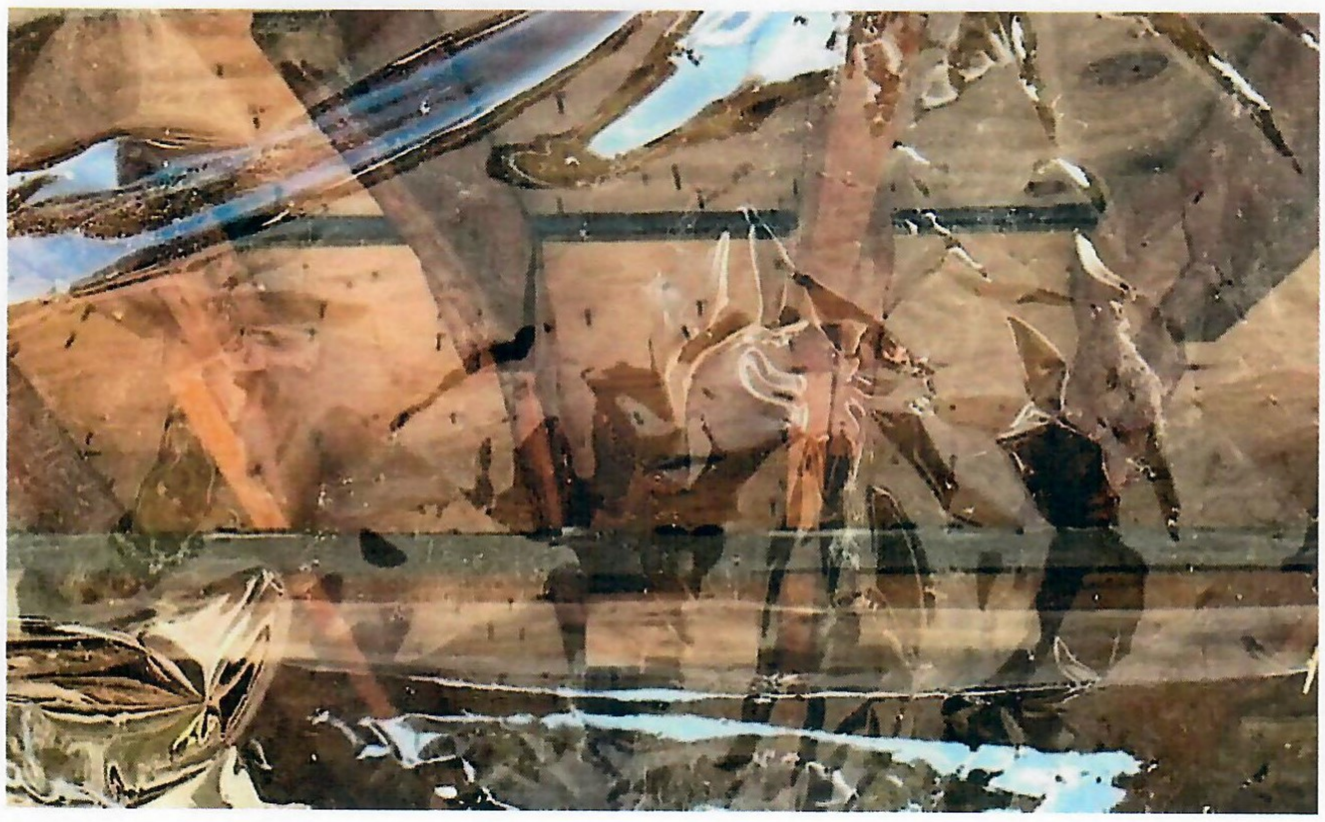

Photo No. 2
Underside Before Testing

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TEST REPORT FOR GLICK METALS LLC
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Photo No. 3
35 MPH Top Side

Photo No. 4
35 MPH Underside

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Photo No. 5
70 MPH Top Side

Photo No. 6
70 MPH Underside

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Photo No. 7
90 MPH Top side

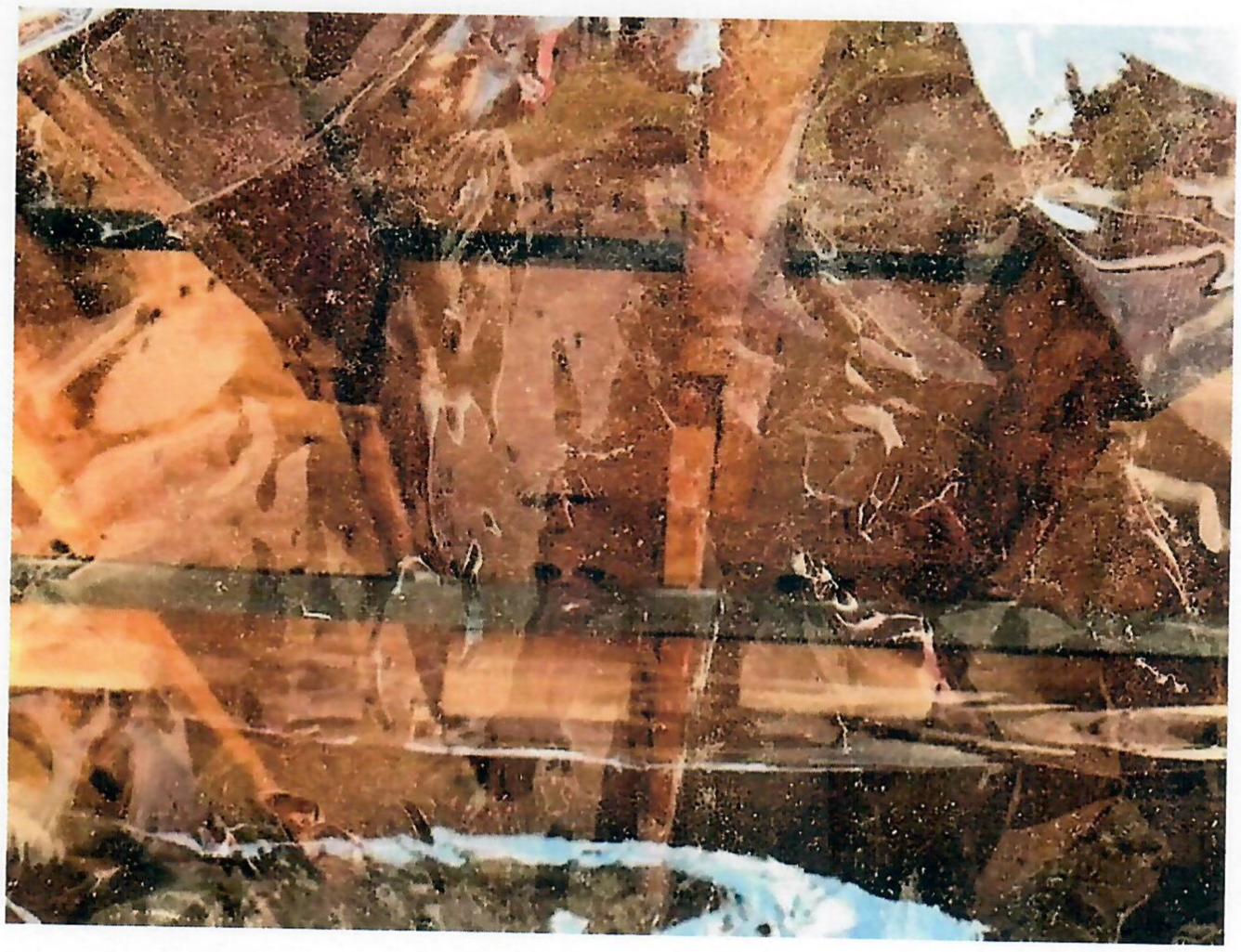

Photo No. 8
90 MPH Underside

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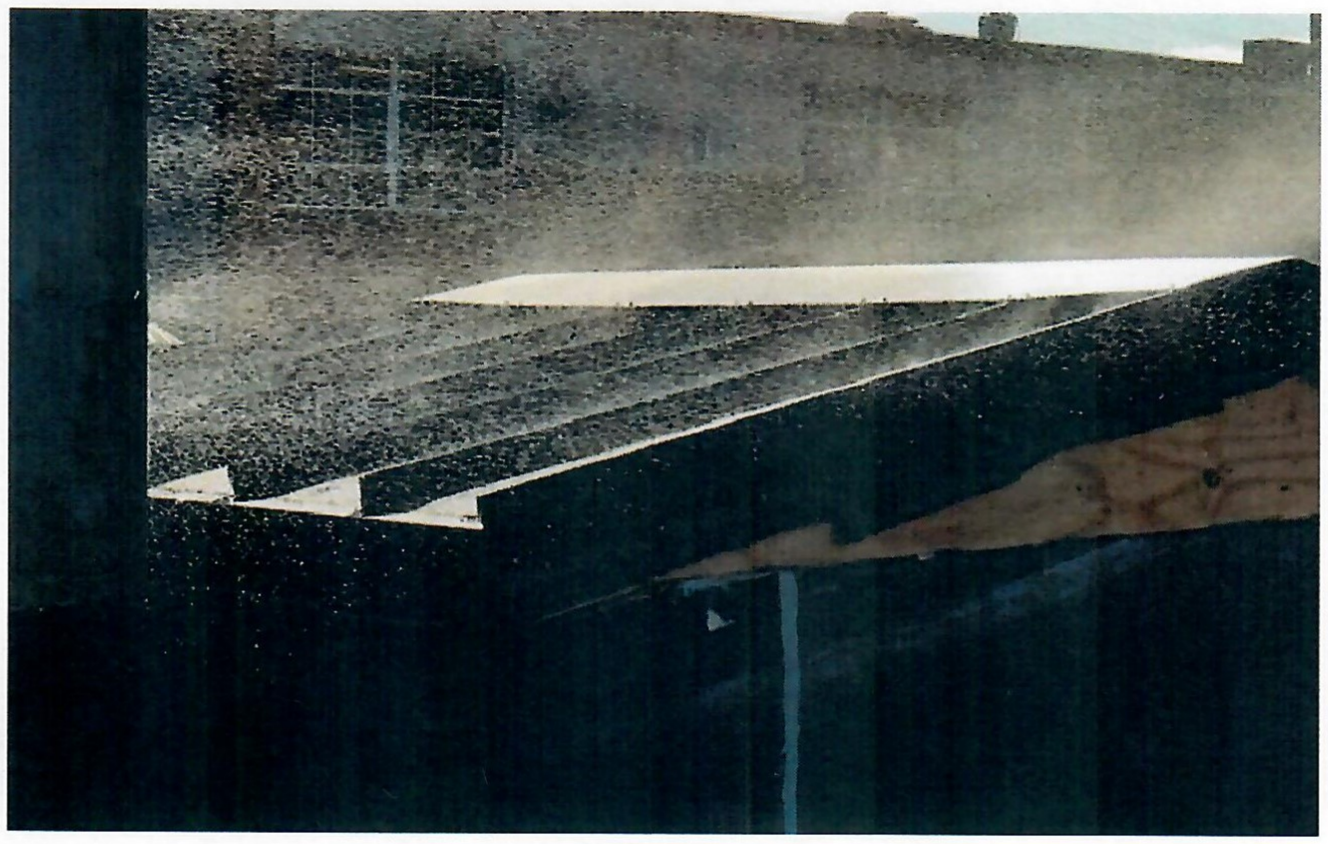

Photo No. 9
110 MPH Top Side

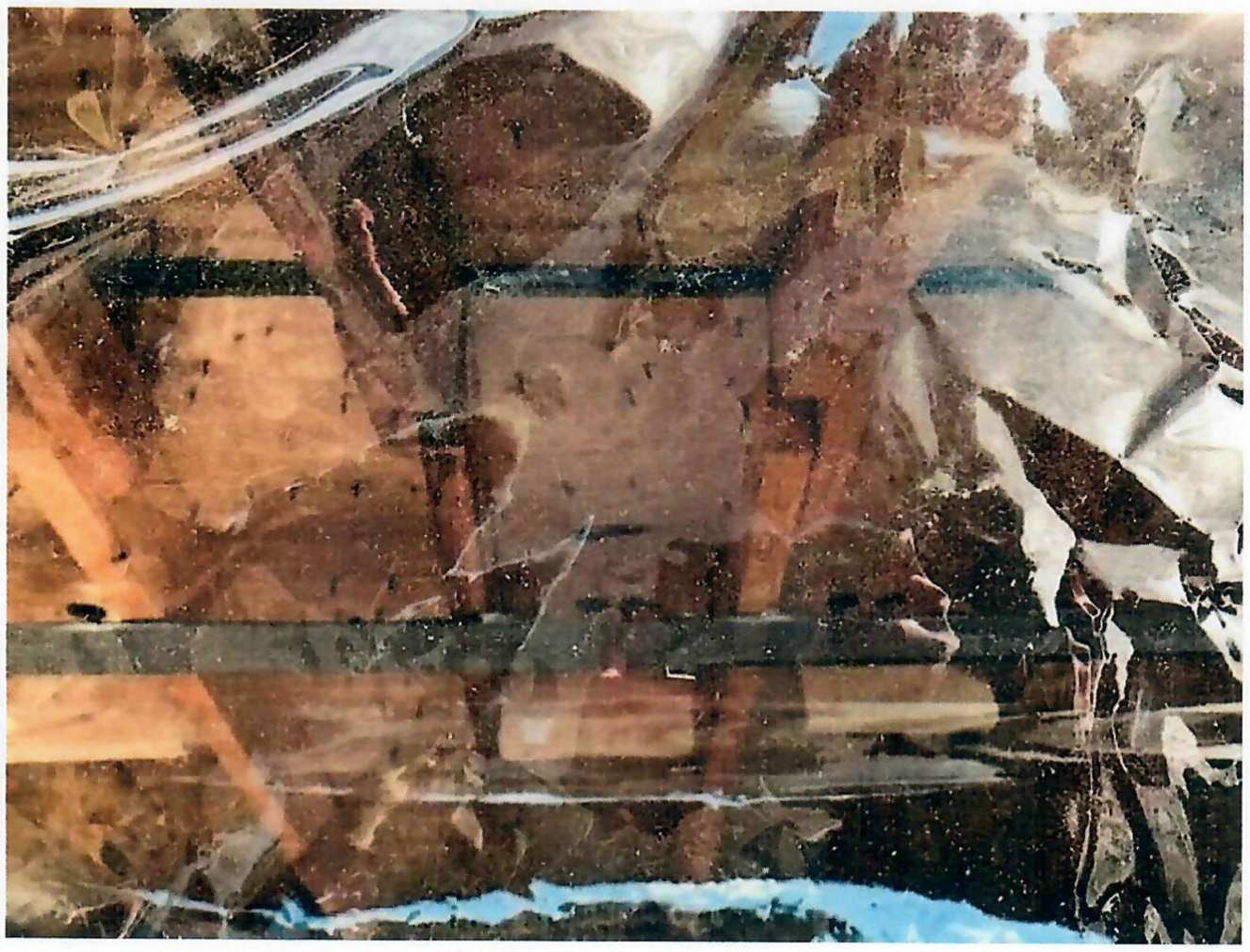

Photo No. 10
110 MPH Underside

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TEST REPORT FOR GLICK METALS LLC
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Photo No. 11
Post Test Top Side

Photo No. 12
Post Test Underside

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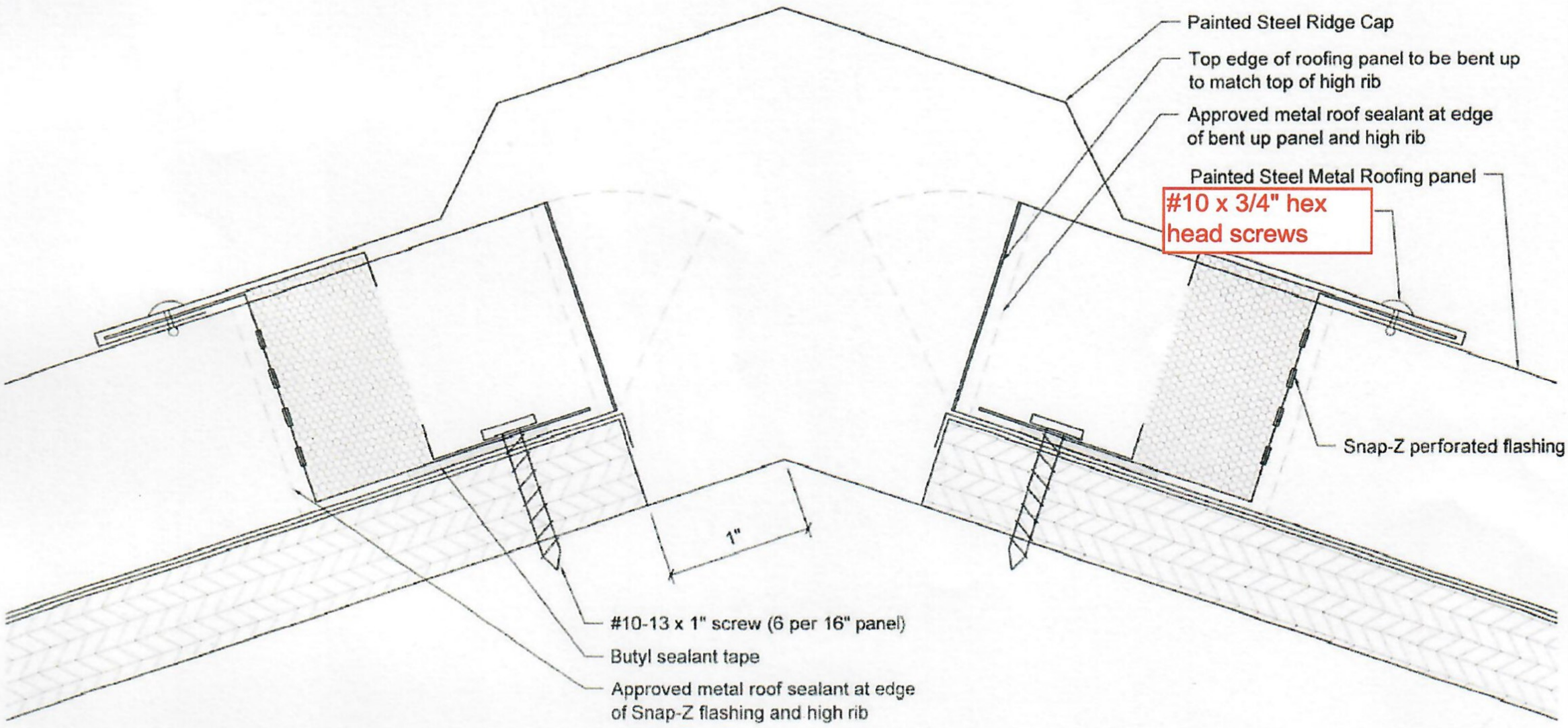
SECTION 10
DRAWINGS

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.



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Date: 12/1/20
Verified by:

Snap-Z Ridge Detail

Not To Scale
Models Available:

Snap-Z 1000	1" rib height
Snap-Z 1500	1 1/2" rib height
Snap-Z 1750	1 3/4" rib height
Snap-Z 2000	2" rib height

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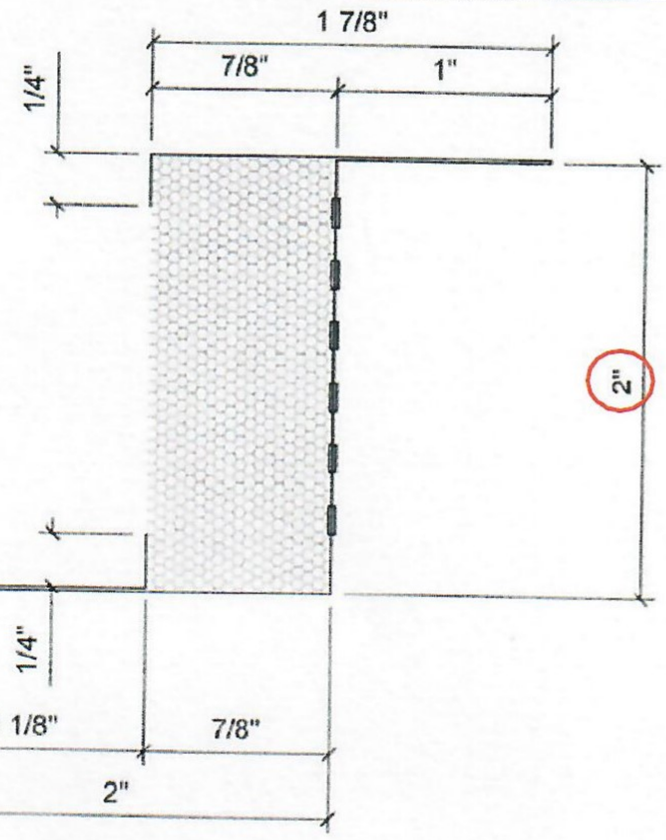
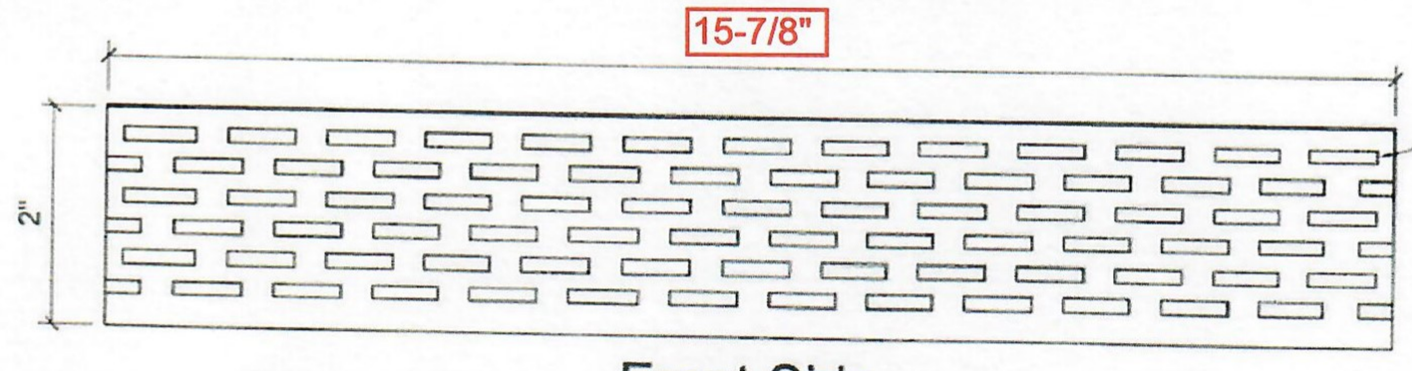
Verified by:

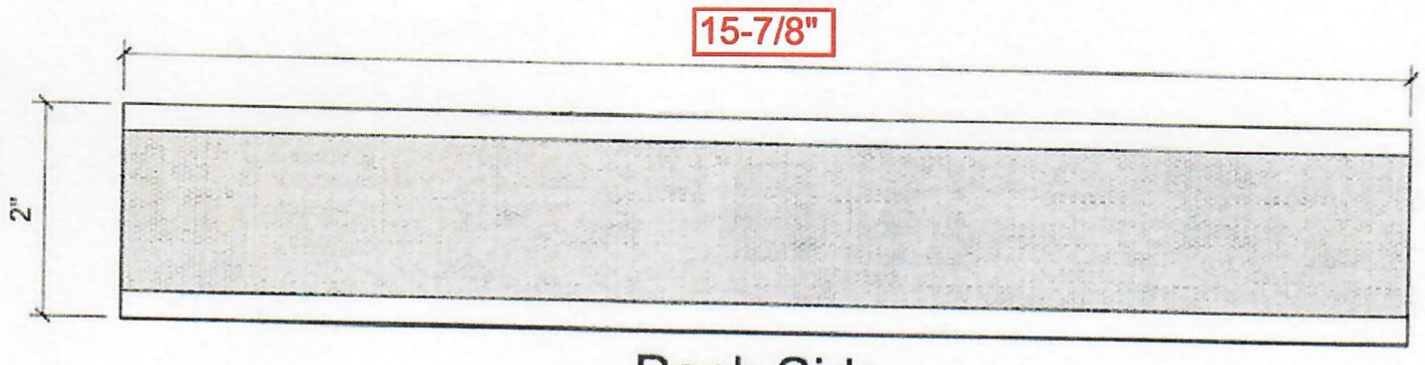


End View



13 lances per row (6 rows)
78 lances per lin ft
12.168 sq in net free area per lin ft

Front Side



Back Side

Snap-Z 2000 Detail

Not To Scale

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SECTION 11
REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	12/08/20	N/A	Original Report Issue