

# QUICKSCREWS INTERNATIONAL CORP. TEST REPORT

**SCOPE OF WORK**

LOAD TESTING OF Part# 17662 – 4.00" QB2 Kit 3" Microflashing® + SS-LFT 25/KTP

**REPORT NUMBER**

K8370.01-301-18- R0

**TEST DATE**

05/04/20

**ISSUE DATE**

06/04/20

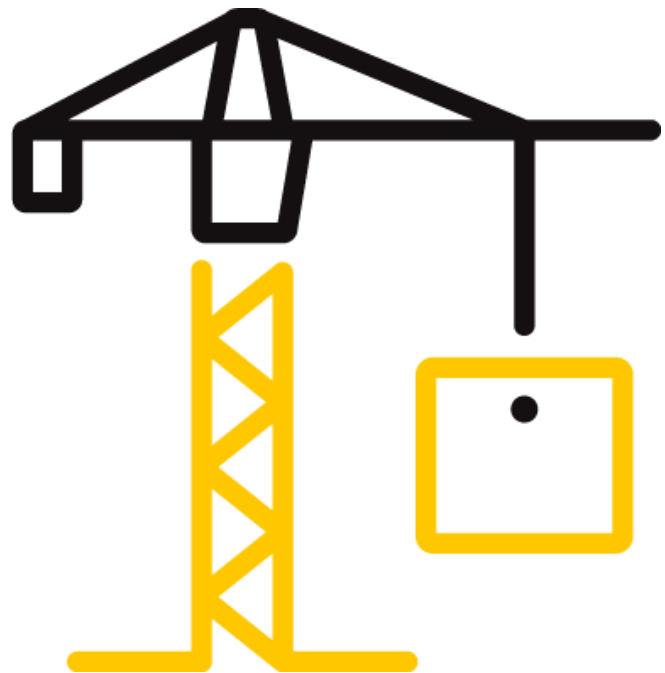
**PAGES**

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GFT-OP-10c (AUGUST 27, 2018)

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## TEST REPORT FOR QUICKSCREWS INTERNATIONAL CORP.

Report No.: K8370.01-301-18- R0

Date: 06/04/20

### REPORT ISSUED TO

#### QUICKBOLT - A DIVISION OF QUICKSCREWS INTERNATIONAL CORP.

5830 Las Positas Road  
Livermore, California 94551

### SECTION 1

#### SCOPE

Intertek Building & Construction (B&C) was contracted by Quickscrews to perform additional load testing on their 3" Microflashing® + SS-LFT 25/KTP anchor bracket system. Testing was conducted at the Intertek B&C test facility in Fresno, California.

Intertek B&C in Fresno, California has demonstrated compliance with ISO/IEC International Standard 17025 and is consequently accredited as a Testing Laboratory (TL-264) by International Accreditation Service, Inc. (IAS).

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 five 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.

For INTERTEK B&C:

<b>COMPLETED BY:</b>	Dennis Janzen	<b>REVIEWED BY:</b>	Tyler Westerling., P.E.
<b>TITLE:</b>	Technician	<b>TITLE:</b>	Operations Manager
<b>SIGNATURE:</b>		<b>SIGNATURE:</b>	
<b>DATE:</b>	06/04/20	<b>DATE:</b>	06/04/20

TW:ms

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### SECTION 2

#### SUMMARY OF TEST RESULTS

<b>JOIST CONNECTION PERFORMANCE (DIRECT VERTICAL LOAD - SHEAR PERPENDICULAR) <sup>1</sup></b>	Part# 17662 – 4.00" QB2 Kit 3" Microflashing® + SS-LFT 25/KTP	Load at 1/8 in Displacement
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### SECTION 3

#### TEST METHODS

**ASTM D7147-11 (Reapproved 2018)**, *Standard Specification for Testing and Establishing Allowable Loads of Joist Hangers*

#### Limitations

Bracket systems to the supporting structure is not included in the scope of this testing and would need to be evaluated separately.

### SECTION 4

#### MATERIAL SOURCE/INSTALLATION

All anchor components including wood posts used for the testing reported herein were supplied by Quickscrews and were not independently sampled or selected by a third-party inspection agency.

### SECTION 5

#### LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Tyler Westerling	Intertek B&C
Dennis Janzen	Intertek B&C

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### SECTION 6

#### TEST PROCEDURE

Specimens were mounted to an Asphalt shingle covered 2x6 lumber frame. Vertical load was applied to the bearing block through a load cell attached to the testing machine. Test speed was 0.200 in/min. Displacement was taken with one linear transducer, attached to the frame, which were zeroed at zero load. Ultimate load was the maximum load the test assembly could withstand in that direction without deflection exceeding 1/8". See photographs in Section 10 for typical test set-up.

### SECTION 7

#### TEST SPECIMEN DESCRIPTION

COMPONENT	MATERIAL	DESCRIPTION
Microflashing® Part# 17669	Stainless Steel Backed EPDM	3" x 3/16" Thick Microflashing®
L-Foot – Part# 15894SS	Stainless Steel	See photos
QB2 Mount Screw Pt# 17660	5/16" X 4"	Stainless Steel Lag

Refer to photographs in Section 10 and drawings in Section 11 for additional details.

### SECTION 8

#### TEST RESULTS

##### Connection Performance Testing (Direct Vertical Load - Shear - Perpendicular)

The purpose of this testing was to determine the direct load capacity of the L-foot in three direction in accordance with ASTM D7147.

##### Specimen No. 1

Pounds Load at 0.125" deflection				
Load Direction	Anchor #1	Anchor #2	Anchor #3	Average
Bending (weak direction)	58 lbs	60 lbs	59 lbs	58 lbs
Pullout	1,415 lbs	1421 lbs	1417 lbs	1,418 lbs
Shear	474 lbs	473 lbs	477 lbs	475 lbs

*Test/Ultimate loads should not be used as design loads or safe working loads.*

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### SECTION 9 PHOTOGRAPHS



**Photo No. 1  
Pullout Test**



Total Quality. Assured.

130 Derry Court  
York, Pennsylvania 17406

Telephone: 717-764-7700  
Facsimile: 717-764-4129  
[www.intertek.com/building](http://www.intertek.com/building)

**TEST REPORT FOR QUICKSCREWS INTERNATIONAL CORP.**

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**SECTION 10**  
**REVISION LOG**

REVISION #	DATE	PAGES	REVISION
0	06/04/20	N/A	Original Report Issue