QuickBOLT
A DIVISION OF QUICKSCREWS INTERNATIONAL CORP

Miami-Dade & Florida Approved

NOA NO: 22-0214.03, FL #35022

Approved Products: PN# 17662 – QB2 WITH 3" MICROFLASHING®

Part #	Box Quantity
17662	3" Microflashing® (25); 4" QB2 (25); L-Foot (25)

PATENT # 8448407

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TAS 100(A)

MIAMI-DADE NOA

MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Quickscrews Int'l Corp.
5830 Las Positas Rd.
Livermore, CA 94551

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Quick Bolt QB2 Stainless Steel Solar Mount

APPROVAL DOCUMENT: Drawing titled "QB2 Kit with SS L-Foot and 3" Microflashing", sheets 1 through 2 of 2, prepared by QuikBolt a div of Quickscrews Int'l Corp., dated on 01/28/2022, signed and sealed by Scott Wolters, P.E. on 05/26/2022, bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Each box shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved or MDCPCA", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1, evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**

MIAMI-DADE COUNTY APPROVED

NOA No: 22-0214.03
Expiration Date: June 23, 2027
Approval Date: June 23, 2022
Page 1

Quickscrews Int'l Corp.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing titled "QB2 Kit with SS L-Foot and 3" Microflashing", sheets 1 through 2 of 2, prepared by QuikBolt a div of Quickscrews Int'l Corp., dated on 01/28/2022, signed and sealed by Scott Wolters, P.E. on 05/26/2022.

B. TESTS

1. Test report on Uplift and Shear Allowable Loads of the 4" SS QB2 Kit w/ 3" Microflashing Solar Mount per ASTM D7147-11, prepared by Intertek, Test Report No. **K8370.01-301-18 R1**, dated 06/04/2020, with revision 1 dated 05/10/2022, signed and sealed by Tyler Westerling, P.E.
2. Test report on Wind Driven Rain Resistance of the 4" SS QB2 Kit w/ 3" Microflashing Solar Mount per TAS 100(A)-95, prepared by Intertek, Test Report No. **K8370.02-301-18 R0**, dated 06/04/2020, signed and sealed by Tyler Westerling, P.E.

C. CALCULATIONS

1. Anchor calculations prepared by Scott Wolters, dated 01/28/2022, signed and sealed by Scott Wolters, P.E.

D. MATERIAL CERTIFICATIONS

1. None.

E. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

F. STATEMENTS

1. Drawing statement of code conformance to the 7th edition (2020) of the FBC issued by QuikBolt a div of Quickscrews Int'l Corp., dated 01/28/2022, signed and sealed by Scott Wolters, P.E. on 05/26/2022
2. Statement letter of no financial interest issued by Wolters Engineering, dated 01/31/2022, signed and sealed by Scott Wolters, P.E.

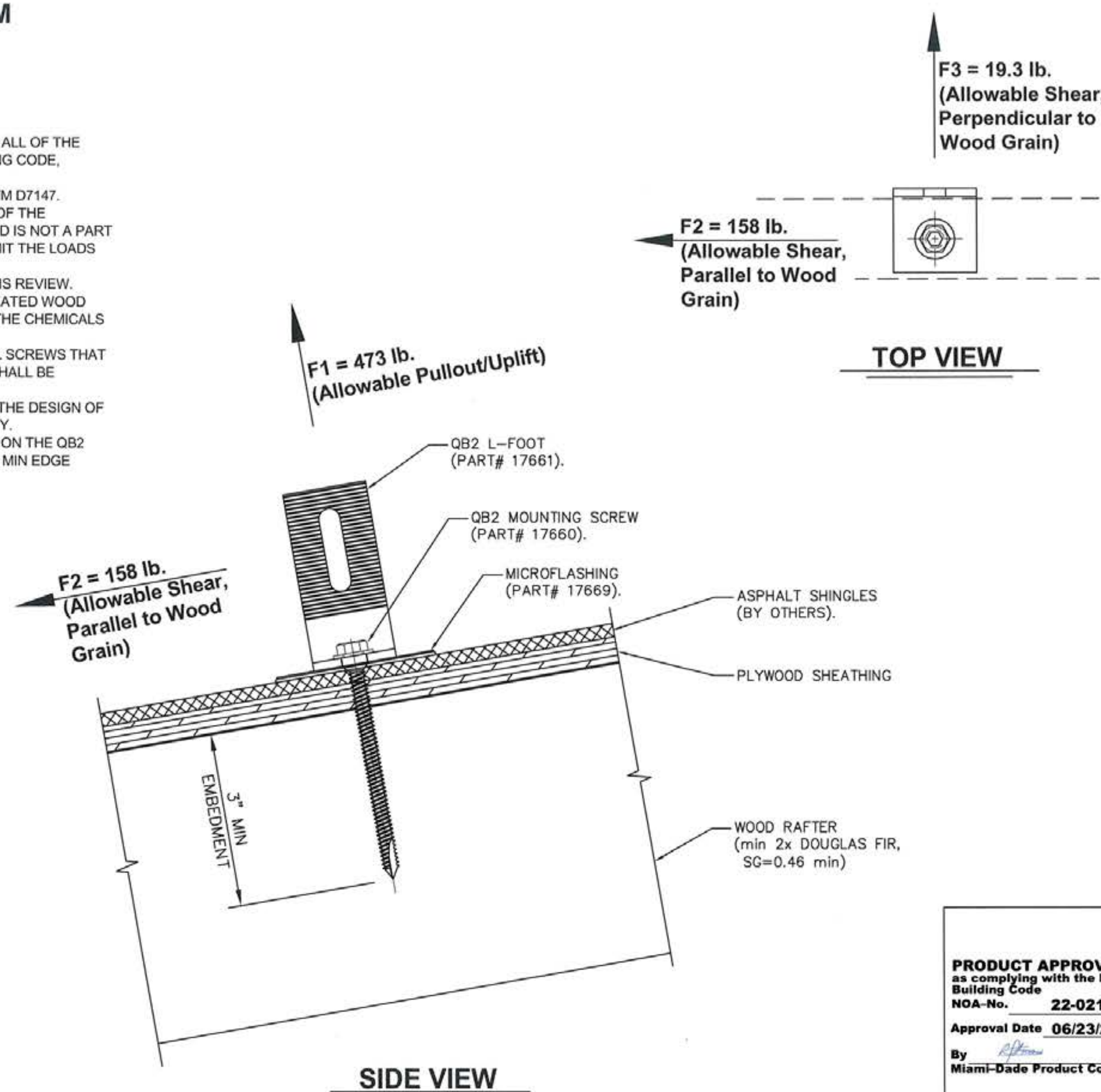
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No: 22-0214.03
Expiration Date: June 23, 2027
Approval Date: June 23, 2022

5830 Las Positas Road, Livermore CA 94551 | 3948 Airway Drive, Rock Hill SC 29732
Phone: (844) 671-6045 | Fax: (800) 689-7975 | www.quickbolt.com
QuickBOLT is a division of Quickscrews International Corp.

QB2 ANCHOR BRACKET SYSTEM WITH 3" MICROFLASHING.

GENERAL NOTES:

1. THIS SYSTEM HAS BEEN DESIGNED AND TESTED TO MEET ALL OF THE REQUIREMENTS OF THE 7TH EDITION (2020) FLORIDA BUILDING CODE, INCLUDING THE HVHZ PROVISIONS.
2. THIS SYSTEM HAS BEEN TESTED PER TAS 100(A) AND ASTM D7147.
3. THE DESIGN OF THE SUBSTRATE IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD OR OTHER SPECIALTY ENGINEER, AND IS NOT A PART OF THIS APPROVAL. THE SUBSTRATE MUST SAFELY TRANSMIT THE LOADS APPLIED TO THIS SYSTEM TO THE BUILDING STRUCTURE.
4. FIRE RATINGS OR FIRE RESISTANCE IS NOT A PART OF THIS REVIEW.
5. ALL ANCHORS SECURING THE SYSTEM TO PRESSURE TREATED WOOD SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE CHEMICALS IN THE WOOD.
6. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL BE PROTECTED PER FBC REQUIREMENTS.
7. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS PRODUCT. Cd=1.6 WAS USED FOR WOOD SCREWS ONLY.
8. VALUES SHOWN FOR THE ALLOWABLE LOADS ARE BASED ON THE QB2 MOUNTING SCREW INSTALLED WITH 3" MIN EMBEDMENT, 5/8" MIN EDGE DISTANCE, AND 2 1/2" MIN. END DISTANCE.



REV.#	DATE	PRINTS ISSUED FOR
-	1/28/22	1ST SUBMITTAL

QuickBOLT
World's First UL Certified Microflashing®
5830 LAS POSITAS RD
LIVERMORE, CA 94551
PH: (844) 671-6045
WWW.QUICKBOLT.COM

SCOTT WOLTERS LICENSE No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER MAY 26 2022

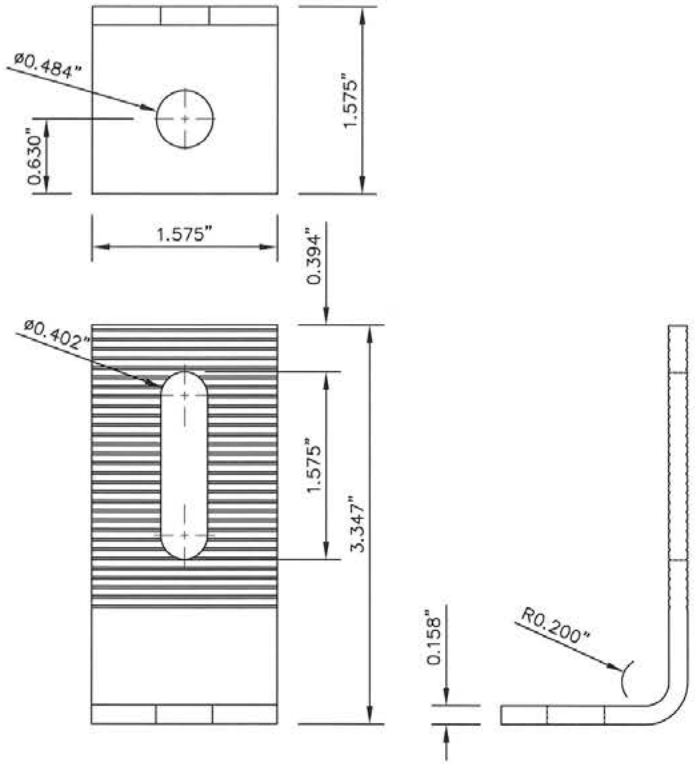
SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX:(561) 225-1982

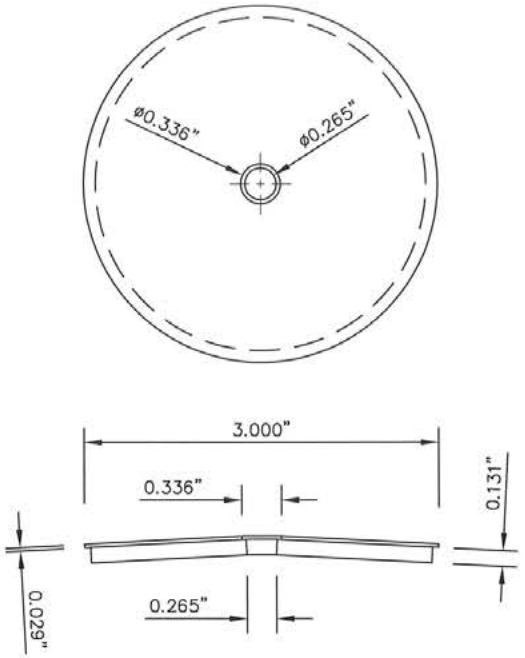
PRODUCT APPROVED
as complying with the Florida Building Code
NOA-No. 22-0214.03
Approval Date 06/23/2022
By
Miami-Dade Product Control

PRODUCT: QB2 KIT WITH SS L-FOOT AND 3" MICROFLASHING
DWG: QB2HVHZ
SHEET: 1/2

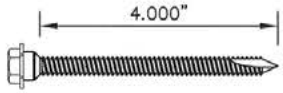
QB2 ANCHOR BRACKET SYSTEM WITH 3" MICROFLASHING.



PART# 17661 – QB2 L–FOOT BRACKET. (304 SERIES STAINLESS STEEL).



PART# 17669 – 3" MICROFLASHING.
3"ø x 0.029" STAINLESS STEEL (304 SERIES) WASHER, WITH 2 7/8"ø x 0.131" EPDM GASKET.



PART# 17660 – 5/16"x4" STAINLESS STEEL (304 SERIES) HEX FLANGE DUAL DRIVE WOOD SCREW.

PRODUCT APPROVED
as complying with the Florida Building Code
NOA-No. 22-0214.03
Approval Date 06/23/2022
By
Miami-Dade Product Control

REV.#	DATE
–	1ST SUBMITTAL 1/28/22
	PRINTS ISSUED FOR

QuickBOLT
World's First UL Certified Microflashing®
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LIVERMORE, CA 94551
PH: (844) 671-6045
WWW.QUICKBOLT.COM

SCOTT WOLTERS LICENSE NO. 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER
SCOTT WOLTERS
FL. PE# 62354
WOLTERS ENGINEERING
(CORPORATION)
1521 6TH ROAD N
WEST PALM BEACH, FL. 33412
PH/FAX: (561) 225-1982

PRODUCT: QB2 KIT WITH SS L-FOOT AND 3" MICROFLASHING
DWG: QB2HVHZ
SHEET: 2/2

FLORIDA APPROVAL LETTER

FL# 35022 December 8th, 2021

To whom this may concern,

QuickBOLT's strongest Top Mount, QB2, has been officially approved by the Florida Department of Business and Professional Regulations. Now that QB2 has been approved, solar installers in Florida can expect an even easier permitting process when submitting designs that include the QB2.

Florida is known for having notoriously high standards for building codes due to its High-Velocity Hurricane Zones (HVHZ), like in Miami Dade County. All new projects must meet a set of requirements to ensure products are secure when tested against these extreme weather conditions. Florida Product Approval Numbers (FL#) are the state measurement for these requirements. This approval requires going through a series of rigorous product evaluations.

QuickBOLT received its Florida Approval in January 2021 for their QB2 Kit with 3" Microflashing®, which mounts over asphalt shingle. Our Florida Approval included TAS 100(A) and Load Testing, which are the same tests required for Miami-Dade approval.

Regards,

Corrina Roberts
Campaign Manager

FLORIDA BUILDING CODE
APPROVED APPLICANT PAGE

FLORIDA DEPARTMENT OF
Business & Professional Regulation

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Florida dbpr

Product Approval
USER: Public User

Product Approval Menu > **Application Detail**

OFFICE OF THE SECRETARY

FL #	FL35022
Application Type	New
Code Version	2020
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer	QuickBolt - A Division of Quickscrews, Inc.
Address/Phone/Email	5830 Las Positas Road Livermore, CA 94551 (925) 371-8215 gwiener@quickscrews.com
Authorized Signature	Greg Wiener gwiener@quickscrews.com
Technical Representative Address/Phone/Email	
Quality Assurance Representative Address/Phone/Email	
Category	Structural Components
Subcategory	Anchors
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer ☐ Evaluation Report - Hardcopy Received
Florida Engineer or Architect Name who developed the Evaluation Report	Scott Wolters
Florida License	PE-62354
Quality Assurance Entity	Intertek Testing Services NA, Inc. - QA Entity
Quality Assurance Contract Expiration Date	12/31/2023
Validated By	Lucas A. Turner, P.E., MBA ☑ Validation Checklist - Hardcopy Received
Certificate of Independence	FL35022_R0_COI_QB2 COI.pdf

Referenced Standard and Year (of Standard)

Standard	Year
ASTM D7147	2011
TAS 100(A)	1995

Equivalence of Product Standards Certified By	
Sections from the Code	
Product Approval Method	Method 1 Option D
Date Submitted	10/24/2020
Date Validated	10/26/2020
Date Pending FBC Approval	11/01/2020
Date Approved	12/16/2020

Summary of Products

FL #	Model, Number or Name	Description
35022.1	QB2 Anchor Bracket System	Solar Anchor Bracket with 3" Microflashing.
Limits of Use **Approved for use in HVHZ:** Yes **Approved for use outside HVHZ:** Yes **Impact Resistant:** N/A **Design Pressure:** N/A **Other:** Please see Installation Drawings and Eval Report for Limits of Use.		**Installation Instructions** FL35022_R0_II_Q Install.pdf FL35022_R0_II_QB2 Dwg.pdf Verified By: Scott Wolters FLPE# 62394 Created by Independent Third Party: Yes **Evaluation Reports** FL35022_R0_AE_QB2 Eval.pdf Created by Independent Third Party: Yes

5830 Las Positas Road, Livermore CA 94551 | 3948 Airway Drive, Rock Hill SC 29732
Phone: (844) 671-6045 | Fax: (800) 689-7975 | www.quickbolt.com
QuickBOLT is a division of Quickscrews International Corp.

FLORIDA PRODUCT EVALUATION

WOLTERS ENGINEERING
ENGINEERING, DRAFTING, CONSULTING

15211 97th Road N
West Palm Beach, FL 33412
Ph/Fx: (561) 225-1982

PRODUCT EVALUATION

PRODUCT: QB2 ANCHOR BRACKET SYSTEM WITH 3" MICROFLASHING

MANUFACTURER: QUICKBOLT – A DIVISION OF QUICKSCREWS INC.
5830 LAS POSITAS ROAD
LIVERMORE, CA 94551

To all concerned,

The QB2 Anchor Bracket System with 3" Microflashing, manufactured by Quickbolt, has been tested per ASTM D7147 and TAS 100(A) by Intertek B&C, with results shown in test reports K8370.01-301-18-R0 and K8370.02-301-18-R0. This anchor bracket system meets all of the requirements of 7th Edition (2020) Florida Building Code, including the HVHZ provisions.

Technical Documentation:

1. Drawing "QB2HVHZ" dated 10/5//20, signed and sealed by Scott Wolters, PE.
2. Test Reports listed above by Intertek B&C. signed and sealed by Tyler Westerling, PE
3. Supplemental Calculations to support "QB2HVHZ" drawing, signed and sealed by Scott Wolters, PE.

I have reviewed this submittal per the requirements of FAC Product Approval Rule Chapter 61G20-3.005 (4). Based on the limitations listed below and those provided in the documents above, this product meets all the requirements of the 7th Edition (2020) Florida Building Code generally, and chapter 15 specifically, including the HVHZ provisions.

Limitations: This Roof System is approved for use inside and outside of the HVHZ.

Max Allowable Loads (ASD):	Direct Tension (F1):	709 lb.
	Strong Axis Shear (F2):	237 lb.
	Weak Axis Shear (F3):	29 lb.
Bracket Dimensions: (304 Series Stainless Steel)	Min. Thickness:	0.158 in
	Min Width:	1.575 in
	Max. Height:	3.347 in
Min. Fastener:	5/16" x 4" 304 Series SS Hex Flange Wood Screw	

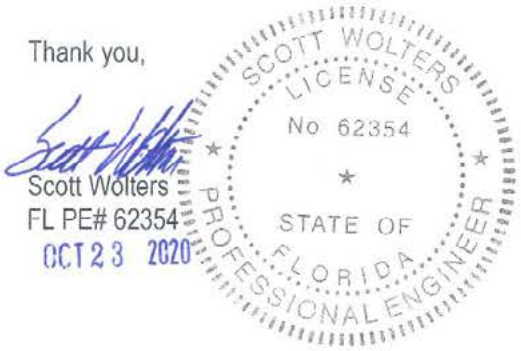
Flashing: 3" Microflashing, made from 3"x.0.29" 304 Series SS Washer with 2 7/8" x 0.131" EPDM Gasket

Other Limitations:

1. Fire classification is not a part of this evaluation. Refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Design of substrate is by others and is not a part of this evaluation.
3. Existing roofing is not a part of this evaluation.

If you have any questions or need more information concerning this approval, please contact me.

Thank you,



Scott Wolters
FL PE# 62354
OCT 23 2020

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QUICKSCREWS INTERNATIONAL CORP.
TEST REPORT

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

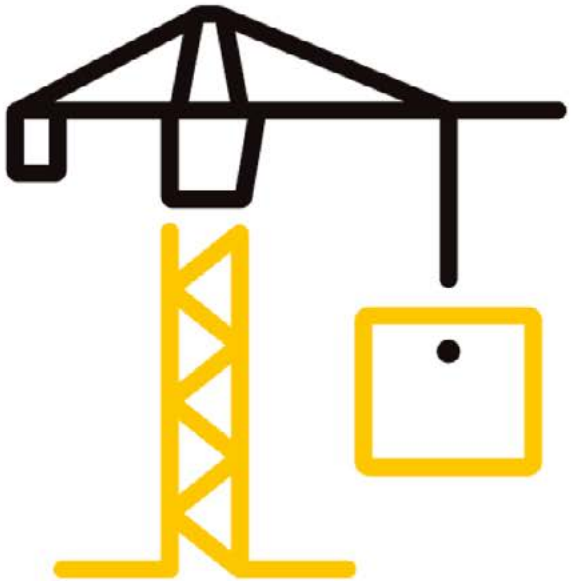
REPORT NUMBER
K8370.01-301-18- R1

TEST DATE
05/04/20

ISSUE DATE 06/04/20
REVISION 1 DATE 05/10/22

PAGES
6

DOCUMENT CONTROL NUMBER
GFT-OP-10c (AUGUST 27, 2018)



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Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR QUICKSCREWS INTERNATIONAL CORP.
Report No.: K8370.01-301-18- R1
Date: 05/10/22

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.

2022.05.11 10:09:25 -07'00'

For INTERTEK B&C:

COMPLETED BY:	Dennis Janzen	**REVIEWED BY:**	Tyler Westerling., P.E.
TITLE:	Technician	**TITLE:**	Operations Manager
SIGNATURE:	Dennis Janzen Digitally Signed by: Dennis Janzen	**SIGNATURE:**	Digitally Signed by: Tyler Westerling
DATE:	05/10/22	**DATE:**	05/10/22

TW:ms

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Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR QUICKSCREWS INTERNATIONAL CORP.
Report No.: K8370.01-301-18- R1
Date: 05/10/22

SECTION 2
SUMMARY OF TEST RESULTS

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

[2]

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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TEST REPORT FOR QUICKSCREWS INTERNATIONAL CORP.
Report No.: K8370.01-301-18- R1
Date: 05/10/22

SECTION 6
TEST PROCEDURE

Specimens were mounted to an Asphalt shingle covered nominal 2x6 Douglas Fir, with moisture ranging from 7% to 12%, 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	0.158" thick Stainless Steel	Measuring 1.575" x 1.575" with a 3.35" tall leg.
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	With Safety Factor of 3
Bending (weak direction)	58 lbs	60 lbs	59 lbs	58 lbs	19.3 lbs
Pullout	1,415 lbs	1421 lbs	1417 lbs	1,418 lbs	473 lbs
Shear	474 lbs	473 lbs	477 lbs	475 lbs	158 lbs

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www.intertek.com/building

TEST REPORT FOR QUICKSCREWS INTERNATIONAL CORP.
Report No.: K8370.01-301-18- R1
Date: 05/10/22

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

SECTION 9
PHOTOGRAPHS

Photo No. 1
Pullout Test

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TEST REPORT FOR QUICKSCREWS INTERNATIONAL CORP.
Report No.: K8370.01-301-18- R1
Date: 05/10/22

SECTION 10
REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	06/04/20	N/A	Original Report Issue
1	05/10/22	N/A	Updated product and installation details. Added the 3x safety factor.

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QUICKSCREWS INTERNATIONAL CORP. TEST REPORT

SCOPE OF WORK
TAS 100(A) TESTING ON Part# 17662 – 4.00" QB2 Kit 3" Microflashing® + SS-LFT 25/KTP

REPORT NUMBER
K8370.02-301-18 R0

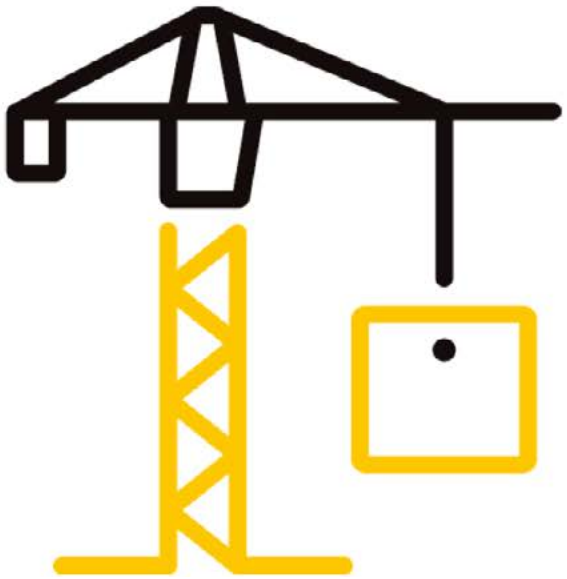
TEST DATE
05/04/20

ISSUE DATE
06/04/20

RECORD RETENTION END DATE
05/04/25

PAGES
11

DOCUMENT CONTROL NUMBER
ATI 00479 (07/24/17)
RT-R-AMER-Test-2805



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Telephone: 469-814-0687
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR QUICKSCREWS INTERNATIONAL CORP.
Report No.: K8370.02-301-18 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 Company to perform testing in accordance with TAS 100(A) – 95 testing on their 3" Microflashing® + SS-LFT 25/KTP. Results obtained are tested values and were secured by using the designated test method. Testing was conducted at 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.

SECTION 2
SUMMARY OF TEST RESULTS

The specimens tested met the performance requirements set forth in the protocols.

Product Type: Solar Mounting Fastener
Series/Model: Part# 17662 –
4.00" QB2 Kit 3" Microflashing® + SS-LFT 25/KTP

SPEC.	TEST PROTOCOL	LEVEL
1	TAS 100(A) – 95	110 MPH

2020.06.04 12:45:20 -07'00'

For INTERTEK B&C:

COMPLETED BY:	Dennis Janzen	**REVIEWED BY:**	Tyler Westerling, P.E.
TITLE:	Technician	**TITLE:**	Operations Manager
SIGNATURE:	Dennis Janzen Digitally Signed by: Dennis Janzen	**SIGNATURE:**	Digitally Signed by: Tyler Westerling
DATE:	06/04/20	**DATE:**	06/04/20

TW:ms

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TEST REPORT FOR QUICKSCREWS INTERNATIONAL CORP.
Report No.: K8370.02-301-18 R0
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SECTION 3
TEST METHOD

The specimens were evaluated in accordance with the following:

> **Testing Application Standard (TAS) No. 100(A) - 1995**, *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/INSTALLATION

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

The specimen was installed into an asphalt shingle test buck with lexan viewing window on the underside. Installation of the tested product was performed by Intertek B&C.

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

SECTION 5
EQUIPMENT

Calibrated Wind Generator - Reference calibration report I6737.03-801-44-r0 for calibration results.

SECTION 6
LIST OF OFFICIAL OBSERVERS

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

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SECTION 7
TEST RESULTS

Protocol TAS 100(A) – 95, *Wind Driven Rain Resistance*

Test Date: 05/04/20
The temperature during testing was 35°C (95°F). The results are tabulated as follows:

Test Specimen test results:

Wind Speed	Gallons Sprayed	Inches Per Hour	Gallons Collected	Notes
35	75.25	10.06	0	15 Minutes
70	76.09	10.17	0	15 Minutes
90	80.44	10.75	0	15 Minutes
110	25.14	10.08	0	5 Minutes
Total	**256.92**		**0**	
1% of total water sprayed	**2.5692 Gallons**		**0 Gallons Collected**	**Pass**

***General Note**: All testing was performed in accordance with the referenced standard.*

SECTION 8
CONCLUSIONS

Intertek B&C observed no signs of failure in any area of the test specimens during the test; as such, the test specimens satisfy the requirements of TAS 100(A) – 95.

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SECTION 9
PHOTOGRAPHS

Photo No. 1

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Photo No. 2

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SECTION 10
REVISION LOG

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