



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES
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

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/economy

Unirac, Inc.
1411 Broadway Blvd. NE
Albuquerque, New Mexico 87102

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: FlashKit Pro and FlashKit Pro SB L-Foot Aluminum Solar Mounts

APPROVAL DOCUMENT: Drawing No. **M-D NOA**, titled “FlashKit Pro and FlashKit Pro SB L-Foot” sheets 1 through 8 of 8, dated 03/05/2024, prepared by Unirac, Inc., signed and sealed by Saddam Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: NONE

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city and state and the following statement: "Miami-Dade County Product Control Approved", 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 **revises NOA # 21-0510.06** and consists of this page 1, evidence submitted pages E-1 and E-2 as well as approval document mentioned above.

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

04/25/24



NOA No. 24-0221.05
Expiration Date: May 21, 2025
Approval Date: May 2, 2024
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #19-0429.02

A. DRAWINGS

1. Drawing No. M-D NOA, titled "Solar PV Racking System" sheets 1 through 12 of 12, dated Nov. 19, 2019, last revision #2 dated April 21, 2020, prepared by CBuck Engineering, signed and sealed by James L. Buckner, P.E.

B. TESTS

1. Test report on ASTM D1761 – Withdrawal, Perpendicular and parallel shear Test, prepared by Intertek, Report No. J9904.01-106-18 R0, dated 09/17/19, signed and sealed by Gary T. Hartman, P.E.
2. Test report on TAS 100(A)-95 Wind and wind Driven Rain Resistance Test, prepared by Intertek, Report No. J0950.01-109-18, dated 12/19/18, signed and sealed by Joseph A. Reed, P.E.

C. CALCULATIONS

1. Calculation, 36 pages, dated 01/29/18, signed and sealed by Paul K. Zacher, P.E.

D. QUALITY ASSURANCE

1. By Miami-Dade County Department of regulatory and Economic Resources.

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Florida Building Code, 2017 Edition, compliance letter dated April 29, 2020, prepared by CBuck Engineering, signed and sealed by James L. Buckner, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0221.05
Expiration Date: May 21, 2025
Approval Date: May 2, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER NOA # 21-0510.06 AND NEW

A. DRAWINGS

1. Drawing No. **M-D NOA**, titled “FlashKit Pro and FlashKit Pro SB L-Foot” sheets 1 through 8 of 8, dated 03/05/2024, prepared by Unirac, Inc., signed and sealed by Saddam Ahmad, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

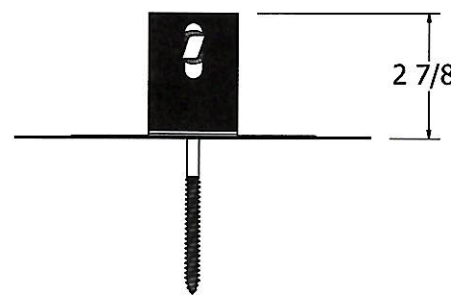
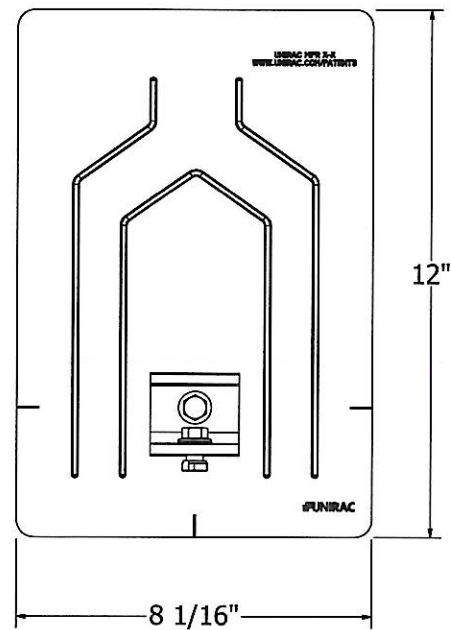
1. Statement letter of code conformance with the 8th edition (2023) of the FBC and of no financial interest, issued Engineering Alliance, Inc., dated 04/04/2024, signed and sealed by Saddam Ahmad, P.E.

“Submitted under NOA # 21-0510.06”

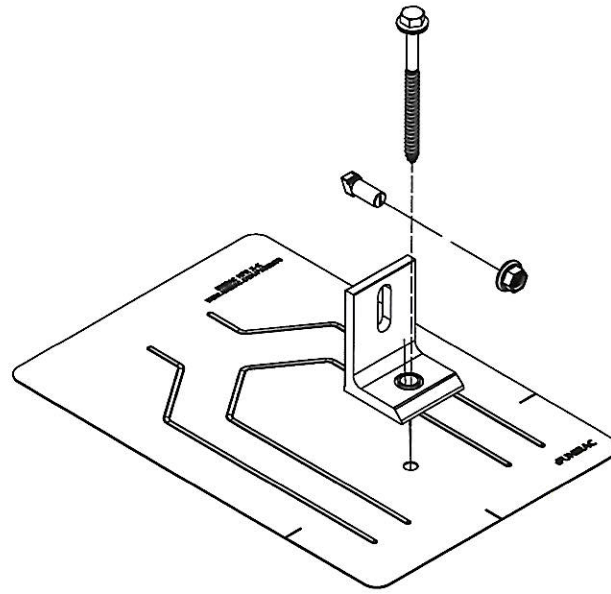
2. Statement letter of code conformance with the 7th edition (2020) of the FBC, issued by CBuck Engineering, dated 04/08/2021, signed and sealed by James L. Buckner, P.E.



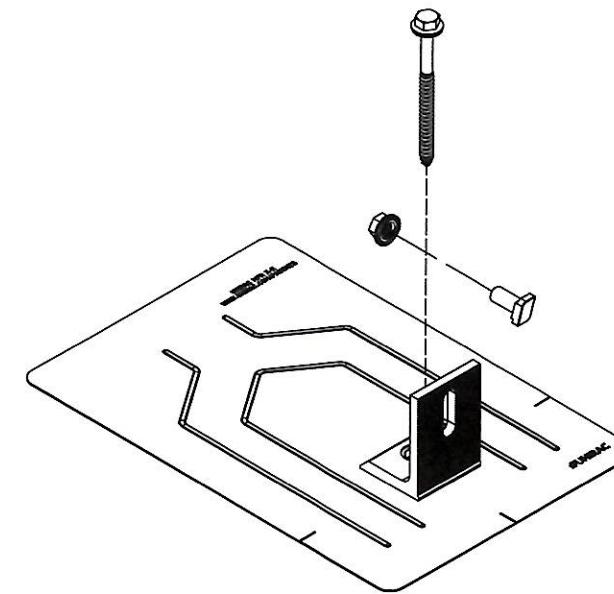
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0221.05
Expiration Date: May 21, 2025
Approval Date: May 2, 2024



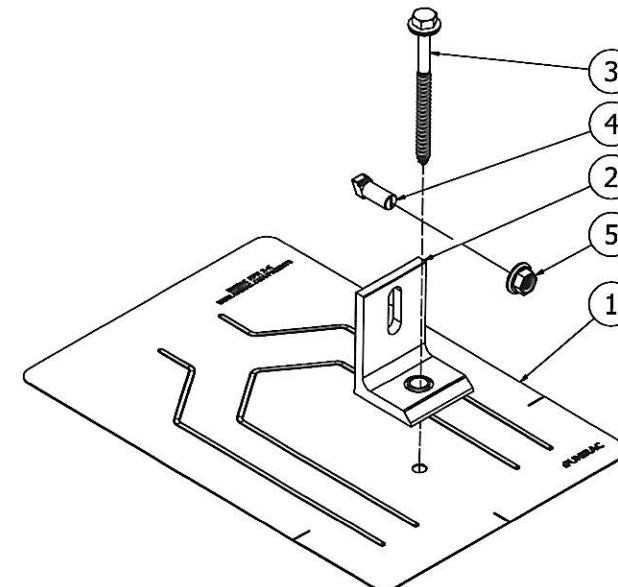
SOLARMOUNT FLASHKIT PRO
L-FOOT ASSEMBLY



SOLARMOUNT FLASHKIT PRO
INSTALL ORIENT 1



SOLARMOUNT FLASHKIT PRO
INSTALL ORIENT 2



SOLARMOUNT FLASHKIT PRO
INSTALL ORIENT 1

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 24-0221.05
Expiration Date 05/21/2025
By *[Signature]*
Miami-Dade Product Control

PE SIGNATURE:

PE DATE:

4/4/24

ASSEMBLY NUMBER - NAME	ITEM #	DESCRIPTION	MATERIAL	MINIMUM YIELD (KSI)	MINIMUM ULTIMATE (KSI)
004055M, (MILL) 004055D (DARK) - SOLARMOUNT FLASHKIT PRO ASSEMBLY	1	8" FLASHING SH	ALUMINUM, 5005-H34, 19 GAGE	N/A	N/A
	2	L-FOOT	EXTRUDED ALUMINUM PER ASTM B221-08: 6005A-T61 OR 6061-T6	35	38
	3	LAG SCREW	18/8 STAINLESS STEEL	N/A	85
	4	BOLT, ENHNC D T 3/8-16X0.75 SS	300 SERIES STAINLESS STEEL	N/A	70
	5	NUT, SERR FLG 1/2" HEX 3/8-16	300 SERIES 18-8 STAINLESS STEEL	N/A	85

UNIRAC
1411 BROADWAY BOULEVARD NE
ALBUQUERQUE, NM, USA, 87102
WWW.UNIRAC.COM

REV	DATE	DESCRIPTION	CHK	SM
A	3/05/24	INITIAL RELEASE		

FOR
MIAMI-DADE
COUNTY

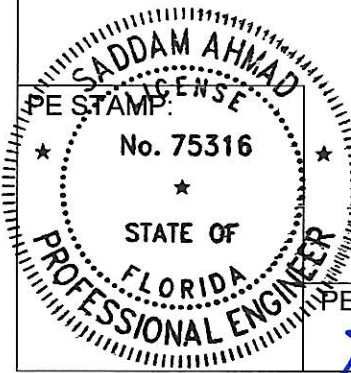
PROJECT
MIAMI-DADE CO.
NOA

PROJECT ADDRESS

TITLE
FLASHKIT L-FOOT,
SWITCHBLADE
L-FOOT
ATTACHMENTS

DWG NO.
M-D NOA

SHEET 1 OF 8



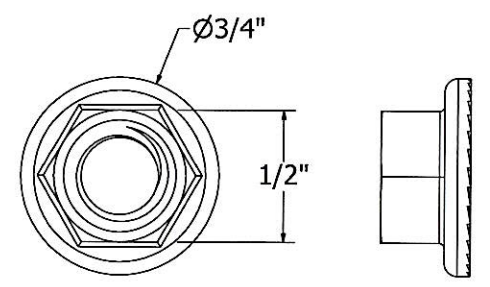
REV	DATE	DESCRIPTION	CHK
A	3/05/24	INITIAL RELEASE	SM

FOR
 MIAMI-DADE
 COUNTY

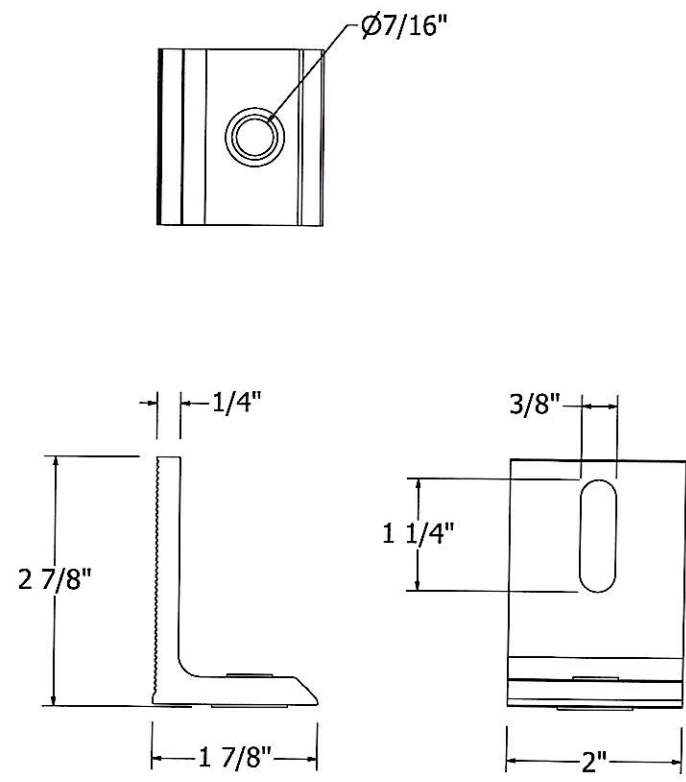
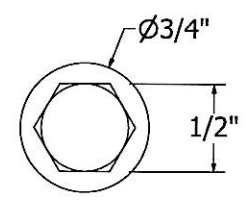
PROJECT
 MIAMI-DADE CO.
 NOA
 PROJECT ADDRESS

TITLE
 FLASHKIT L-FOOT,
 SWITCHBLADE
 L-FOOT
 ATTACHMENTS

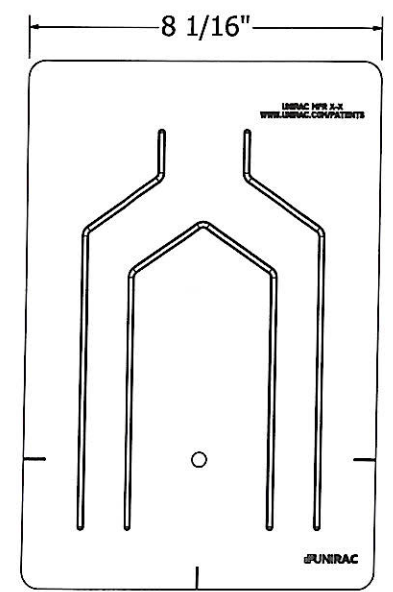
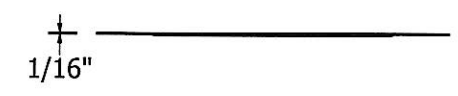
DWG NO.
 M-D NOA
 SHEET 2 OF 8



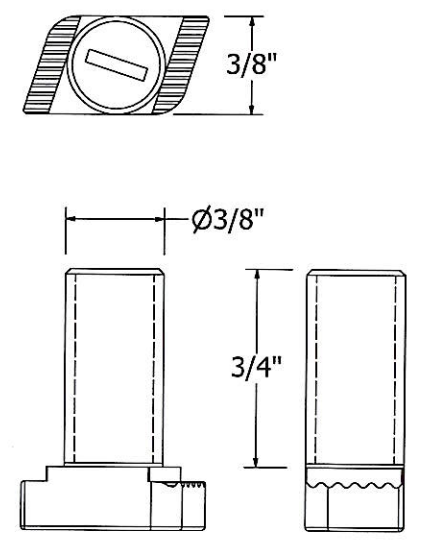
ITEM 5
 3/8-16 SERRATED FLANGE NUT



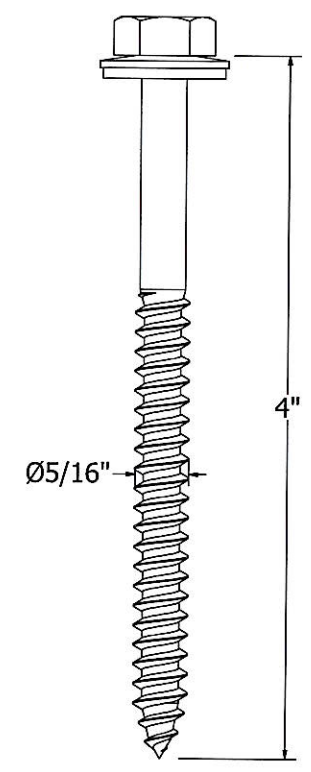
ITEM 2
 L-FOOT GROMMET ASSEMBLY



ITEM 1
 8 INCH FLASHING SH



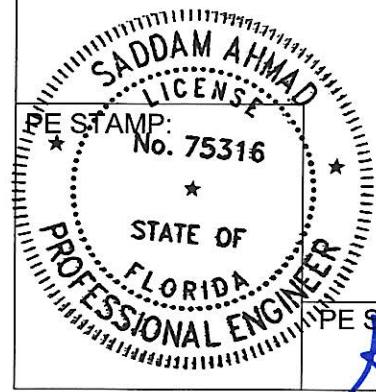
ITEM 4
 3/8-16 ENHNC D T-BOLT



ITEM 3
 LAG SCREW EPDM WASHER ASSEMBLY

PRODUCT REVISED
 as complying with the Florida
 Building Code
 NOA-No. 24-0221.05
 Expiration Date 05/21/2025
 By *[Signature]*
 Miami-Dade Product Control

ASSEMBLY NUMBER - NAME	ITEM #	DESCRIPTION	MATERIAL	MINIMUM YIELD (KSI)	MINIMUM ULTIMATE (KSI)
004055M, (MILL) 004055D (DARK) - SOLARMOUNT FLASHKIT PRO ASSEMBLY	1	8" FLASHING SH	ALUMINUM, 5005-H34, 19 GAGE	N/A	N/A
	2	L-FOOT	EXTRUDED ALUMINUM PER ASTM B221-08: 6005A-T61 OR 6061-T6	35	38
	3	LAG SCREW	18/8 STAINLESS STEEL	N/A	85
	4	BOLT, ENHNC D T 3/8-16X0.75 SS	300 SERIES STAINLESS STEEL	N/A	70
	5	NUT, SERR FLG 1/2" HEX 3/8-16	300 SERIES 18-8 STAINLESS STEEL	N/A	85



PE SIGNATURE: *[Signature]*
 PE DATE: 4/4/24

WITHDRAWAL AND LATERAL LOADS FROM NDS

LOAD DURATION FACTOR (C_D) = 1.6

WET SERVICE FACTOR (C_M) = 1

TEMPERATURE FACTORS (C_T) = 1.0

GROUP ACTION FACTOR (C_G) = 1

GEOMETRY FACTOR (C_A) = 1

END GRAIN FACTOR (C_{eg}) = 1

DIAPHRAGM FACTOR (C_{di}) = 1

TOE-NAIL FACTOR (C_{tn}) = 1

WITHDRAWAL LOADS

WITHDRAWAL DESIGN VALUE(W) = 205 LBS. PER INCH (FROM NDS TABLE 12.2A)

WITHDRAWAL LOADS_W = 205 X 1 X 1.6 X 1 X 1 X 1 X 1 X 1.85 = 606.8 LBS.

LATERAL LOADS

LATERAL DESIGN VALUE(Z) = MINIMUM OF PARALLEL = 250 LBS.(FROM NDS TABLE 12K)

GROUP ACTION FACTOR (C_G) = 0.97

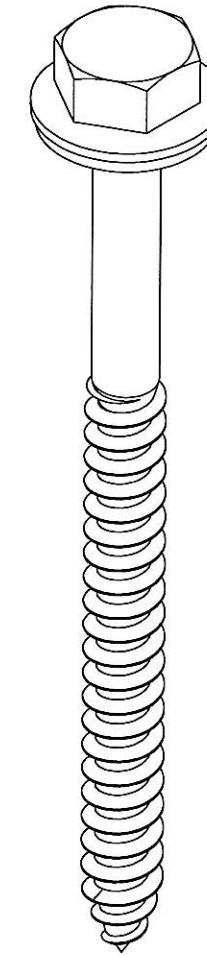
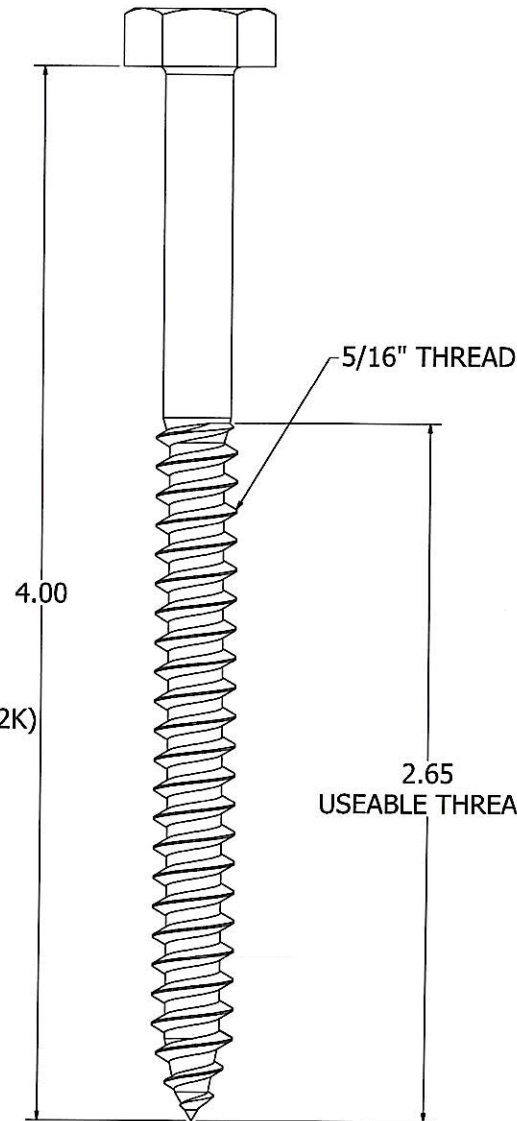
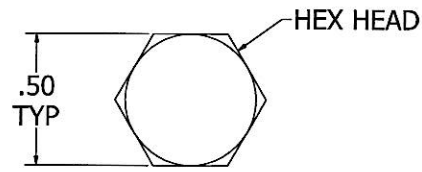
LATERAL LOADS_Z = 250 X 1.6 X 1 X 0.97 X 1 X 1 X 1 X 1 X 1.85/2.5 = 287.12 LBS.

LATERAL DESIGN VALUE(Z) = MINIMUM OF PERPENDICULAR = 160 LBS.(FROM NDS TABLE 12K)

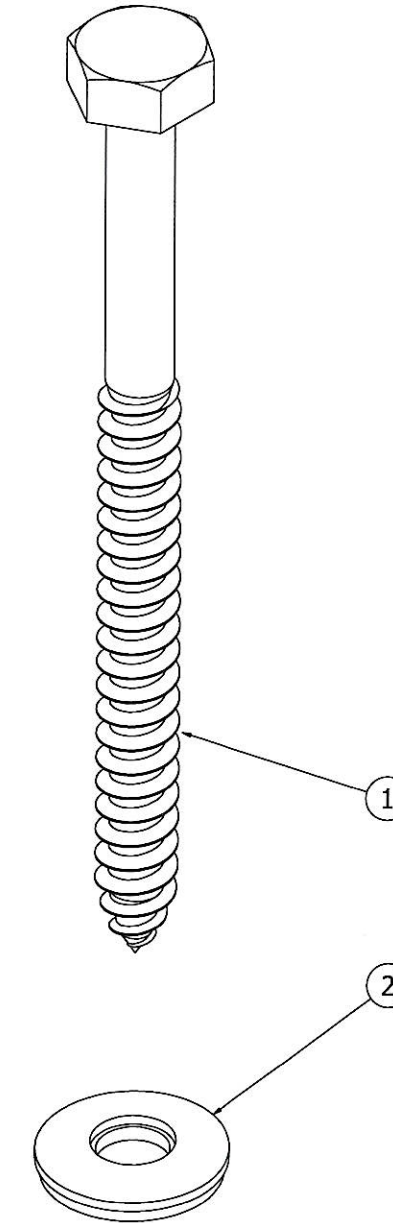
GROUP ACTION FACTOR (C_G) = 1

LATERAL LOADS_Z = 160 X 1.6 X 1 X 1 X 1 X 1 X 1 X 1 X 1.85/2.5 = 189.44 LBS.

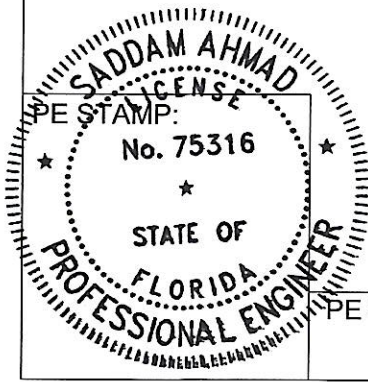
*ASSUMED G = 0.42 SPRUCE PINE



SH LAG SCREW WITH WASHER



PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 24-0221.05
Expiration Date 05/21/2025
By *[Signature]*
Miami-Dade Product Control



PE SIGNATURE: *[Signature]* PE DATE: 4/4/24

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	M31150	5/16 X 4.00 HEX HEAD LAG SCREW, SS
2	1	M30062	5/16 EPDM WASHER SS

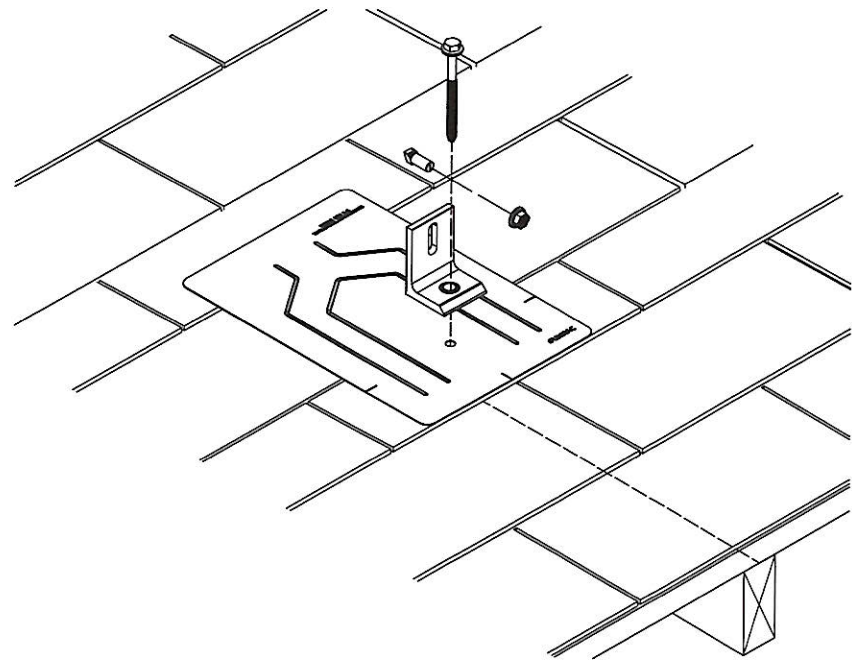
REVISIONS	CHK	SM
DESCRIPTION		
INITIAL RELEASE		
REV DATE		
A	3/05/24	

FOR MIAMI-DADE COUNTY

PROJECT MIAMI-DADE CO. NOA

PROJECT ADDRESS TITLE FLASHKIT L-FOOT, SWITCHBLADE L-FOOT ATTACHMENTS

DWG NO. M-D NOA SHEET 3 OF 8



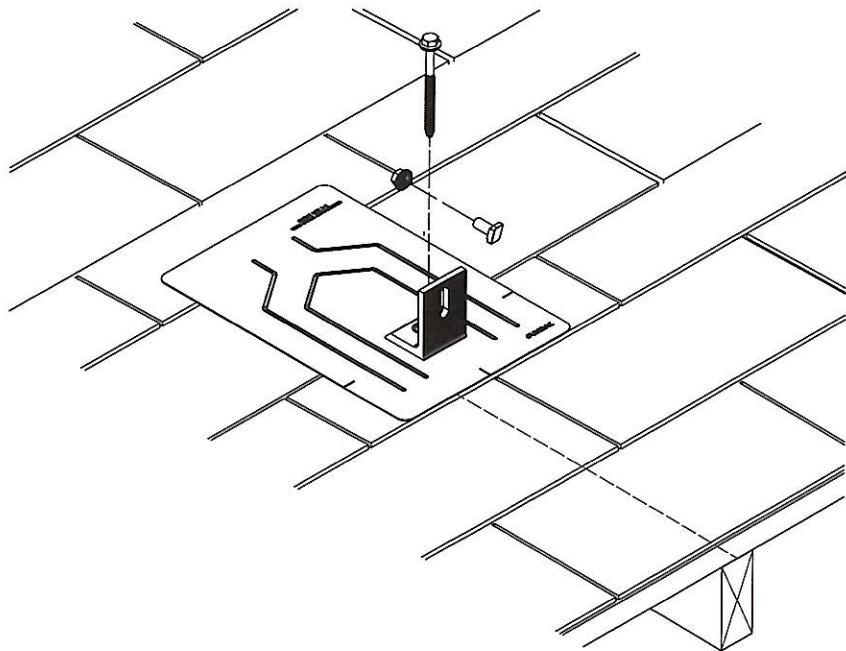
SOLARMOUNT FLASHKIT PRO L-FOOT INSTALLATION
NOT TO SCALE

STRUCTURAL MEMBER SPECIFICATION:

MINIMUM WOOD GRADE = SPF #2
MINIMUM SPECIFIC GRAVITY = 0.42

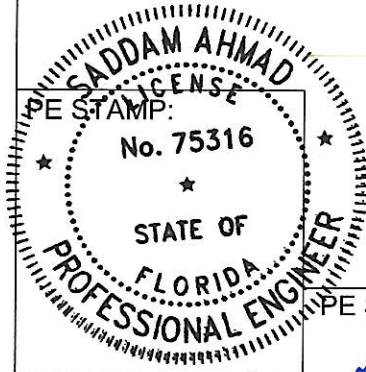
ALLOWABLE FASTENER UPLIFT = 606.8 lbs
ALLOWABLE FASTENER LATERAL = 160 lbs

MINIMUM FASTENER EDGE DISTANCE = 0.5"
MINIMUM FASTENER END DISTANCE = 2.2"

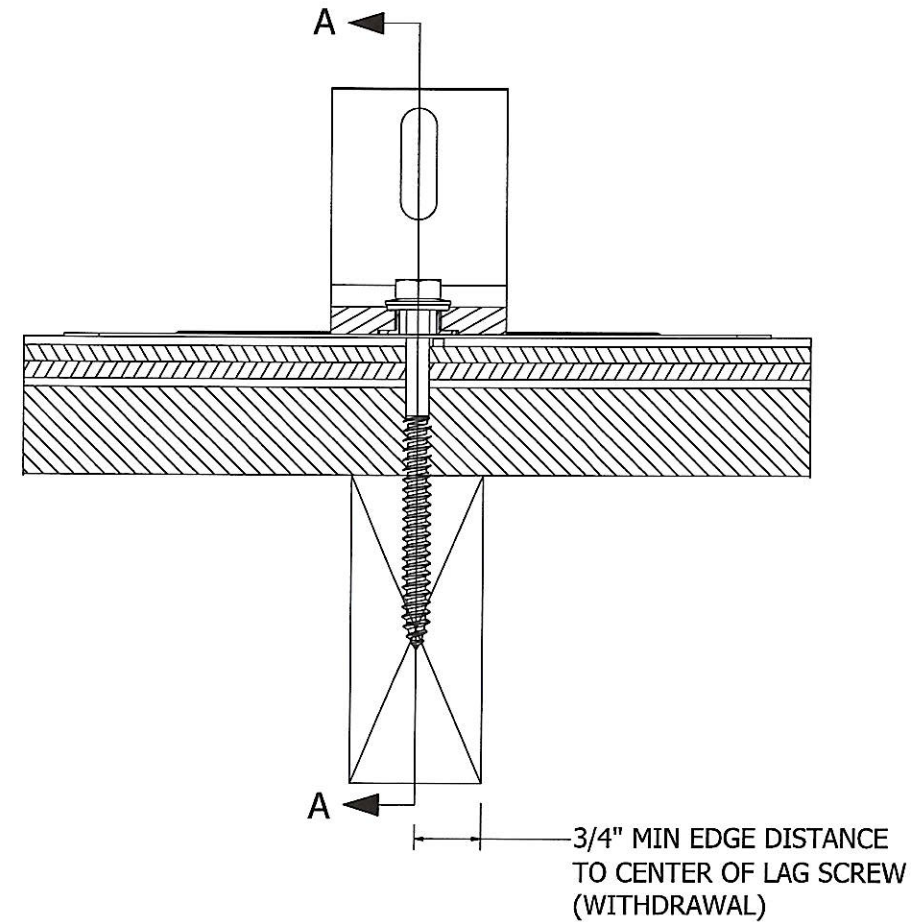


ALTERNATE L-FOOT CONFIGURATION
NOT TO SCALE

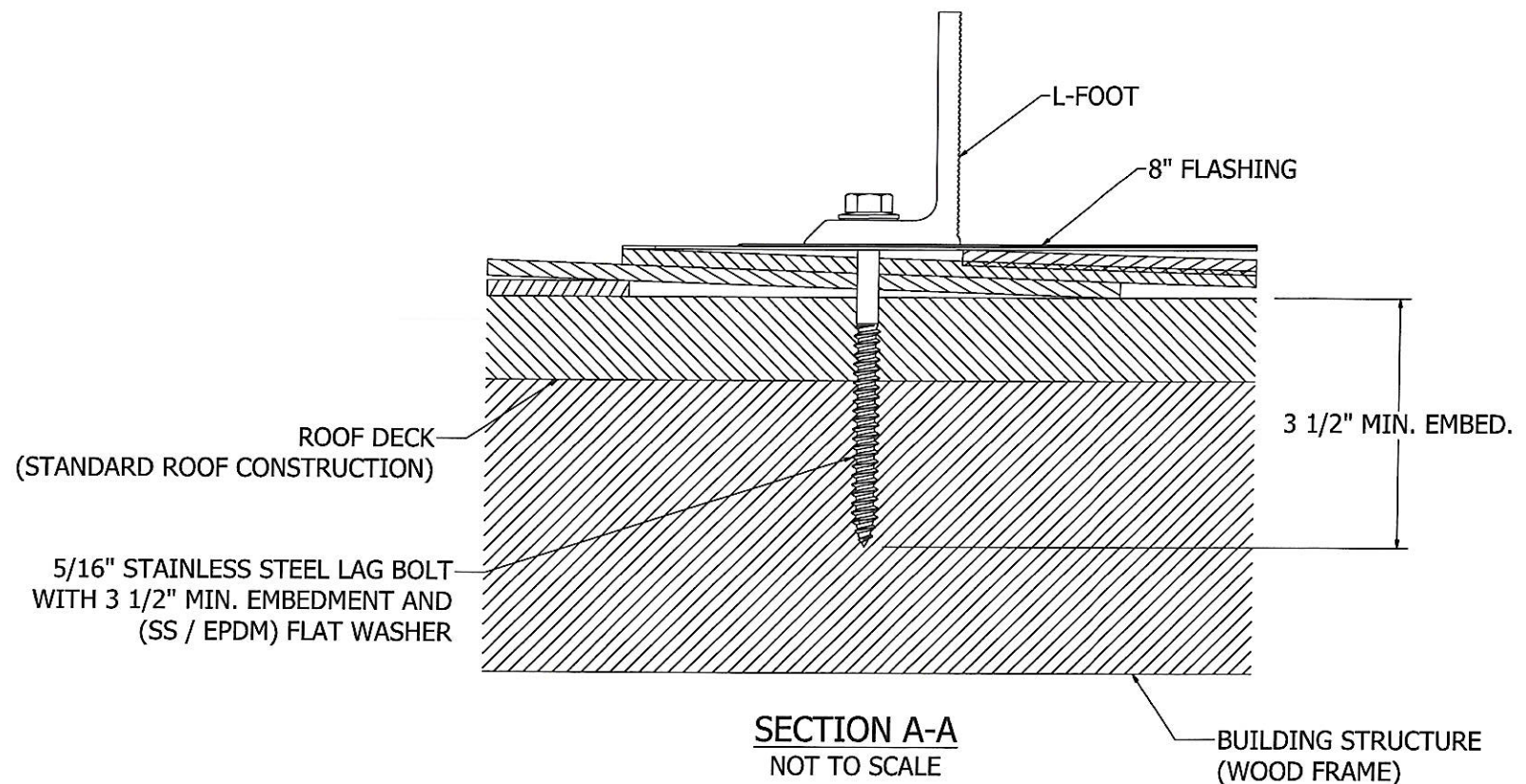
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 24-0221.05
Expiration Date 05/21/2025
By *[Signature]*
Miami-Dade Product Control



PE SIGNATURE: *[Signature]* PE DATE: 4/4/24



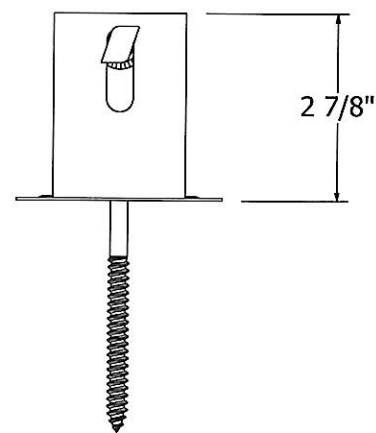
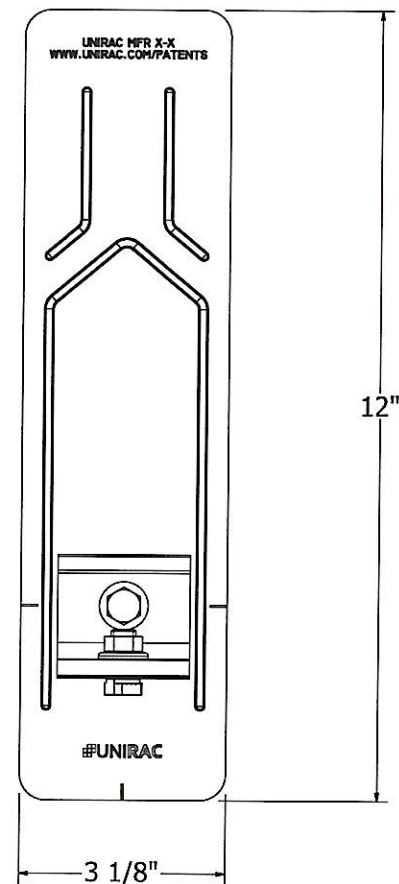
SECTION L-FOOT FLASHING DETAIL
NOT TO SCALE



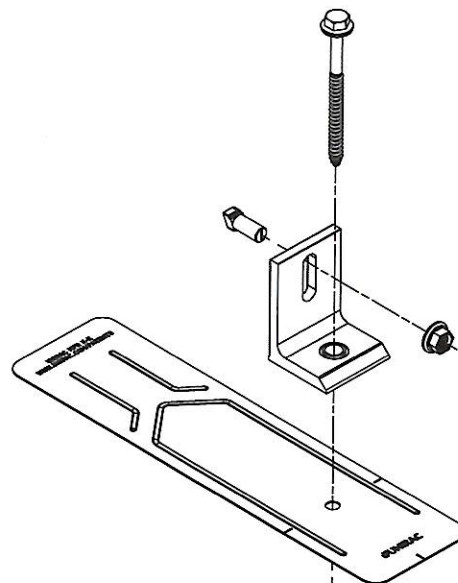
SECTION A-A
NOT TO SCALE

REVISIONS	CHK	SM	DESCRIPTION
1	A		INITIAL RELEASE
2			
3			
4			
5			
6			
7			
8			
9			
10			

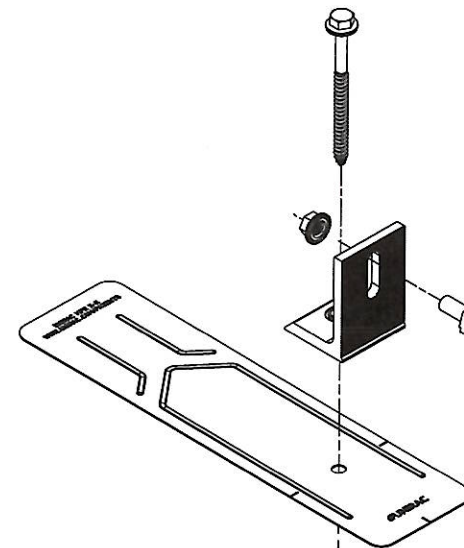
FOR	MIAMI-DADE COUNTY
PROJECT	MIAMI-DADE CO. NOA
PROJECT ADDRESS	
TITLE	FLASHKIT L-FOOT, SWITCHBLADE L-FOOT ATTACHMENTS
DWG NO.	M-D NOA
SHEET	4 OF 8



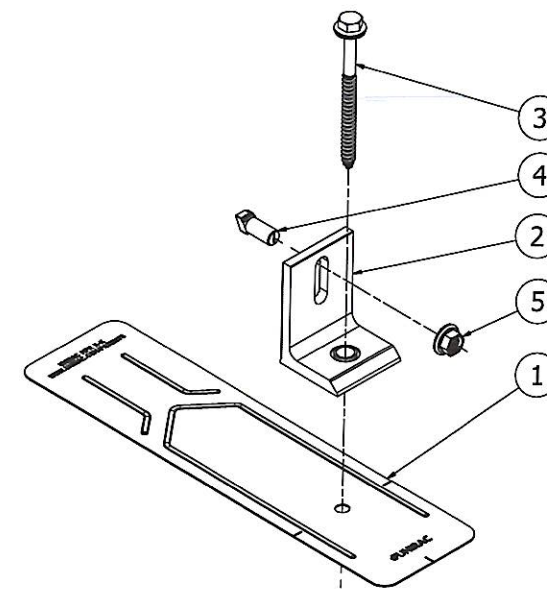
FLASHKIT PRO SB
L-FOOT ASSEMBLY



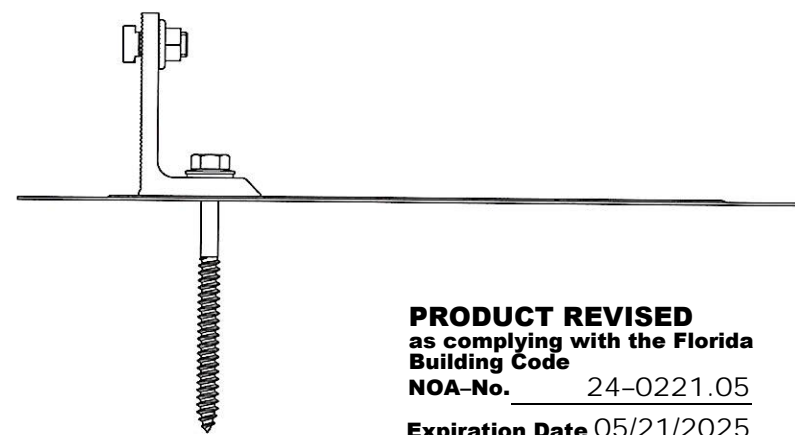
FLASHKIT PRO SB
L-FOOT ORIENT 1



FLASHKIT PRO SB
L-FOOT ORIENT 2



FLASHKIT PRO SB
L-FOOT ORIENT 1



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 24-0221.05
Expiration Date 05/21/2025
By *[Signature]*
Miami-Dade Product Control

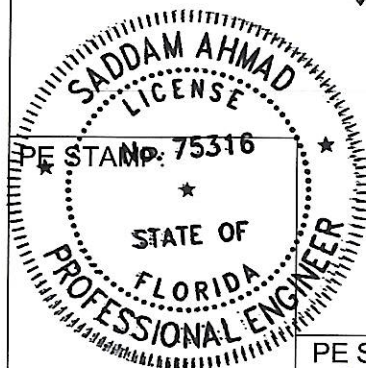
ASSEMBLY NUMBER - NAME	ITEM #	DESCRIPTION	MATERIAL	MINIMUM YIELD (KSI)	MINIMUM ULTIMATE (KSI)
004015M, (MILL) 004015D (DARK) - SOLARMOUNT FLASHKIT PRO SB, ASSEMBLY	1	3" FLASHING SH	ALUMINUM, 5005-H34, 19 GAGE	N/A	N/A
	2	L-FOOT	EXTRUDED ALUMINUM PER ASTM B221-08: 6005A-T61 OR 6061-T6	35	38
	3	LAG SCREW	18/8 STAINLESS STEEL	N/A	85
	4	BOLT, ENHNC D T 3/8-16X0.75 SS	300 SERIES STAINLESS STEEL	N/A	70
	5	NUT, SERR FLG 1/2" HEX 3/8-16	300 SERIES 18-8 STAINLESS STEEL	N/A	85

PE SIGNATURE:

[Signature]

PE DATE:

4/4/24



REVISIONS	CHK	SM
REV DATE		
A	3/05/24	
DESCRIPTION		
		INITIAL RELEASE

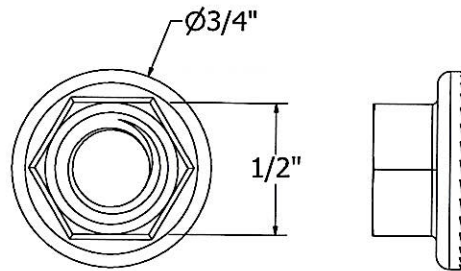
FOR
MIAMI-DADE
COUNTY

PROJECT
MIAMI-DADE CO.
NOA

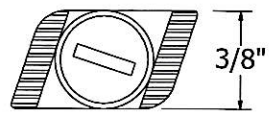
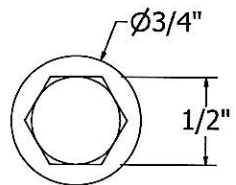
PROJECT ADDRESS

TITLE
FLASHKIT L-FOOT,
SWITCHBLADE
L-FOOT
ATTACHMENTS

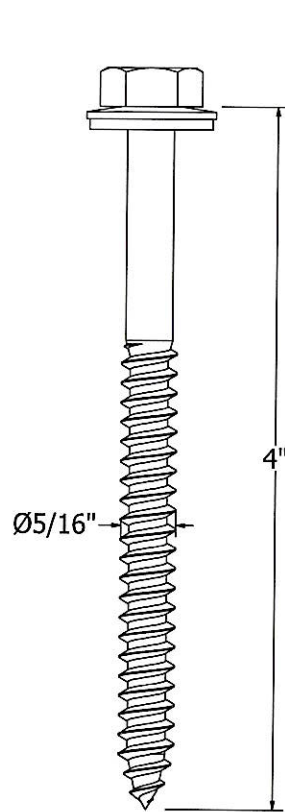
DWG NO.
M-D NOA
SHEET 5 OF 8



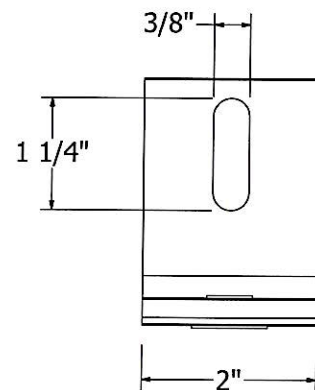
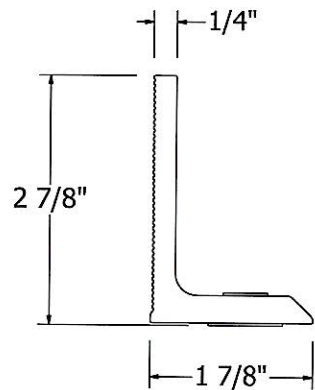
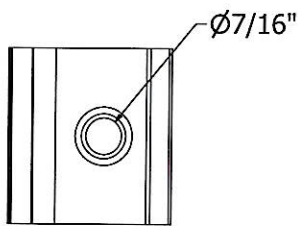
ITEM 5
 3/8-16 SERRATED FLANGE NUT



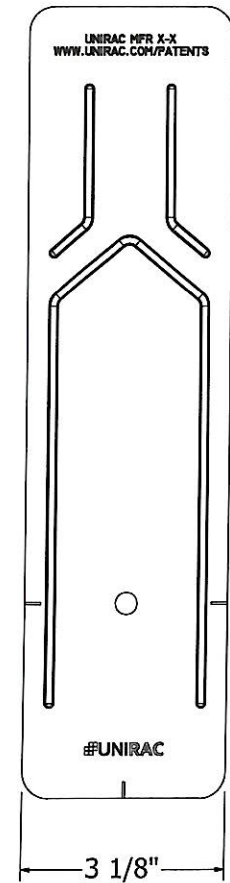
ITEM 4
 3/8-16 ENHNCD T-BOLT



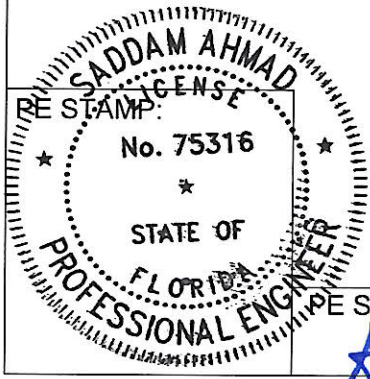
ITEM 3
 LAG SCREW EPDM WASHER ASSEMBLY



ITEM 2
 L-FOOT GROMMET ASSEMBLY



ITEM 1
 3 INCH FLASHING



PRODUCT REVISED
 as complying with the Florida
 Building Code
 NOA-No. 24-0221.05
 Expiration Date 05/21/2025
 By *S.Ahmad*
 Miami-Dade Product Control

PE SIGNATURE: *AH* PE DATE: 4/14/24

ASSEMBLY NUMBER - NAME	ITEM #	DESCRIPTION	MATERIAL	MINIMUM YIELD (KSI)	MINIMUM ULTIMATE (KSI)
004015M, (MILL)	1	3" FLASHING SH	ALUMINUM, 5005-H34, 19 GAGE	N/A	N/A
004015D (DARK) - SOLARMOUNT FLASHKIT PRO SB, ASSEMBLY	2	L-FOOT	EXTRUDED ALUMINUM PER ASTM B221-08: 6005A-T61 OR 6061-T6	35	38
	3	LAG SCREW	18/8 STAINLESS STEEL	N/A	85
	4	BOLT, ENHNCD T 3/8-16X0.75 SS	300 SERIES STAINLESS STEEL	N/A	70
	5	NUT, SERR FLG 1/2" HEX 3/8-16	300 SERIES 18-8 STAINLESS STEEL	N/A	85

REVISIONS	CHK		DESCRIPTION
	REV DATE	SM	
A	3/05/24		INITIAL RELEASE

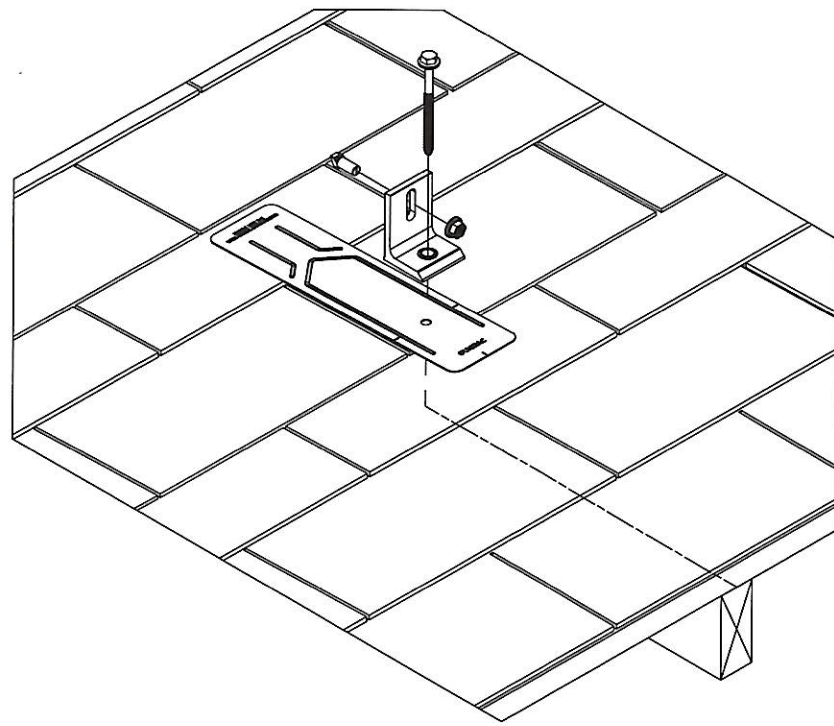
FOR
 MIAMI-DADE COUNTY

PROJECT
 MIAMI-DADE CO. NOA

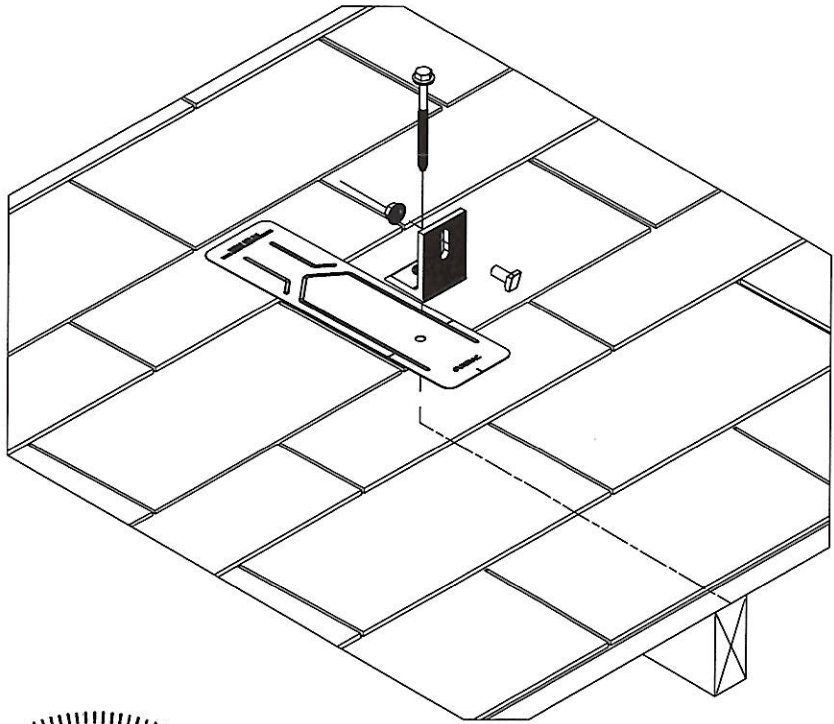
PROJECT ADDRESS

TITLE
 FLASHKIT L-FOOT, SWITCHBLADE L-FOOT ATTACHMENTS

DWG NO.
 M-D NOA
 SHEET 6 OF 8



SOLARMOUNT FLASHKIT PRO SB L-FOOT INSTALLATION
NOT TO SCALE



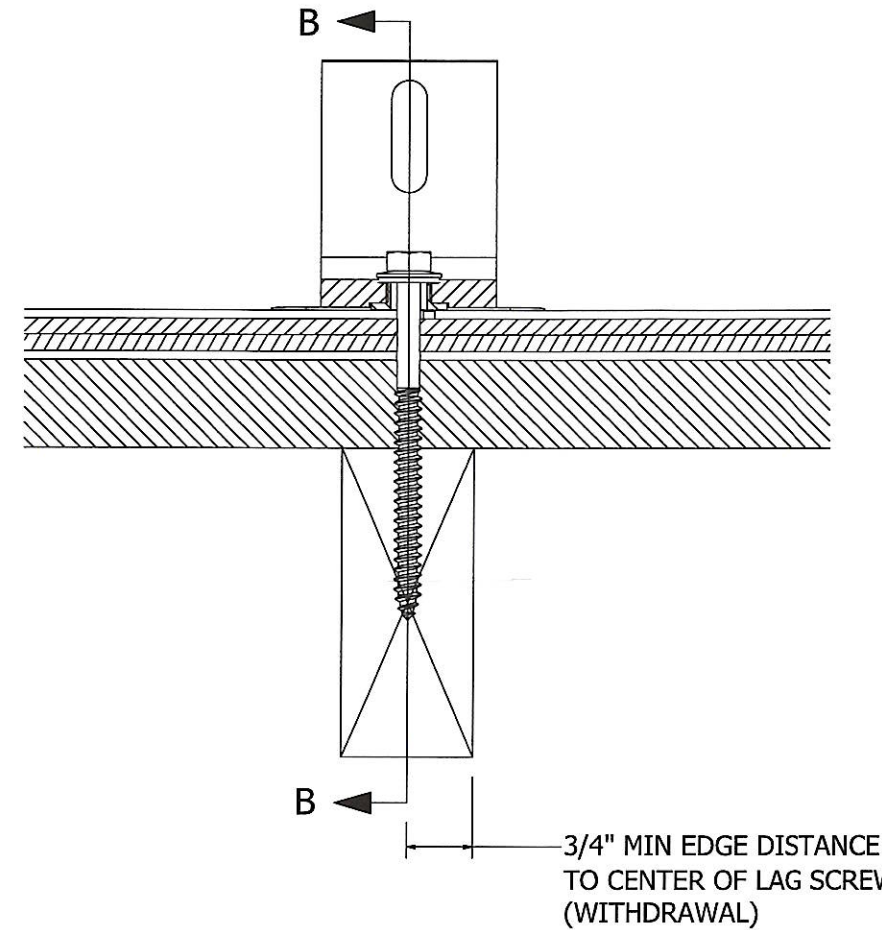
ALTERNATE L-FOOT CONFIGURATION
NOT TO SCALE

STRUCTURAL MEMBER SPECIFICATION:

MINIMUM WOOD GRADE = SPF #2
MINIMUM SPECIFIC GRAVITY = 0.42

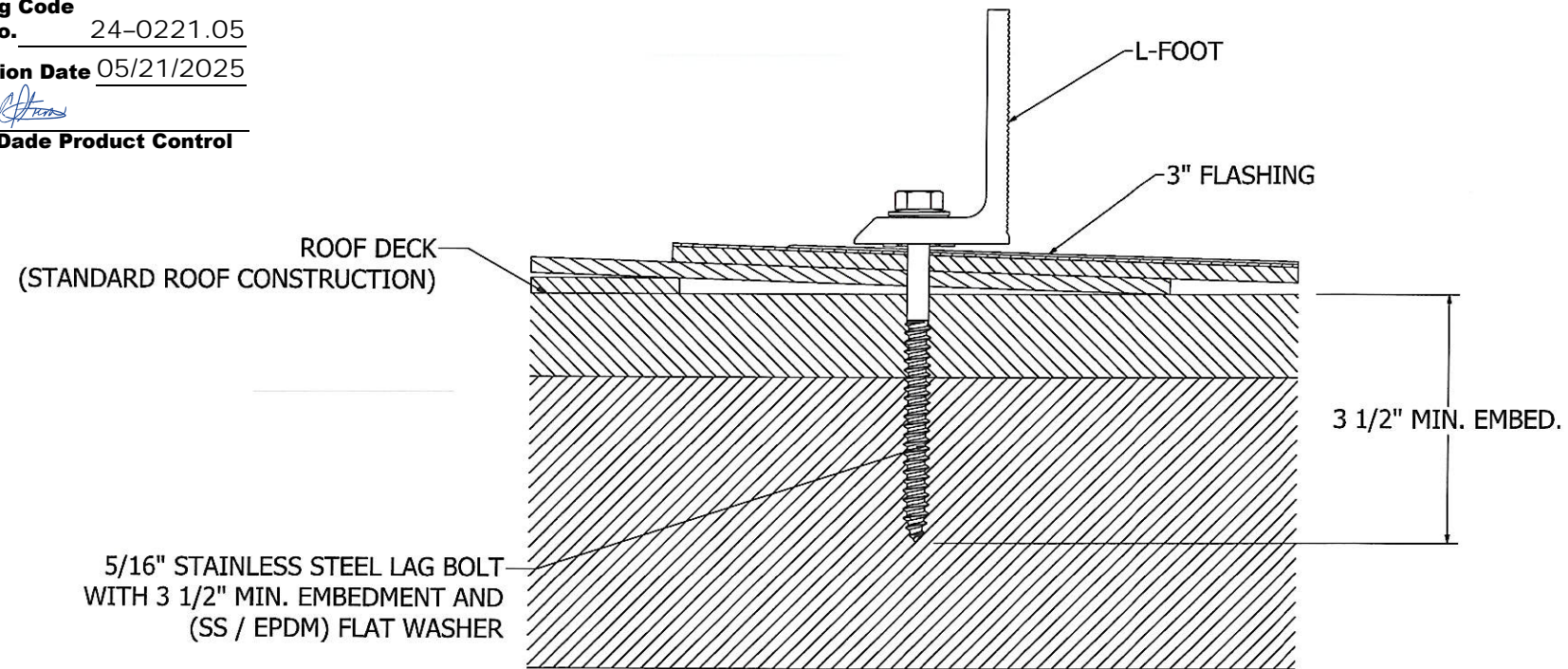
ALLOWABLE FASTENER UPLIFT = 606.8 lbs
ALLOWABLE FASTENER LATERAL = 160 lbs

MINIMUM FASTENER EDGE DISTANCE = 0.5"
MINIMUM FASTENER END DISTANCE = 2.2"

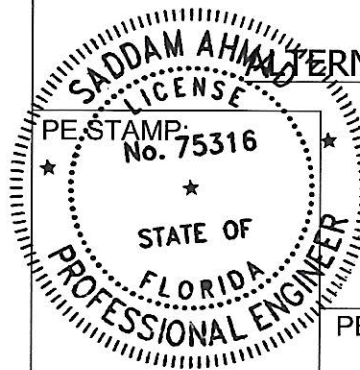


SECTION L-FOOT FLASHING DETAIL
NOT TO SCALE

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 24-0221.05
Expiration Date 05/21/2025
By *[Signature]*
Miami-Dade Product Control



SECTION B-B
NOT TO SCALE



PE SIGNATURE: *[Signature]*

PE DATE: 4/4/24

REVISIONS	CHK	SM	DESCRIPTION
REV DATE			INITIAL RELEASE
A			3/05/24

FOR
MIAMI-DADE COUNTY

PROJECT
MIAMI-DADE CO. NOA

PROJECT ADDRESS

TITLE
FLASHKIT L-FOOT, SWITCHBLADE L-FOOT ATTACHMENTS

DWG NO.
M-D NOA
SHEET 7 OF 8



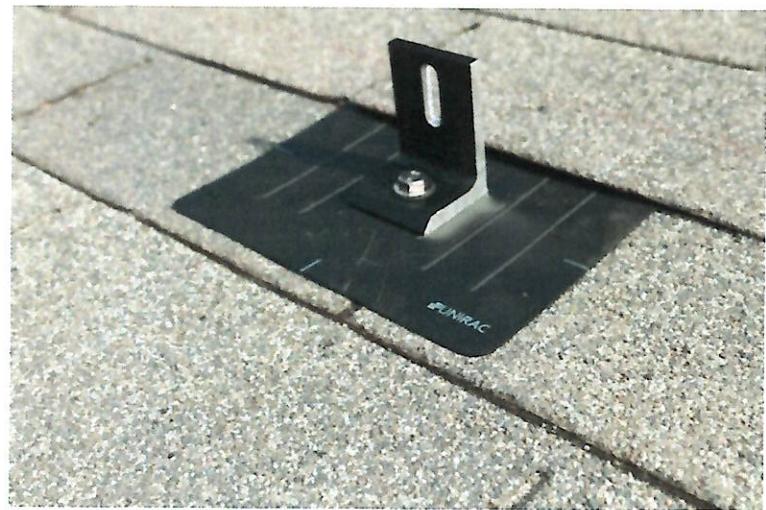
1. OVER THE RAFTER, DRILL A PILOT HOLE(S) FOR THE LAG BOLT(S).



2. INSERT THE FLASHING SO THE TOP PART IS UNDER THE NEXT ROW OF SHINGLES AND THE HOLE LINES UP WITH THE PILOT HOLE.



3. INSERT THE LAG BOLT THROUGH THE L-FOOT IN THE ORDER SHOWN IN THE IMAGE. VERIFY PROPER ORIENTATION BEFORE TIGHTENING LAG BOLTS.



4. INSERT THE LAG BOLT THROUGH THE L-FOOT IN THE ORDER SHOWN IN THE IMAGE. VERIFY PROPER ORIENTATION BEFORE TIGHTENING LAG BOLTS.



5. INSERT 3/8" T-BOLT INTO RAIL AT L-FOOT LOCATIONS. ROTATE T-BOLT INTO POSITION.



6. HAND TIGHTEN NUT UNTIL RAIL ALIGNMENT IS COMPLETE. VERIFY THAT POSITION INDICATOR ON BOLT IS VERTICAL (PERPENDICULAR TO RAIL).

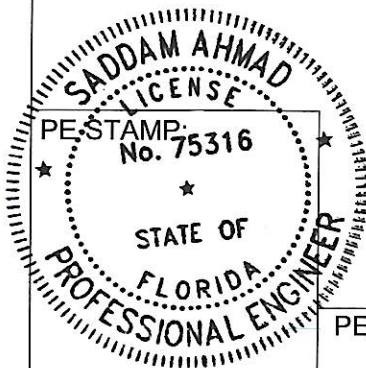


7. USE DRILL TO TIGHTEN NUT ONTO T-BOLT.



8. SEE RAIL ATTACHED TO L-FOOT.

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PE SIGNATURE: *[Signature]*

PE DATE: 4/4/24

UNIRAC
 1411 BROADWAY BOULEVARD NE
 ALBUQUERQUE, NM, USA, 87102
 WWW.UNIRAC.COM

REV DATE	REVISIONS	DESCRIPTION	CHK
A 3/05/24	INITIAL RELEASE		SM

FOR
 MIAMI-DADE
 COUNTY
 PROJECT
 MIAMI-DADE CO.
 NOA
 PROJECT ADDRESS
 TITLE
 FLASHKIT L-FOOT,
 SWITCHBLADE
 L-FOOT
 ATTACHMENTS
 DWG NO.
 M-D NOA
 SHEET 8 OF 8