



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

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](http://www.miamidade.gov/economy)

**Sunrun Installation Services, Inc. d/b/a SnapNrack**  
**775 Fiero Lane, Suite 200**  
**San Luis Obispo, CA 93401**

### 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: Adjustable Tile Hook Stainless Steel-Aluminum Solar Mount

**APPROVAL DOCUMENT:** Drawing No. **SNR-DC-00481**, titled "Adjustable Tile Hook", sheets 1 through 4 of 4, prepared by Sunrun Installation Services, Inc. d/b/a SnapNrack, dated on 01/07/2021, signed and sealed by Paul K. Zacher, P.E. on 11/06/2024, bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration 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, Chihuahua, Mexico 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 **revises NOA #21-0308.04**, consists of this page 1, evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Sifang Zhao, P.E.**



*S. Zhao*  
01/02/2025

NOA No: 24-1119.04  
Expiration Date: August 12, 2026  
Approval Date: January 02, 2025  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA#21-0308.04**

**A. DRAWINGS**

1. Drawing No. **SNR-DC-00481**, titled “Adjustable Tile Hook”, sheets 1 through 4 of 4, prepared by Sunrun Installation Services, Inc. d/b/a SnapNrack, 01/07/2021, signed and sealed by Paul K. Zacher, P.E. on 05/25/2021.

**B. TESTS**

1. Test report on Uplift and Shear Allowable Loads on the Adjustable Tile Hook per ASTM D7147-11, prepared by Intertek, Test Report No. **L5974.01-119-18 R0**, dated 12/17/2020, signed and sealed by Daniel C. Culbert, P.E.
2. Test report on Wind Driven Rain Resistance on the Adjustable Tile Hook per TAS 100(A)-95, prepared by Intertek, Test Report No. **L2795.01-109-18**, dated 09/29/2020, with revision dated 09/30/2020, signed and sealed by Daniel C. Culbert, P.E.

**C. CALCULATIONS**

1. Anchor calculations prepared by PZ Structural Engineers, dated 01/13/2021, signed and sealed by Paul K. Zacher, P.E.

**D. MATERIAL CERTIFICATIONS**

1. None.

**E. QUALITY ASSURANCE**

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

**F. STATEMENTS**

1. Statement letter of code conformance to the 7<sup>th</sup> edition (2020) of the FBC issued by PZ Structural Engineers, dated 01/13/2021, signed and sealed by Paul K. Zacher, P.E.
2. Statement letter of no financial interest issued by PZ Structural Engineers, dated 01/13/2021, signed and sealed by Paul K. Zacher, P.E.
3. Distributor agreement dated 02/16/2021.



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**Sifang Zhao, P.E.**  
**Product Control Examiner**  
**NOA No: 24-1119.04**  
**Expiration Date: August 12, 2026**  
**Approval Date: January 02, 2025**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **SNR-DC-00481**, titled “Adjustable Tile Hook”, sheets 1 through 4 of 4, prepared by Sunrun Installation Services, Inc. d/b/a SnapNrack, 01/07/2021, signed and sealed by Paul K. Zacher, P.E. on 11/06/2024.

**B. TESTS**

1. None.

**C. CALCULATIONS**

1. Anchor calculations prepared by PZ Structural Engineers, dated 11/06/2024, signed and sealed by Paul K. Zacher, P.E.

**D. MATERIAL CERTIFICATIONS**

1. None.

**E. QUALITY ASSURANCE**

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

**F. STATEMENTS**

1. Statement letter of code conformance to the 8<sup>th</sup> edition (2023) of the FBC issued by PZ Structural Engineers, dated 11/06/2024, signed and sealed by Paul K. Zacher, P.E.
2. Statement letter of no financial interest issued by PZ Structural Engineers, dated 11/06/2024, signed and sealed by Paul K. Zacher, P.E.

**G. OTHERS**

1. This NOA revises Notice of Acceptance No. **21-0308.04**, issued to **Sunrun Installation Services, Inc. d/b/a SnapNrack** for their **Adjustable Tile Hook Stainless Steel-Aluminum Solar Mount**, approved on 08/12/2021, expiring on 08/12/2026, for **FBC 8<sup>th</sup> Edition (2023)** update.



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**Sifang Zhao, P.E.**  
**Product Control Examiner**  
**NOA No: 24-1119.04**  
**Expiration Date: August 12, 2026**  
**Approval Date: January 02, 2025**

1. Base plate with slotted holes  
2. Adjustable arm  
3. Carriage bolt  
4. Flange nut  
5. Mounting bracket  
6. Spring  
7. Mounting bracket  
8. Spring cage  
9. Spring

SLOTTED HOLES  
0.827 IN X 0.335 IN  
@ 1.06 IN ON CENTER

Dimensions (inches):

- 1.5 [37.4]
- .7 [18.6]
- 1.3 [31.8]
- 1.5 [38.1]
- 1.5 [38.0]
- 1.26 [32.00]
- 7.55 [191.69]
- 1.14 [29.07]
- 7.56 [192.00]
- 7.15 [181.63]
- .24 [6.00]
- 1.14 [29.07]
- .16 [4.0]
- 1.34 [34.0]
- 2.317 [58.84]
- 7.35 [186.69]

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY PAUL K. ZACHER, PE ON DATE USING A SHA-1 AUTHENTICATION CODE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA-1 AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

PARTS LIST						
ITEM	QTY	DESCRIPTION	MASS (LBM)	MATERIAL	MINIMUM YIELD (KSI)	MINIMUM ULTIMATE (KSI)
4	1	NUT, FLANGE, SERRATED, 5-16IN-18, SS	0.015	STAINLESS STEEL	N/A	N/A
1	1	SNAPNRACK, ULTRA RAIL, TILE HOOK BASE, ADJUSTABLE	0.903	304 STAINLESS STEEL	31	73
2	1	SNAPNRACK, ULTRA RAIL, TILE HOOK ARM, ADJUSTABLE	0.911	304 STAINLESS STEEL	31	73
3	1	BOLT, CARRIAGE, 5-16IN-18 X 3-4IN, SS	0.027	STAINLESS STEEL	31	73
5	1	SNAPNRACK, ULTRA RAIL MOUNT THRU PRC, CLEAR	0.066	ALUMINUM 6005-T5	34.8	37.7
6	1	5-16IN-18 X 2-1-4IN SS HCS BOLT	0.058	STAINLESS STEEL	55	95
7	1	SNAPNRACK, ULTRA RAIL MOUNT TAPPED PRC, CLEAR	0.057	ALUMINUM 6005-T5	34.8	37.7
8	1	SNAPNRACK, ULTRA RAIL MOUNT SPRING, SS	0.002	STAINLESS STEEL	N/A	N/A
9	1	SNAPNRACK, ULTRA RAIL MOUNT SPRING CAGE	0.008	ALUMINUM 6061-T6	N/A	N/A

REVISION:

A	1/7/2021	NEW ITEM	BDP

**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. 24-1119.04  
Expiration Date 08/12/2026  
By Miami-Dade Product Control

PE SIGNATURE:

PE DATE: 11-06-2024

DESCRIPTION: ASSEMBLY, ADJUSTABLE TILE HOOK

DRAWING NUMBER: SNR-DC-00481

REV: A

SUNRUN INSTALLATION SERVICES INC. DBA SNAPNRACK

775 FIERO LANE, SUITE 200  
SAN LUIS OBISPO, CA 93401  
CONTACT@SNAPNRACK.COM

UNITS: IN, LB, DEG  
[MM, KG, DEG]

DATE: 1/7/2021

SHEET SIZE: 11 IN X 17 IN

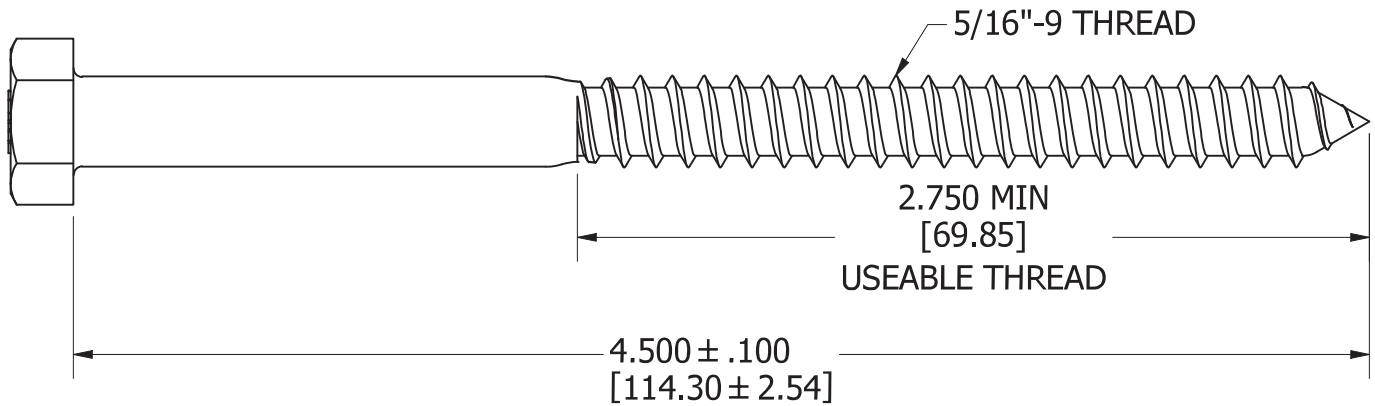
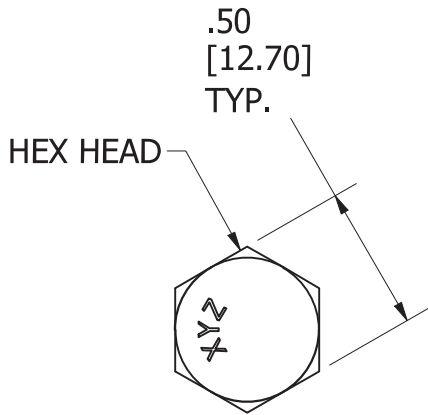
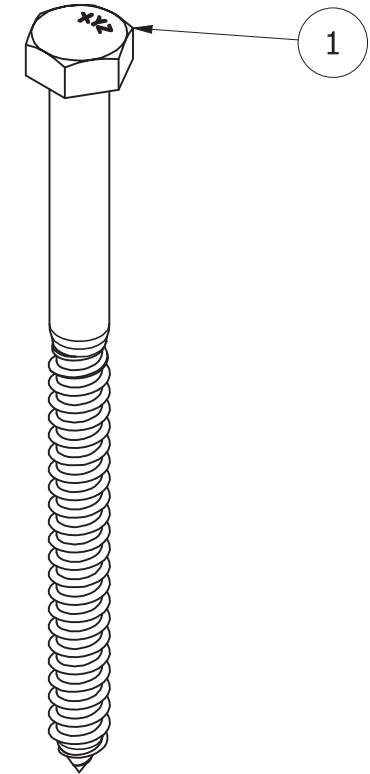
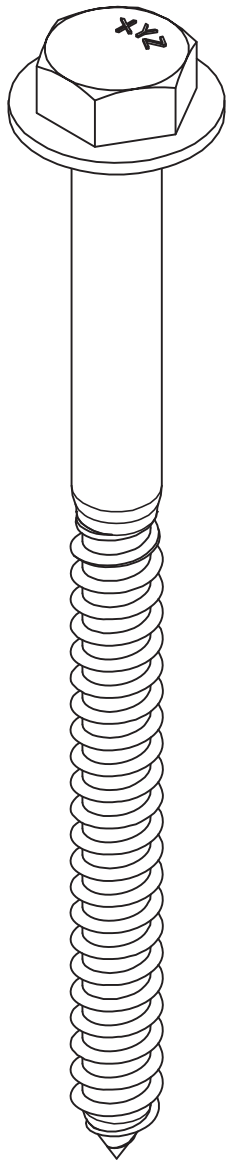
SCALE: NTS


SHEET NUMBER: 1 OF 4

LAG MATERIAL: 18-8 STAINLESS STEEL, MIN YIELD 55 KSI, MIN  
ULTIMATE 95 KSI

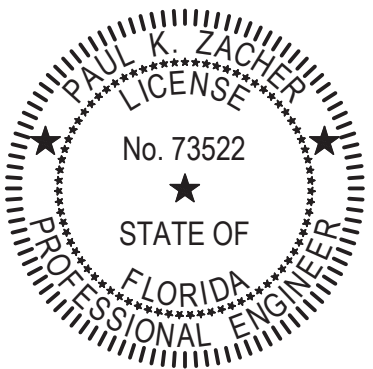
WASHER MATERIAL: STAINLESS STEEL AND EPDM

REVISION:		
A	1/7/2021	NEW ITEM BDP



**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 24-1119.04  
Expiration Date 08/12/2026  
By   
Miami-Dade Product Control

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PE SIGNATURE:

PE DATE:

11-06-2024

DESCRIPTION:

SNAPNRACK, LAG, 4-1-2IN, SS

DRAWING NUMBER:

SNR-DC-00481

REV:

A

SUNRUN INSTALLATION SERVICES INC.  
DBA SNAPNRACK

775 FIERO LANE, SUITE 200  
SAN LUIS OBISPO, CA 93401  
CONTACT@SNAPNRACK.COM

UNITS:  
IN, LB, DEG  
[MM, KG, DEG]

DATE:  
1/7/2021

SHEET SIZE:  
11 IN X 17 IN

SCALE:  
NTS

SHEET NUMBER:  
2 OF 4

PARTS LIST		
ITEM	QTY	DESCRIPTION
1	1	SNAPNRACK, SCREW, LAG, 5/16IN X 4-1/2IN, SS
2	1	5-16IN X 3-4IN SS FLAT WASHER



SNAPNRACK ADJUSTABLE TILE HOOK FOR USE WITH SNAPNRACK ULTRA RAIL  
TILE ROOF MOUNT ASSEMBLY MAY BE USED FOR S, W, AND FLAT TILE PROFILE ROOFS  
REFER TO SNAPNRACK ENGINEERING CHARTS FOR APPLICABLE RAIL SPANS. "BIN"  
NUMBER ON CHART SHOULD MATCH "BIN" NUMBER ON THIS DRAWING

PILOT HOLE  $\frac{3}{16}$ "Ø

$\frac{5}{16}$ "Ø S.S. LAG SCREWS MUST EMBED A MIN. OF  $2\frac{1}{2}$ " INTO STRUCTURAL MEMBER

REFER TO SNAPNRACK INSTALLATION MANUAL FOR  $\frac{5}{16}$ "Ø HARDWARE TORQUE

SPECIFICATIONS UNLESS STATED OTHERWISE

RAIL MAY BE MOUNTED TO THE UPSLOPE OR DOWNSLOPE SIDE OF THE TILE HOOK

RAILS CAN BE LEVELED UP TO  $1\frac{1}{4}$ " USING THE SLOT IN THE TILE HOOK

TILE HOOK ARM CAN BE LEVELED  $\frac{7}{16}$ " RELATIVE TO THE BASE

STRUCTURAL MEMBER SPECIFICATIONS:

MINIMUM WOOD GRADE = SPF #2

MINIMUM SPECIFIC GRAVITY = 0.42

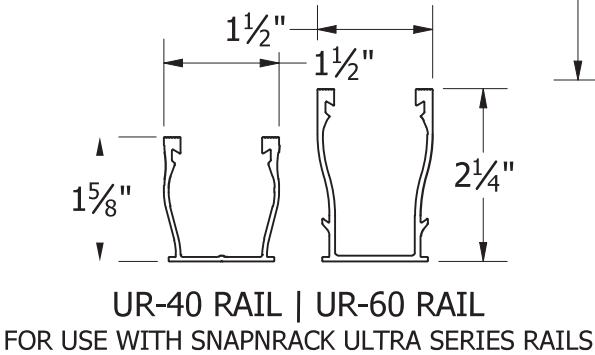
ALLOWABLE FASTENER UPLIFT = 412.3 LBS

ALLOWABLE FASTENER LATERAL = 250 LBS

MINIMUM FASTENER EDGE DISTANCE = 0.5"

MINIMUM FASTENER END DISTANCE = 2.2"

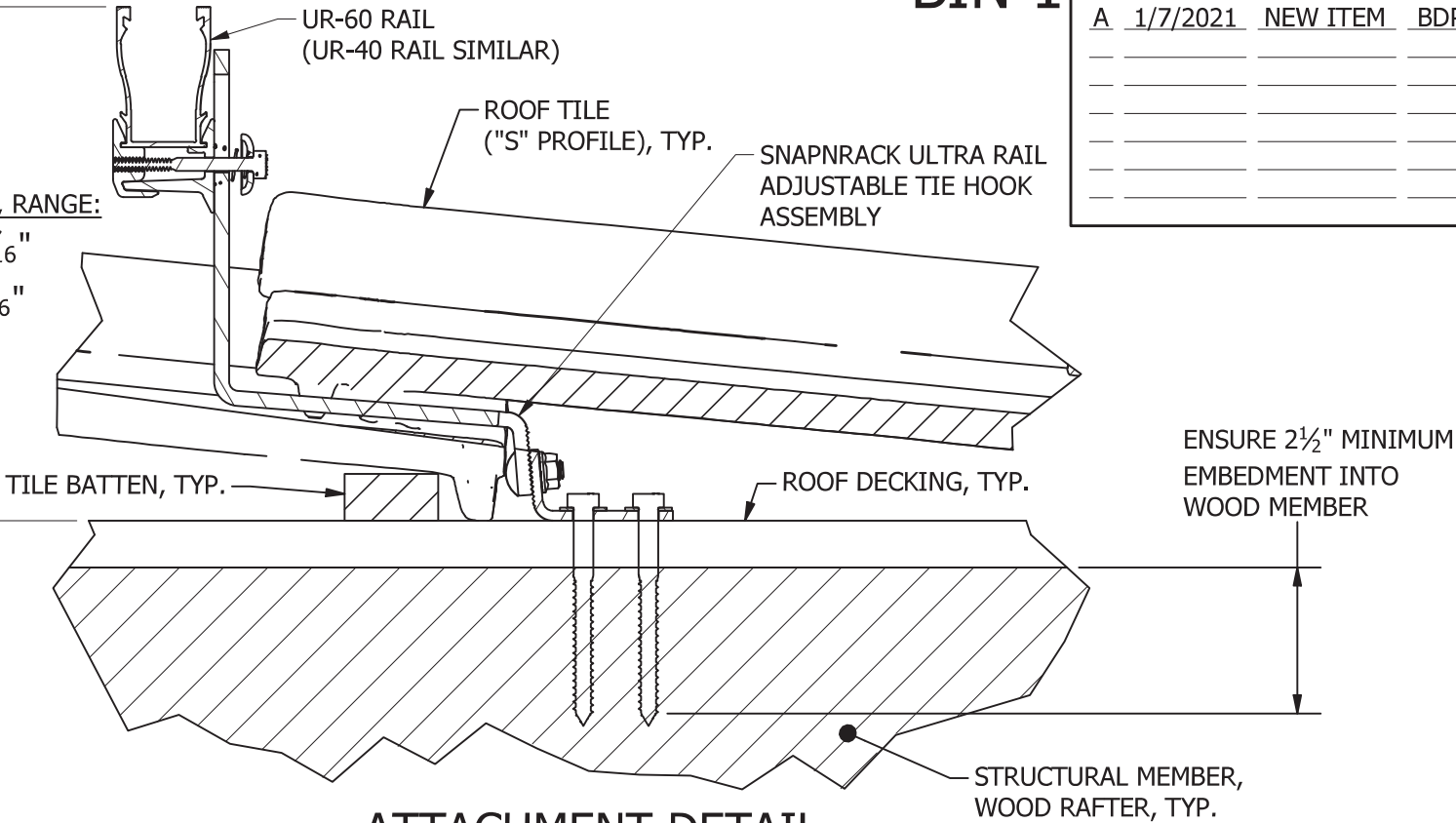
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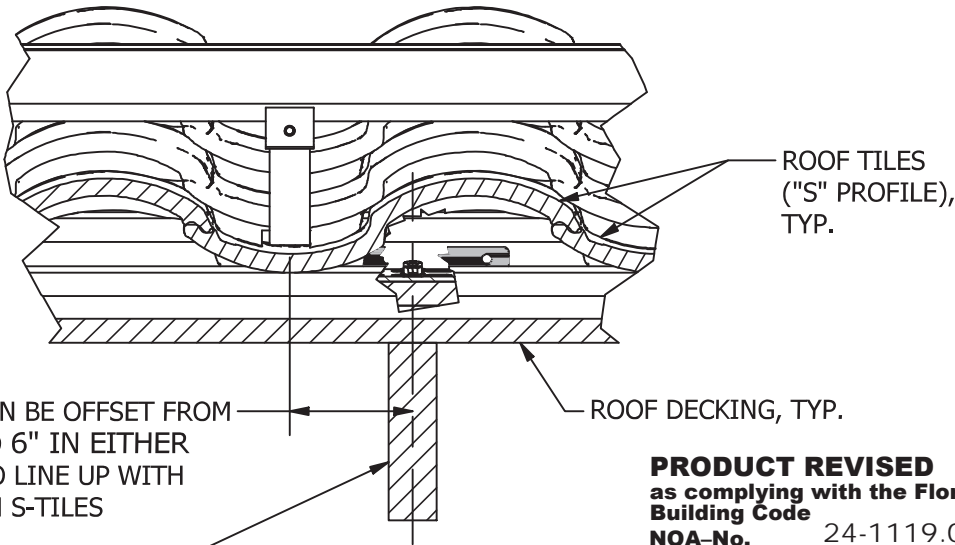
MODULE HEIGHT OFF ROOF, RANGE:

UR-40:  $7\frac{1}{4}$ " -  $8\frac{15}{16}$ "

UR-60:  $7\frac{7}{8}$ " -  $9\frac{9}{16}$ "



ATTACHMENT DETAIL



OFFSET DETAIL

INSTALLED ASSEMBLY

PE SIGNATURE:

PE DATE:

DESCRIPTION:

DRAWING NUMBER:

REV:

SUNRUN INSTALLATION SERVICES INC.  
DBA SNAPNRACK

775 FIERO LANE, SUITE 200  
SAN LUIS OBISPO, CA 93401  
CONTACT@SNAPNRACK.COM

UNITS:  
IN, LB, DEG  
[MM, KG, DEG]

DATE:  
1/7/2021

SHEET SIZE:  
11 IN X 17 IN

SCALE:  
NTS

SHEET NUMBER:  
3 OF 4

A

BIN 1

REVISION:

A 1/7/2021 NEW ITEM BDP

PRODUCT REVISED  
as complying with the Florida  
Building Code  
NOA-No. 24-1119.04

Expiration Date 08/12/2026

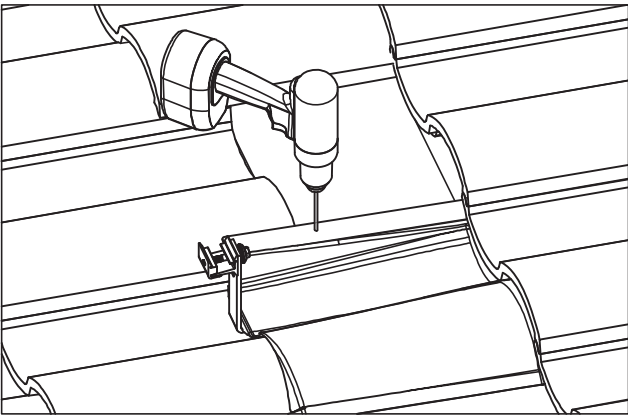
By  
Miami-Dade Product Control

REQUIRED TOOLS:

- HAMMER OR STUD FINDER
- TORQUE WRENCH
- ROOF MARKING CRAYON
- SOCKET WRENCH
- DRILL WITH 3/16" PILOT DRILL BIT
- 1/2" SOCKET
- ROOF SEALANT
- FLAT PRY BAR

STEP 1:

USING ROOF ATTACHMENT LOCATIONS DRAWN DURING SYSTEM LAYOUT, REMOVE ROOF TILE WHERE ROOF ATTACHMENT WILL BE INSTALLED.

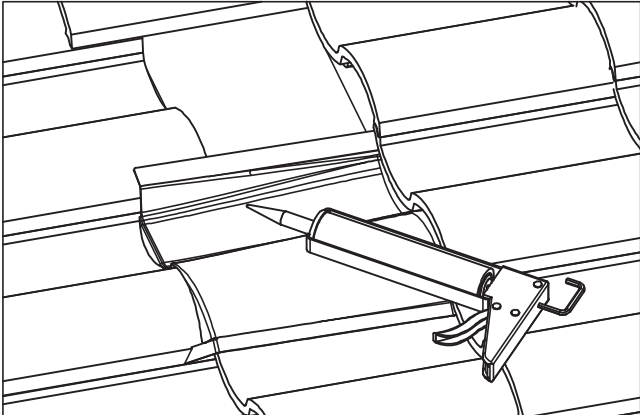


STEP 2:

ALIGN THE BASE OVER THE RAFTER SO THE HOOK CAN ENTER AT THE VALLEY OF A TILE. DEPENDING ON RAFTER LOCATION, THE HOOK MAY NEED TO BE RELOCATED TO ONE END OF THE BASE. REMOVE NUT, RELOCATE THE HOOK, AND BOLT TO AN END POSITION, THREAD THE NUT BACK ON THE BOLT.

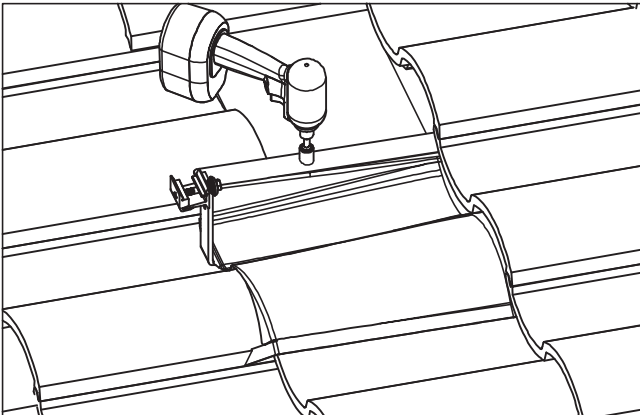
STEP 3:

DRILL TWO PILOT HOLES THROUGH THE ROOFING MATERIAL INTO THE ROOF FRAMING MEMBER.



STEP 4:

APPLY ROOFING SEALANT TO PILOT HOLES AND THE TILE HOOK BASE.

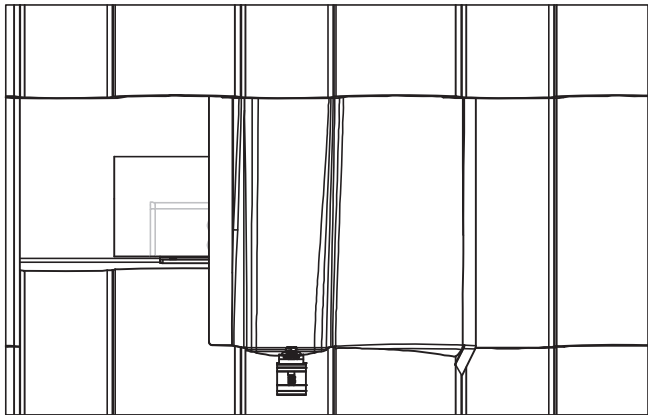


STEP 5:

ATTACH THE BASE WITH (2) 5/16" LAG SCREWS, DRIVE LAG SCREWS FOR MINIMUM 2.5" EMBEDMENT INTO THE ROOF FRAMING MEMBER.

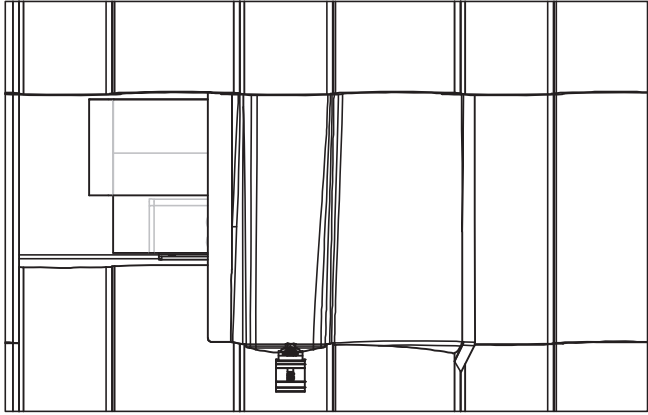
REVISION:

A	1/7/2021	NEW ITEM	BDP



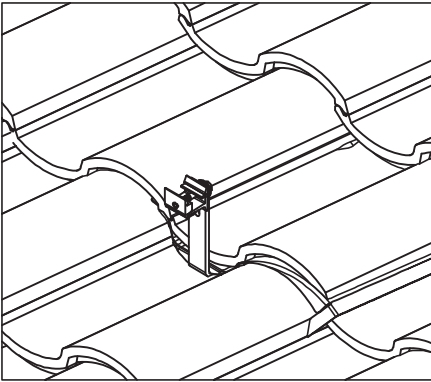
STEP 6:

PEEL OFF THE BACKING FROM A 5"X13" STRIP OF FLEXIBLE FLASHING. APPLY THE STRIP CENTERED LATERALLY OVER THE BASE AND ABUTTED TO THE TILE HOOK ARM. PRESS AND ROLL OUT ANY CREASES OR AIR BUBBLES WITH A ROLLER TO MAXIMIZE CONATCT OF THE FLASHING ADHESIVE TO 100% OF THE SURFACE AND BASE. CUTTING OR MODIFICATION OF THE FLEXIBLE FLASHING IS PROHIBITED.



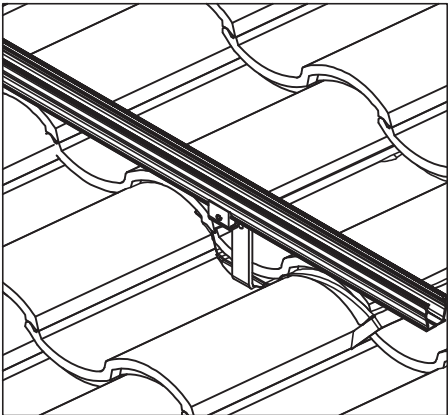
STEP 7:

PEEL OFF THE BACKING AND APPLY THE 4"X17" STRIP OF FLEXIBLE FLASHING ALONG THE TOP EDGE OF THE FIRST STRIP WITH A 2" LAP ON EITHER EDGE, THEN ROLL OUT ANY CREASES BETWEEN THE STRIP AND THE DECK LEVEL SURFACE. CUTTING OR MODIFICATION OF THE FLEXIBLE FLASHING IS PROHIBITED.



STEP 8:

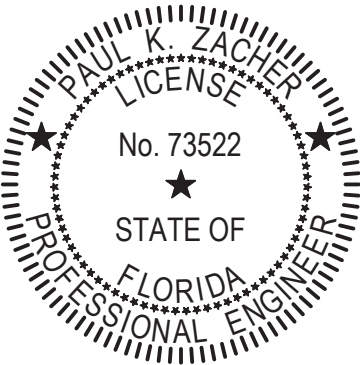
REPLACE TILE. AS PER TILE MANUFACTURER CURRENT NOA.




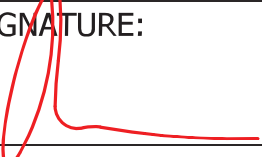
STEP 9:

INSTALL SNAPNRACK ULTRA RAIL DIRECTLY TO THE ULTRA RAIL MOUNTING HARDWARE. LEVEL THE RAILS AND TIGHTEN TO 12 FT LBS.

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Expiration Date 08/12/2026  
By   
Miami-Dade Product Control

PE SIGNATURE: 		PE DATE: 11-06-2024	DESCRIPTION: INSTALLATION PROCEDURE, ADJUSTABLE TILE HOOK			DRAWING NUMBER: SNR-DC-00481		REV: A
SUNRUN INSTALLATION SERVICES INC. DBA SNAPNRACK		775 FIERO LANE, SUITE 200 SAN LUIS OBISPO, CA 93401 CONTACT@SNAPNRACK.COM	UNITS: IN, LB, DEG [MM, KG, DEG]	DATE: 1/7/2021	SHEET SIZE: 11 IN X 17 IN	SCALE: NTS	SHEET NUMBER: 4 OF 4	