



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

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: SpeedSeal Foot and SpeedSeal Track Aluminum Solar Mounts

APPROVAL DOCUMENT: Drawing No. **SNR-DC-00480**, titled "UR SpeedSeal Foot, UR Universal Mount and RL Universal SpeedSeal Track", sheets 1 through 7 of 7, prepared by Sunrun Installation Services, Inc. d/b/a SnapNrack, dated on 03/25/2021, signed and sealed by Paul K. Zacher, P.E., bearing the Miami-Dade County Product Control approval 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 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.**



NOA No: 20-1104.01
Expiration Date: April 22, 2026
Approval Date: April 22, 2021
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **SNR-DC-00480**, titled “UR SpeedSeal Foot, UR Universal Mount and RL Universal SpeedSeal Track”, sheets 1 through 7 of 7, prepared by Sunrun Installation Services, Inc. d/b/a SnapNrack, dated on 03/25/2021, signed and sealed by Paul K. Zacher, P.E.

B. TESTS

1. Test report on Uplift and Shear Allowable Loads of the Ultra Rail SpeedSeal Foot per ASTM D7147-11, prepared by Intertek, Test Report No. **L0974.02-119-19 R0**, dated 09/15/2020, signed and sealed by Daniel C. Culbert, P.E.
2. Test report on Uplift and Shear Allowable Loads of the RL Universal SpeedSeal Track per ASTM D7147-11, prepared by Intertek, Test Report No. **L0971.02-119-19 R0**, dated 09/15/2020, signed and sealed by Daniel C. Culbert, P.E.
3. Test report on Wind Driven Rain Resistance of the Ultra Rail SpeedSeal Foot per TAS 100(A)-95, prepared by Intertek, Test Report No. **L0974.01-109-18**, dated 08/19/2020, signed and sealed by Daniel C. Culbert, P.E.
4. Test report on Wind Driven Rain Resistance of the RL Universal SpeedSeal Track per TAS 100(A)-95, prepared by Intertek, Test Report No. **L0971.01-109-18**, dated 08/19/2020, signed and sealed by Daniel C. Culbert, P.E.

C. CALCULATIONS

1. Anchor calculations prepared by PZ Structural Engineers, dated 12/30/2020, 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).

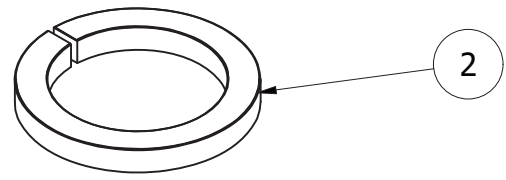
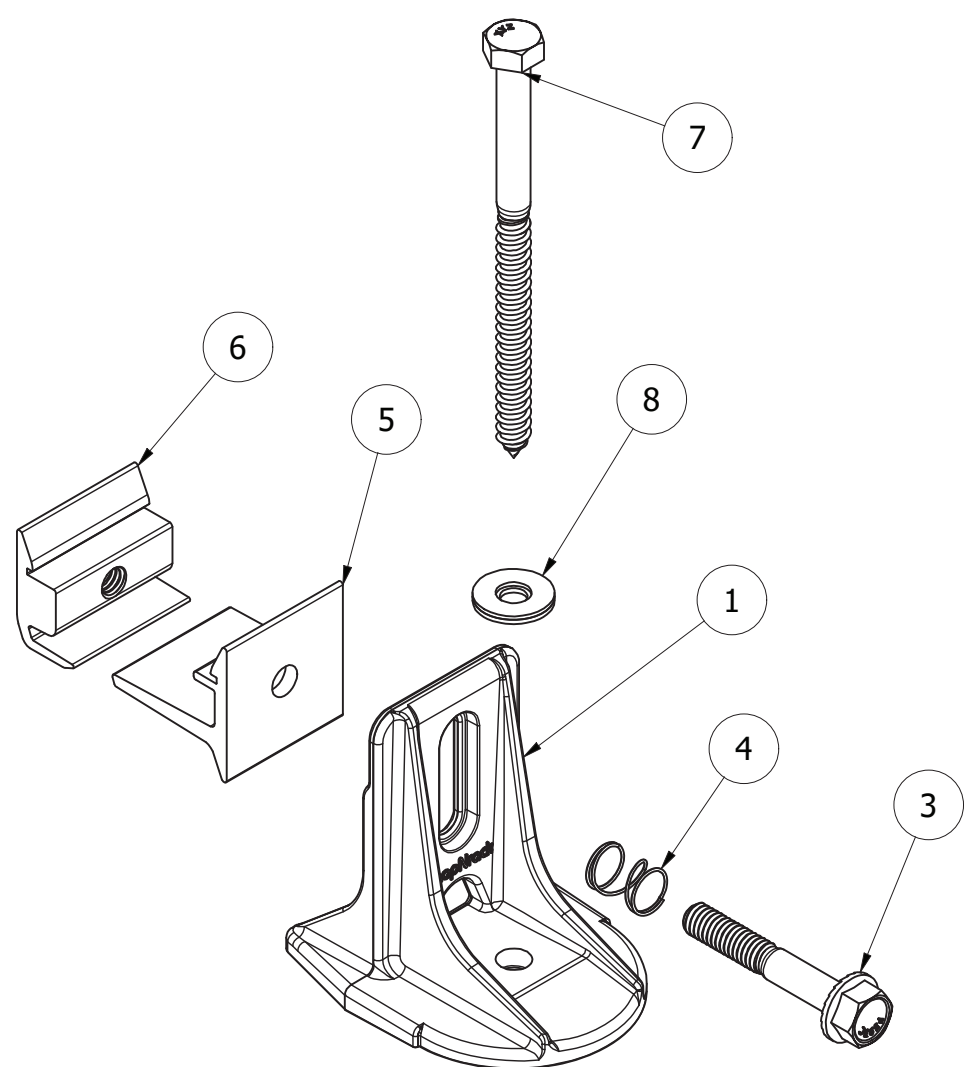
F. STATEMENTS

1. Statement letter of code conformance to the 7th edition (2020) of the FBC issued by PZ Structural Engineers, dated 12/30/2020, signed and sealed by Paul K. Zacher, P.E.
2. Statement letter of no financial interest issued by PZ Structural Engineers, dated 10/16/2020, signed and sealed by Paul K. Zacher, P.E.
3. Distributor agreement dated 02/16/2021.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No: 20-1104.01
Expiration Date: April 22, 2026
Approval Date: April 22, 2021

REVISION:	A	12/28/2020	NEW ITEM	BDP



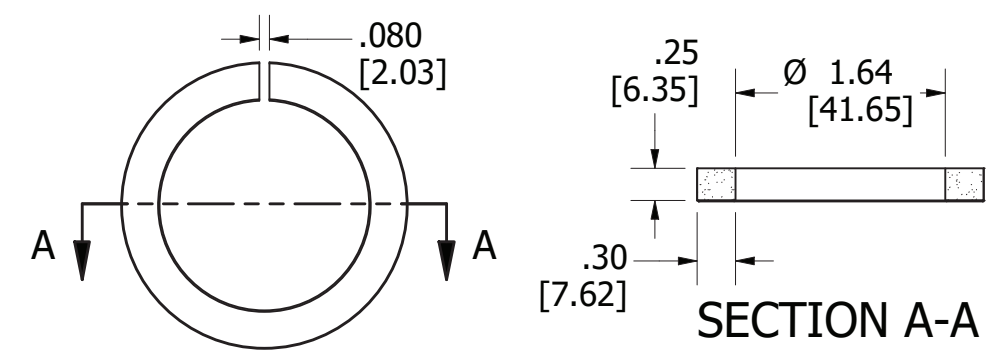
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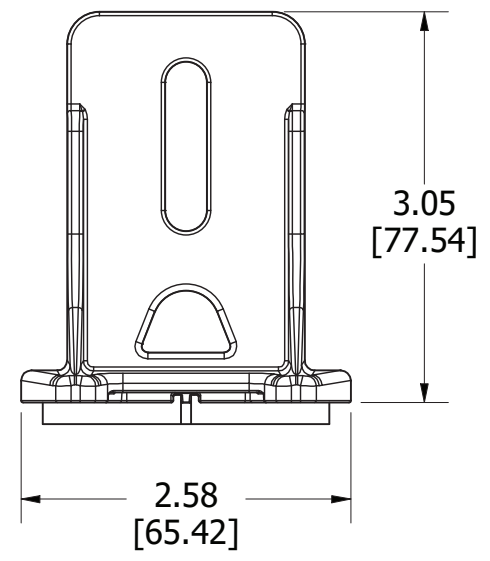
COMPLETE ASSEMBLY



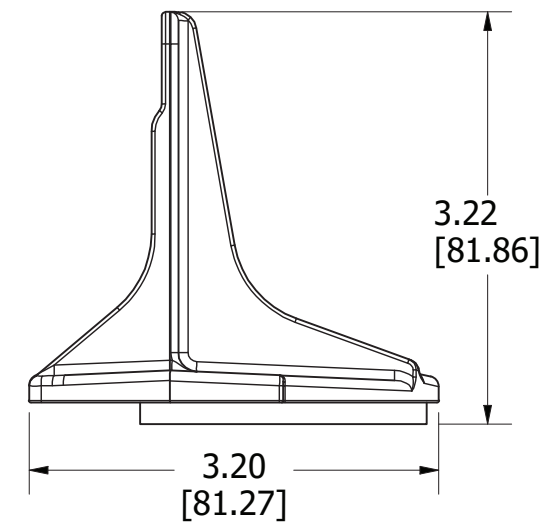
BASE AND DAM ASSEMBLY



DAM DIMENSIONS

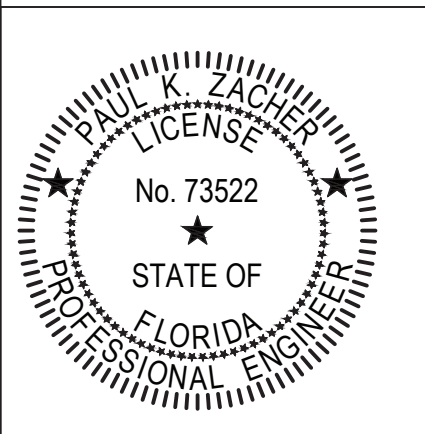


BASE WITH DAM DIMENSIONS



PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 20-1104.01
Approval Date 04/22/2021
By *[Signature]*
Miami-Dade Product Control

PARTS LIST						
ITEM	QTY	DESCRIPTION	MASS (LBM)	MATERIAL	MINIMUM YIELD (KSI)	MINIMUM ULTIMATE (KSI)
1	1	SNAPRACK, SPEEDSEAL FOOT, BASE, SILVER	0.249	HIGH PRESS. DIE CAST A380 AL	22	47
2	1	SNAPRACK, SPEEDSEAL DAM, TYPE 2, FOAM	0.017	CLOSED CELL FOAM 1231 BU BL ELASTOMERIC BLEND	N/A	N/A
3	1	BOLT, FLANGE, SERRATED, 5-16IN-18 X 2IN, SS	0.062	STAINLESS STEEL	55	95
4	1	SNAPRACK, RL UNIVERSAL, MOUNT SPRING, SS	0.001	STAINLESS STEEL	N/A	NA/
5	1	SNAPRACK, ULTRA RAIL MOUNT THRU PRC, CLEAR	0.066	ALUMINUM 6005-T5	34.8	37.7
6	1	SNAPRACK, ULTRA RAIL MOUNT TAPPED PRC, CLEAR	0.057	ALUMINUM 6005-T5	34.8	37.7
7	1	SNAPRACK, SCREW, LAG, 5/16IN X 4-1/2IN, SS	0.092	STAINLESS STEEL	55	95
8	1	SNAPRACK, WASHER, 5/16IN, EPDM	0.010	STAINLESS STEEL AND EPDM	N/A	N/A

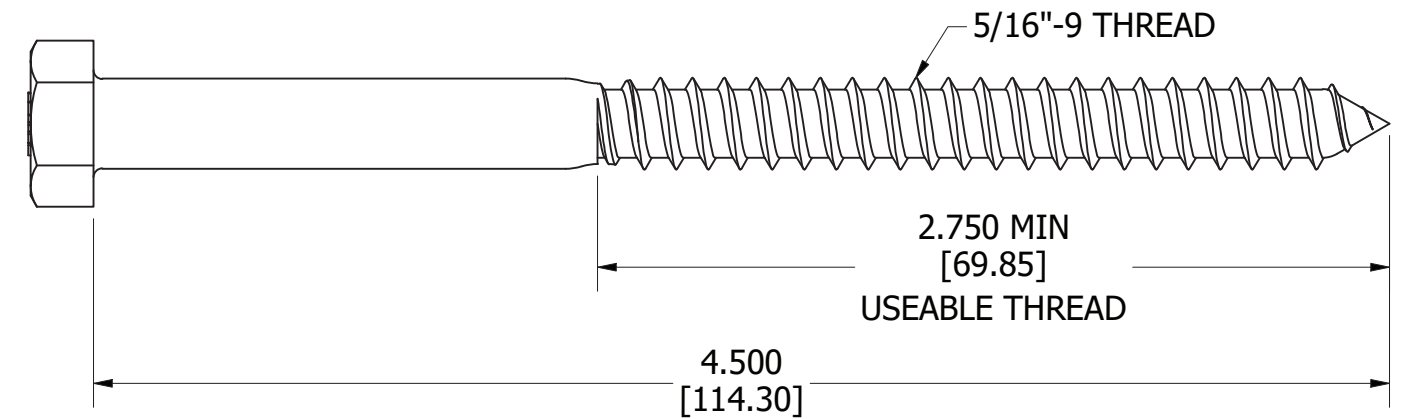
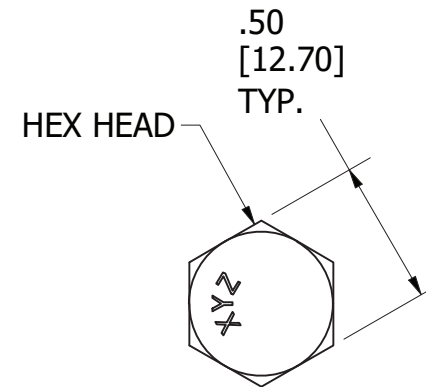
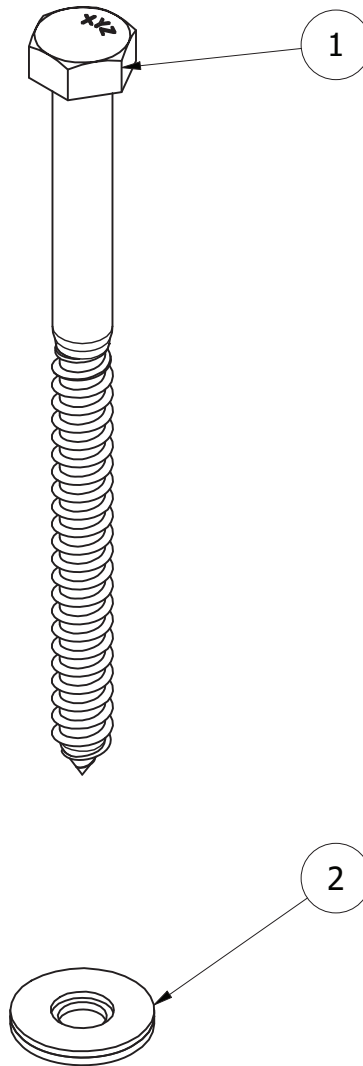
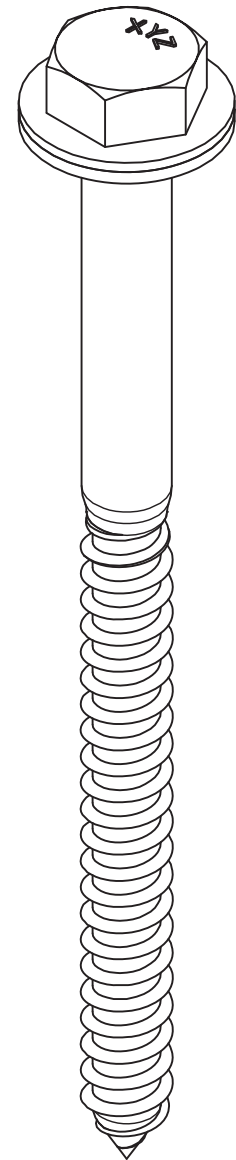


PE SIGNATURE: <i>[Signature]</i>	PE DATE: 3-25-2021	DESCRIPTION: ASSEMBLY, UR SPEEDSEAL FOOT	DRAWING NUMBER: SNR-DC-00480	REV: A
SUNRUN INSTALLATION SERVICES INC. DBA SNAPRACK	775 FIERO LANE, SUITE 200 SAN LUIS OBISPO, CA 93401 CONTACT@SNAPRACK.COM	UNITS: IN, LB, DEG [MM, KG, DEG]	DATE: 12/28/2020	SHEET SIZE: 11 IN X 17 IN
		SCALE: NTS	SHEET NUMBER: 1 OF 7	

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

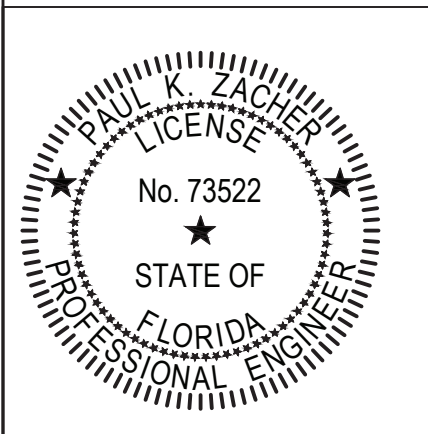
WASHER MATERIAL: STAINLESS STEEL AND EPDM

REVISION:		
A	12/28/2020	NEW ITEM BDP



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 By *[Signature]*
 Miami-Dade Product Control

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



PE SIGNATURE: <i>[Signature]</i>	PE DATE: 3-25-2021	DESCRIPTION: SNAPNRACK, SEALING WASHER LAG, 4-1-2IN, SS	DRAWING NUMBER: SNR-DC-00480	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: 12/28/2020	SHEET SIZE: 11 IN X 17 IN	SCALE: NTS	SHEET NUMBER: 2 OF 7

SNAPNRACK UR SPEEDSEAL FOOT FOR COMPOSTION ROOF MOUNTING

REFER TO SNAPNRACK ENGINEERING CHARTS FOR APPLICABLE RAIL SPANS.

PILOT HOLE $\frac{3}{16}$ " \varnothing

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

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

STRUCTURAL MEMBER SPECIFICATIONS:
 MINIMUM WOOD GRADE = SPF #2
 MINIMUM SPECIFIC GRAVITY = 0.42

ALLOWABLE FASTENER UPLIFT = 728.6 LBS
 ALLOWABLE FASTENER LATERAL = 250 LBS

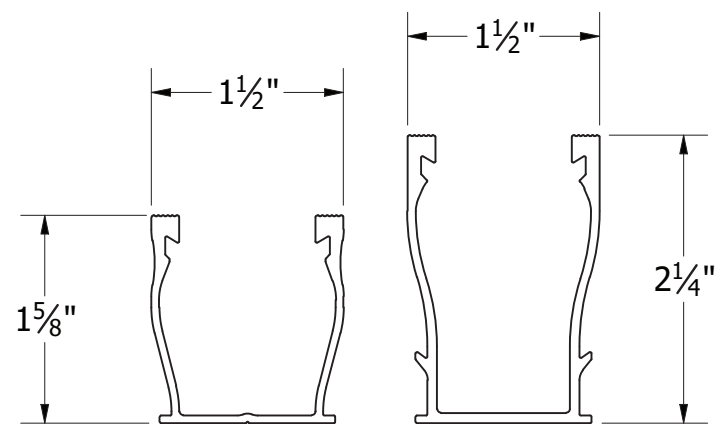
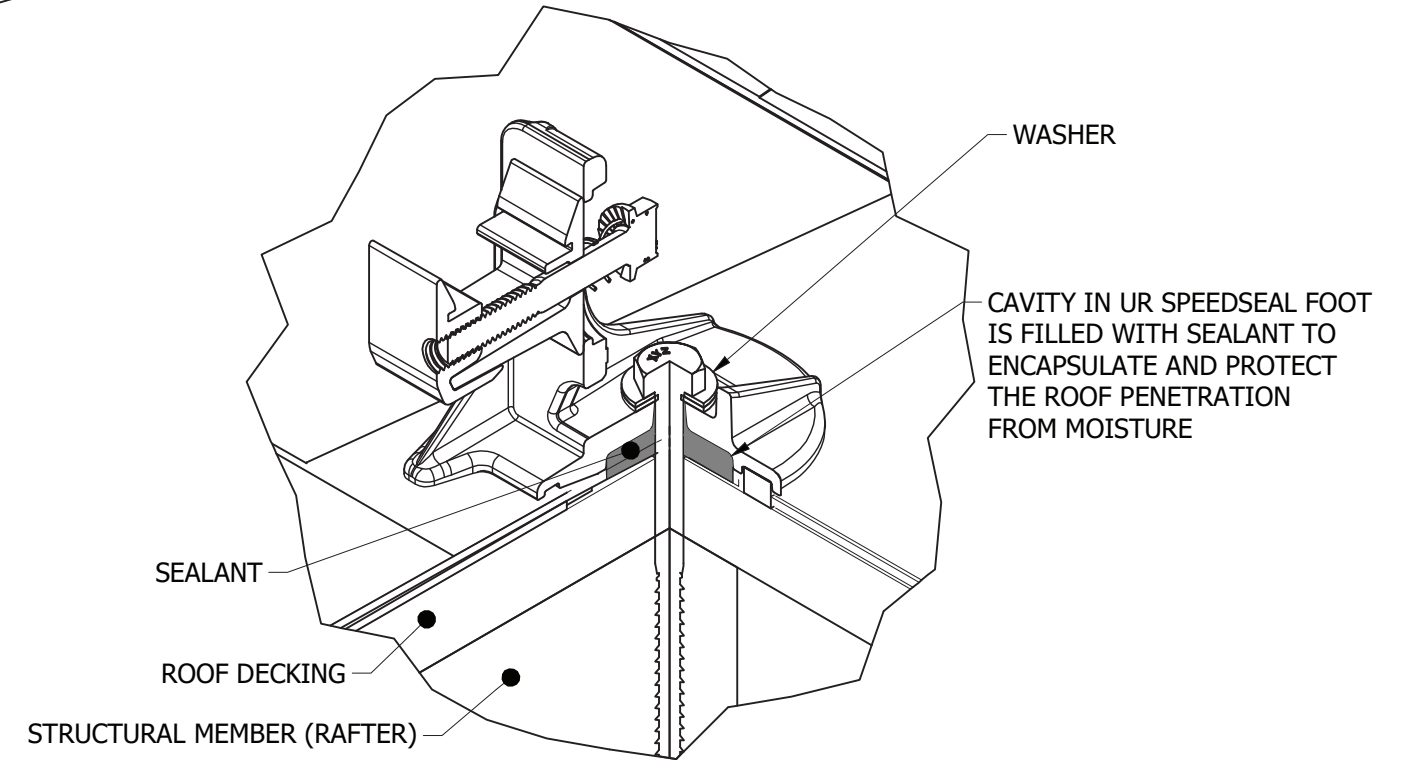
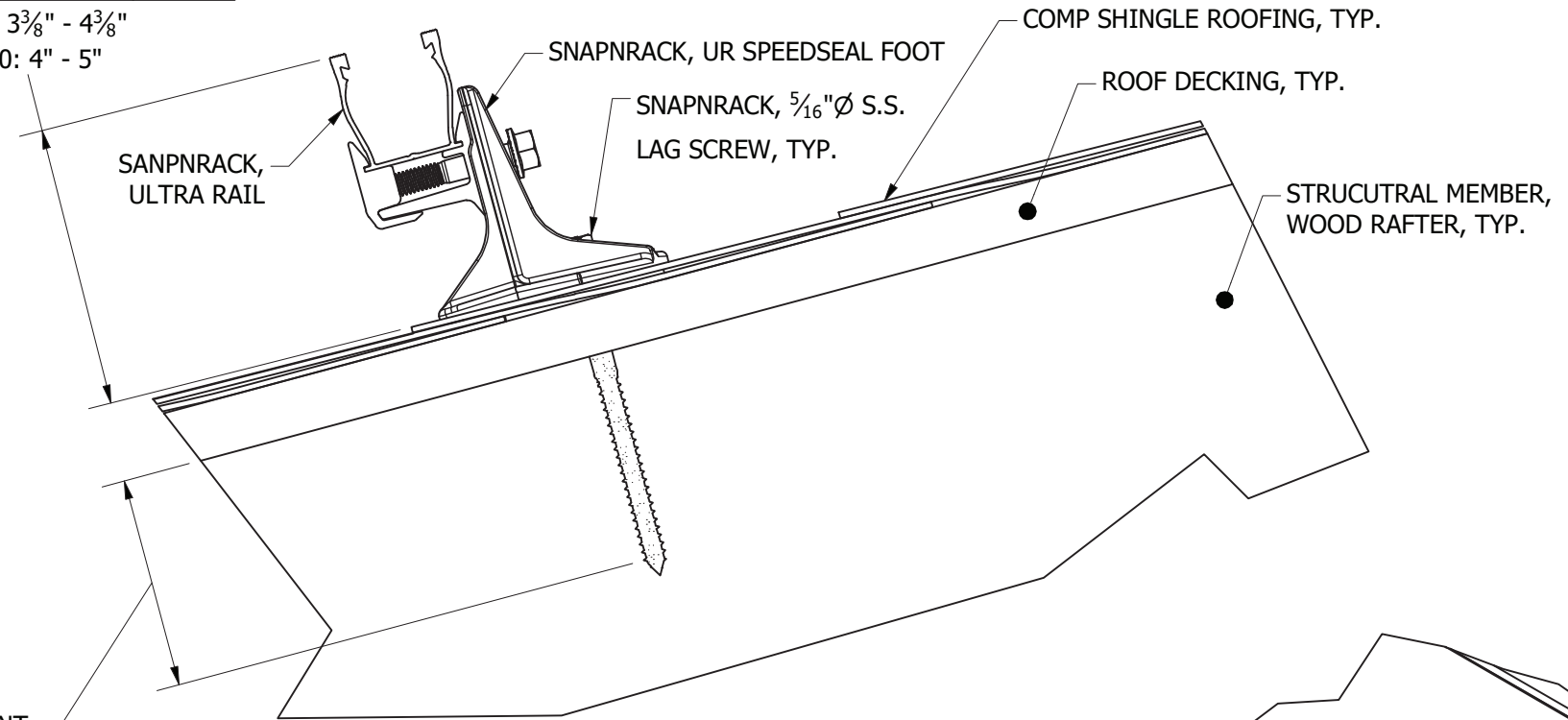
MINIMUM FASTENER EDGE DISTANCE = 0.5"
 MINIMUM FASTENER END DISTANCE = 2.2"

MODULE HEIGHT OFF ROOF, RANGE:

UR-40: 3 $\frac{3}{8}$ " - 4 $\frac{3}{8}$ "
 UR-60: 4" - 5"

2 $\frac{1}{2}$ " MIN. EMBEDMENT INTO WOOD MEMBER

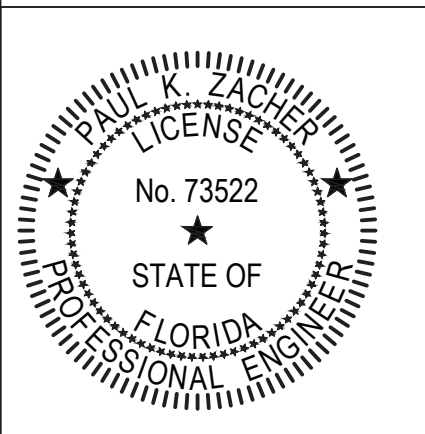
PENETRATION DETAIL



UR-40 RAIL | UR-60 RAIL
 FOR USE WITH SNAPNRACK ULTRA SERIES RAILS

REVISION:	NEW ITEM	BDP
A 12/28/2020		

PRODUCT APPROVED
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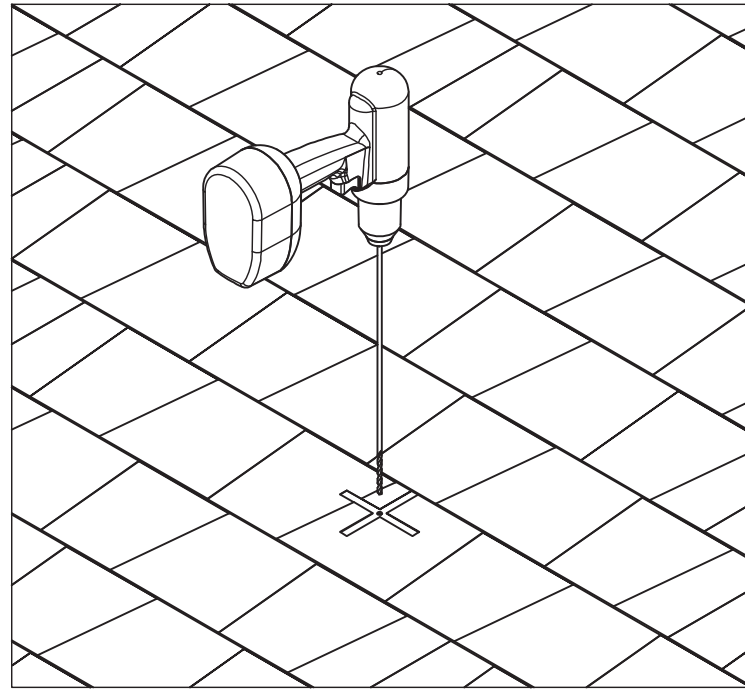


PE SIGNATURE: <i>[Signature]</i>	PE DATE: 3-25-2021	DESCRIPTION: ATTACHMENT DETAIL, UR SPEEDSEAL FOOT	DRAWING NUMBER: SNR-DC-00480	REV: A
SUNRUN INSTALLATION SERVICES INC. DBA SNAPNRACK	775 FIERO LANE, SUITE 200 SAN LUIS OBISPO, CA 93401 CONTACT@SNAPNRACK.COM	UNITS: IN, LB, DEG [MM, KG, DEG]	DATE: 12/28/2020	SHEET SIZE: 11 IN X 17 IN
			SCALE: NTS	SHEET NUMBER: 3 OF 7

REQUIRED TOOLS:

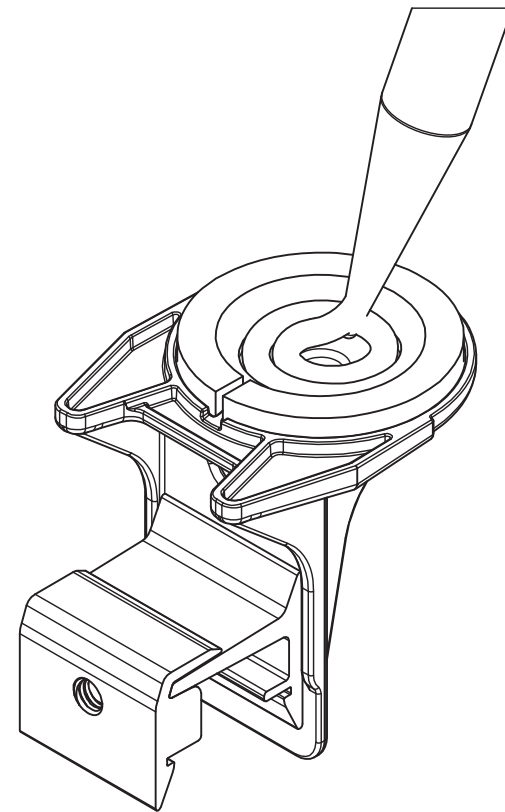
- HAMMER OR STUD FINDER
- TORQUE WRENCH
- ROOF MARKING CRAYON
- SOCKET WRENCH
- DRILL WITH 3/16" PILOT DRILL BIT
- 1/2" SOCKET
- ROOF SEALANT

REVISION:	A	12/28/2020	NEW ITEM	BDP



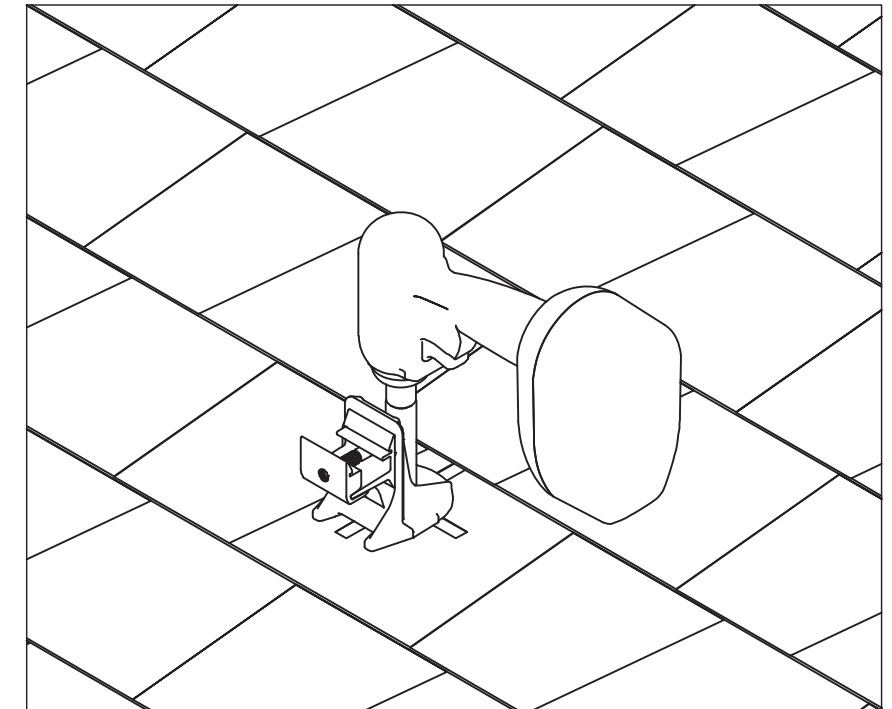
STEP 1:

USING ROOF ATTACHMENT LOCATIONS DRAWN DURING SYSTEM LAYOUT, DRILL A PILOT HOLE THROUGH THE ROOFING MATERIAL INTO THE ROOF FRAMING MEMBER. PILOT HOLE SHOULD BE LOCATED 1.5" - 3" FROM EDGE OF SHINGLE COURSE ABOVE. SPEEDSEAL FOOT SHOULD NEVER BE INSTALLED ACROSS TWO SHINGLE COURSES.



STEP 2:

FILL CAVITY ON BOTTOM OF SPEEDSEAL FOOT CREATED BY SEALANT RING WITH ROOF SEALANT, AS WELL AS THE PILOT HOLE TO ENSURE A WATER TIGHT SEAL. REMOVE ANY DIRT OR DEBRIS FROM ROOF SURFACE BEFORE FOOT IS INSTALLED. ALL MISSED PILOT HOLES SHOULD BE PROPERLY SEALED BEFORE FOOT IS INSTALLED.



STEP 3:

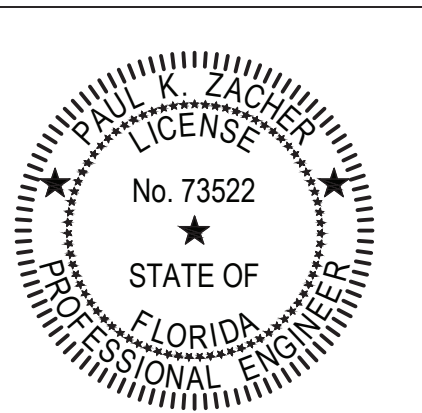
INSERT SEALING LAG SCREW THROUGH SPEEDSEAL FOOT, THEN DRIVE LAG SCREW FOR MINIMUM 2.5" EMBEDMENT IN TO THE ROOF FRAMING MEMBER. ROOF SEALANT SHOULD SEEP OUT FROM THE CAVITY LOCATED UNDERNEATH THE SPEEDSEAL FOOT, WHICH ENSURES THAT A SUFFICIENT AMOUNT OF ROOF SEALANT HAS BEEN APPLIED. IF NO SEALANT IS SEEN, REMOVE FOOT AND ADD MORE SEALANT BEFORE REINSTALLING. IF USING AN IMPACT DRIVER, FINISH TIGHTING LAG SCREW WITH A HAND WRENCH TO PREVENT FOOT FROM ROTATING.

PRODUCT APPROVED
as complying with the Florida
Building Code

NOA-No. 20-1104.01

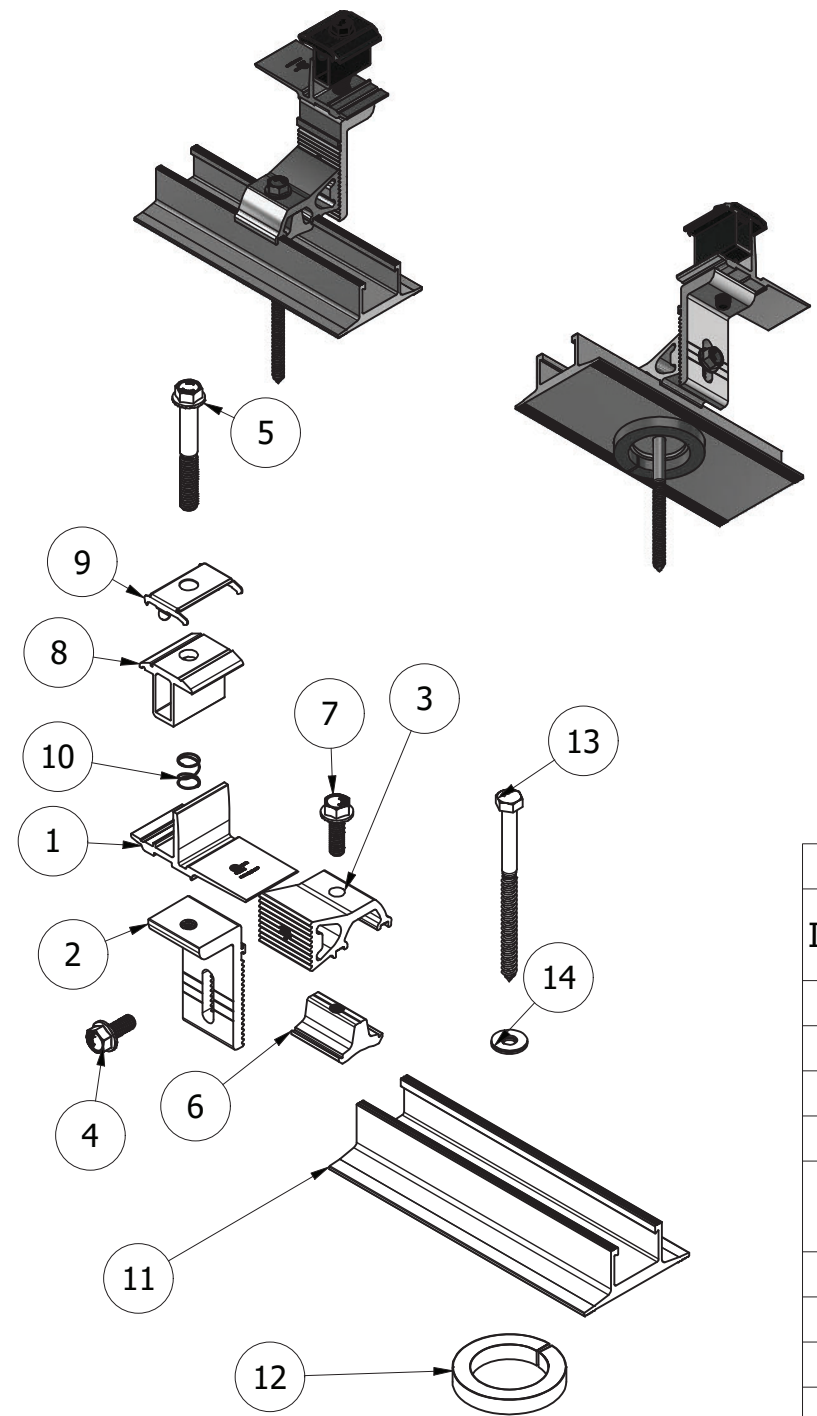
Approval Date 04/22/2021

By *[Signature]*
Miami-Dade Product Control



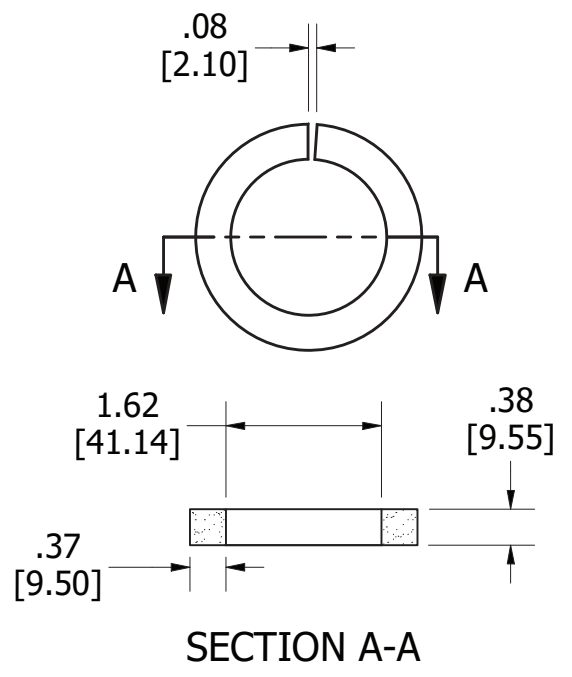
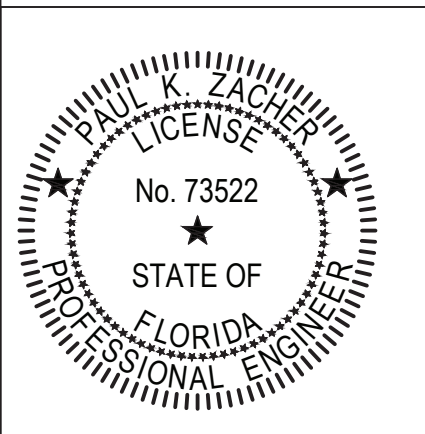
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SUNRUN INSTALLATION SERVICES INC. DBA SNAPNRACK	775 FIERO LANE, SUITE 200 SAN LUIS OBISPO, CA 93401 CONTACT@SNAPNRACK.COM	UNITS: IN, LB, DEG [MM, KG, DEG]	DATE: 12/28/2020	SHEET SIZE: 11 IN X 17 IN
			SCALE: NTS	SHEET NUMBER: 4 OF 7

REVISION:	NEW ITEM	BDP
A 12/28/2020		

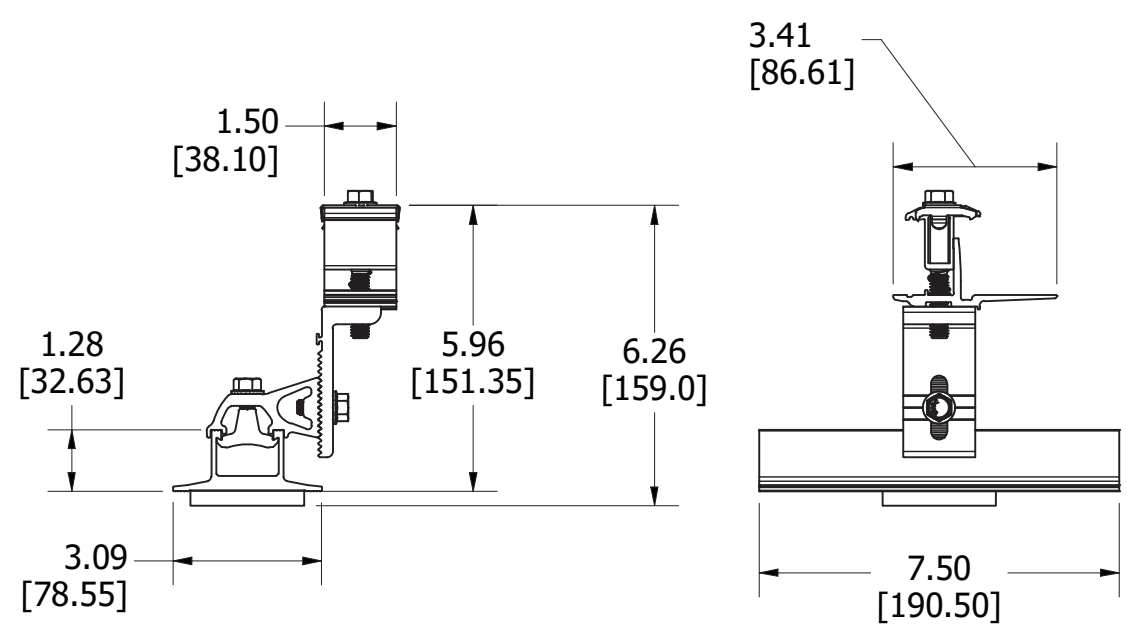


EXPLODED

PRODUCT APPROVED
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Building Code
NOA-No. 20-1104.01
Approval Date 04/22/2021
By *[Signature]*
Miami-Dade Product Control



DAM DIMENSIONS



MOUNT DIMENSIONS

PARTS LIST						
ITEM	QTY	DESCRIPTION	MASS (LBM)	MATERIAL	MINIMUM YIELD (KSI)	MINIMUM ULTIMATE (KSI)
1	1	SNAPRACK, RL UNIVERSAL, MOUNT BOTTOM, MILL	0.092	ALUMINUM 6005-T5	34.8	37.7
2	1	SNAPRACK, RL UNIVERSAL, LEVELER, MILL	0.160	ALUMINUM 6005-T5	34.8	37.7
3	1	SNAPRACK, RL UNIVERSAL, RISER, MILL	0.152	ALUMINUM 6005-T5	34.8	37.7
4	1	BOLT, FLANGE, 5-16IN-18 X 3-4IN, CLEAR, SS	0.033	STAINLESS STEEL	55	95
5	1	BOLT, FLANGE, SERRATED, 3/8IN-16 X 2-3/4IN, 1/2IN TRIM HEAD, 1.2IN THREAD, BLACK, SS	0.099	STAINLESS STEEL	55	95
6	1	SNAPRACK, DROP IN/ROCK IN CHANNEL NUT	0.065	ALUMINUM 6005-T5	34.8	37.7
7	1	BOLT, FLANGE, SERRATED, 5/16IN-18 X 1IN, SS	0.039	STAINLESS STEEL	55	95
8	1	SNAPRACK, RL UNIVERSAL, MOUNT TOP, BLACK	0.069	ALUMINUM 6005-T5	34.8	37.7
9	1	SNAPRACK, RL UNIVERSAL, BONDING CLIP	0.014	HALF HARD STAINLESS STEEL	N/A	N/A
10	1	SNAPRACK, RL UNIVERSAL, MOUNT SPRING, SS	0.001	STAINLESS STEEL	N/A	N/A
11	1	SNAPRACK, SPEEDSEAL TRACK, 7-1/2IN, MILL	0.636	ALUMINIUM 6005-T5	34.8	37.7
12	1	SNAPRACK, SPEEDSEAL DAM, TYPE 1, FOAM	0.029	CLOSED CELL FOAM 1231 BU BL ELASTOMERIC BLEND	N/A	N/A
13	1	SNAPRACK, SCREW, LAG, 5/16IN X 4-1/2IN, SS	0.092	STAINLESS STEEL	55	95
14	1	SNAPRACK, WASHER, 5/16IN, EPDM	0.010	STAINLESS STEEL AND EPDM	N/A	N/A

PE SIGNATURE: <i>[Signature]</i>	PE DATE: 3-25-2021	DESCRIPTION: ASSEMBLY, RL UNIVERSAL MOUNT	DRAWING NUMBER: SNR-DC-00480	REV: A		
SUNRUN INSTALLATION SERVICES INC. DBA SNAPRACK	775 FIERO LANE, SUITE 200 SAN LUIS OBISPO, CA 93401 CONTACT@SNAPRACK.COM	UNITS: IN, LB, DEG [MM, KG, DEG]	DATE: 12/28/2020	SHEET SIZE: 11 IN X 17 IN	SCALE: NTS	SHEET NUMBER: 5 OF 7

SNAPRACK RL UNIVERSAL SPEEDSEAL TRACK COMPOSITION
ROOF MOUNTING

PILOT HOLE $\frac{3}{16}$ " \varnothing

EMBED $\varnothing\frac{5}{16}$ " LAG SCREW 2-1/2" INTO THE ROOF
STRUCTURAL MEMBER / RAFTER

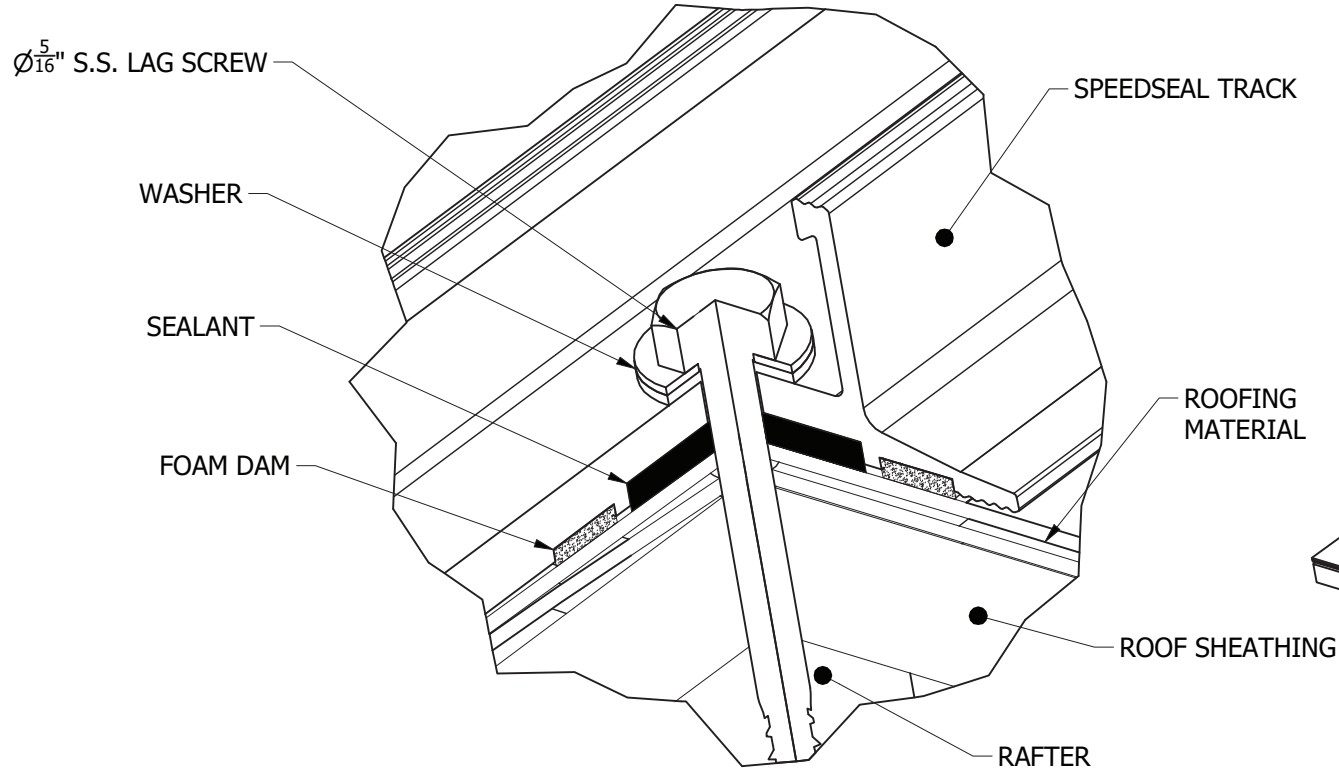
FOR TORQUE SPECIFICATIONS SEE INSTALLATION MANUAL

MINIMUM WOOD GRADE OF STRUCTURAL MEMBER = SPF#2
MINIMUM SPECIFIC GRAVITY = 0.42

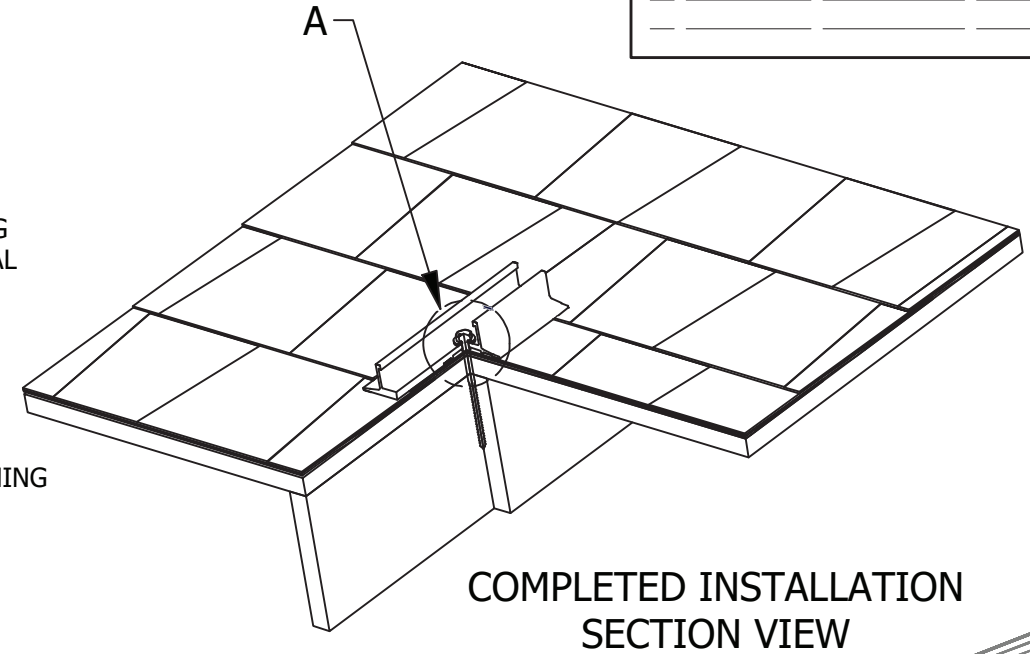
ALLOWABLE FASTENER UPLIFT = 491.6 LBS
ALLOWABLE FASTENER LATERAL = 250 LBS

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

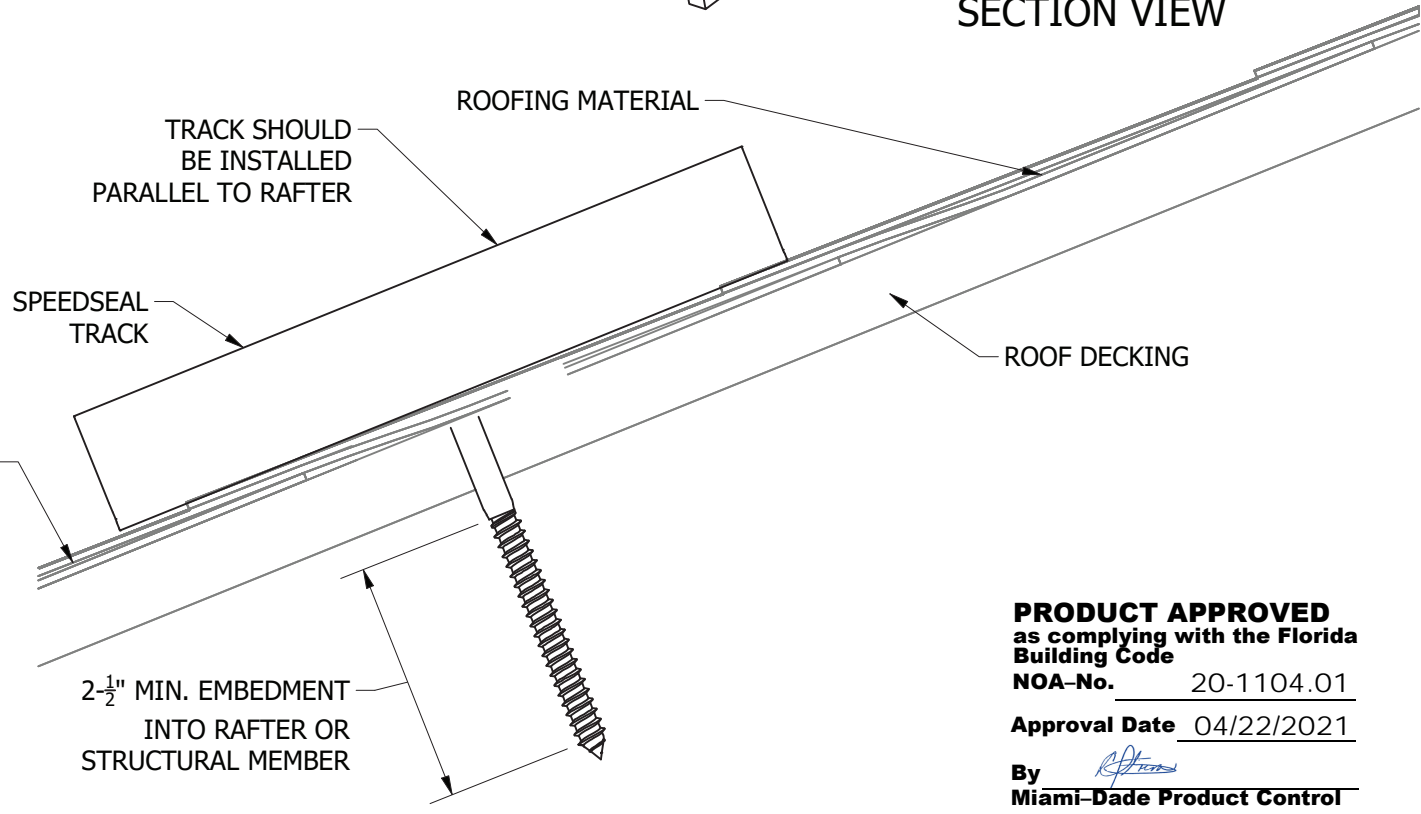
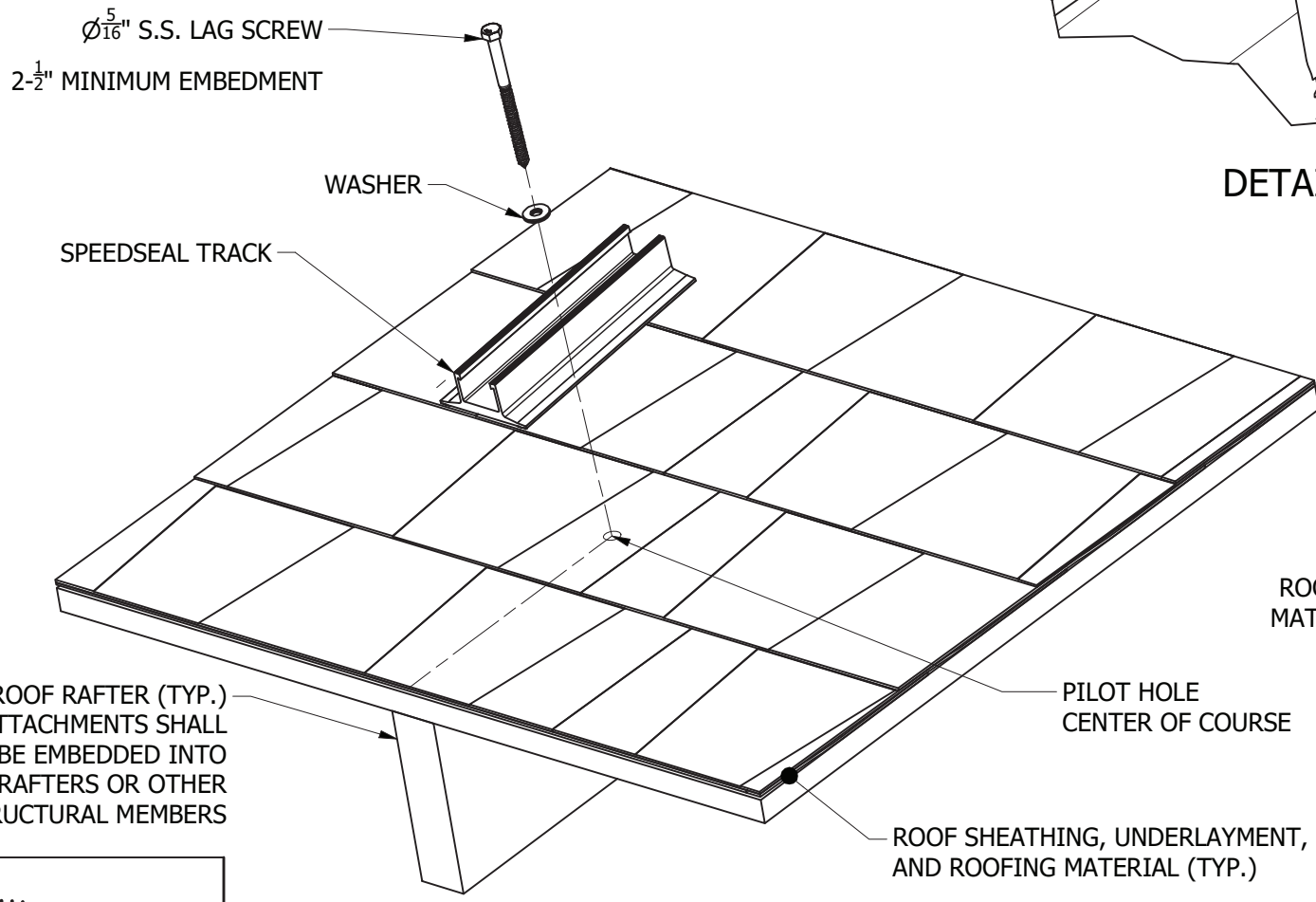
REVISION:	NEW ITEM	BDP
A	12/28/2020	



DETAIL A

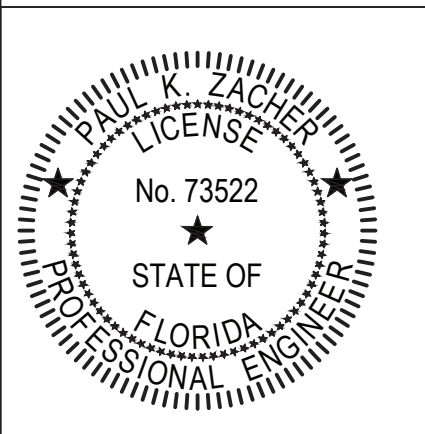


COMPLETED INSTALLATION SECTION VIEW



COMPLETED INSTALLATION

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 20-1104.01
Approval Date 04/22/2021
By *[Signature]*
Miami-Dade Product Control

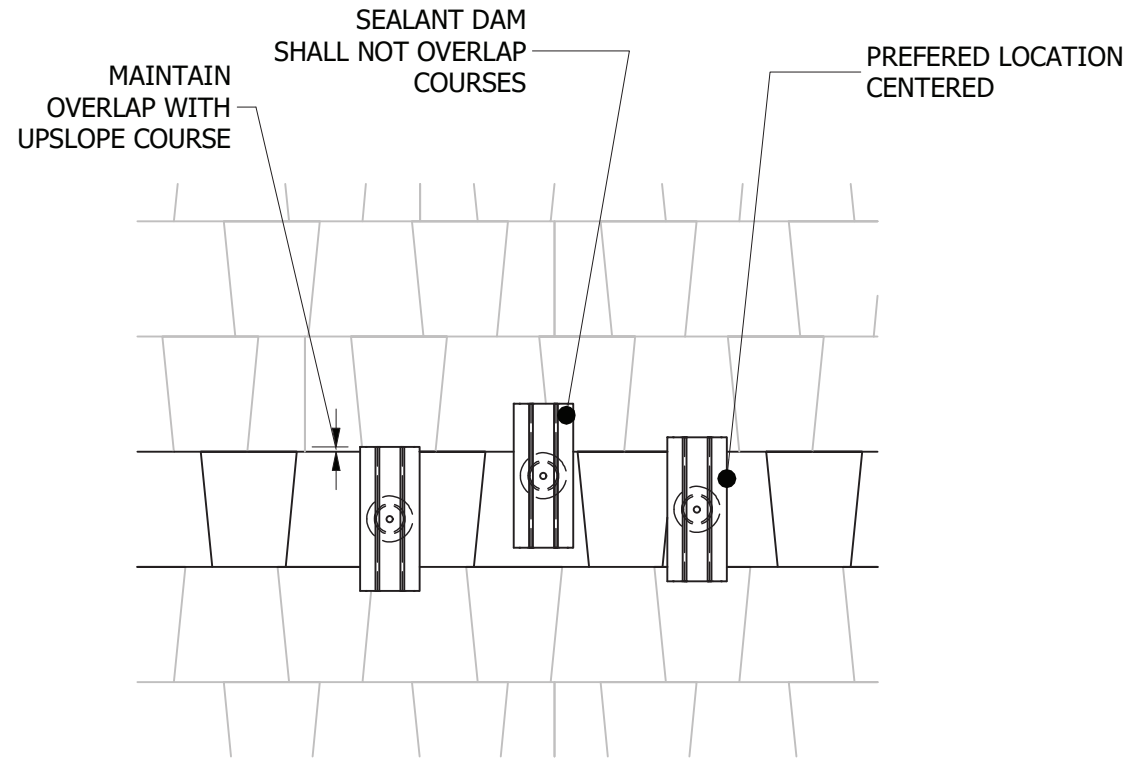


PE SIGNATURE: <i>[Signature]</i>	PE DATE: 3-25-2021	DESCRIPTION: ATTACHMENT DETAIL, RL UNIVERSAL SPEEDSEAL TRACK	DRAWING NUMBER: SNR-DC-00480	REV: A
SUNRUN INSTALLATION SERVICES INC. DBA SNAPRACK	775 FIERO LANE, SUITE 200 SAN LUIS OBISPO, CA 93401 CONTACT@SNAPRACK.COM	UNITS: IN, LB, DEG [MM, KG, DEG]	DATE: 12/28/2020	SHEET SIZE: 11 IN X 17 IN
			SCALE: NTS	SHEET NUMBER: 6 OF 7

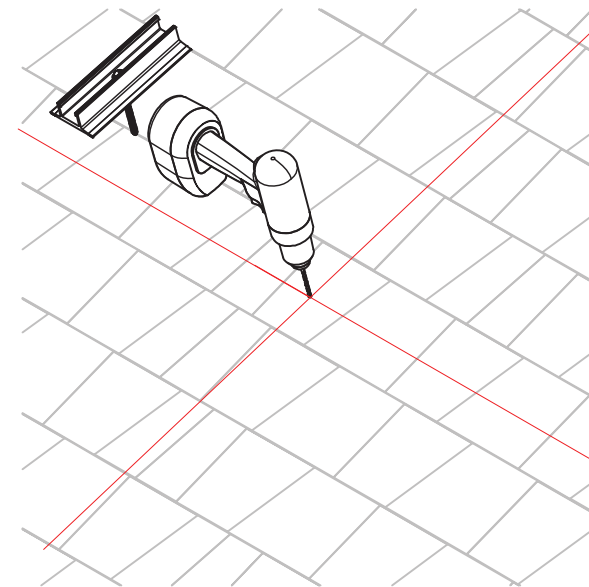
REQUIRED TOOLS:

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

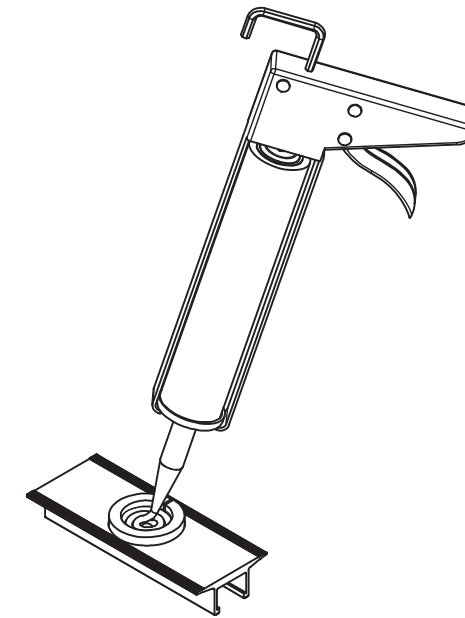
REVISION:	NEW ITEM	BDP
A 12/28/2020		



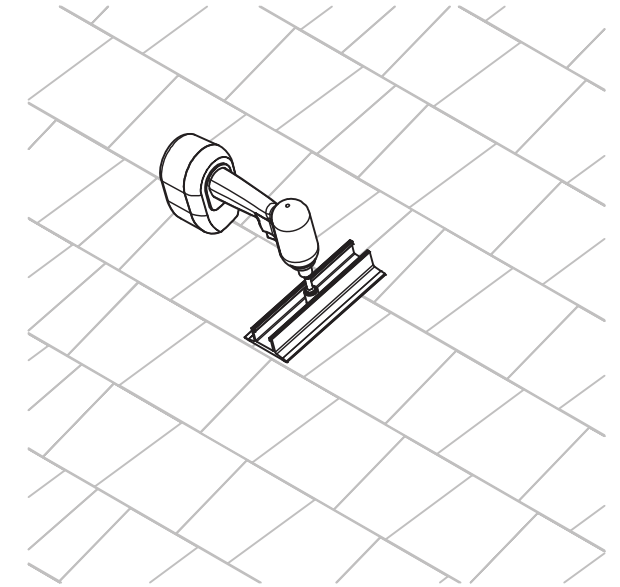
STEP 1:
POSITION SPEEDSEAL TRACK. TRACK MUST BE POSITIONED WITH THE SEALANT DAM ENTIRELY ON ONE COURSE OF COMPOSITION. THE TRACK SHOULD MAINTAIN AN OVERLAP WITH THE UPSLOPE COURSE.



STEP 2:
USING THE SPEEDSEAL TRACK AS A TEMPLATE, DRILL A PILOT HOLE INTO THE RAFTER WITH A 3/16" DRILL BIT.



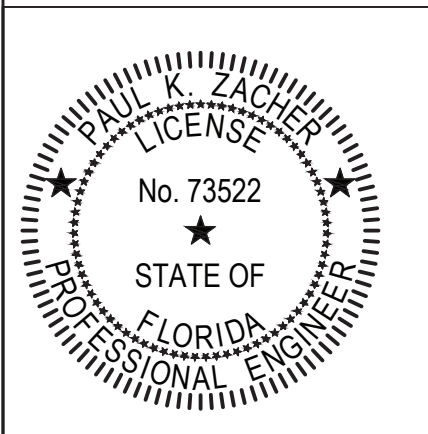
STEP 3:
TURN SPEEDSEAL TRACK OVER AND FILL DAM WITH ROOF SEALANT.



STEP 4:
ATTACH SPEEDSEAL TRACK TO ROOF USING THE 5/16" SS LAG SCREW AND WASHER.

NOTE: ROOF SEALANT SHOULD BE EXPELLED FROM THE UNDERSIDE OF THE TRACK AS IT IS INSTALLED TO ASSURE THE PROPER AMOUNT OF ROOF SEALANT HAS BEEN APPLIED. IF NO SEALANT IS EXPELLED, REMOVE TRACK AND ADD MORE SEALANT TO THE CAVITY THEN REINSTALL ON ROOF.

PRODUCT APPROVED
as complying with the Florida Building Code
NOA-No. 20-1104.01
Approval Date 04/22/2021
By *[Signature]*
Miami-Dade Product Control



PE SIGNATURE: <i>[Signature]</i>	PE DATE: 3-25-2021	DESCRIPTION: INSTALLATION PROCEDURE, RL UNIVERSAL SPEEDSEAL TRACK	DRAWING NUMBER: SNR-DC-00480	REV: A
SUNRUN INSTALLATION SERVICES INC. DBA SNAPRACK	775 FIERO LANE, SUITE 200 SAN LUIS OBISPO, CA 93401 CONTACT@SNAPRACK.COM	UNITS: IN, LB, DEG [MM, KG, DEG]	DATE: 12/28/2020	SHEET SIZE: 11 IN X 17 IN
		SCALE: NTS	SHEET NUMBER: 7 OF 7	