

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

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

NOTICE OF ACCEPTANCE (NOA)

K2 Systems, LLC 4665 North Ave. Suite 1 Oceanside, CA 92056

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: Splice Foot X, Splice Foot XL and L-Foot Ecofasten w/ eComp Flashing Aluminum Solar Mounts

APPROVAL DOCUMENT: Drawing titled "Splice Foot X, Splice Foot XL and Everflash eComp Kit", sheets 1 through 12 of 12, prepared by K2 Systems, dated on 01/11/2022, with revision C dated 07/07/2022, signed and sealed by Paul K. Zacher, P.E., 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, city, state and following statement: "Miami-Dade County Product Control Approved or MDCPCA", unless otherwise noted herein.

Limitation: The allowable fastener uplift and lateral on drawing sheets 3 and 6 are total (for the 2 fasteners).

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 # 22-0516.04 and 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 Carlos M. Utrera, P.E.

MIAMI-DADE COUNTY
APPROVED

NOA No: 22-0719.06 Expiration Date: February 17, 2027

Expiration Date: February 17, 2027 Approval Date: August 25, 2022

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous NOAs

A. DRAWINGS

1. Drawing titled "Splice Foot X and Everflash eComp Kit", sheets 1 through 9 of 9, prepared by K2 Systems, dated on 01/11/2022, signed and sealed by Paul K. Zacher, P.E. on 05/09/2022.

B. TESTS "Submitted under NOA # 21-0727.03"

- 1. Test report on Uplift and Shear Allowable Loads of the eComp Flashing Solar Mount per ASTM D7147-11, prepared by Intertek, Test Report No. **M1451.02-119-18 R0**, dated 06/29/2021, signed and sealed by Daniel C. Culbert, P.E.
- 2. Test report on Uplift and Shear Allowable Loads of the Splice Foot per ASTM D7147-11, prepared by Intertek, Test Report No. M1453.02-119-18 R0, dated 06/29/2021, signed and sealed by Daniel C. Culbert, P.E.
- 3. Test report on Wind Driven Rain Resistance of the eComp Flashing per TAS 100(A)-95, prepared by Intertek, Test Report No. M1451.01-109-18, dated 05/18/2021, signed and sealed by Daniel C. Culbert, P.E.
- **4.** Test report on Wind Driven Rain Resistance of the Splice Foot per TAS 100(A)-95, prepared by Intertek, Test Report No. **M1453.01-109-18**, dated 05/18/2021, signed and sealed by Daniel C. Culbert, P.E.

C. CALCULATIONS "Submitted under NOA # 21-0727.03"

1. Anchor calculations prepared by PZ Structural Engineers, dated 01/24/2022, 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 "Submitted under NOA # 21-0727.03"

- 1. Statement letter of code conformance to the 7th edition (2020) of the FBC issued by PZ Structural Engineers, dated 01/24/2022, signed and sealed by Paul K. Zacher, P.E.
- 2. Statement letter of no financial interest issued by PZ Structural Engineers, dated 07/13/2021, signed and sealed by Paul K. Zacher, P.E.

Carlos M. Utrera, P.E. Product Control Examiner NOA No: 22-0719.06

Expiration Date: February 17, 2027 Approval Date: August 25, 2022

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. New evidence submitted

A. DRAWINGS

1. Drawing titled "Splice Foot X, Splice Foot XL and Everflash eComp Kit", sheets 1 through 12 of 12, prepared by K2 Systems, dated on 01/11/2022, with revision C dated 07/07/2022, signed and sealed by Paul K. Zacher, P.E.

B. TESTS

- 1. Test report on Uplift and Shear Allowable Loads of the Splice Foot XL Solar Mount per ASTM D7147-11, prepared by Intertek, Test Report No. **N8734.01-119-18-R0**, dated 06/29/2022, signed and sealed by Vinu J. Abraham, P.E.
- 3. Test report on Wind Driven Rain Resistance of the Splice Foot XL Solar Mount per TAS 100(A)-95, prepared by Intertek, Test Report No. **N2321.01-109-18**, dated 02/23/2022, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS

1. Anchor calculations prepared by PZ Structural Engineers, dated 07/11/2022, signed and sealed by Paul K. Zacher, P.E.

D. MATERIAL CERTIFICATIONS

1. None.

E. QUALITY ASSURANCE

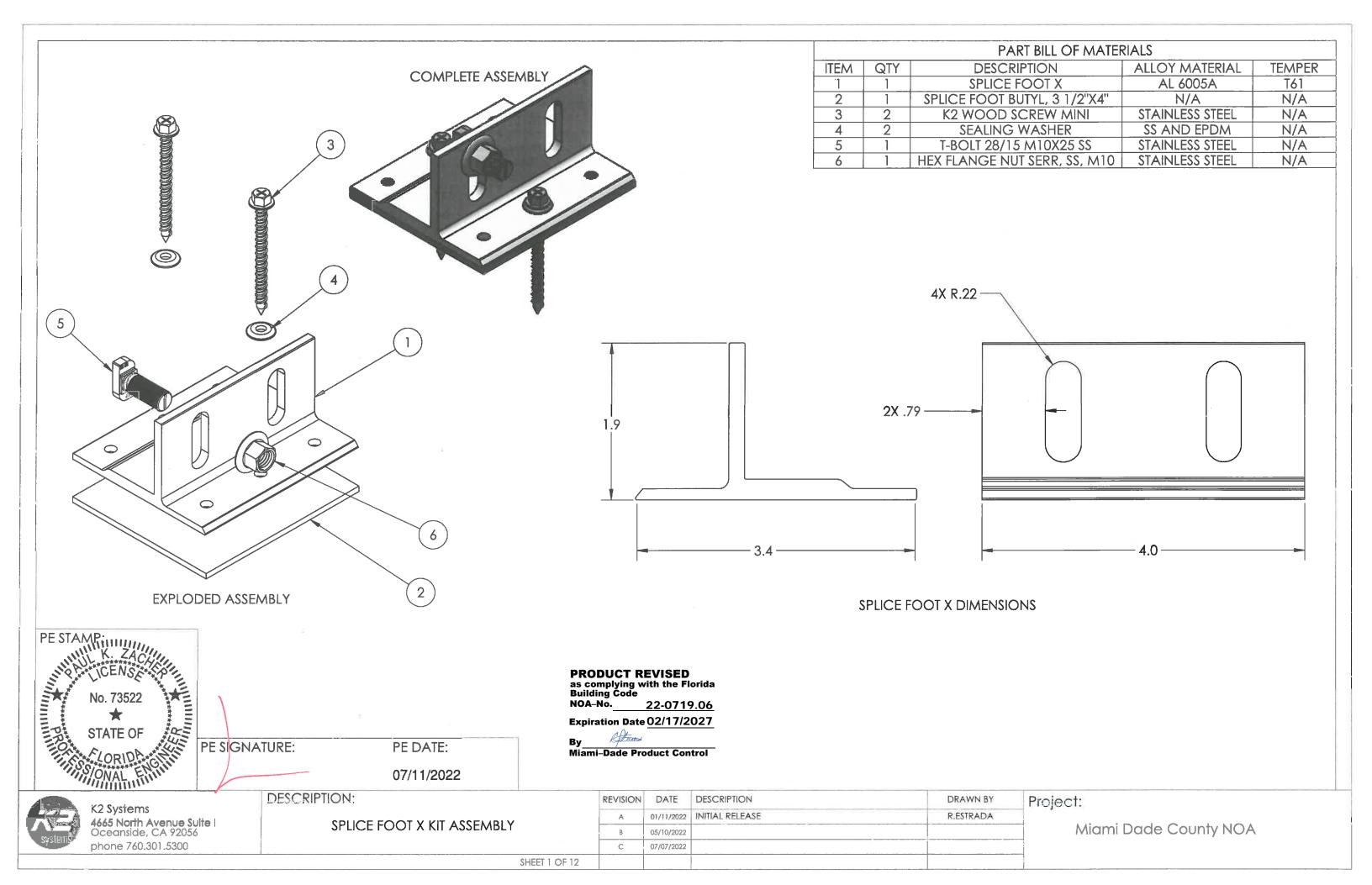
1. Miami-Dade Department of Regulatory and Economic Resources (RER).

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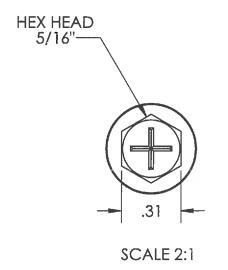
Carlos M. Utrera, P.E. Product Control Examiner NOA No: 22-0719.06

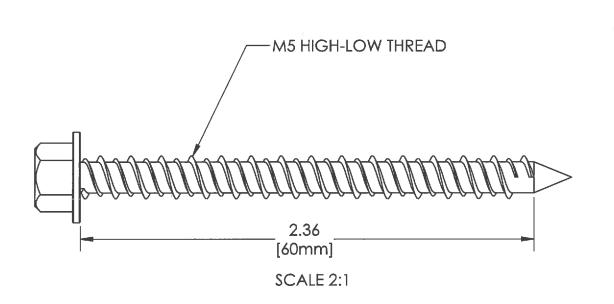
Expiration Date: February 17, 2027 Approval Date: August 25, 2022

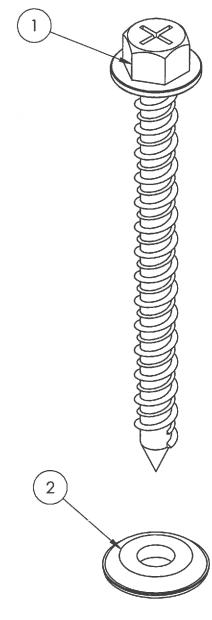


SCREW MATERIAL: STAINLESS STEEL 304

	PART BILL OF MATERIALS		
ITEM	QTY	DESCRIPTION	MATERIAL
1	1	K2 WOOD SCREW MINI	STAINLESS STEEL
2	1	SEALING WASHER	STAINLESS STEEL AND EPDM







PE SIGNATURE:

PE DATE:

07/11/2022

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 22-0719.06

Expiration Date 02/17/2027

By Miami-Dade Product Control

SHEET 2 OF 12

SCALE 2:1

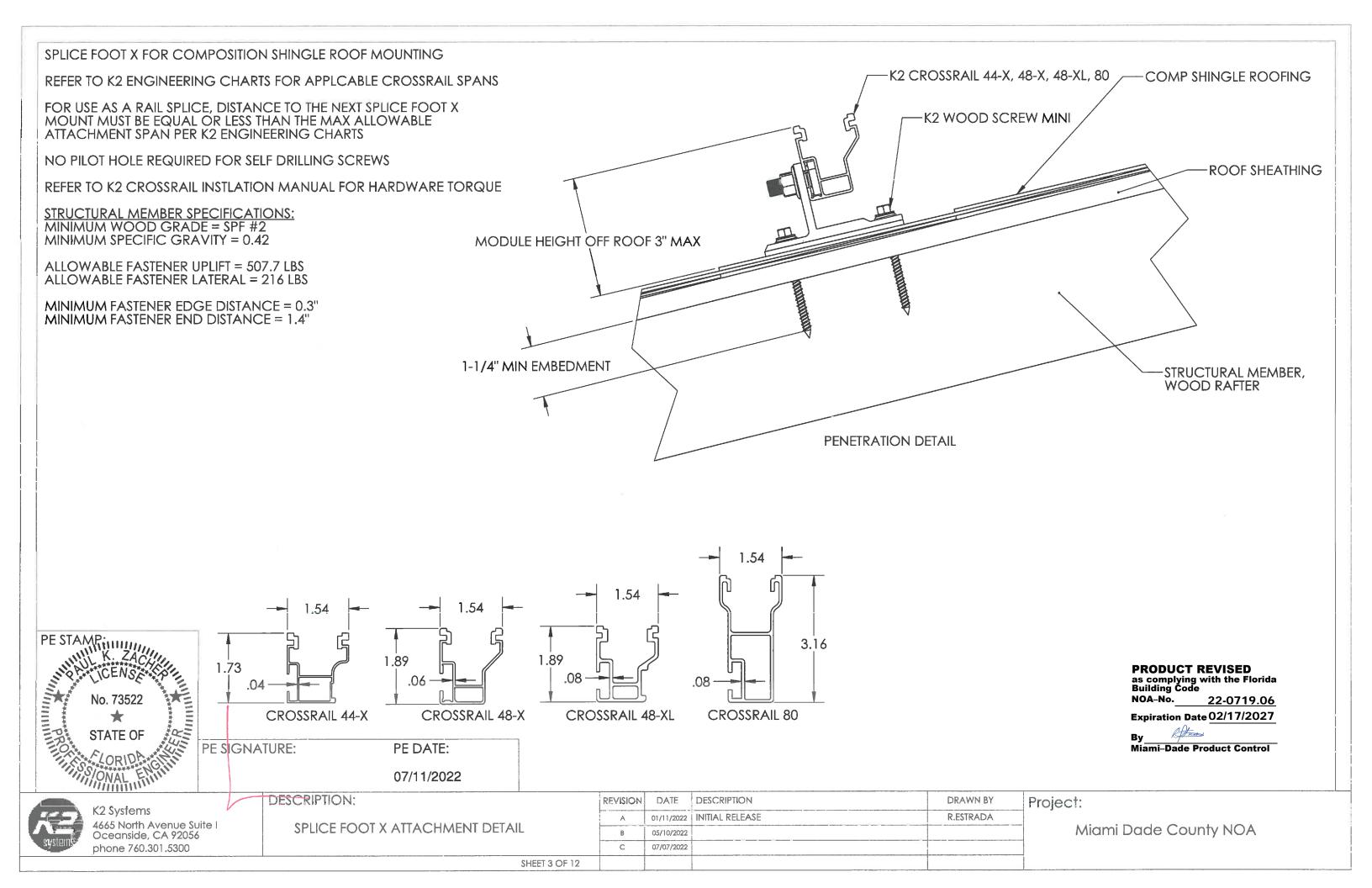


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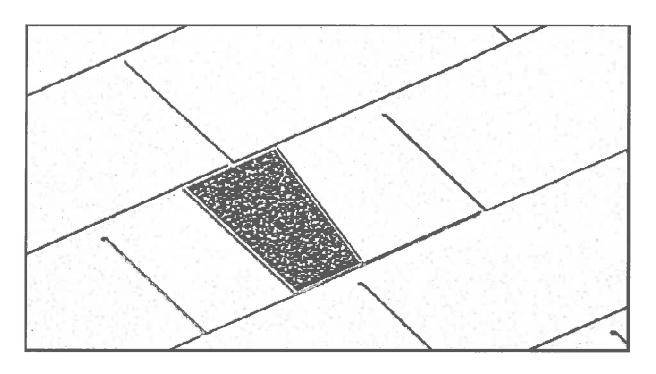
K2 WOOD SCREW MINI DETAIL

REVISION	DATE	DESCRIPTION	DRAWN BY
Α	01/11/2022	INITIAL RELEASE	R.ESTRADA
В	05/10/2022		
С	07/07/2022		

Project:



REUIRED TOOLS: 5/16" SOCKET SOCKET WRENCH COMP SHINGLE START COURSE OR K2 BUTYL (FOR UNEVEN SURFACES)

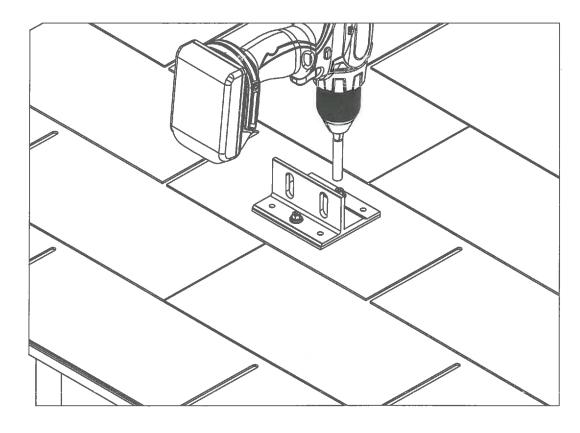


STEP 1:

Corner out and mark array on roof.
Snap chalk lines for rail location within shingle course. (Refer to module manufacturer frame clamping zones). Mark mounting locations over rafters and chalk lines within shingle course. Refer to engineering letters for allowable mount spacing.

STEP 1 (CONTINUED): LEVELING UNEVEN ROOF SURFACES: If shingle surface is not level, use an additional piece of K2 butyl or a standard comp shingle starter course to level out the roof surface under the Splice Foot.

SHEET 4 OF 12



STEP 2:

Locate the rafter and clean roofing surface for mount placement. Peel back protective paper from butyl, and stick down mount on a single shingle course with the two center holes lining up over the rafter. Position all mounts in the same direction with the long side towards the ridge. Drive provided lag screws into the rafter until the EPDM seal begins to deform, providing a positive seal. Do not over torque.

PE SIGNATURE:

PE DATE:

07/11/2022

UKE:

1011

DESCRIPTION:

SPLICE FOOT X INSTALLATION

REVISION	DATE	DESCRIPTION	DRAWN BY
Α	01/11/2022	INITIAL RELEASE	R.ESTRADA
В	05/10/2022		
С	07/07/2022		

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 22-0719.06

Expiration Date 02/17/2027

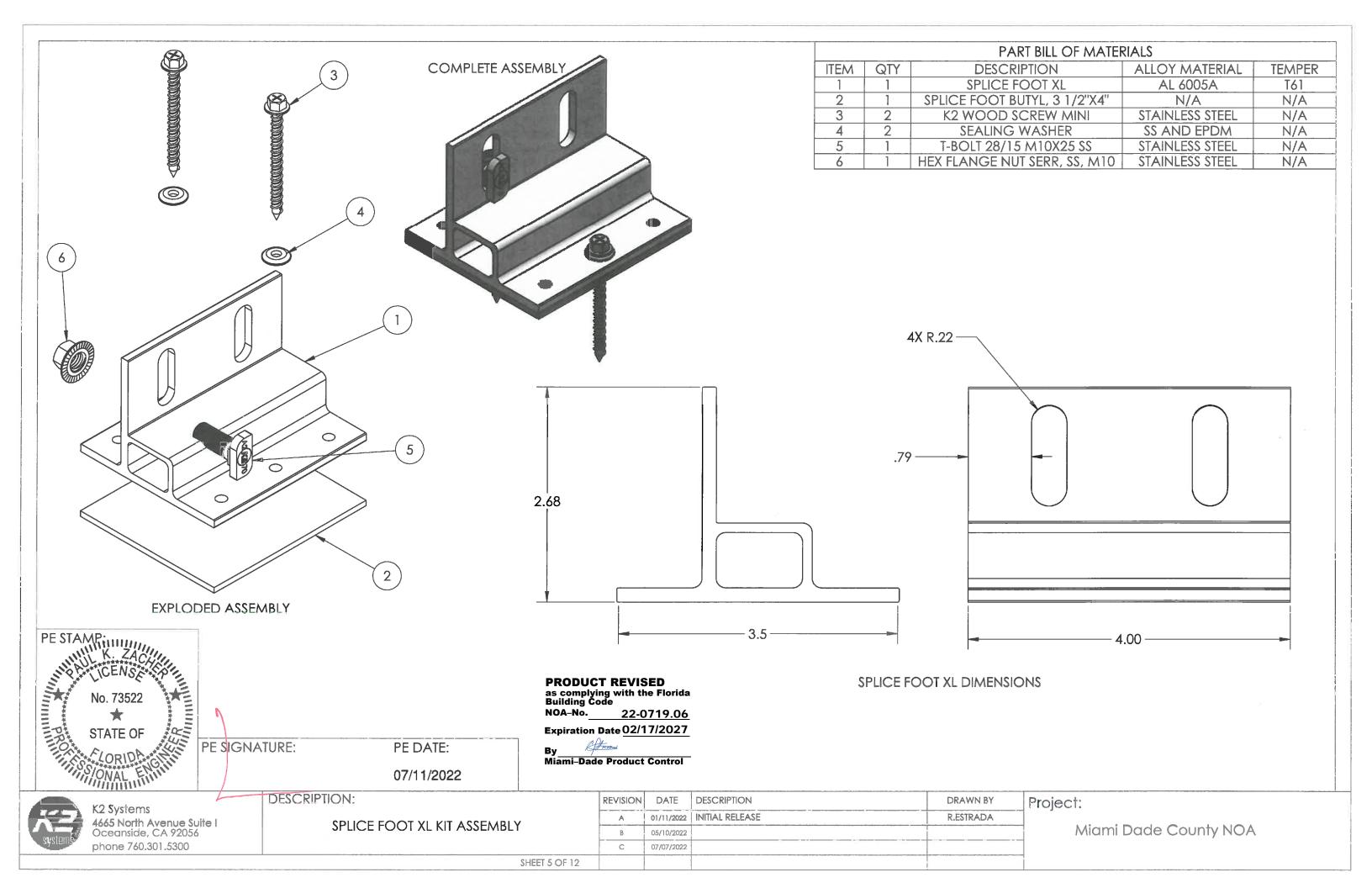
By Miami-Dade Product Control

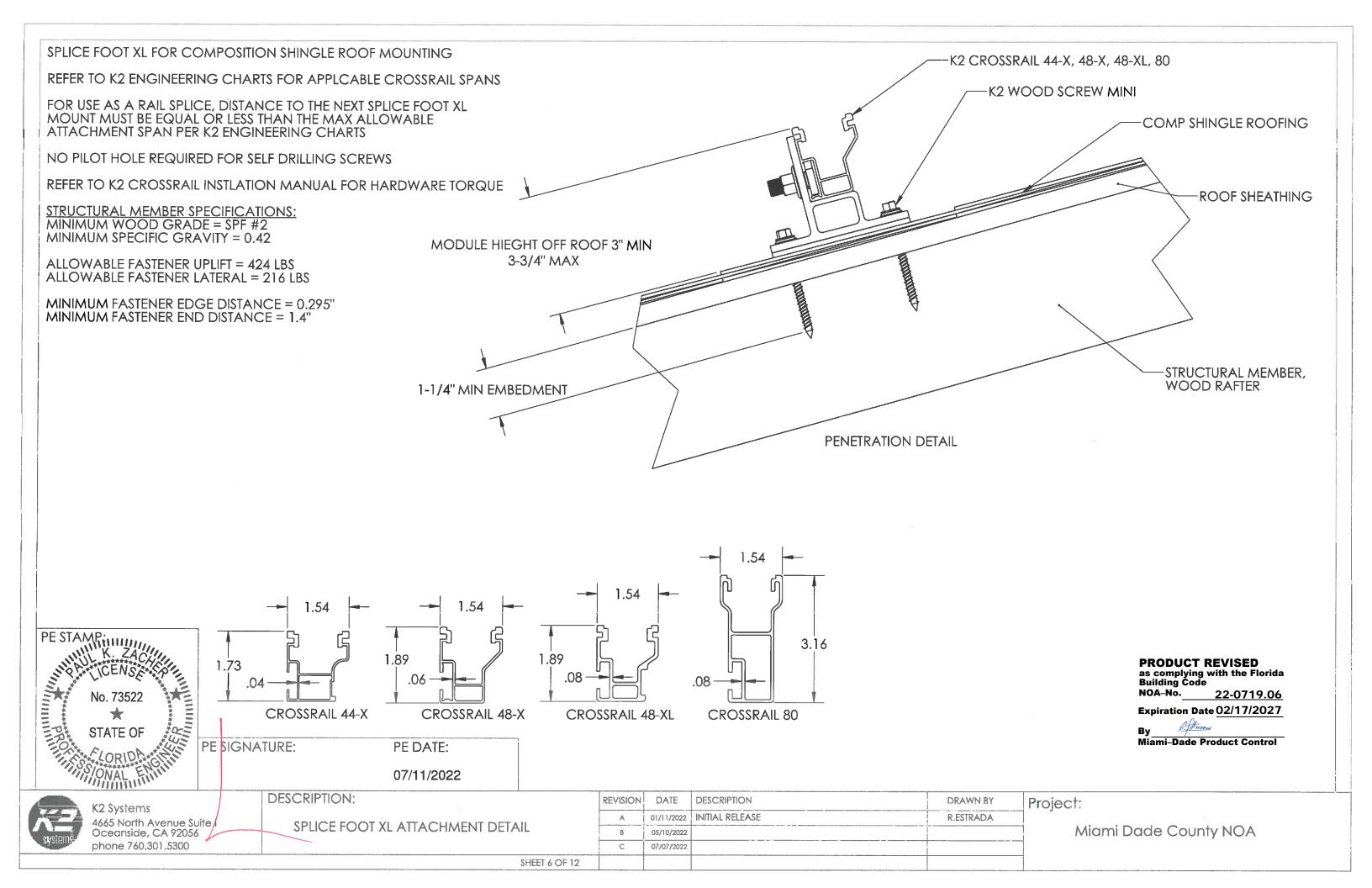
Project:

Miami Dade County NOA

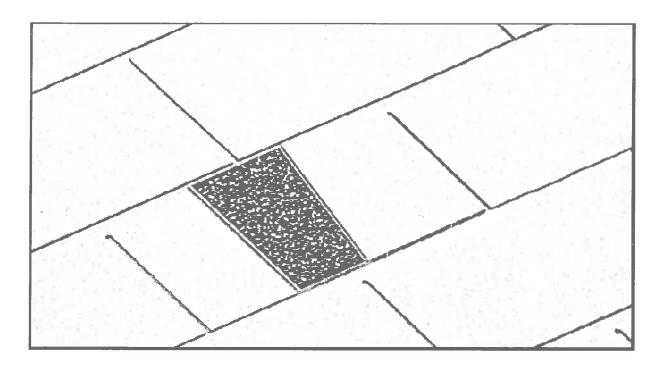
K2 Systems

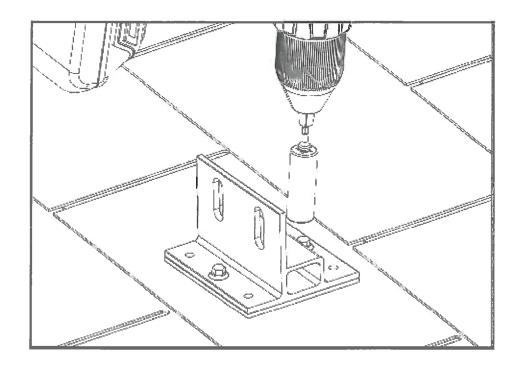
4665 North Avenue Suite I
Oceanside, CA 92056
phone 760.301.5300





REUIRED TOOLS: 5/16" SOCKET SOCKET WRENCH COMP SHINGLE START COURSE OR K2 BUTYL (FOR UNEVEN SURFACES)





STEP 1:

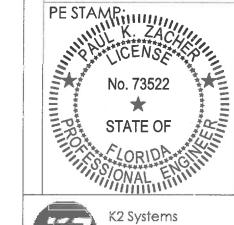
Corner out and mark array on roof.
Snap chalk lines for rail location within shingle course. (Refer to module manufacturer frame clamping zones). Mark mounting locations over rafters and chalk lines within shingle course. Refer to engineering letters for allowable mount spacing.

STEP 1 (CONTINUED): LEVELING UNEVEN ROOF SURFACES: If shingle surface is not level, use an additional piece of K2 butyl or a standard comp shingle starter course to level out the roof surface under the Splice Foot.

SHEET 7 OF 12

STEP 2:

Locate the rafter and clean roofing surface for mount placement. Peel back protective paper from butyl, and stick down mount on a single shingle course with the two center holes lining up over the rafter. Position all mounts in the same direction with the long side towards the ridge. Drive provided lag screws into the rafter until the EPDM seal begins to deform, providing a positive seal. Do not over torque.



PE SIGNATURE:

PE DATE:

07/11/2022

PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. 22-0719.06

Expiration Date <u>02/17/2027</u>

Miami-Dade Product Control

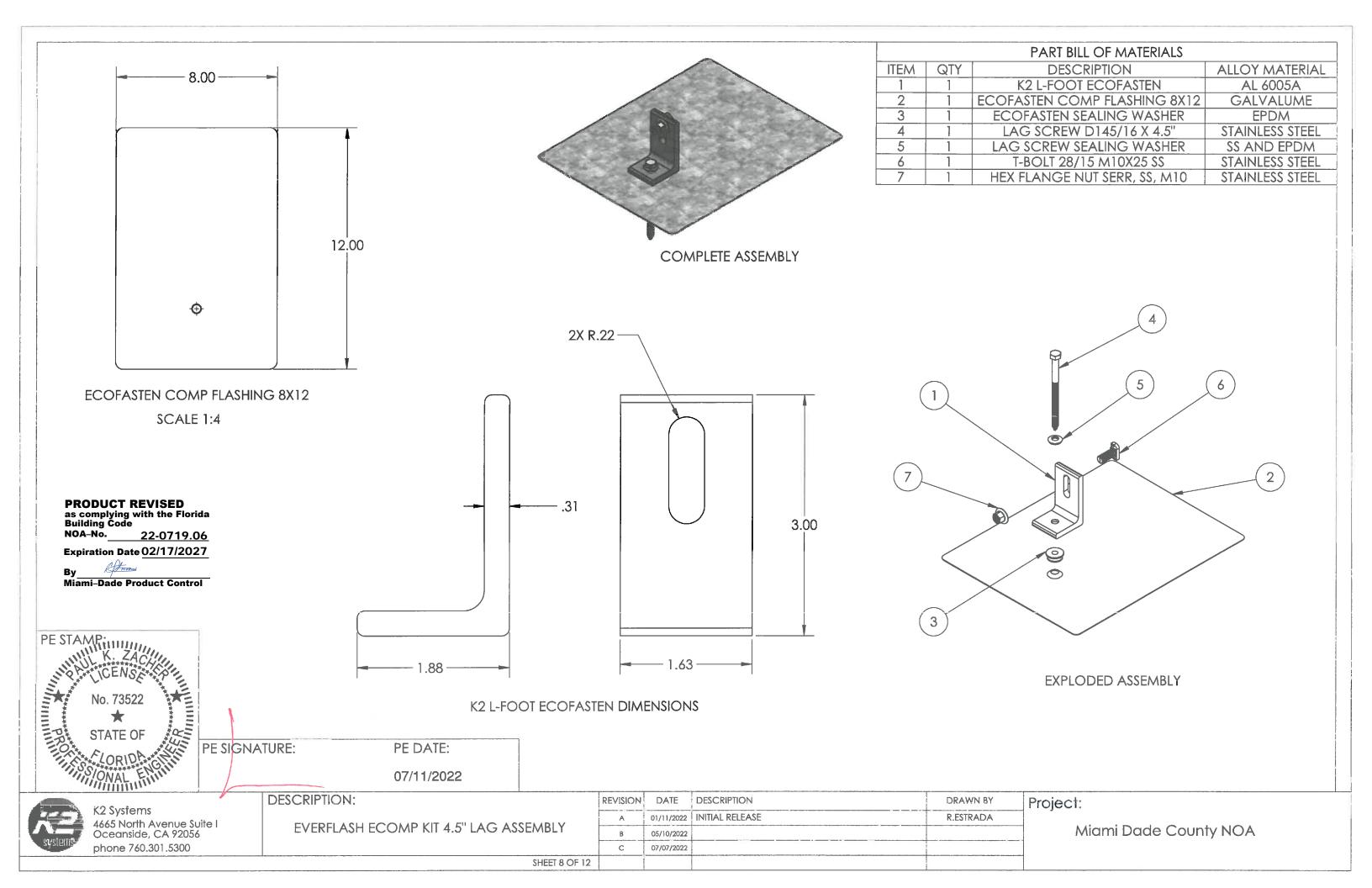
K2 Systems
4665 North Avenue Suite I
Oceanside, CA 92056
phone 760.301.5300

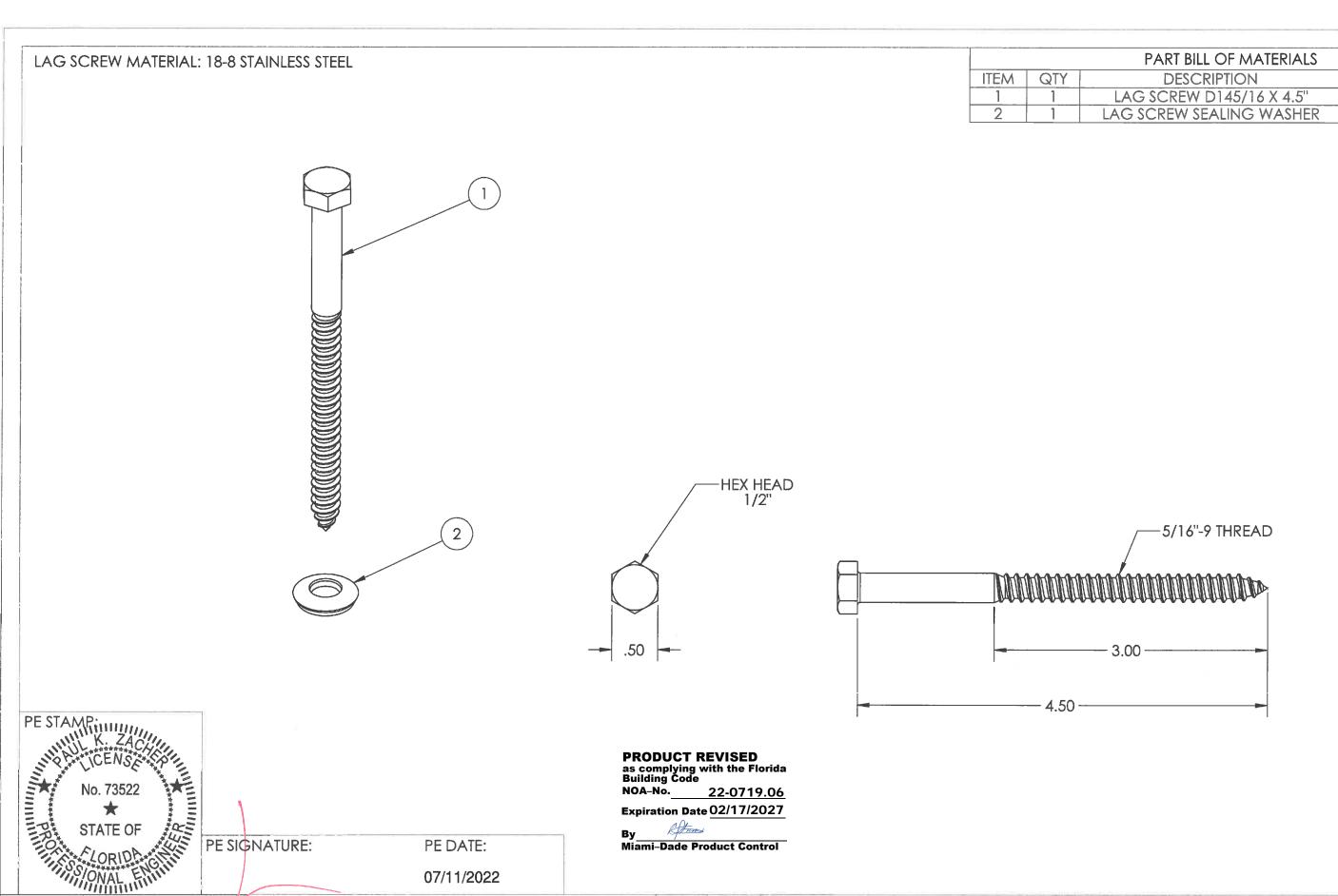
DESCRIPTION:

SPLICE FOOT XL INSTALLATION

REVISION	DATE	DESCRIPTION	DRAWN BY	F
Α	01/11/2022	INITIAL RELEASE	R.ESTRADA	
В	05/10/2022			
С	07/07/2022			

Project:





K2 Systems 4665 North Avenue Suite | Oceanside, CA 92056 phone 760.301.5300

DESCRIPTION:

ECOMP LAG SCREW D145/16 X 4.5" DETA

AIL	REVISION	DATE
	A	01/11/202
	В	05/10/202
	C	07/07/202

SHEET 9 OF 12

01/11/2022

05/10/2022

07/07/2022

DESCRIPTION DRAWN BY INITIAL RELEASE R.ESTRADA

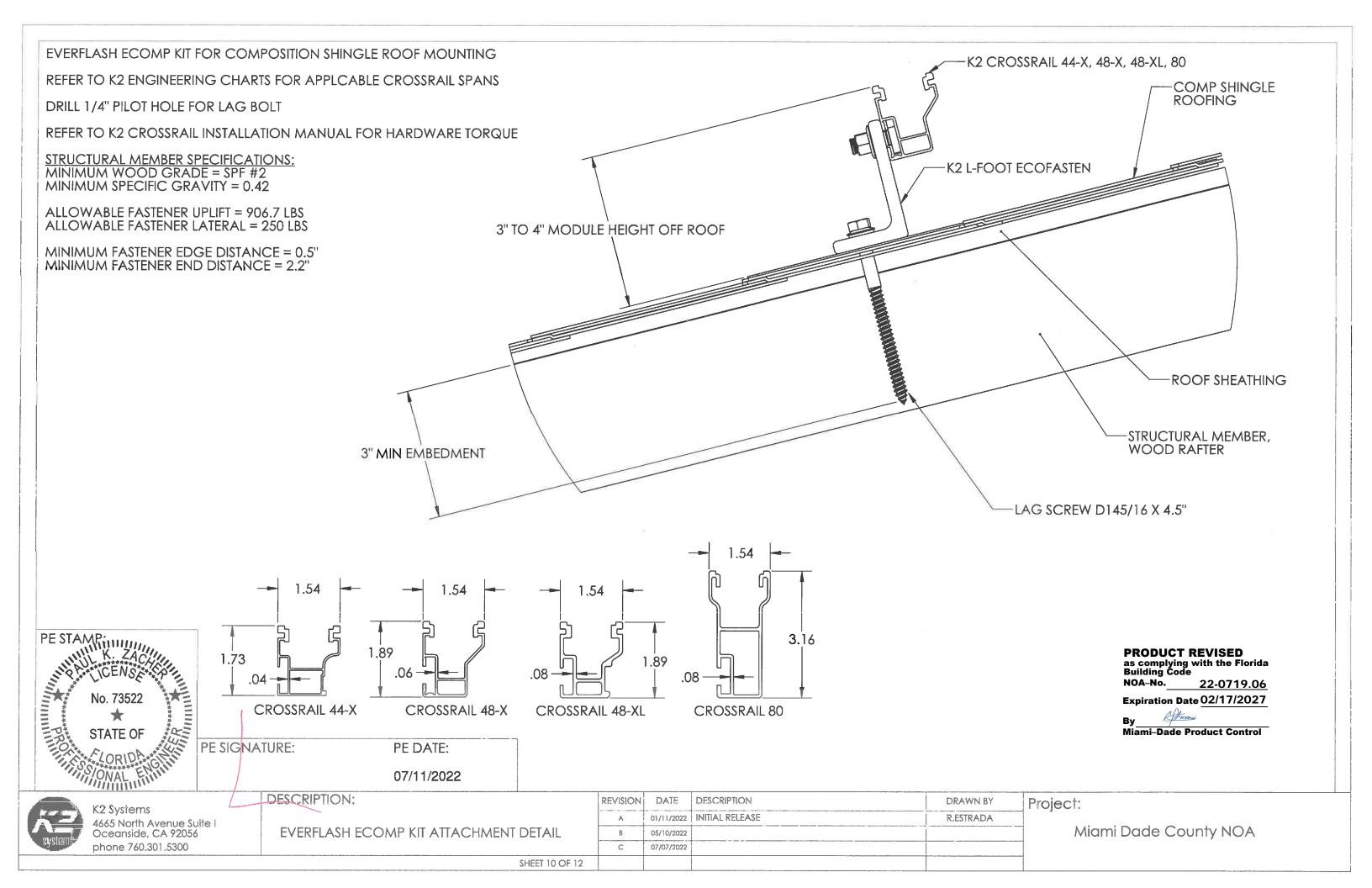
Project:

Miami Dade County NOA

ALLOY MATERIAL

STAINLESS STEEL

SS AND EPDM



REQUIRED TOOLS: CHALK LINE ROOFING BAR 1/4" DRILL BIT ROOFING MANUFACTURER APPROVED SEALANT

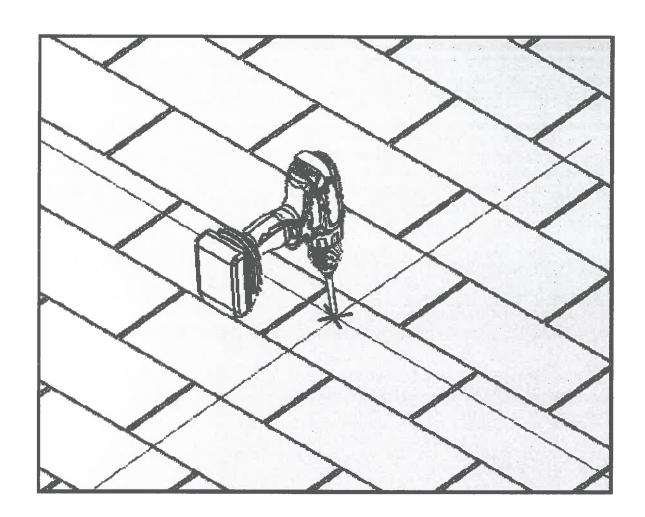
STEP 1:

Locate rafters and snap horizontal and vertical lines to mark the installation position for each **EVERFLASH ECOMP**

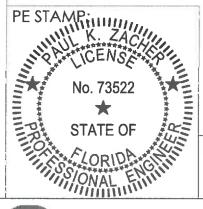
It is important to remove any obstructing nails in the 2nd course of shingles as they can prevent the flashing from extending up under the 3rd course of shingles.

This is required by the roofing manufacturer's instructions and warranties, and the Asphalt Roofing Manufacturer's Association guidelines.

Use roofing bar to break the seals between the 1st and 2nd, and 2nd and 3rd shingle courses. Be sure to remove all nails to allow correct placement of flashina.



Drill pilot hole and fill with roofing manufacturer approved sealant.



PE SIGNATURE:

PE DATE:

07/11/2022

PRODUCT REVISED as complying with the Florida Building Code 22-0719.06 NOA-No.

Expiration Date 02/17/2027

Miami-Dade Product Control

SHEET 11 OF 12

K2 Systems 4665 North Avenue Suite I Oceanside, CA 92056 phone 760.301.5300

DESCRIPTION:

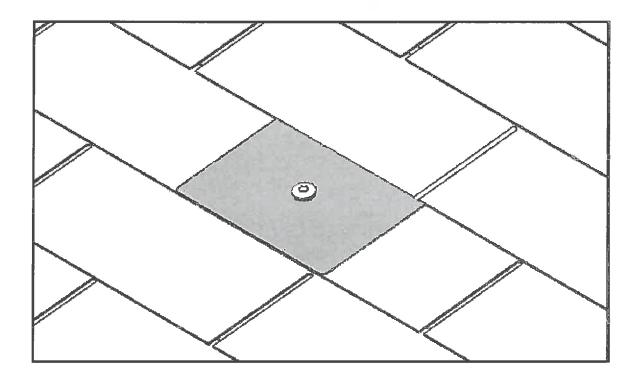
EVERFLASH ECOMP KIT INSTALLATION

REVISION	DATE	DESCRIPTION	DRAWN BY	Р
Α	01/11/2022	INITIAL RELEASE	R.ESTRADA	
В	05/10/2022			
С	07/07/2022			

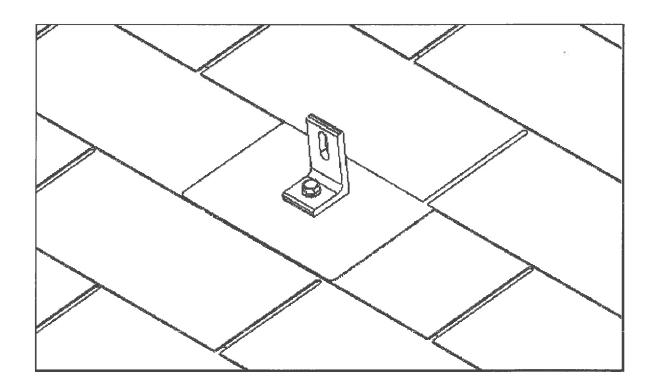
Project:

REQUIRED TOOLS:

13MM DEEP SOCKET SOCKET WRENCH

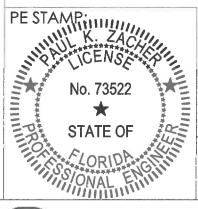


STEP 4: Slide the eComp flashing under the 2nd course of shingles so that the bottom flashing edge does not overhang the butt edge of the shingles. This requirement ensures that the flashing extends up under the 3rd course of shingles and the minimum head-lap is achieved.



Line up pilot hole with the flashing hole. Insert the lag screw through EPDM bonded washer, L-Foot, gasketed hole in flashing and into rafter.

The torque range is between 8.3 - 11.6 ft-lbs depending on type of wood and time of year.



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NOA-No. 22-0719.06

Expiration Date 02/17/2027

SHEET 12 OF 12

Miami-Dade Product Control

PE SIGNATURE:

PE DATE:

07/11/2022

K2 Systems 4665 North Avenue Suite | Oceanside, CA 92056 phone 760,301,5300

DESCRIPTION:

EVERFLASH ECOMP KIT INSTALLATION

REVISION	DATE	DESCRIPTION	DRAWN BY	Pi
Α	01/11/2022	INITIAL RELEASE	R.ESTRADA	
В	05/10/2022			
С	07/07/2022			

Project: