



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

Unirac, Inc.
1411 Broadway Blvd. NE
Albuquerque, NM 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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: NXT Stronghold Butyl Aluminum-Stainless Steel Solar Mounts

APPROVAL DOCUMENT: Drawing No. **M-D NOA NXT**, titled "NXT Stronghold Butyl Attachment", sheets 1 through 5 of 5, prepared by Unirac, Inc, dated 04/05/2023, with revision E dated 11/12/2025, signed and sealed by Saddam Ahmad, 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.

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 # **24-0129.06** 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.**



12/08/25

NOA No: 25-1120.02
Expiration Date: July 13, 2028
Approval Date: December 18, 2025
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under NOA # 23-0314.06, 23-1010.11 and new

A. DRAWINGS

1. Drawing No. **M-D NOA NXT**, titled “NXT Stronghold Butyl Attachment”, sheets 1 through 5 of 5, prepared by Unirac, Inc, dated 04/05/2023, with revision E dated 11/12/2025, signed and sealed by Saddam Ahmad, P.E.

B. TESTS “Submitted under NOA # 23-0314.06”

1. Test report on Uplift and Shear Allowable Loads of the NXT Stronghold Butyl Solar Mount per ASTM D7147-11, prepared by Intertek, Test Report No. **P8089.01-119-18 R0**, dated 03/29/2023, signed and sealed by Tanya A. Dolby, P.E.
2. Test report on Wind Driven Rain Resistance of the NXT Stronghold Butyl Solar Mount per TAS 100(A)-95, prepared by Intertek, Test Report No. **P8558.01-119-18**, dated 03/15/2023, signed and sealed by Tanya A. Dolby, P.E.

C. CALCULATIONS “Submitted under NOA # 23-0314.06”

1. Drawing anchor calculations, prepared by Saddam Ahmad, dated 06/19/2023, signed and sealed by Saddam Ahmad, 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 # 23-1010.11”

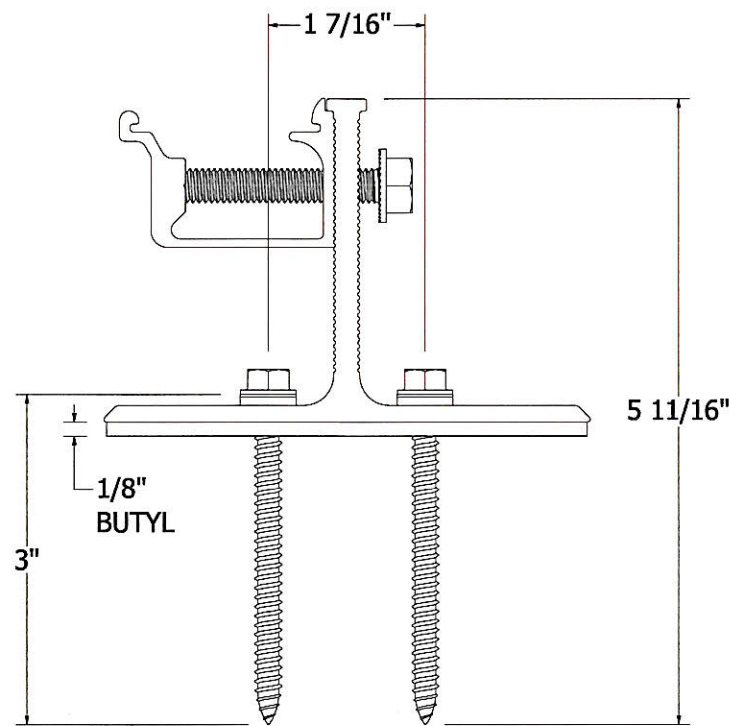
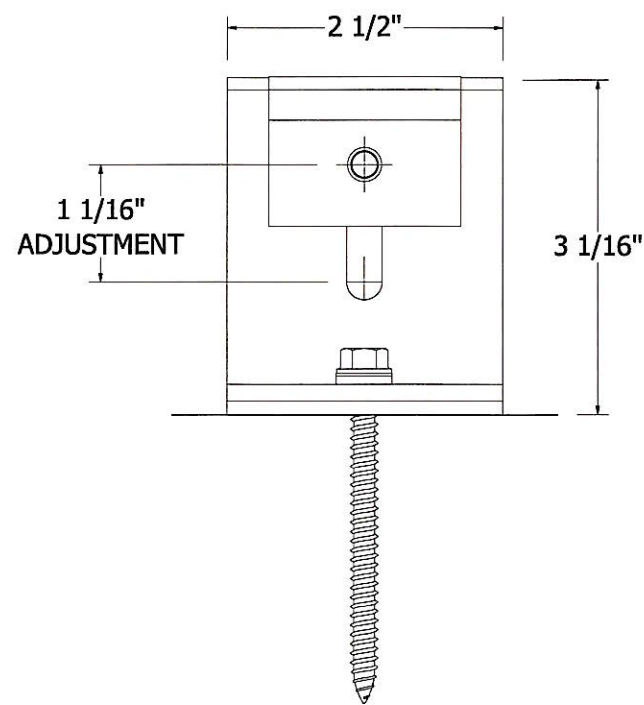
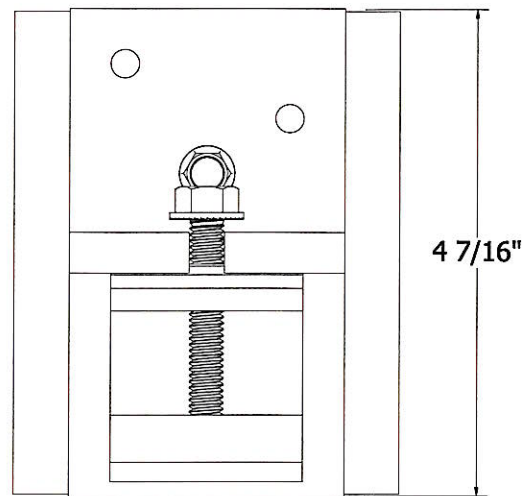
1. Statement letter of code conformance to the 8th edition (2023) of the FBC and of no financial interest, issued by Engineering Alliance, Inc., dated 01/24/2024, signed and sealed by Saddam Ahmad, P.E.

“Submitted under NOA # 23-0314.06”

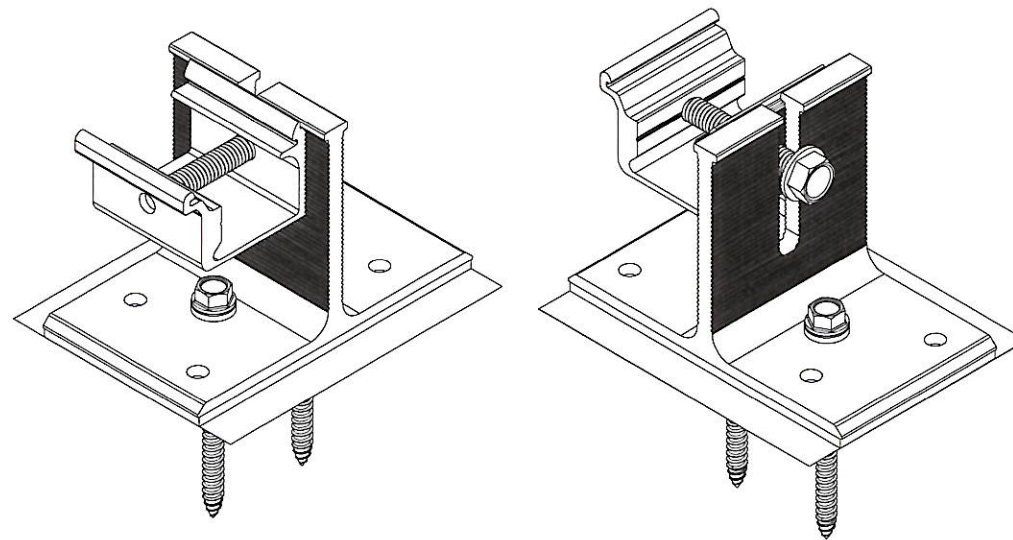
2. Statement letter of code conformance to the 7th edition (2020) of the FBC and of no financial interest, issued by Engineering Alliance, Inc., dated 07/03/2023, signed and sealed by Saddam Ahmad, P.E.



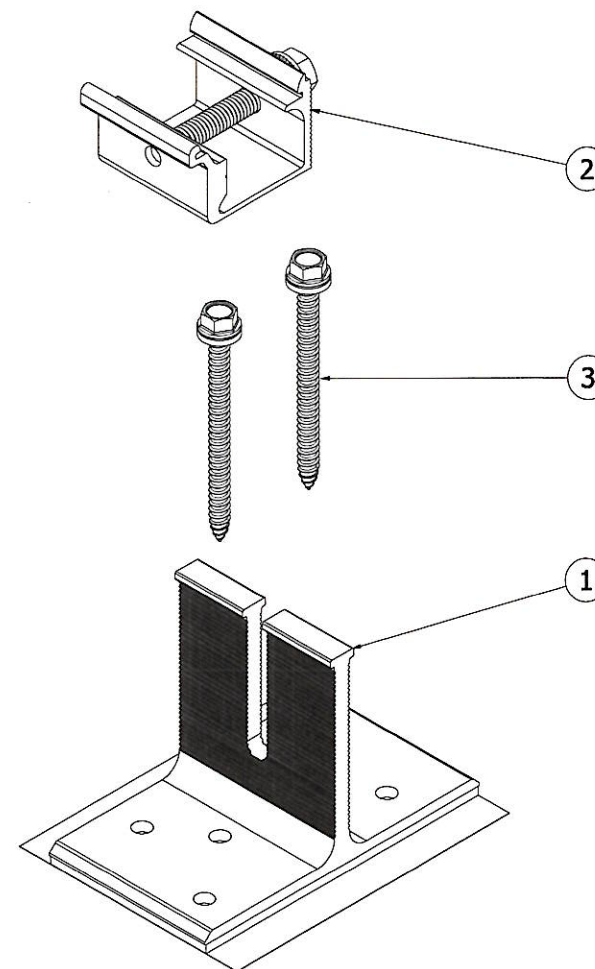
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No: 25-1120.02
Expiration Date: July 13, 2028
Approval Date: December 18, 2025



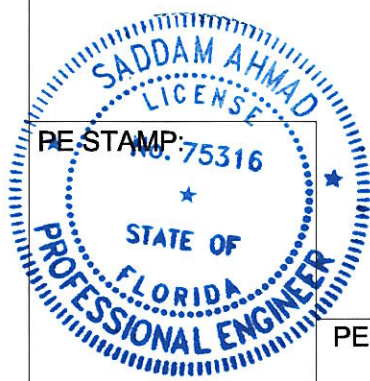
STRONGHOLD BUTYL ATTACHMENT



BUTYL ATTACHMENT ASSEMBLY



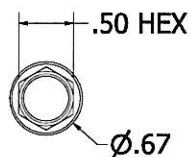
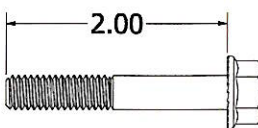
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 25-1120.02
Expiration Date 07/13/2028
By *[Signature]*
Miami-Dade Product Control



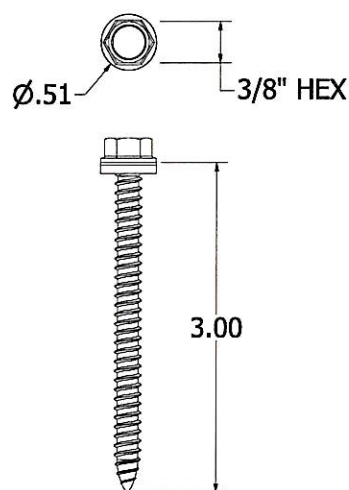
PE SIGNATURE: *[Signature]* PE DATE: 11/20/25

ASSEMBLY NUMBER - NAME	ITEM #	DESCRIPTION	MATERIAL	MINIMUM YIELD (KSI)	MINIMUM ULTIMATE (KSI)
SHBUTYLD2 SHBUTYLM2	1	DTD BUTYL ATT ASSEMBLY	CAST ALUMINUM A380	23	47
	2	RAIL CLAMP ASSEMBLY	18/8 STAINLESS STEEL	N/A	85
	3	HWHD EPDM ASSEMBLY, 3.0"	300 SERIES STAINLESS STEEL	N/A	70

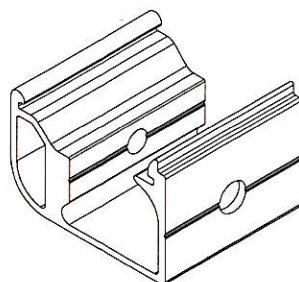
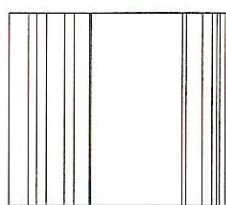
REVISIONS		CHK
REV	DATE	DESCRIPTION
A	4/05/23	INITIAL RELEASE
B	5/08/23	REVISED
C	6/13/23	REMOVED SHEETS 6 THRU 10
D	8/22/23	SHBUTYLD2, M2 WAS SBUTYLD1, M1
E	11/12/25	SHT 4 ADDED NXT HD RAIL
FOR MIAMI-DADE COUNTY		
PROJECT MIAMI-DADE CO. NOA		
PROJECT ADDRESS		
TITLE NXT STRONGHOLD BUTYL ATTACHMENT		
DWG NO. M-D NOA NXT		
SHEET 1 OF 5		



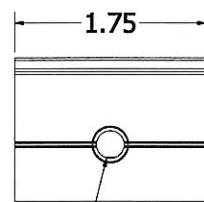
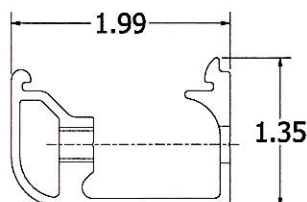
ITEM 4
HEX SERR FLG .31-18 X 2.0 IN SS



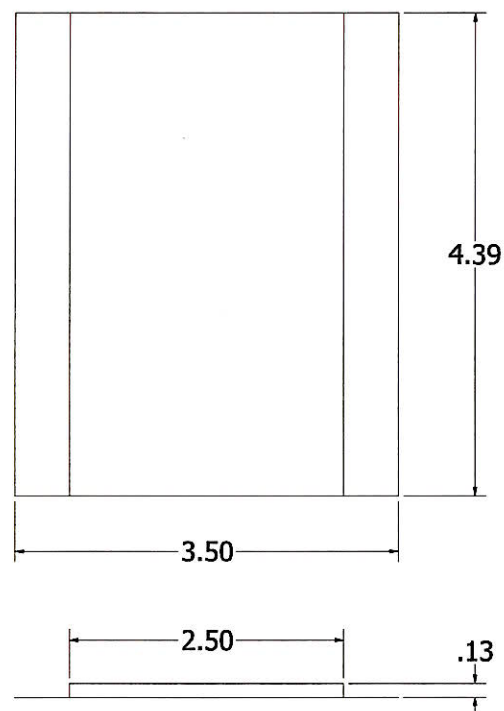
ITEM 5
HEX HD EPDM ASSEMBLY, 3.0"



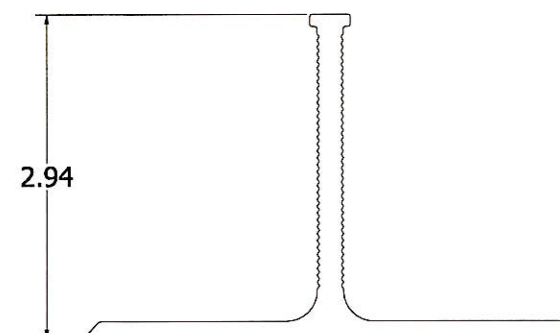
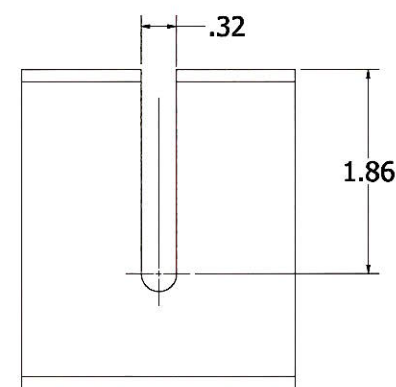
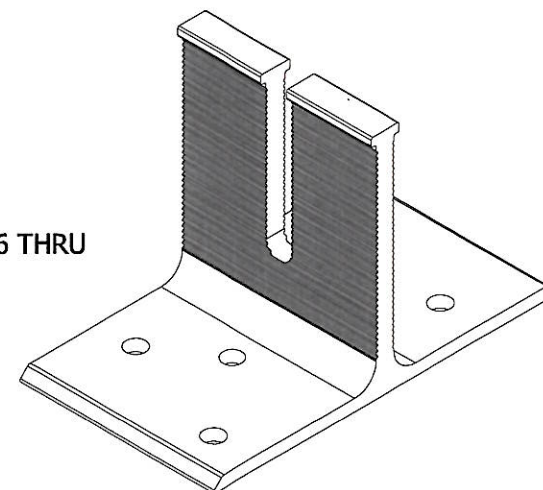
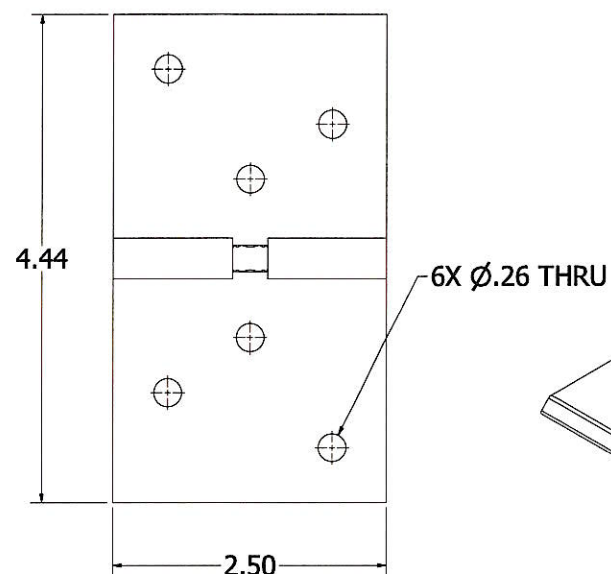
ITEM 3
RAIL CLAMP




5/16-18 TAP ∇ 1.56



ITEM 2
BUTYL MASTIC TAPE



ITEM 1
DTD BUTYL ATTACHMENT

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 25-1120.02
Expiration Date 07/13/2028
By 
Miami-Dade Product Control

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

REV	DATE	DESCRIPTION	CHK
A	4/05/23	INITIAL RELEASE	AB
B	5/08/23	REVISED	NM
C	6/13/23	REMOVED SHEETS 6 THRU 10	NM
D	8/22/23	SHBUTYLD2, M2 WAS SBUTYLD1, M1	NM
E	11/12/25	SHT 4 ADDED NXT HD RAIL	NM

FOR
MIAMI-DADE
COUNTY

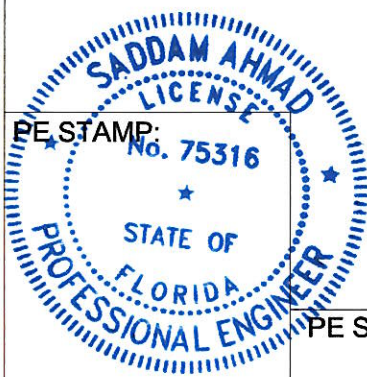
PROJECT
MIAMI-DADE CO.
NOA

PROJECT ADDRESS

TITLE
NXT
STRONGHOLD
BUTYL
ATTACHMENT

DWG NO.
M-D NOA NXT
SHEET 2 OF 5

ASSEMBLY NUMBER - NAME	ITEM #	DESCRIPTION	MATERIAL	MINIMUM YIELD (KSI)	MINIMUM ULTIMATE (KSI)
SHBUTYLM2; SHBUTYLD2;	1	DTD BUTYL ATTACHMENT	EXTRUDED ALUMINUM PER ASTM B221-08; 6005A-T61 OR 6061-T6	35	38
	2	BUTYL MASTIC TAPE	BUTYL MASTIC TAPE	NA	NA
	3	RAIL CLAMP	EXTRUDED ALUMINUM PER ASTM B221-08; 6005A-T61 OR 6061-T6	35	38
	4	BLT, SER FLN FT HEX SS, .31-18 X 2 IN	SS304	NA	85
	5	HEX HEAD EPDM ASSEMBLY, 2.5"	304 SS OR OTHER 18-8 SS AS APPROVED BY UNIRAC	NA	NA



PE SIGNATURE:  PE DATE: 11/20/25

LAG SCREW WITHDRAWAL AND LATERAL LOADS FROM NDS

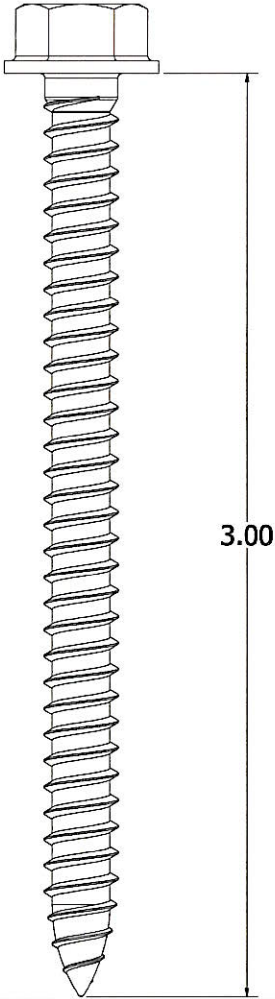
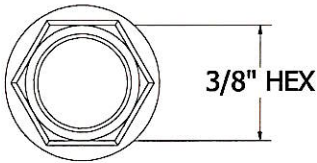
LOAD DURATION FACTOR (CD) = 1.6
WET SERVICE FACTOR (CM) = 1
TEMPERATURE FACTORS (CT) = 1.0
GROUP ACTION FACTOR (CG) = .97
GEOMETRY FACTOR (CA) =1
END GRAIN FACTOR (Ceg) = 1
DIAPHRAGM FACTOR (Cdi) = 1
TOE-NAIL FACTOR (Ctn) = 1
NUMBER OF FASTENER = 2

WITHDRAWAL LOADS

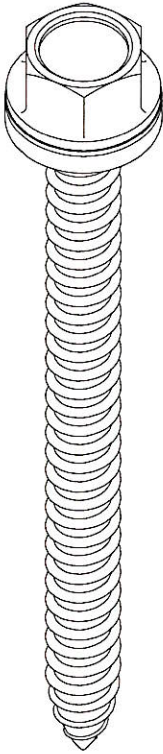
WITHDRAWAL DESIGN VALUE (W) = 208 LBS. PER INCH (FROM NDS TABLE 12.2B)
WITHDRAWAL LOADS W'=208X1X1.6X1X0.97X1X1.5X2 =968.44 LBS.

LATERAL LOADS

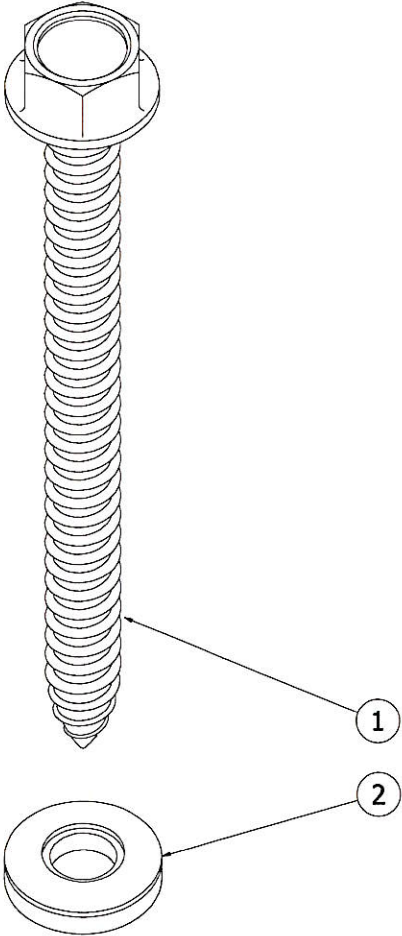
LATERAL DESIGN VALUE(Z) = 241 LBS. (FROM NDS TABLE 12M)
LATERAL LOADS Z'=241X1.6X1X0.97X1X1X2X1.5/2.5 =448.88 LBS.
*ASSUMED G=0.55 SOUTHERN PINE



ITEM 1
#14-14 SCREW



ITEM 5 FROM SHEET 6
HEX HD EPDM ASSEMBLY, 3.0"

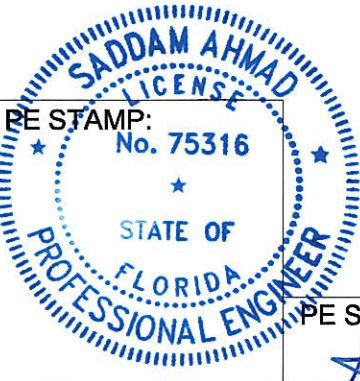


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	P28503028-02	#14-14 TYPE AB, HWH, SS
2	1	P28503027	#14 SS EPDM WASHER

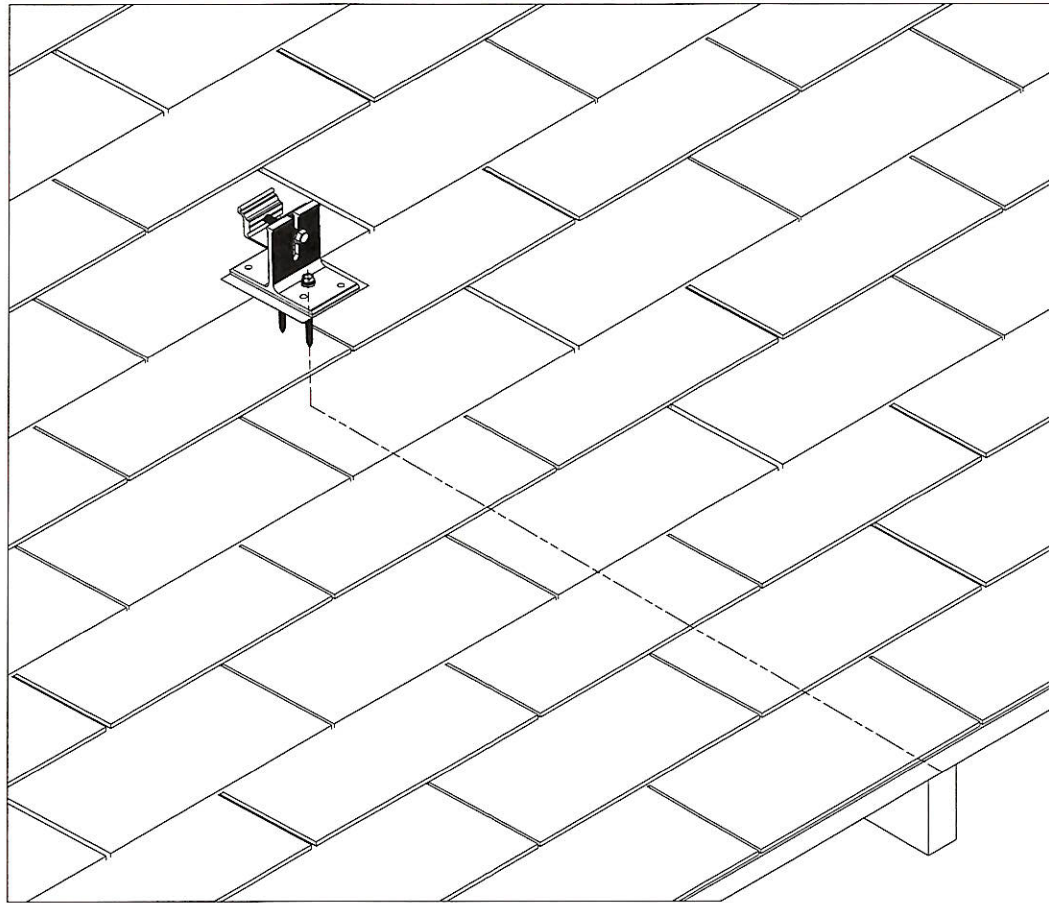
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 25-1120.02
Expiration Date 07/13/2028
By
Miami-Dade Product Control

REVISIONS		CHK
REV	DATE	DESCRIPTION
A	4/05/23	INITIAL RELEASE
B	5/08/23	REVISED
C	6/13/23	REMOVED SHEETS 6 THRU 10
D	8/22/23	SHBUTYLD2, M2 WAS SBUTYLD1, M1
E	11/12/25	SHT 4 ADDED NXT HD RAIL

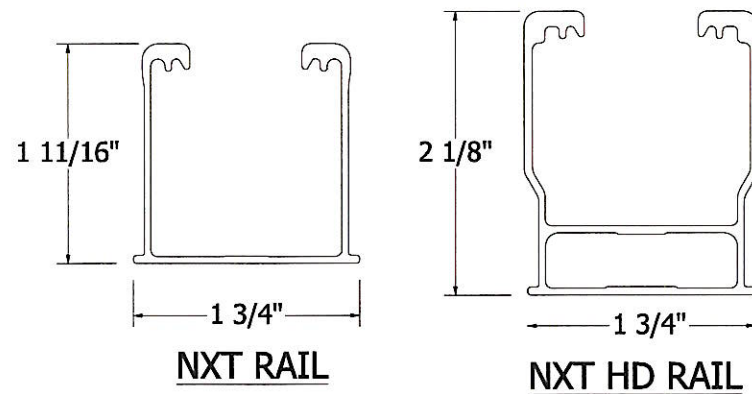
FOR
MIAMI-DADE COUNTY
PROJECT
MIAMI-DADE CO. NOA
PROJECT ADDRESS
TITLE
NXT STRONGHOLD BUTYL ATTACHMENT
DWG NO.
M-D NOA NXT
SHEET 3 OF 5



PE SIGNATURE:
PE DATE: 11/20/25



NXT STRONGHOLD BUTYL INSTALLATION
NOT TO SCALE



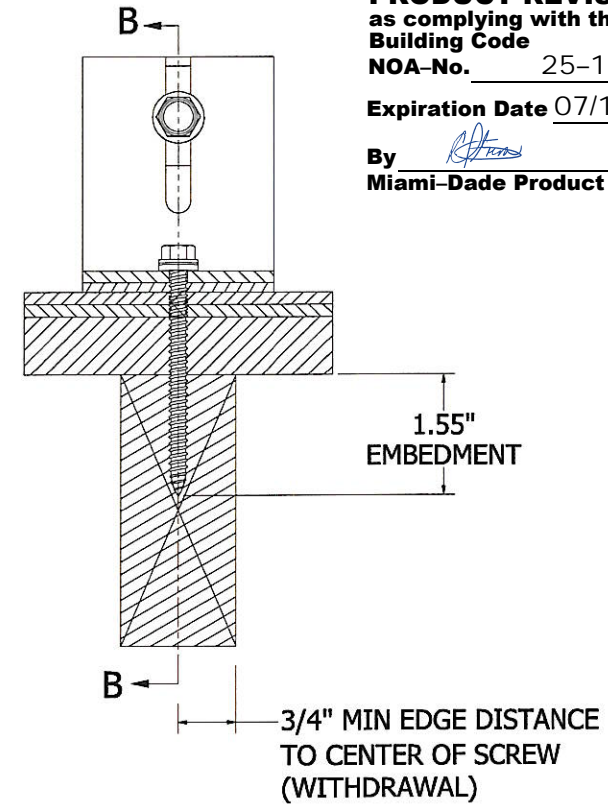
STRUCTURAL MEMBER SPECIFICATION:

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

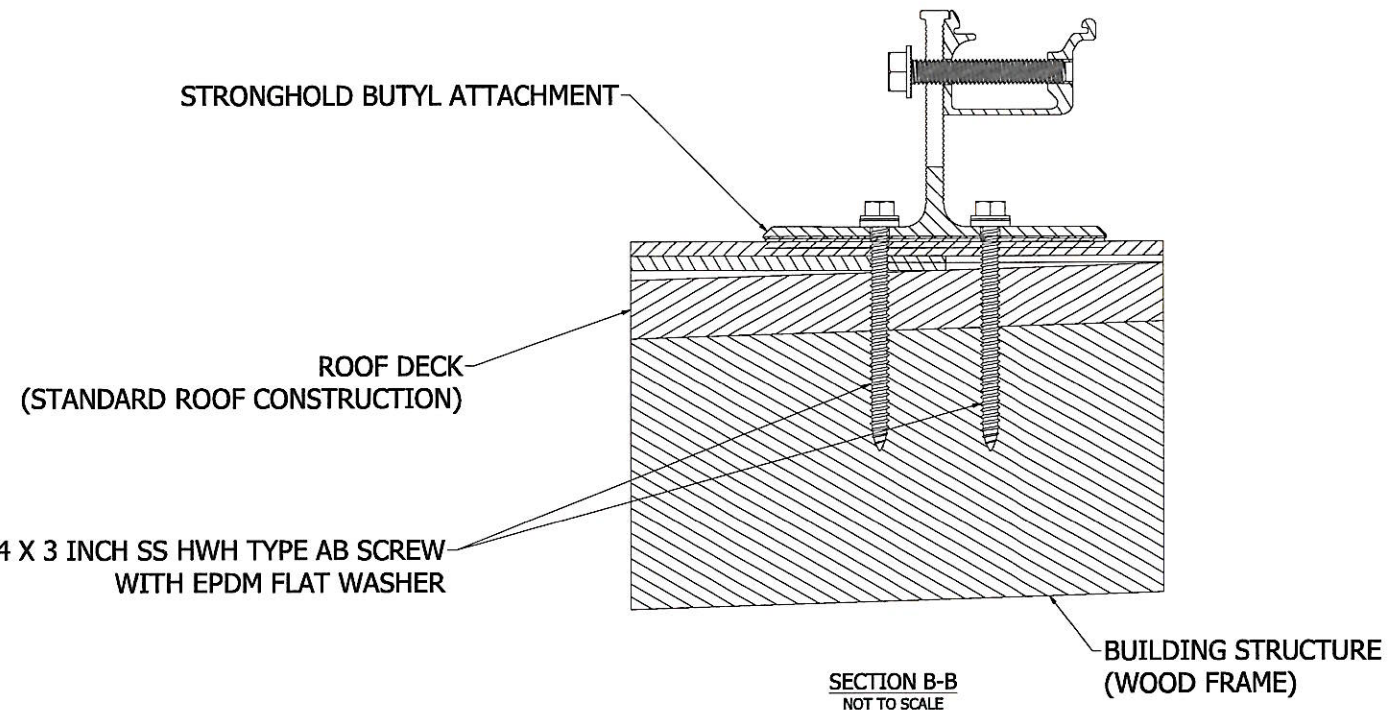
ALLOWABLE FASTENER UPLIFT = 907.33 lbs
ALLOWABLE FASTENER LATERAL = 273 lbs

MINIMUM FASTENER EDGE DISTANCE
= 0.75" IN RAFTER <2.5" WIDE
= 1.25" IN RAFTER >2.5" WIDE

MINIMUM FASTENER END DISTANCE = 2.2"



SECTION STRONGHOLD BUTYL DETAIL
NOT TO SCALE



PRODUCT REVISED
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Expiration Date 07/13/2028
By *[Signature]*
Miami-Dade Product Control

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

REVISIONS		CHK
REV	DESCRIPTION	
A	INITIAL RELEASE	AB
B	REVISED	NM
C	REMOVED SHEETS 6 THRU 10	NM
D	SHBUTYLD2, M2 WAS SBUTYLD1, M1	NM
E	SHT 4 ADDED NXT HD RAIL	NM

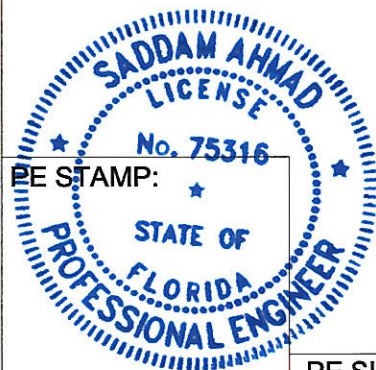
FOR
MIAMI-DADE
COUNTY

PROJECT
MIAMI-DADE CO.
NOA

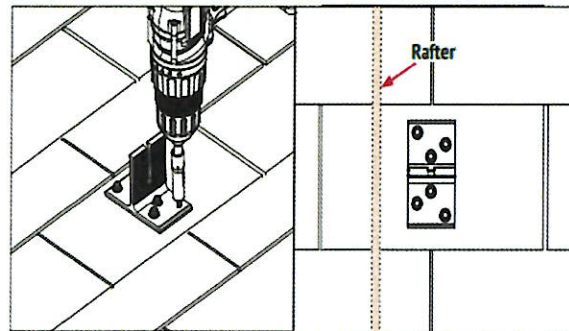
PROJECT ADDRESS

TITLE
NXT
STRONGHOLD
BUTYL
ATTACHMENT

DWG NO.
M-D NOA NXT
SHEET 4 OF 5

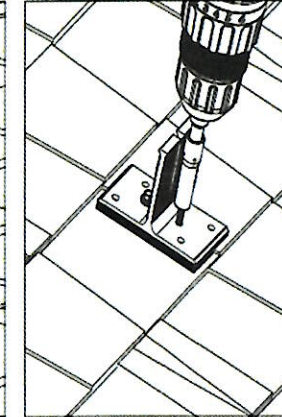


PE SIGNATURE: *[Signature]* PE DATE: 11/20/25

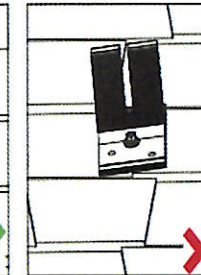


Do not over-torque the structural screw.
When proper torque is applied, the EPDM washer should slightly expand out from the sides as shown in the image.

1. Allowable attachment spans may change for direct-to-deck applications.
2. Unirac recommended spans are only valid with Unirac supplied screws.



Installing attachment on uneven surfaces, shingle gaps or overlaps, creates a risk for water leakage and rail clamp misalignment due to gap created between the adhesive and roof surface.



PE DATE:

11/20/25

By 
Miami-Dade Product Control

REVISIONS			CHK
REV	DATE	DESCRIPTION	
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FOR
MIAMI-DADE
COUNTY

PROJECT
MIAMI-DADE CO.
NOA

PROJECT ADDRESS

TITLE
NXT
STRONGHOLD
BUTYL
ATTACHMENT

DWG NO.
M-D NOA NXT
SHEET 5 OF 5



UNIRAC®

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ALBUQUERQUE, NM, USA, 87102
WWW.UNIRAC.COM