



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

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
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[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**NOTICE OF ACCEPTANCE (NOA)**

**Allied Building Products Corp. dba TRI-BUILT Materials Group**  
**15 East Union Avenue**  
**East Rutherford, NJ 07073**

**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 of the Florida Building Code.

**DESCRIPTION: Tri- Built Fasteners**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and 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 consists of pages 1 through 7.

The submitted documentation was reviewed by *Freddy Semino* 




NOA No.: 17-0306.03  
Expiration Date: 09/27/22  
Approval Date: 12/14/17  
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## ROOFING COMPONENT APPROVAL

**Category:** Roofing  
**Sub-Category:** Roofing Fasteners  
**Material:** Steel

### MANUFACTURING LOCATIONS:

1. Addison, IL.
2. Agawam, MA

### TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

#### FASTENERS:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
<b>Standard Fastener</b> <i>Manufacturing Location # 1,2</i>	#12 x 8" max. Length, #3 Phillips head.	TAS 114 TAS 117	Phillips head, modified buttress thread, carbon steel fastener for use in steel or wood decks. With CR-10 coating. Available with a pinch point or drill point.
<b>Heavy Duty Fastener</b> <i>Manufacturing Location # 2</i>	#14 x 16" max. length; #3 Phillips head	TAS 114 TAS 117	Truss head, self-drilling, pinch point, high thread fastener for use in wood, steel or concrete decks.
<b>XHD Fastener</b> <i>Manufacturing Location # 1, 2</i>	#15 x 16" max. length; #3 Phillips head	TAS 114 TAS 117	Truss head, self-drilling, drill point, high thread fastener for use in wood or steel decks.

#### PLATES:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
<b>Insulation Plate</b> <i>Manufacturing Location # 2</i>	3" round	TAS 114	Round galvalume plated steel stress plate with reinforcing ribs for use with Tri-Built fasteners.
<b>Barbed Seam Plate</b> <i>Manufacturing Location # 2</i>	2" round	TAS 114 TAS 117	Round galvanized steel stress plates for use with Tri-Built fasteners.

#### PRE-ASSEMBLED SYSTEMS:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
<b>#12 ASAP</b> <i>Manufacturing Location: See components above</i>	See components above	TAS 114	Pre-assembled Standard Fastener, Heavy Duty Fastener and XHD Fasteners with approved plates.



**EVIDENCE SUBMITTED:**

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
FM Approvals	FM 4450	797-03187-267	10/11/07
	FM 4470	3051348	01/02/14
	FM 4470	3051348-Re-Issue 1	01/13/14
	FM 4470	3061623 letter	06/11/17
Trinity   ERD	TAS 117(A), (B) & (C)	O8050.04.08-R2	09/04/13



**TYPICAL PHYSICAL PROPERTIES:**

Note: A 2 to 1 margin of safety has been applied to test results producing the design values noted herein.

**Concrete Deck**

<u>Product</u>	<u>Min. psi</u>	<u>Property(s) Tested</u>	<u>Test</u>	<u>Min. Embedment/ Penetration</u>	<u>Typical Results (lbf)</u>
Heavy Duty Fastener	3,000	Static Load	TAS 117(A)	1”	798.0
		Pulsating Load			578.0

**Steel Deck**

<u>Product</u>	<u>Deck Thickness</u>	<u>Property(s) Tested</u>	<u>Test</u>	<u>Min. Embedment/ Penetration</u>	<u>Typical Results (lbf)</u>
Standard Fastener	22 ga.	Static Load	TAS 117(A)	N/A	187.5
		Pulsating Load			106.5
Heavy Duty Fastener	22 ga.	Static Load	TAS 117(A)	¾”	151.5
		Pulsating Load			136.5
XHD Fastener	22 ga.	Static Load	TAS 117(A)	N/A	264.45
		Pulsating Load			124.0

**Plywood Deck**

<u>Product</u>	<u>Deck Thickness</u>	<u>Property(s) Tested</u>	<u>Test</u>	<u>Min. Embedment/ Penetration</u>	<u>Typical Results (lbf)</u>
Heavy Duty Fastener	Min. 15/32”	Static Load	TAS 117(A)	¾”	137.5
		Pulsating Load			133.0
XHD Fastener	Min. 19/32”	Static Load	TAS 117(A)	N/A	290.85
		Pulsating Load			150.0



**Single Ply Lap Rupture Performance – TAS 117(B)**

<b><u>Tri-Built Product</u></b>	<b><u>Manufacturer</u></b>	<b><u>Base Sheet</u></b>	<b><u>Typical Results (lbf)</u></b>
Barbed Seam Plate	Seaman	FiberTite	189.5
	JPS	Hi-Tuff	186.5
	BondCote	350 Series	106.5
	Sarnafil	S327	204.5
	GenFlex	GenFlex RM	205.0
	Durolast	Durolast 35 mil	149.5

**Note: The physical properties listed above are presented at typical average values as determined by accepted ASTM test methods and are subject to normal manufacturing variation.**

**\* A 2 to 1 margin of safety has been applied to test results providing the above noted design values.**



## APPROVED APPLICATIONS:

**Tradename:** **Standard Fastener**  
Compatible Plate(s): Insulation Plate, and proprietary seam and fastening assembly plates listed in the specific Roof Assembly, Product Control Approval (NOA).  
Insulation Types: Polyisocyanurate, Perlite, Fesco board, High Density Wood Fiber, Fiberglass, Perlite/Urethane Composite, with current NOA.  
Application: Mechanical attachment of roof insulation and membrane fastening assemblies. See specific Roof Assembly, Product Control Approval (NOA) for fastener density and approved attachment patterns.  
Deck: 18-22 ga. steel, wood, min. 19/32" plywood or wood plank

**Tradename:** **Heavy Duty Fastener**  
Compatible Plate(s): Insulation Plate, and proprietary seam and fastening assembly plates listed in the specific Roof Assembly Notice of Acceptance.  
Application: Mechanical attachment of roof insulation and membrane. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.  
Deck: 18-22 ga. steel, wood, min. 15/32" plywood or wood plank, 3000 psi concrete or concrete plank

**Tradename:** **XHD Fastener**  
Compatible Plate(s): Insulation Plate, and proprietary seam and fastening assembly plates listed in the specific Roof Assembly Notice of Acceptance.  
Application: Mechanical attachment of roof insulation and membrane. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.  
Deck: 18-22 ga. steel, wood, min. 19/32" plywood or wood plank, 3000 psi concrete or concrete plank



## GENERAL LIMITATIONS:

1. Tri-Built fasteners are a component part of a Miami-Dade Approved Roof Assembly. These products are approved for use only with those roof assemblies listing these products as an approved component. Refer to an approved Roof Assemblies Notices of Acceptance for use, density and attachment patterns.
2. Only those specific fasteners listed in this approval shall be utilized in Approved Roof Assemblies Notice of Acceptance.
3. Fasteners shall be installed in strict compliance with manufacturer's installation instructions, and in compliance with the requirements set forth in Roofing Application Standard RAS 111, 117 & 137.
4. Care shall be taken not to puncture or tear the base sheet or insulation facer during fastener installation. Application recommendations are noted in Roofing Application Standard RAS 117.
5. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida Registered Professional Engineer, Registered Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117 or RAS 137.
6. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf., insulation attachment shall not be acceptable.
7. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule **61G20-3** of the Florida Administrative Code.
8. All approved products listed herein shall be labeled and shall bear the imprint or identifiable marking of the manufacturer's name or logo, city and state of manufacturing facility, and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.



**END OF THIS ACCEPTANCE**



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