



**BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908**

**NOTICE OF ACCEPTANCE (NOA)**

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**Olympic Mfg. Group  
153 Bowles Rd.  
Agawam, MA 01001**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: Roofing Fastener and Fastener Assemblies**

**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 consists of pages 1 through 7.

The submitted documentation was reviewed by Frank Zuloaga, RRC



**NOA No 03-0306.06  
Expiration Date: 08/21/08  
Approval Date: 07/24/03  
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## ROOFING ASSEMBLY APPROVAL

**Category:** Roofing  
**Sub-Category:** Fasteners

**Materials:** Steel  
**Maximum Design Pressure** N/A

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

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Olympic Standard	#12 x 8" max. length; #3 phillip head	PA 114	Truss head, self-drilling, pinch point, high thread fastener for steel use in wood or steel decks.
Olympic Heavy Duty	#14 x 16" max. length; #3 phillips head	PA 114	Truss head, self-drilling, pinch point, high thread fastener for steel use in wood, steel or concrete decks.
CD-10	0.214" min. dia. x 12" max. length; wafer head	PA 114	Carbon steel expansion fastener for insulation attachment in structural concrete decks.
Fluted Nail	0.212" to 0.225" dia. x 12" max. length; octagonal head	PA 114	Galvanized spiral shanked nail, for insulation attachment in structural concrete decks.
Lite-Deck Fastener	0.240" to 0.375" x 12" max. length; #3 phillip flat head	PA 114	Carbon steel fastener for insulation attachment in gypsum and cementitious wood fiber decks.
NTB-1H	0.75" thread dia. x 1" dia. head x 8" max. length with double 0.375" hex recess	PA 114	One piece, glass reinforced nylon fastener for use in gypsum and cementitious wood fiber decks. Available with two internal galvanized wires and plastic anti-back out plunger.
NTB-2H	0.75" thread dia. x 2" dia. head x 8" max. length with double 0.375" hex recess	PA 114	One piece, glass reinforced nylon fastener for use in gypsum and cementitious wood fiber decks. Available with two internal galvanized wires and plastic anti-back out plunger.
Olympic Strap Toggle	1/4" dia. x 24" max. length bolt; 2" wide toggle	PA 114	Metal spring loaded toggle bolt with a plastic locking strap for use in wood, steel or gypsum decks.
Olympic Purlin Fastener	#12 x max. 8 3/4"	PA 114	Polymer coated carbon steel screw for steel purlin attachment.
Olympic Standard	3" round	PA 114	Round galvanized steel stress plate for use with Olympic fasteners.
Olympic Plastic	3" round	PA 114	Round high density polypropylene stress plate for use with Olympic fasteners.
Olympic 2" Barbed	2" round	PA 114	Round galvanized steel stress plates for use with Olympic fasteners.
Lite-Deck Plate	3" round	PA 114	Round, AZ-55 galvalume plate for use with Lite-Deck Fasteners.



**EVIDENCE SUBMITTED:**

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
Factory Mutual Research Corporation	Letter	J.I. 0T0A5.AM	09/28/90
Factory Mutual Research Corporation	Pull Out/Sheer Data	J.I. 0M3A6.AM	07/31/85
Factory Mutual Research Corporation	Pull Out/Shear Data	J.I. 1T2A6.AM	02/22/93
Factory Mutual Research Corporation	Wind Uplift	J.I. 1Y5A4.AM	07/19/94
Factory Mutual Research Corporation	Corrosion & Comparative Pull-Out (FMRC 4450)		
Pittsburgh Testing Laboratory	Tensile/Sheer Data	No. MA 4907 Lab # 2386	01/13/83
Pittsburgh Testing Laboratory	Pull Out	No. MA 4907 Lab # 9098	04/24/85
Exterior Research & Design, LLC.	PA 117(A), (B) & (C)	Test Report #4251.08.96-1	08/01/96

**TYPICAL PROPERTIES:**

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

<b>Withdrawal Resistance Performance - PA 117(A) - Static Load</b>			
<b>Fastener</b>	<b>Deck Type</b>	<b>min. Penetration / Embedment</b>	<b>Static Withdrawal Resistance (lbf)</b>
Olympic Standard	min. 15/32" plywood	1/2"	138.5
	min. 22 ga. grade A steel	1/2"	173.0
Olympic Heavy Duty	min. 15/32" plywood	1/2"	137.5
	min. 22 ga. grade A steel	1/2"	151.5
	min. 3,000 psi concrete	1"	798.0
Olympic CD-10	min. 3,000 concrete	1"	533.0
Olympic Fluted Nail	min. 3,000 concrete	1"	537.0
NTB-1H with locking wire barbs	cementitious wood fiber	1.5"	140.5
	poured gypsum	1.5"	259.0
Lite Deck Fastener	cementitious wood fiber	2"	122.0
	poured gypsum	2"	341.5
Olympic Purlin Fastener	min. 18 ga.	1/2"	231.0
	3/16" steel purlin	1/2"	1536.0



<b>Withdrawal Resistance Performance - PA 117(A) - Pulsating Load</b>			
<b>Fastener</b>	<b>Deck Type</b>	<b>min. Penetration / Embedment</b>	<b>Pulsating Withdrawal Resistance (lbf)</b>
Olympic Standard	min. 15/32" plywood	1/2"	135.0
	min. 22 ga. grade A steel	1/2"	146.5
Olympic Heavy Duty	min. 15/32" plywood	1/2"	133.0
	min. 22 ga. grade A steel	1/2"	136.5
	min. 3,000 psi concrete	1"	578.0
Olympic CD-10	min. 3,000 concrete	1"	410.0
Olympic Fluted Nail	min. 3,000 concrete	1"	466.5
CR Base Sheet Fastener	min. 200 psi cellular lightweight concrete	n/a	28 day cure: 48.0
CR 1.2 Base Sheet Fastener	min. 200 psi cellular lightweight concrete	n/a	28 day cure: 38.5
	poured gypsum	n/a	65.0
NTB-1H with locking wire barbs	cementitious wood fiber	1.5"	106.0
	poured gypsum	1.5"	257.0
Lite Deck Fastener	cementitious wood fiber	2"	115.5
	poured gypsum	2"	300.0

<b>Base Sheet Rupture Performance - PA 117(B) 3" Lite-Deck Plate, 3" Standard and 3" NTB Plate</b>					
<b>Manufacturer</b>	<b>Base Sheet</b>	<b>Rupture Value (lbf)</b>	<b>Manufacturer</b>	<b>Base Sheet</b>	<b>Rupture Value (lbf)</b>
Honeywell	Glass Fiber Base Sheet	63.0	John Manville	PermaPly 28	71.0
	Premium Glass Fiber Felt	89.0		PermaPly-R	131.5
	Vented Base Sheet	66.0		Dynabase	84.0
Celotex	Channel Vent GB	59.0		Glasbase	65.0
	Vaporbar GB	65.0		Ventsulation	65.5
GAF	GAFGLAS #75	70.5		GlasPly Premier	97.5
	Stratavent	67.0	SOPREMA	Sopra-G	64.0
	GAFGLAS Ply 4	62.0		Modified Sopra-G	60.0
	Ruberoid Base	90.0		Sopraglass 100	98.0



GS Roofing	Flex-I-Glas Base	62.5		Sopravent	61.5
	PolySMS	125.0	Tamko	Glass-Base	86.5
Siplast	Parabase	93.5		Vapor-Chan	73.5
	Parabase Plus	77.5	Tremco	BURMastic Glass Ply	53.5
Malarkey	#501	53.5		BURMastic Composite Ply	112.0
	#601	72.0	US Intec	Ultrabase	55.0

<b>Single Ply Lap Rupture Performance - PA 117(B) - 2" Galvalume Plate with Barbs</b>					
<b>Manufacturer</b>	<b>Membrane</b>	<b>Rupture Value (lbf)</b>	<b>Manufacturer</b>	<b>Membrane</b>	<b>Rupture Value (lbf)</b>
Seaman	FiberTite	189.5	Sarnafil	S327	204.5
JPS	Hi-Tuff	186.5	GenFlex	GenFlex RM	205.0
BondCote	350 Series	106.5	Durolast	Durolast 35 mil	149.5

**APPROVED APPLICATIONS:**

**Tradename:** **Olympic Standard**  
 Compatible Plate(s): 3" metal or plastic plate, and proprietary seam and fastening assembly plates listed in the specific Roof Assembly Notice of Acceptance.  
 Insulation Types: Extruded Polystyrene, Glass Fiber, Cellular Glass, Wood Fiber, Perlite, Polyisocyanurate, Composite, rockwool.  
 Application: Mechanical attachment of roof insulation and membrane. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns

**Tradename:** **Olympic Standard**  
 Compatible Plate(s): 3" metal or plastic plate, and proprietary seam and fastening assembly plates listed in the specific Roof Assembly Notice of Acceptance.  
 Insulation Types: Extruded Polystyrene, Glass Fiber, Cellular Glass, Wood Fiber, Perlite, Polyisocyanurate, Composite, rockwool.  
 Application: Mechanical attachment of roof insulation and membrane. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns

**Tradename:** **Olympic Heavy Duty**  
 Compatible Plate(s): 3" metal or plastic 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, 2500 psi concrete or concrete plank

**Tradename:** **CD-10 or Fluted Nail**  
 Compatible Plate(s): 3" metal or plastic plate, and proprietary seam and fastening assembly plates



Application: listed in the specific Roof Assembly Notice of Acceptance.  
Mechanical attachment of roof insulation and membrane. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.

Deck: 2500 psi concrete or concrete plank

**Tradename:** **Lite-Deck Fastener**

Compatible Plate(s): 3" Lite-Deck Plate.

Application: Mechanical attachment of roof insulation. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.

Deck: Cementitious wood fiber or gypsum

**Tradename:** **NTB 1-H**

Compatible Plate(s): NTB Plate, Spin Weld Plate.

Application: Mechanical attachment of roof insulation. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.

Deck: Cementitious wood fiber or gypsum

**Tradename:** **NTB 2-H**

Compatible Plate(s): NTB Plastic Plate.

Application: Mechanical attachment of roof insulation. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.

Deck: Cementitious wood fiber or gypsum

**Tradename:** **Olympic Strap Toggle**

Compatible Plate(s): 3" metal or plastic plate.

Application: Mechanical attachment of roof insulation. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.

Deck: 18-22 ga. steel, wood, min.  $\frac{19}{32}$ " plywood or wood plank, gypsum

**Tradename:** **Olympic Purlin Fastener**

Compatible Plate(s): 2" Barbed Plates, ASAP, Olympic Plastic, Olympic Standard, Olympic G-2, and proprietary seam and fastening assembly plates listed in the specific Roof Assembly Notice of Acceptance.

Application: Mechanical attachment of roof insulation. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.

Deck: 18-22 ga. steel, wood, min.  $\frac{19}{32}$ " plywood or wood plank, gypsum



**GENERAL LIMITATIONS:**

1. Refer to 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.
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 11
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.

**END OF THIS ACCEPTANCE**



**NOA No 03-0306.06**  
**Expiration Date: 08/21/08**  
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