MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
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MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

NOTICE OF ACCEPTANCE (NOA)

GAF Material Corporation
1361 Alps Road
Wayne, NJ 07470

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 the BCCO and accepted by the Building Code and Product Review Committee 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 BCCO (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. BCCO reserves the right to revoke this acceptance, if it is determined by BCCO 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: GAF Conventional Built-Up-Roof System over Recover Decks.

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 renews NOA #00-0403.05 and consists of pages 1 through 16.
The submitted documentation was reviewed by Frank Zuloaga, RRC.

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	BUR
Deck Type:	Recover
Maximum Design Pressure	-60 psf
Fire Classification:	See General Limitation #1

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
GAF Asphalt Concrete Primer (Matrix™ 307 Primer)	5, 55 gallons	ASTM D 41	Asphalt concrete primer used to promote adhesion of asphalt in built-up roofing.
GAF Mineral Shield® Granules	60 lb. & 100 lb bags	ASTM D 1863	Granules for surfacing of exposed asphalt, cold process cement or emulsion. GAF Mineral Shield® Granules shall be used for flashing applications only.
GAF WeatherCoat® Emulsion (Matrix™ Fibered 305 Emulsion)	5 gallons	ASTM 1227	Surface coating for smooth surfaced roofs.
GAF Premium Fibered Aluminum Roof Coating (Matrix™ System Pro Aluminum Roof Coating Fibered 301)	1, 5 gallons	ASTM D 2824	Fibered aluminum coating.
GAF Jetblak All Weather Plastic Cement (Matrix™ Standard Wet/Dry Roof Cement 204)	1, 5 gallons	ASTM D 3019 ASTM D 3409	Refined asphalt blended with a mineral stabilizer and fibers. Permits adhesion to wet and dry surfaces.
GAF Aluminum Emulsion	5 gallons		Mineral colloidial bituminous emulsion with reflective aluminum flakes.
GAF Aluminum Roof Paint (Matrix™ System Pro Aluminum Roof Coating Fibered 302)	5 gallons	ASTM D2824, Type I	Non-fibered. aluminum pigmented, asphalt roof coating.
GAF Built-Up Roofing Asphalt	100 lb. cartons, bulk	ASTM D312, Tpyes I, II, III and IV1	Interply mopping and surfacing asphalt
GAFGLAS® #75	39.37" (1 meter) Wide	ASTM D 4601	Asphalt impregnated and coated glass mat base sheet.

Product	Dimensions	Test Specification	Product Description
GAFGLAS #80 Ultima™ Base Sheet	39.37" (1 meter) Wide	ASTM D4601	Asphalt impregnated and coated, fiberglass base sheet.
GAFGLAS FlexPly™ 6	39.37" (1 meter) Wide	ASTM D 2178	Type VI asphalt impregnated glass felt with asphalt coating.
GAFGLAS Ply 4®	39.37" (1 meter) Wide	ASTM D 2178	Type IV asphalt impregnated glass felt with asphalt coating.
GAFGLAS® Mineral Surfaced Cap Sheet	39.37" (1 meter) Wide	ASTM D 3909	Asphalt coated, glass fiber mat cap sheet surfaced with mineral granules.
GAFGLAS® STRATAVENT® Eliminator Perforated	39.37" (1 meter) Wide	ASTM D3672 ASTM D 4897	Fiberglass base sheet coated on both sides with asphalt. Surfaced on the bottom side with mineral granules embedded in asphaltic coating with factory perforations.
GAFGLAS® Flashing	various		Asphalt coated glass fiber mat flashing sheet available in three sizes.
GAFGLAS® STRATAVENT® Eliminator Perforated Nailable	39.37" (1 meter) Wide	ASTM D3672 ASTM D 4897	Fiberglass base sheet coated on both sides with asphalt. Surfaced on the bottom side with mineral granules embedded in asphaltic coating.
RUBEROID MOP Smooth	39.37" (1 meter) Wide	ASTM D5147 ASTM D6298	Non-woven polyester mat coated with polymer modified asphalt. Does not have a factory applied surfacing.
RUBEROID ULTRACLAD® SBS	1 sq. roll 101 lb.	ASTM D5147	Woven fiberglass mat coated with polymer modified asphalt and surfaced with aluminum, copper or stainless steel foil.
RUBEROID MOD Asphalt, Asphalt L & Asphalt P	60 lb. kegs		SEBS modified asphalt
RUBEROID® Modified Base Sheet	39.37" (1 meter) Wide	ASTM D4601 Type II, Type G2 BUR	Premium glass fiber reinforced SBS-modified base sheet.
Ruberoid® Mop Granule	39.37" (1 meter) Wide	ASTM D 6222 ASTM D 5147	Non-woven polyester mat coated with polymer modified asphalt and surfaced with mineral granules.
Ruberoid® Torch Smooth	39.37" (1 meter) Wide	ASTM D 5147	Heavy duty, polyester reinforced, asphalt modified bitumen membrane.
Ruberoid® Torch Plus (Granule)	39.37" (1 meter) Wide	ASTM D 6222 ASTM D 5147	Heavy duty, polyester reinforced, asphalt modified bitumen membrane.
Ruberoid® Torch Granule	39.37" (1 meter) Wide	ASTM D 6222 ASTM D 5147	Asphalt impregnated, coated felt, surfaced with mineral granules.
Ruberoid® Torch FR	39.37" (1 meter) Wide	ASTM D 6222 ASTM D 5147	Heavy duty, polyester reinforced, coated with fire retardant asphalt modified bitumen membrane, granule surface.

Product	Dimensions	Test Specification	Product Description
Ruberoid® Mop Plus (Granule)	39.37" (1 meter) Wide	ASTM D 6164 ASTM D 5147	Non-woven polyester mat coated with polymer modified asphalt and surfaced with mineral granules.
Ruberoid® Mop FR	39.37" (1 meter) Wide	ASTM D 6164 ASTM D 5147	Non-woven polyester mat coated with fire-retardant, polymer modified asphalt surfaced with mineral granules.
Ruberoid® 20	39.37" (1 meter) Wide	ASTM D 6163 ASTM D 5147	SBS modified asphalt base sheet reinforce with a glass fiber mat.
Ruberoid® 30	39.37" (1 meter) Wide	ASTM D 6163 ASTM D 5147	Non woven fiberglass mat coated with polymer modified asphalt and surfaced with mineral granules.
Ruberoid® 30 FR	39.37" (1 meter) Wide	ASTM D 6163 ASTM D 5147	Non woven fiberglass mat coated with fire retardant, polymer modified asphalt and surfaced with mineral granules.
Ruberoid® Mop 170 FR	39.37" (1 meter) Wide	ASTM D 6164 ASTM D 5147	Non-woven polyester mat coated with fire retardant polymer modified asphalt surfaced with mineral granules.
Vent Stacks (metal and plastic)		PA 100(A) ASTM D 1929 ASTM D 635	One way valve vent used to relieve built-up pressure within the roof system. GAF Vent Stacks are available in metal or plastic.

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
GAFTEMP Isotherm RA, RN & Composite	Polyisocyanurate foam insulation	GAF Materials Corp.
GAFTEMP® Composite A & N	Polyisocyanurate foam insulation with high density fiberboard or Permalite perlite insulation.	GAF Materials Corp.
(BMCA)GAFTEMP® Fiberboard	Fiberboard insulation.	GAF Materials Corp.
EnergyGuard Perlite	Perlite insulation board.	GAF Materials Corp.
EnergyGuard Recover Board	Perlite recover board	GAF Materials Corp.
EnergyGuard High Density Fiberboard	High density wood fiberboard insulation.	GAF Materials Corp.
PYROX	Polyisocyanurate foam insulation	Apache Products Co.
White Line	Polyisocyanurate foam insulation	Apache Products Co.
ACFoam I, & II	Polyisocyanurate foam insulation	Atlas Energy Products
ACFoam Composite	Polyisocyanurate/perlite composite insulation	Atlas Energy Products

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
ISO 95+	Polyisocyanurate foam insulation	Firestone Building Products, Inc.
ISO 95+ Composite	Polyisocyanurate / perlite ridged insulation	Firestone Building Products, Inc.
Wood Fiber	Wood fiber insulation board	generic
High Density Wood Fiberboard	Wood fiber insulation board	generic
Perlite Insulation	Perlite insulation board	generic
Pelite/Urethane Composite	Perlite / urethane composite board insulation	generic
Type X Gypsum	Fire resistant rated gypsum	generic
Dens Deck	Water resistant gypsum board	G-P Gypsum Corp.
ENRGY 2 & ENRGY 2 PLUS, UltraGard Gold	Polyisocyanurate foam insulation	Johns Manville
FiberGlass Roof Insulation	Glass fiber/Mineral fiber insulation	Johns Manville
ISORoc	Polyisocyanurate foam / rockwool composite insulation	Johns Manville
Structodek	Wood fiber insulation board	Masonite.
Paroc Base Board, Paroc Cap Board	Rockwool insulation.	Partek, Inc.
Multi-Max, FA	Polyisocyanurate roof insulation	RMax, Inc.

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	GAFTITE® (Drill-Tec®) #12, #14 Heavy Duty Roofing Fastener	Insulation fastener for steel, wood & concrete decks.		GAF Materials Corp.
2.	GAFTITE® (Drill-Tec®) ASAP	Pre-assembled GAFTITE Fasteners and metal and plastic plates.		GAF Materials Corp.
3.	GAFTITE® (Drill-Tec®) Base Sheet Fastener and Plate	Base sheet fastening assembly.		GAF Materials Corp.
4.	GAFTITE® (Drill-Tec®) Lite Deck Fastener	Insulation fastener for CWF and Gypsum decks.		GAF Materials Corp.

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
5.	Galvalume Plates (Drill-Tec® Metal)	Round galvalume stress plates.	3" and 3 ½"	GAF Materials Corp.
6.	Polypropylene Plates (Drill-Tec® Plastic)	Round polypropylene stress plates.	3" and 3 ½"	GAF Materials Corp.
7.	Dekfast Fasteners #12, #14 & #15	Insulation fastener for wood, steel and concrete decks		Construction Fasteners Inc.
8.	Dekfast Hex Plate	Galvalume hex stress plate.	2 7/8" x 3 1/4"	Construction Fasteners Inc.
9.	Dekfast Lock Plate	Polypropylene locking plate.	3" x 3 1/4"	Construction Fasteners Inc.
10.	FM-30, FM-45, FM-60, FM-90 Fasteners	Base ply fastening systems for lightweight concrete decks		ES Products, Inc.
11.	Nail-Tite Type 'A', Type 'R'	Galvanized steel base ply fastener for lightweight concrete decks.		ES Products, Inc.
12.	#14 Roofgrip Fasteners	Insulation fastener for wood and steel.		ITW Buildex Corp.
13.	Hextra Plus	Pre-assembled Insulation fastener and 3" metal plate		ITW Buildex Corp.
14.	Metal Plate	Galvalume stress plate.	3" round 3" square	ITW Buildex Corp.
15.	Gearlok Plastic Plate	Polypropylene round plate	3.2"	ITW Buildex Corp.
16.	Olympic Fastener #12, #14 & #15	Insulation fastener		Olympic Mfg Group
17.	Fluted Nail (Con-Tite)	Insulation fastener		Olympic Mfg Group
18.	Olympic CR Base Ply Fasteners	Base ply fastening assembly		Olympic Mfg Group
19.	Lite-Deck Fastener	Insulation fastener for CWF and Gypsum decks.		Olympic Mfg Group
20.	Lite-Deck Metal	Round galvalume stress plates.	3"	Olympic Mfg Group

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
21.	NTB Magnum	Glass reinforced Nylon insulation fastener for gypsum & CWF decks with barbs.		Olympic Mfg Group
22.	NTB Plate	Galvalume stress plate	3" round	Olympic Mfg Group
23.	Olympic Fastener ASAP	Pre-assembled Insulation fastener and plate		Olympic Mfg Group
24.	Olympic Polypropylene	Polypropylene plastic plate	3.25" round	Olympic Mfg Group
25.	Olympic G-2	3" round galvalume AZ55 steel plate	3.5" round	Olympic Mfg Group
26.	Olympic Standard	3" round galvalume AZ50 steel plate	3" round	Olympic Mfg Group
27.	Rawl Drive	Insulation fastener for concrete decks		Powers Fasteners, Inc.
28.	Rawl Plate	3" round galvalume AZ55 steel plate	3" round	Powers Fasteners, Inc.
29.	Powerlite	Insulation fastener for CWF and Gypsum decks.		Powers Fasteners, Inc.
30.	Powerlite Plates	3" round galvalume AZ55 steel plate	3" round	Powers Fasteners, Inc.
31.	Powerlite Lap Plates	2" round galvalume AZ55 steel plate	2" round	Powers Fasteners, Inc.
32.	Insul-Fixx Fastener & HD Insul-Fixx Fastener	Insulation fastener for concrete decks		SFS/Stadler
33.	Insul-Fixx S Plate	3" round galvalume AZ50 steel plate	3" round	SFS/Stadler
34.	Insul-Fixx P Plate	3" round polyethylene stress plate	3" round	SFS/Stadler
35.	Tru-Fast Fasteners	Insulation fastener for concrete decks		Tru-Fast
36.	Tru-Fast MP-3	Galvalume AZ50 steel plate	3.23" round	Tru-Fast
37.	Tru-Fast Plastic Plate	Polyethylene plastic plate.	3.04" round	Tru-Fast
38.	Tru-Fast Plates	Polyethylene plastic plate	3" round	Tru-Fast

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Description	Date
Factory Mutual Research Corp.	FMRC 1996	Current Insulation Attachment Requirements	01.01.96
Factory Mutual Research Corp.	J.I. 2B8A4.AM	Wind Uplift	07.02.97
	J.I. 3B9Q1.AM	FMRC 44704	01.08.98
	J.I. 0D0A8.AM		07.09.99
Factory Mutual Research Corp.	J.I. 0Y9Q5.AM	FMRC 4470 - PA 114	04.01.98

APPROVED ASSEMBLIES:

Deck Type 7I: Recover

Deck Description: Concrete/lightweight concrete/cementitious wood fiber/poured gypsum/wood/steel

System Type A: Anchor sheet mechanically fastened; all layers of insulation adhered with approved asphalt.

All General and System Limitations shall apply.

One or more layers of any of the following insulations.

Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
Pyrox, AP, White Line, ENRGY 2, ENRGY 2 Plus, GAFTEMP Composite N, GAFTEMP Composite A, GAFTEMP Composite, Isotherm-RN, GAFTEMP® Isotherm R, Isotherm RA, ISORoc, Iso 95 +, UltraGard Gold, Wood Fiber, EnergyGuard Fiberboard		
Minimum 1" thick	**N/A**	**N/A**
High Density Wood Fiber, EnergyGuard High Density Wood Fiber		
Minimum ½" thick	**N/A**	**N/A**
Paroc, Perlite, EnergyGuard Perlite		
Minimum ¾" thick	**N/A**	**N/A**
Fiberglas		
Minimum $^{15}/_{16}$" thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the anchor sheet in full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs/100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down. GAF requires either a ply of GAFGLAS® STRATAVENT Eliminator Perforated laid dry or a layer of EnergyGuard Perlite or wood fiber overlay board on all isocyanurate applications.

Anchor Sheet: One ply of GAFGLAS® #75, GAFGLAS #80 ULTIMA™ Base Sheet GAFGLAS® STRATAVENT® Eliminator Nailable or RUBEROID® 20 base sheet mechanically fastened with approved insulation fasteners and 3" diameter stress plates, fastened 12" o.c. at the 4" side lap, and two 24' o.c. staggered rows in the center.

Base Sheet: (Optional) One ply of one of GAFGLAS #75 Base Sheet, #80 Ultima™ Base Sheet solidly mopped to insulation or GAFGLAS® STRATAVENT® Eliminator Perforated (laid dry) over insulation. If base sheet is applied directly to polyisocyanurate insulation only a spot or strip mopped application as detailed in this approval is approved.

Ply Sheet: One or more plies of GAFGLAS® Ply 4® or GAFGLAS FlexPly 6 ply sheets adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Cap Sheet:	(Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
Surfacing:	(Required if no cap sheet is used) Install one of the following: 1. Gravel or slag applied at 400 lb./sq. and 300 lb./sq. respectively in a flood coat of approved asphalt at 60 lb./sq. 2. GAF Premium Fibered Aluminum Roof Coating, at 1.5 gal./sq. or GAF WeatherCoat® Emulsion at 3 gal./sq.
Maximum Design Pressure:	-45 psf (See General Limitation #9.)

Deck Type 7I: Recover

Deck Description: Concrete/lightweight concrete/cementitious wood fiber/poured gypsum/wood/steel

System Type A(2): Anchor sheet mechanically fastened; all layers of insulation adhered with approved asphalt.

All General and System Limitations shall apply.

One or more layers of any of the following insulations.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
Pyrox, AP, White Line, ENRGY 2, ENRGY 2 Plus, GAFTEMP Composite N, Isotherm-RN, GAFTEMP® Isotherm R, Isotherm RA, ISORoc, Iso 95 +, UltraGard Gold, Wood Fiber, EnergyGuard Fiberboard		
Minimum 1" thick	**N/A**	**N/A**
High Density Wood Fiber, EnergyGuard High Density Wood Fiber		
Minimum ½" thick	**N/A**	**N/A**
Paroc, Perlite, EnergyGuard Perlite		
Minimum ¾" thick	**N/A**	**N/A**
Fiberglas		
Minimum $^{15}/_{16}$" thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the anchor sheet in full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs/100 ft^2. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down. GAF requires either a ply of GAFGLAS® STRATAVENT Eliminator Perforated laid dry or a layer of EnergyGuard Perlite or wood fiber overlay board on all isocyanurate applications.

Anchor Sheet: One ply of one of GAFLGAS® STRATAVENT Perforated, laid dry or GAFGLAS® #75 Base Sheet in a spot mopping of approved asphalt, 12" diameter. circles, 24" o.c.; or strip mopping of approved asphalt as follows: 8" strips 12" o.c., one strip at each edge and one down the center of the sheet. The area between each strip shall remain open to allow proper venting. "Encircling" of strips is not acceptable. Each strip shall be discontinuous, one 6" break each 12' to allow cross ventilation. These breaks shall be staggered. Application of either System Type shall be at a rate of 12 lbs./sq.

Base Sheet: (Optional) One ply of one of GAFGLAS® #75 Base Sheet, GAFGLAS #80 ULTIMA™ Base Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq or GAFGLAS STRATAVENT® Eliminator Perforated (loose laid). If base sheet is applied directly to polyisocyanurate insulation only a spot or strip mopped application as detailed above, is approved.

Ply Sheet:	One or more plies of GAFGLAS® Ply 4® or GAFGLAS FlexPly 6 ply sheets adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
Cap Sheet:	(Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
Surfacing:	(Required if no cap sheet is used) Install one of the following: 1. Gravel or slag applied at 400 lb./sq. and 300 lb./sq. respectively in a flood coat of approved asphalt at 60 lb./sq. 2. GAF Premium Fibered Aluminum Roof Coating, at 1.5 gal./sq. or GAF WeatherCoat® Emulsion at 3 gal./sq.
Maximum Design Pressure:	-45 psf (See General Limitation #9.)

Deck Type 7: Recover

Deck Description: Concrete/lightweight concrete/cementitious wood fiber/poured gypsum/wood/steel

System Type E(1): Anchor Sheet mechanically fastened.

All General and System Limitations shall apply.

Anchor Sheet:	One ply of GAFGLAS® #75 GAFGLAS #80 ULTIMA™ Base Sheet, GAFGLAS STRATAVENT® Eliminator Nailable base sheet mechanically fastened with approved insulation fasteners and 3" diameter stress plates, fastened 12" o.c. at the 4" side lap, and two 24' o.c. staggered rows in the center.
Ply Sheet:	One or more plies of GAFGLAS® Ply 4® or GAFGLAS FlexPly 6 ply sheets adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
Cap Sheet:	(Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
Surfacing:	(Required if no cap sheet is used) Install one of the following: 1. Gravel or slag applied at 400 lb./sq. and 300 lb./sq. respectively in a flood coat of approved asphalt at 60 lb./sq. 2. GAF Premium Fibered Aluminum Roof Coating, at 1.5 gal./sq. or GAF WeatherCoat® Emulsion at 3 gal./sq.
Maximum Design Pressure:	-45 psf (See General Limitation #9.)

Deck Type 7: Recover

Deck Description: Concrete/lightweight concrete/cementitious wood fiber/poured gypsum/wood/steel

System Type E(2): Anchor Sheet mechanically fastened.

All General and System Limitations shall apply.

Anchor Sheet:	Install one ply of GAFGLAS® STRATAVENT® Eliminator Nailable or GAFGLAS#80 ULTIMA™ Base Sheet or RUBEROID® 20, or GAFGLAS® #75 base sheet mechanically fastened with approved insulation fasteners and 3" diameter stress plates, fastened 9" o.c. at the 4" side lap, and two 12" o.c. staggered rows in the center.
Ply Sheet:	One or more plies of GAFGLAS® Ply 4® or GAFGLAS FlexPly 6 ply sheets adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
Cap Sheet:	(Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
Surfacing:	(Required if no cap sheet is used) Install one of the following: 1. Gravel or slag applied at 400 lb./sq. and 300 lb./sq. respectively in a flood coat of approved asphalt at 60 lb./sq. 2. GAF Premium Fibered Aluminum Roof Coating, at 1.5 gal./sq. or GAF WeatherCoat® Emulsion at 3 gal./sq.
Maximum Design Pressure:	-45 psf (See General Limitation #9.)

Deck Type 7: Recover

Deck Description: Concrete/lightweight concrete/cementitious wood fiber/poured gypsum/wood/steel

System Type F: Base sheet GAFGLAS® STRATAVENT® Perforated, lose laid dry.

All General and System Limitations shall apply.

Base Sheet:	One ply of one of GAFGLAS® STRATAVENT® Perforated loose laid and mopped with an approved asphalt to a primed smooth surface.
Ply Sheet:	Two or more plies of GAFGLAS® PLY 4® or GAFGLAS FlexPly 6 ply sheets adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
Cap Sheet:	(Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
Surfacing:	(Required if no cap sheet is used) Install one of the following: 1. Gravel or slag applied at 400 lb./sq. and 300 lb./sq. respectively in a flood coat of approved asphalt at 60 lb./sq. 2. GAF Premium Fibered Aluminum Roof Coating, at 1.5 gal./sq. or GAF WeatherCoat® Emulsion at 3 gal./sq.
Maximum Design Pressure:	-60 psf (See General Limitation #9.)

RECOVER SYSTEM LIMITATIONS:

1 All System Limitations and General Limitations shall apply. See specific deck type Notice of Acceptance for deck type System Limitations.

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each sidelap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq. **Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.**
5. 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.
6. 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 Engineer, 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.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform with Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.

END OF THIS ACCEPTANCE