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)

GAF
1 Campus Dr.
Parsippany, NJ 07054

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: GAF Liquid Applied Roof Systems over Recover Decks.

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 renews and revises NOA No. 19-0226.06 and consists of pages 1 through 20.
The submitted documentation was reviewed by Jorge L. Acebo.

07/25/24

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	Liquid Applied Membrane
Deck Type:	Recover
Material:	Elastomeric
Maximum Design Pressure:	See specific assemblies herein

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
United Cleaning Concentrate (formerly known as United Cleaning Concentrate)	1 & 5 Gallon	Proprietary	Biodegradable cleaning agent with specific functional ingredients for degreasing and removing soils and biological residues for proper cleaning of roof surfaces.
GAF Metal Roof Primer (formerly known as Acrylex 400 Multisurface Roof Primer)	1 & 5 Gallon	Proprietary	Acrylic latex primer for use over metal, masonry and wood surfaces.
GAF BarrierGuard® Surface Coating (formerly known as HydroStop® BarrierGuard® Waterproofing)	2 & 5 Gallon	Proprietary	Priming and waterproofing compound for masonry surfaces.
GAF SureBond Primer	2 & 5 Gallon	Proprietary	Acrylic primer used for sealing masonry, metal and chalky surfaces.
EPDM Activator (formerly known as CleanAct Rinseable Primer)	2 & 5 Gallon	Proprietary	Water based, rinseable primer used directly on rubber roof (EPDM) applications.
TPO Red Primer	5 Gallon	Proprietary	Solvent-based primer for TPO membranes.
GAF UniBase Primer	5 Gallon	Proprietary	Low viscosity, highly penetrating, acrylic polymer primer.
GAF Lock-Down Primer	1 & 5 Gallon	Proprietary	Moisture-Cure Urethane Primer For Corrosion Protection On Metal Surfaces.
GAF FlexSeal™ Sealant	1 & 5 Gallon or 1 qt. Tube	TAS 139	Solvent-based, elastomeric sealant.
Surface Seal SB Thermoplastic Rubber Roof Coating	1 & 5 Gallon	ASTM D6083	Solvent based, sprayable thermoplastic rubber sealant.
GAF Premium Acrylic HydroStop® Base Coat	2 & 5 Gallon	Proprietary	An elastomeric compound used as a base layer in the GAF Premium Acrylic HydroStop® System.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
GAF Premium Fabric (formerly known as HydroStop® PremiumCoat® Fabric)	Rolls	Proprietary	Reinforcing fabric for GAF Liquid Applied Roofing Systems, including the GAF Premium Acrylic HydroStop® System and the BarrierGuard® System.
GAF Brush-Grade Flashing (formerly known as HydroStop® PremiumCoat® Butter Grade Flashing)	2 & 5 Gallon	Proprietary	Acrylic elastomeric sealant for bridging gaps, filling voids and low lying roof areas.
GAF Premium Acrylic HydroStop® Top Coat	2 & 5 Gallon	ASTM D6083	An elastomeric compound used as a top layer in the GAF Premium Acrylic HydroStop® System.
GAF TrafficCoat Pedestrian Surface Coating	2 & 5 Gallon	Proprietary	An acrylic elastomeric compound used as a smooth or textured non-skid surfacing layer.
RUBEROID® Mop Smooth 1.5	39.37" (1 meter) Wide	ASTM D6164 Type 1S	Smooth surfaced mop applied SBS base or ply sheet reinforced with a polyester mat.
RUBEROID® 20 Smooth	39.37" (1 meter) Wide	ASTM D6163 Type 1S	SBS polymer-modified asphalt base or ply sheet reinforced with a fiberglass mat.
RUBEROID® HW Smooth	39.37" (1 meter) Wide	ASTM D6164 Type 1S	Smooth surfaced torch applied SBS base or ply sheet reinforced with a polyester mat.
RUBEROID® HW 25 Smooth	39.37" (1 meter) Wide	ASTM D6163 Type 1S	Smooth surfaced torch applied SBS base or ply sheet reinforced with a fiberglass mat.
Matrix™101 Premium SBS Membrane Adhesive	5 Gallon	ASTM D3019	Squeegee and spray grade modified asphalt adhesive for use in adhering sand surfaced SBS modified bitumen roofing membranes.

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
EnergyGuard™ Polyiso Insulation	Polyiso Insulation	GAF
EnergyGuard™ Tapered Polyiso Insulation	Polyiso Insulation	GAF
EnergyGuard™ Ultra Polyiso Insulation	Polyiso Insulation	GAF
EnergyGuard™ Ultra Tapered Polyiso Insulation	Polyiso Insulation	GAF
EnergyGuard™ RA Polyiso Insulation	Polyiso Insulation	GAF
DensDeck® Roof Board	Gypsum Board	Georgia Pacific Gypsum, LLC
DensDeck® Prime Roof Board	Gypsum Board	Georgia Pacific Gypsum, LLC
SECUROCK® Gypsum-Fiber Roof Board	Gypsum Board	USG

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1	Drill-Tec™ 3" Standard Steel Plate	Galvalume® coated steel stress plate for use with approved Drill-Tec™ fasteners.	3" Round	GAF
2	Drill-Tec™ 3" Steel Plate	Round Galvalume® steel stress plate with reinforcing ribs and recessed for use with Drill-Tec™ fasteners.	3" Round	GAF
3	Drill-Tec™ 3 in. Ribbed Galvalume Plate (Flat)	Round Galvalume® plated steel stress plate with reinforcing ribs for use with Drill-Tec™ fasteners.	3" Round	GAF
4	Drill-Tec™ AccuTrac® Flat Plate	A2-SS aluminized steel plate for use with Drill-Tec™ fasteners.	3" square; .017" thick	GAF
5	Drill-Tec™ AccuTrac® Recessed Plate	Galvalume® steel plate with recess for use with Drill-Tec™ fasteners.	3" square; .017" thick	GAF
6	Drill-Tec™ #12 Fastener	Phillips head, modified buttress thread, pinch point, carbon steel fastener for use in steel or wood decks. With CR-10 coating. Available with a pinch point or drill point.	#12 x 8" max. length, #3 Phillips head.	GAF
7	Drill-Tec™ #14 Fastener	Truss head, self-drilling, pinch point, high thread fastener for use in steel, wood or concrete decks.	#14 x 16" max. length, #3 Phillips head.	GAF
8	Drill-Tec™ ASAP 3S	Drill-Tec #12 Fastener with Drill-Tec 3" Standard Steel Plate.	See components	GAF

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Description	Date
Atlantic & Caribbean Roof Consulting, LLC	09-021	TAS 114	10/28/09
	09-022	TAS 114	10/29/09
	09-023	TAS 114	10/29/09
	11-004	TAS 114	03/21/11
	11-016	TAS 114	04/07/11
	11-019	TAS 114	04/08/11
Trinity|ERD	4697.12.00-1	TAS 114	12/07/00
	GAF-SC10845.04.16	TAS 114	04/26/16
	MCRF Letter 4697.12.00-1	TAS 105	05/09/16
	MCRF Letter GAF-SC10845.04.16	TAS 105	04/29/16
	GAF-SC13105.03.17-R1	ASTM D6164	03/23/17
NEMO etc.	4q-GAF-19-SSMBB-02.A	ASTM D6163	04/08/19
PRI Construction Materials Technologies LLC	EATC-013-02-01	ASTM D3019	09/17/14
	GAF-559-02-03	TAS 117	10/16/14
	GAF-661-02-01	Proprietary	06/03/16
	GAF-665-02-01	Proprietary	06/03/16
	GAF-629-02-01	ASTM C1289	03/01/16
	GAF-659-02-01	Proprietary	06/03/16
	GAF-662-02-01	Proprietary	06/07/16
	GAF-663-02-01	Proprietary	06/03/16
	GAF-664-02-01	Proprietary	06/03/16
	GAF-671-02-01	TAS 139	07/01/16
	GAF-676-02-01	Proprietary	06/01/16
	GAF-678-02-01	Proprietary	07/14/16
	GAF-679-02-01	Proprietary	06/01/16
	GAF-680-02-01	Proprietary	06/01/16
	GAF-687-02-01	ASTM C794	06/06/16
	GAF-688-02-01	ASTM C794	06/06/16
	GAF-693-02-01	ASTM D1876	06/22/16
	GAF-693-02-02	ASTM D1876	06/22/16
	GAF-777-02-01	ASTM D6083	09/18/17
	HSI-007-02-01	ASTM D6083	05/20/16
	HSI-009-02-01	ASTM D6083	05/20/16
	HSI-010-02-01	ASTM D6083	03/25/11
	HSI-011-02-01	ASTM D6083	03/25/11
	QCP-018-02-01	TAS 114	11/14/14
	376T0077	Proprietary	07/31/20
	376T0014	ASTM D6083	08/31/21
	376T0159	ASTM D6083	08/31/21
	376T0340	Proprietary	10/28/22
	376T0341	Proprietary	10/28/22
	376T0466	Proprietary	10/24/23
	376T0465	TAS 139	12/11/23
	376T0480	ASTM D6163	02/29/24
	376T0481	ASTM D6163	02/29/24

EVIDENCE SUBMITTED: (CONTINUED)

Test Agency	Test Identifier	Description	Date
FM Approvals	3000150	FM 4470	09/22/99
	3023606	FM 4470	10/18/06
	3029832	FM 4470	05/11/07
	3031350	FM 4470	09/27/07
	3032811	FM 4470	12/11/08
	3038278	FM 4470	11/18/11
	3041005	FM 4470	03/31/11
	3041769	FM 4470	09/27/12
	3042905	FM 4470	01/10/12
	3044541	FM 4470	04/04/12
	3045166	FM 4470	07/24/12
	3046081	FM 4470	02/13/13
	3047636	FM 4470	08/08/13
	3048496	FM 4470	12/19/13
	FM 797-03825-267	FM 4470	07/14/08
	FM 797-09016-267	FM 4470	12/12/13
	FM Letter	FM 4470	12/06/11
	FM Letter 3048066	FM4470	12/13/13
	FM RR204674	FM 4470	03/23/16
UL LLC	R6935	UL 790	07/01/24

DECK STRESS ANALYSIS CALCULATIONS/REPORTS

Engineer/Agency	Identifier	Assemblies	Date
Trinity|ERD	SC10845.04.16	C(3), C(4), C(5)	04/26/16

APPROVED ASSEMBLIES:

Membrane Type: Liquid Applied Membrane

Deck Type 7I: Recover, Insulated

System Type A(1): All layers of insualtion are adhered to the existing roof. Membrane is subsequently fully adhered to the insulation.

Deck Description: Structural Concrete, Recover over an Existing Granular Surfaced Roof

GAF products shall be installed in accordance with the manufacturer's specifications. The following are minimum installation guidelines. Consult the manufacturer's specifications or Technical Repersentative for specific/complete installation instructions.

All General and System Limitations apply.

One or more layers of the following insulations.

Insulation Layer:	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Dens Deck® Prime Minimum 1/4" thick	**N/A**	**N/A**

Note: Insulation is adhered with with OlyBond 500® or OlyBond 500® Green applied in ¾ - 1.0" wide ribbons spaced 12" o.c. Please refer to Roofing Application Standard (RAS) 117 for insulation attachment.

Insulation Joint Treatment Note: GAF Premium Acrylic HydroStop® Base Coat is brush applied over all top insulation layer joints in a 6 in. width at a rate of 1.25 gal./sq. centered about each joint. 6 in. wide GAF Premium Fabric is embedded in the wet GAF Premium Acrylic HydroStop® Base Coat. The fabric is then saturated with additional GAF Premium Acrylic HydroStop® Base Coat brush applied at 1.25 gal/sq.

Membrane: GAF Premium Acrylic HydroStop® Base Coat is brush applied at a minimum rate of 1.25 gal./sq.

GAF Premium Fabric is embedded in the wet GAF Premium Acrylic HydroStop® Base Coat within 4 in. wide seams and is saturated with additional GAF Premium Acrylic HydroStop® Base Coat, brush applied at a minimum rate of 1.25 gal./sq.

Two (2) or more coats of GAF Premium Acrylic HydroStop® Top Coat are applied at a minimum rate of 0.75 gal./sq. per coat.

Surfacing: (Optional) GAF TrafficCoat Pedestrian Surface Coating is applied per manufacturer's installation instructions.

Maximum Design Pressure: Meets -172.5 psf (See General Limitation #9)

Membrane Type: Liquid Applied Membrane

Deck Type 7I: Recover, Insulated

System Type A(2): All layers of insualtion are adhered to the existing roof. Membrane is subsequently fully adhered to the insulation.

Deck Description: Structural Concrete, Recover over an Existing Granular Surfaced Roof System or Smooth Surfaced Built-Up Roof (BUR) System

GAF products shall be installed in accordance with the manufacturer's specifications. The following are minimum installation guidelines. Consult the manufacturer's specifications or Technical Repersentative for specific/complete installation instructions.

All General and System Limitations apply.

One or more layers of the following insulations.

Insulation Layer:	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
EnergyGuard™ Polyiso Insulation, EnergyGuard™ Ultra Polyiso Insulation, EnergyGuard™ RA Polyiso Insulation Minimum 1" thick	**N/A**	**N/A**

Note: Insulation is adhered with OlyBond 500® or OlyBond 500® Green applied in 1" wide ribbons spaced 12" o.c. Please refer to Roofing Application Standard (RAS) 117 for insulation attachment.

Insulation Joint Treatment Note: GAF Premium Acrylic HydroStop® Base Coat is brush applied over all top insulation layer joints in a 6 in. width at a rate of 1.25 gal./sq. centered about each joint. 6 in. wide GAF Premium Fabric is embedded in the wet GAF Premium Acrylic HydroStop® Base Coat. The fabric is then saturated with additional GAF Premium Acrylic HydroStop® Base Coat, brush applied at 1.25 gal/sq.

Membrane: GAF Premium Acrylic HydroStop® Base Coat is brush applied at a minimum rate of 1.25 gal./sq.

GAF Premium Fabric is embedded in the wet GAF Premium Acrylic HydroStop® Base Coat within 4 in. wide seams and is saturated with additional GAF Premium Acrylic HydroStop® Base Coat brush applied at a minimum rate of 1.25 gal./sq.

Two (2) or more coats of GAF Premium Acrylic HydroStop® Top Coat are applied at a minimum rate of 0.75 gal./sq. per coat.

Surfacing: (Optional) GAF TrafficCoat Pedestrian Surface Coating is applied per manufacturer's installation instructions.

Maximum Design Pressure: -160 psf (See General Limitation #9)

Membrane Type: Liquid Applied Membrane

Deck Type 7I: Recover, Insulated

System Type C(1): All layers of insulation are mechanically attached to roof deck. Membrane is subsequently fully adhered to insualtion.

Deck Description: Minimum 19/32" thick plywood secured 6" o.c. at panel end and intermediate supports with 8d ring shank nails to supports spaced maximum 24" o.c.

*The deck shall record a Minimum Characteristic Resistance Force (MCRF) of 160 lbf. when tested with Drill-Tec™ #12 Fasteners or Drill-Tec #14 Fasteners installed through to the deck in accordance with TAS 105.

GAF products shall be installed in accordance with the manufacturer's specifications. The following are minimum installation guidelines. Consult the manufacturer's specifications or Technical Repersentative for specific/complete installation instructions.

All General and System Limitations apply.

One or more layers of the following insulations.

Base Insulation Layer (Optional):	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
EnergyGuard™ Polyiso Insulation, EnergyGuard™ Tapered Polyiso Insulation		
Minimum 1" thick	**N/A**	**N/A**
Top Insulation Layer:	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
Dens Deck®		
Minimum 0.25" thick	**1, 6, 7, 8**	**1:1.33 ft²**

Note: All layers shall be simultaneously fastened; see top layer for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Insulation Joint Treatment Note: GAF Premium Acrylic HydroStop® Base Coat is brush applied over all top insulation layer joints in a 6 in. width at a rate of 1.25 gal./sq. centered about each joint. 6 in. wide GAF Premium Fabric is embedded in the wet GAF Premium Acrylic HydroStop® Base Coat. The fabric is then saturated with additional GAF Premium Acrylic HydroStop® Base Coat, brush applied at 1.25 gal/sq.

Membrane: GAF Premium Acrylic HydroStop® Base Coat is brush applied at a minimum rate of 1.25 gal./sq.

GAF Premium Fabric is embedded in the wet GAF Premium Acrylic HydroStop® Base Coat base coat within 4 in. wide seams and is saturated with additional GAF Premium Acrylic HydroStop® Base Coat, brush applied at a minimum rate of 1.25 gal./sq.

Two (2) or more coats of GAF Premium Acrylic HydroStop® Top Coat are applied at a minimum rate of 0.75 gal./sq. per coat.

Surfacing: (Optional) GAF TrafficCoat Pedestrian Surface Coating is applied per manufacturer's installation instructions.

Maximum Design Pressure: -60 psf (See General Limitation #7)

Membrane Type: Liquid Applied Membrane

Deck Type 7I: Recover, Insulated

System Type C(2): All layers of insulation are mechanically attached to roof deck. Membrane is subsequently fully adhered to insualtion.

Deck Description: Minimum 15/32" thick plywood secured 6" o.c. at panel end and intermediate supports with 8d ring shank nails to supports spaced maximum 24" o.c.

*The deck shall record a Minimum Characteristic Resistance Force (MCRF) of 180 lbf. when tested with Drill-Tec™ #12 Fasteners or Drill-Tec #14 Fasteners installed through to the deck in accordance with TAS 105.

GAF products shall be installed in accordance with the manufacturer's specifications. The following are minimum installation guidelines. Consult the manufacturer's specifications or Technical Repersentative for specific/complete installation instructions.

All General and System Limitations apply.

One or more layers of the following insulations.

Base Insulation Layer (Optional):	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
EnergyGuard™ Polyiso Insulation, EnergyGuard™ Tapered Polyiso Insulation Minimum 1" thick	**N/A**	**N/A**

Top Insulation Layer:	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
Dens Deck® Prime Minimum 0.25" thick	**1, 6, 7, 8**	**1:1.33 ft²**

Note: All layers shall be simultaneously fastened; see top layer for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Insulation Joint Treatment Note: GAF Premium Acrylic HydroStop® Base Coat is brush applied over all top insulation layer joints in a 6 in. width at a rate of 1.25 gal./sq. centered about each joint. 6 in. wide GAF Premium Fabric is embedded in the wet GAF Premium Acrylic HydroStop® Base Coat. The fabric is then saturated with additional GAF Premium Acrylic HydroStop® Base Coat brush applied at 1.25 gal/sq.

Membrane: GAF Premium Acrylic HydroStop® Base Coat is brush applied at a minimum rate of 1.25 gal./sq.

GAF Premium Fabric is embedded in the wet GAF Premium Acrylic HydroStop® Base Coat within 4 in. wide seams and is saturated with additional GAF Premium Acrylic HydroStop® Base Coat, brush applied at a minimum rate of 1.25 gal./sq.

Two (2) or more coats of GAF Premium Acrylic HydroStop® Top Coat are applied at a minimum rate of 0.75 gal./sq. per coat.

Surfacing: (Optional) GAF TrafficCoat Pedestrian Surface Coating is applied per manufacturer's installation instructions.

Maximum Design Pressure: -67.5 psf (See General Limitation #7)

Membrane Type: Liquid Applied Membrane

Deck Type 7I: Recover, Insulated

System Type C(3): All layers of insulation are mechanically attached to roof deck. Membrane is subsequently fully adhered to insualtion.

Deck Description: Structural Concrete or Min. 22 ga., Grade 33, Type B, 1.5 in. deep, wide rib steel deck secured to supports spaced maximum 72 in. o.c. **The thickness of the existing roof assembly as measured from the top of the steel deck ribs to the surface of the roof cover shall be minimum 1".**

*The deck shall record a Minimum Characteristic Resistance Force (MCRF) of 218 lbf. when tested with Drill-Tec™ #12 Fasteners (steel deck only) or Drill-Tec™ #14 Fasteners (steel or structural concrete deck) installed through to the deck in accordance with TAS 105.

This Tested Assembly has been analysed for allowable deck stress. See Evidence Submitted Table.

GAF products shall be installed in accordance with the manufacturer's specifications. The following are minimum installation guidelines. Consult the manufacturer's specifications or Technical Repersentative for specific/complete installation instructions.

All General and System Limitations apply.

One or more layers of the following insulations.

Insulation Layer:	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
EnergyGuard™ Polyiso Insulation, EnergyGuard™ Tapered Polyiso Insulation		
Minimum 1.5" thick	**1, 2, 3, 4, 5, 6, 7, 8**	**1:1.45 ft²**

Note: Insulation shall be mechanically attached with fasteners and density described. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Roofing Application Standard RAS 117 for fastening details).

Insulation Joint and Base Sheet Lap Treatment Note: Top insulation layer joints or base sheet laps shall be treated as follows. The insulation joints shall not be treated when the optional base sheet is present. GAF Premium Acrylic HydroStop® Base Coat is brush applied over all top insulation layer joints (when the optional base sheet is NOT present) or base sheet seams (when the optional base sheet is present) in a 6 in. width at a rate of 1.25 gal./sq. centered about each joint or seam. 6 in. wide GAF Premium Fabric is embedded in the wet GAF Premium Acrylic HydroStop® Base Coat. The fabric is then saturated with additional GAF Premium Acrylic HydroStop® Base Coat, brush applied at 1.25 gal/sq.

Base Sheet: (Optional) RUBEROID® 20 Smooth is adhered to the insulation with Matrix™ 101 Premium SBS Membrane Adhesive applied at 1.5 – 2.0 gal/sq. The minimum 3" wide base sheet side laps are fully hot air welded.

Membrane: GAF Premium Acrylic HydroStop® Base Coat is brush applied at a minimum rate of 1.25 gal./sq.

GAF Premim Fabric is embedded in the wet GAF Premium Acrylic HydroStop® Base Coat within 4 in. wide seams and is saturated with additional GAF Premium Acrylic HydroStop® Base Coat brush applied at a minimum rate of 1.25 gal./sq.

Two (2) or more coats of GAF Premium Acrylic HydroStop® Top Coat are applied at a minimum rate of 0.75 gal./sq. per coat.

Surfacing: (Optional) GAF TrafficCoat Pedestrian Surface Coating is applied per manufacturer's installation instructions.

Maximum Design Pressure: -75 psf (See General Limitation #7)

Membrane Type: Liquid Applied Membrane

Deck Type 7I: Recover, Insulated

System Type C(4): All layers of insulation mechanically attached to roof deck. Top insulation layer joints prepared per note below. The GAF Premium Acrylic HydroStop® system is applied to insulation.

Deck Description: Structural Concrete or Min. 22 ga., Grade 33, Type B, 1.5 in. deep, wide rib steel deck secured to supports spaced maximum 72 in. o.c. **The thickness of the existing roof assembly as measured from the top of the steel deck ribs to the surface of the roof cover shall be minimum 1".**

* The deck shall record a Minimum Characteristic Resistance Force (MCRF) of 196 lbf. when tested with Drill-Tec™ #12 Fasteners (steel deck only) or Drill-Tec™ #14 Fasteners (steel or structural concrete deck) installed through to the deck in accordance with TAS 105.

This Tested Assembly has been analysed for allowable deck stress. See Evidence Submitted Table.

GAF products shall be installed in accordance with the manufacturer's specifications. The following are minimum installation guidelines. Consult the manufacturer's specifications or Technical Repersentative for specific/complete installation instructions.

All General and System Limitations apply.

One or more layers of the following insulations.

Base Insulation Layer (Optional):	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
EnergyGuard™ Polyiso Insulation, EnergyGuard™ Tapered Polyiso Insulation		
Minimum 1" thick	**N/A**	**N/A**
Top Insulation Layer:	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
Dens Deck® Prime		
Minimum ¼" thick	**1, 3, 4, 6, 7, 8**	**1:1.45 ft²**

Note: All layers shall be simultaneously fastened; see top layer for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Insulation Joint and Base Sheet Lap Treatment Note: Top insulation layer joints or base sheet laps shall be treated as follows. The insulation joints shall not be treated when the optional base sheet is present. GAF Premium Acrylic HydroStop® Base Coat is brush applied over all top insulation layer joints (when the optional base sheet is NOT present) or base sheet seams (when the optional base sheet is present) in a 6 in. width at a rate of 1.25 gal./sq. centered about each joint or seam. 6 in. wide GAF Premium Fabric is embedded in the wet GAF Premium Acrylic HydroStop® Base Coat. The fabric is then saturated with additional GAF Premium Acrylic HydroStop® Base Coat, brush applied at 1.25 gal/sq.

Base Sheet: (Optional) RUBEROID® 20 Smooth is adhered to the top insulation layer with Matrix™ 101 Premium SBS Membrane Adhesive applied at 1.5 – 2.0 gal/sq. The minimum 3" wide base sheet side laps are fully hot air welded.

OR

RUBEROID® HW Smooth or RUBEROID® HW 25 Smooth torch adhered to the top insulation layer within minimum 3" wide side laps.

Membrane:	GAF Premium Acrylic HydroStop® Base Coat is brush applied at a minimum rate of 1.25 gal./sq. GAF Premium Fabric is embedded in the wet GAF Premium Acrylic HydroStop® Base Coat within 4 in. wide seams and is saturated with additional GAF Premium Acrylic HydroStop® Base Coat, brush applied at a minimum rate of 1.25 gal./sq. Two (2) or more coats of GAF Premium Acrylic HydroStop® Top Coat are applied at a minimum rate of 0.75 gal./sq. per coat.
Surfacing: (Optional)	GAF TrafficCoat Pedestrian Surface Coating is applied per manufacturer's installation instructions.
Maximum Design Pressure:	-67.5 psf (See General Limitation #7)

Membrane Type: Liquid Applied Membrane

Deck Type 7I: Recover, Insulated

System Type C(5): All layers of insulation mechanically attached to roof deck. Top insulation layer joints prepared per note below. The GAF Premium Acrylic HydroStop® System is applied to insulation.

Deck Description: Structural Concrete or Min. 22 ga., Grade 33, Type B, 1.5 in. deep, wide rib steel deck secured to supports spaced maximum 72 in. o.c. **The thickness of the existing roof assembly as measured from the top of the steel deck ribs to the surface of the roof cover shall be minimum 1".**

* The deck shall record a Minimum Characteristic Resistance Force (MCRF) of 218 lbf. when tested with Drill-Tec™ #12 Fasteners (steel deck only) or Drill-Tec™ #14 Fasteners (steel or structural concrete deck) installed through to the deck in accordance with TAS 105.

This Tested Assembly has been analysed for allowable deck stress. See Evidence Submitted Table.

GAF products shall be installed in accordance with the manufacturer's specifications. The following are minimum installation guidelines. Consult the manufacturer's specifications or Technical Repersentative for specific/complete installation instructions.

All General and System Limitations apply.

One or more layers of the following insulations.

Base Insulation Layer (Optional):	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
EnergyGuard™ Polyiso Insulation, EnergyGuard™ Tapered Polyiso Insulation Minimum 1" thick	**N/A**	**N/A**
Top Insulation Layer:		
SECUROCK® Gypsum-Fiber Roof Board Minimum ¼" thick	**1, 3, 4, 6, 7, 8**	**1:1.45 ft²**

Note: All layers shall be simultaneously fastened; see top layer for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Insulation Joint and Base Sheet Lap Treatment Note: Top insulation layer joints or base sheet laps shall be treated as follows. The insulation joints shall not be treated when the optional base sheet is present. GAF Premium Acrylic HydroStop® Base Coat is brush applied over all top insulation layer joints (when the optional base sheet is NOT present) or base sheet seams (when the optional base sheet is present) in a 6 in. width at a rate of 1.25 gal./sq. centered about each joint or seam. 6 in. wide GAF Premium Fabric is embedded in the wet GAF Premium Acrylic HydroStop® Base Coat. The fabric is then saturated with additional GAF Premium Acrylic HydroStop® Base Coat, brush applied at 1.25 gal/sq.

Base Sheet: (Optional) RUBEROID® 20 Smooth is adhered to the top insulation layer with Matrix™ 101 Premium SBS Membrane Adhesive applied at 1.5 – 2.0 gal/sq. The minimum 3" wide base sheet side laps are fully hot air welded.

OR

RUBEROID® HW Smooth or RUBEROID® HW 25 Smooth is torch adhered to the top insulation layer within minimum 3" wide base sheet side laps.

Membrane:	GAF Premium Acrylic HydroStop® Base Coat is brush applied at a minimum rate of 1.25 gal./sq. GAF Premium Fabric is embedded in the wet GAF Premium Acrylic HydroStop® Base Coat within 4 in. wide seams and is saturated with additional GAF Premium Acrylic HydroStop® Base Coat, brush applied at a minimum rate of 1.25 gal./sq. Two (2) or more coats of GAF Premium Acrylic HydroStop® Top Coat are applied at a minimum rate of 0.75 gal./sq. per coat.
Surfacing: (Optional)	GAF TrafficCoat Pedestrian Surface Coating is applied per manufacturer's installation instructions.
Maximum Design Pressure:	-75 psf (See General Limitation #7)

Membrane Type: Liquid Applied Membrane

Deck Type 7: Recover, Non-Insulated

System Type F(1): GAF Premium Acrylic HydroStop® System applied to SPUF

Deck Description: Structural Concrete, Recover, min. 1" thick Spray Polyurethane Foam (SPUF) applied over an existing Smooth Built-Up Roof (BUR)

GAF products shall be installed in accordance with the manufacturer's specifications. The following are minimum installation guidelines. Consult the manufacturer's specifications or Technical Repersentative for specific/complete installation instructions.

All General and System Limitations apply.

Membrane: GAF Premium Acrylic HydroStop® Base Coat is brush applied at a minimum rate of 1.25 gal./sq.

GAF Premium Fabric is embedded in the wet GAF Premium Acrylic HydroStop® Base Coat within 4 in. wide seams and is saturated with additional GAF Premium Acrylic HydroStop® Base Coat, brush applied at a minimum rate of 1.25 gal./sq.

Two (2) or more coats of GAF Premium Acrylic HydroStop® Top Coat are applied at a minimum rate of 0.75 gal./sq. per coat.

Surfacing: (Optional) GAF TrafficCoat Pedestrian Surface Coating is applied per manufacturer's installation instructions.

Maximum Design Pressure: -237.5 psf (See General Limitation #9)

Membrane Type: Liquid Applied Membrane

Deck Type 7: Recover, Non-Insulated

System Type F(2): GAF Premium Acrylic HydroStop® System applied to SPUF

Deck Description: Recover over an Existing Spray Polyurethane Foam Roof (SPUF)

GAF products shall be installed in accordance with the manufacturer's specifications. The following are minimum installation guidelines. Consult the manufacturer's specifications or Technical Repersentative for specific/complete installation instructions.

All General and System Limitations apply.

Membrane: GAF Premium Acrylic HydroStop® Base Coat is brush applied at a minimum rate of 1.25 gal./sq.

GAF Premium Fabric is embedded in the wet GAF Premium Acrylic HydroStop® Base Coat within 4 in. wide seams and is saturated with additional GAF Premium Acrylic HydroStop® Base Coat brush applied at a minimum rate of 1.25 gal./sq.

Two (2) or more coats of GAF Premium Acrylic HydroStop® Top Coat are applied at a minimum rate of 0.75 gal./sq. per coat.

Surfacing: (Optional) GAF TrafficCoat Pedestrian Surface Coating is applied per manufacturer's installation instructions.

Maximum Design Pressure: (As determined by TAS 124)

Membrane Type: Liquid Applied Membrane

Deck Type 7: Recover, Non-Insulated

System Type F(3): GAF Premium Acrylic HydroStop® System applied to existing TPO

Deck Description: Recover over an Existing TPO Roof System

HydroStop® PremiumCoat® products shall be installed in accordance with the manufacturer's specifications. The following are minimum installation guidelines. Consult the manufacturer's specifications or Technical Repersentative for specific/complete installation instructions.

All General and System Limitations apply.

Primer: TPO Red Primer is applied at 0.5 gal./sq.

Membrane: GAF Premium Acrylic HydroStop® Base Coat is brush applied at a minimum rate of 1.25 gal./sq.

GAF Premium Fabric is embedded in the wet GAF Premium Acrylic HydroStop® Base Coat base coat within 4 in. wide seams and is saturated with additional HGAF Premium Acrylic HydroStop® Base Coat brush applied at a minimum rate of 1.25 gal./sq.

Two (2) or more coats of GAF Premium Acrylic HydroStop® Top Coat are applied at a minimum rate of 0.75 gal./sq. per coat.

Surfacing: (Optional) GAF TrafficCoat Pedestrian Surface Coating is applied per manufacturer's installation instructions.

Maximum Design Pressure: (As determined by TAS 124)

Membrane Type: Liquid Applied Membrane

Deck Type 7: Recover, Non-Insulated

System Type F(4): GAF Premium Acrylic HydroStop® System applied to existing PVC

Deck Description: Recover over an Existing PVC Roof System

GAF products shall be installed in accordance with the manufacturer's specifications. The following are minimum installation guidelines. Consult the manufacturer's specifications or Technical Repersentative for specific/complete installation instructions.

All General and System Limitations apply.

Membrane: GAF Premium Acrylic HydroStop® Base Coat is brush applied at a minimum rate of 1.25 gal./sq.

GAF Premium Fabric is embedded in the wet GAF Premium Acrylic HydroStop® Base Coat within 4 in. wide seams and is saturated with additional GAF Premium Acrylic HydroStop® Base Coat, brush applied at a minimum rate of 1.25 gal./sq.

Two (2) or more coats of GAF Premium Acrylic HydroStop® Top Coat are applied at a minimum rate of 0.75 gal./sq. per coat.

Surfacing: (Optional) GAF TrafficCoat Pedestrian Surface Coating is applied per manufacturer's installation instructions.

Maximum Design Pressure: (As determined by TAS 124)

Membrane Type: Liquid Applied Membrane

Deck Type 7: Recover, Non-Insulated

System Type F(5): GAF Premium Acrylic HydroStop® System applied to existing EPDM

Deck Description: Recover over an Existing EPDM Roof System

GAF products shall be installed in accordance with the manufacturer's specifications. The following are minimum installation guidelines. Consult the manufacturer's specifications or Technical Repersentative for specific/complete installation instructions.

All General and System Limitations apply.

Membrane: GAF Premium Acrylic HydroStop® Base Coat is brush applied at a minimum rate of 1.25 gal./sq.

GAF Premium Fabric is embedded in the wet GAF Premium Acrylic HydroStop® Base Coat within 4 in. wide seams and is saturated with additional GAF Premium Acrylic HydroStop® Base Coat brush applied at a minimum rate of 1.25 gal./sq.

Two (2) or more coats of GAF Premium Acrylic HydroStop® Top Coat are applied at a minimum rate of 0.75 gal./sq. per coat.

Surfacing: (Optional) GAF TrafficCoat Pedestrian Surface Coating is applied per manufacturer's installation instructions.

Maximum Design Pressure: (As determined by TAS 124)

Membrane Type: Liquid Applied Membrane

Deck Type 7: Recover, Non-Insulated

System Type F(6): GAF Premium Acrylic HydroStop® System applied to existing BUR or modified bitumen roof cover.

Deck Description: Recover over an Existing Built-Up Roof (BUR) or Modified Bitumen Roof

GAF products shall be installed in accordance with the manufacturer's specifications. The following are minimum installation guidelines. Consult the manufacturer's specifications or Technical Repersentative for specific/complete installation instructions.

All General and System Limitations apply.

Membrane: GAF Premium Acrylic HydroStop® Base Coat is brush applied at a minimum rate of 1.25 gal./sq.

GAF Premium Fabric is embedded in the wet GAF Premium Acrylic HydroStop® Base Coat within 4 in. wide seams and is saturated with additional GAF Premium Acrylic HydroStop® Base Coat, brush applied at a minimum rate of 1.25 gal./sq.

Two (2) or more coats of GAF Premium Acrylic HydroStop® Top Coat are applied at a minimum rate of 0.75 gal./sq. per coat.

Surfacing: (Optional) GAF TrafficCoat Pedestrian Surface Coating is applied per manufacturer's installation instructions.

Maximum Design Pressure: (As determined by TAS 124)

MANUFACTURER'S REQUIREMENTS:

1. Contractor must be a GAF HydroStop® "Approved Applicator", trained and familiar with the details and specifications published by the manufacturer. Proof of this qualification shall be provided in written form from the manufacturer. The proper application and installation of all GAF products shall be the sole responsibility of the contractor.
2. Refer to GAF's published installation instructions for detailed installation requirements and recommendations.
3. GAF TrafficCoat Pedestrian Surface Coating is is required for traffic bearing surfaces: All pedestrian traffic areas shall be coated with GAF TrafficCoat Pedestrian Surface Coating as non-skid surfacing**.**

RECOVER SYSTEM LIMITATIONS:

1. All System Limitations and General Limitations shall apply. See specific deck type Notice of Acceptance for deck type System Limitations.
2. All assemblies listed herein shall be installed in compliance with the applicable sections of FBC 1521. Uplift performance of assemblies bonded to existing roofing system shall be verified per 1521.10. Uplift performance of assemblies mechanically attached through existing roofing system shall be verified per 1521.11.

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 and/or adhesives 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 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.
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. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant
   (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 61G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE