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

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
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Miami, Florida 33175-2474
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NOTICE OF ACCEPTANCE (NOA)

Simon Roofing and Sheet Metal Corp. dba SR Products
70 Karago Avenue
Youngstown, OH 44512

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: SRMG CLP+ FR & CPM Max Roof Systems over Steel 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 revises 21-0309.09 and consists of pages 1 through 17.
The submitted documentation was reviewed by Alex Tigera.

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	Single & 2-Ply
Material:	CSPE
Deck Type:	Steel
Maximum Design Pressure	-97.5 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
CLP+ FR	50 mils	ASTM D5019	Internally reinforced, thermoset single ply and multi-ply roof membrane.
CPM Max	50 mils	ASTM D5019	Internally reinforced, thermoset single ply and multi-ply roof membrane.
Wite Brite CLP FR	Contact Manufacturer	ASTM D6083	An acrylic water-based coating for coating the top surface of the CLP+ FR membrane.
CPM Coating	Contact Manufacturer	ASTM D6083	An acrylic, VOC compliant roof coating used as a top coat in CLP+ FR & CPM Max Systems.
Wite Brite Coating	Contact Manufacturer	ASTM D6083	An acrylic, VOC compliant roof coating used as a top coat in CLP+ FR & CPM Max Systems.
CPM Coating FR	Contact Manufacturer	ASTM D6083	An acrylic, VOC compliant, and fire-resistant roof coating used as an inner-ply coat in CLP+ FR & CPM Max Systems.
Wite Brite Elastomeric Coating – Contrast FR	Contact Manufacturer	ASTM D6083	An acrylic, VOC compliant, and fire-resistant roof coating used as an inner-ply coat in CLP+ FR & CPM Max Systems.

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
ACFoam-II	Polyisocyanurate foam insulation	Atlas Roofing Corporation
H-Shield	Polyisocyanurate foam insulation	Hunter Panels, a div. of Carlisle Contruction Materials, LLC.
DensDeck	Silicon treated gypsum	Georgia-Pacific Gypsum LLC
DensDeck Prime	Silicon treated gypsum	Georgia-Pacific Gypsum LLC
MONOBOARD	Mineral wool insulation	ROXUL, Inc. dba ROCKWOOL
MONOBOARD PLUS	Mineral wool insulation	ROXUL, Inc. dba ROCKWOOL
STYROFOAM HIGHLOAD 60	Extruded Polystyrene foam insulation	DuPont de Nemours, Inc.
DEXcell™ Cement Roof Board	Cement and glass mesh cover board	National Gypsum Company a dba of New NGC, Inc.

APPROVED FASTENERS/ADHESIVES:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	#12 Standard Roofgrip	Insulation fastener for wood and steel decks.	Various	OMG, Inc.
2.	#14 Roofgrip	Insulation fastener for wood, steel and concrete decks.	Various	OMG, Inc.
3.	3 in. Ribbed Galvalume Plate	Galvalume stress plate.	3" Round	OMG, Inc.
4.	OMG XHD	Insulation fastener for wood and steel decks.	Various	OMG, Inc.
5.	OMG 2-3/8" Barbed XHD Plate	Galvalume stress plate.	2-3/8" Round	OMG, Inc.
6.	Trufast #15 EHD Fastener	Insulation fastener for wood, steel and concrete decks.	Various	Altenloh, Brinck & Co. U.S., Inc.
7.	Trufast #14 HD Fastener	Insulation fastener for wood, steel and concrete decks.	Various	Altenloh, Brinck & Co. U.S., Inc.
8.	Trufast 2.4" Barbed Metal Seam Plate	Galvalume steel stress plate.	2.4" Round	Altenloh, Brinck & Co. U.S., Inc.
9.	Trufast 3" Metal Insulation Plate	Galvalume steel stress plate.	3" Round	Altenloh, Brinck & Co. U.S., Inc.
10.	Trufast #12 DP Fastener	Insulation fastener for wood and steel decks.	Various	Altenloh, Brinck & Co. U.S., Inc.
11.	AccuTrac Flat Bottom	Aluminized steel plate for use with OMG fasteners.	3" square	OMG, Inc.
12.	3 in. Ribbed Galvalume Plate (Flat)	Galvalume stress plate.	3" Round	OMG, Inc.
13.	OMG 3" Galvalume Steel Plate	Galvalume coated steel plate.	3" Round	OMG, Inc.
14.	Wite Brite adhesive	An acrylic water-based adhesive used to seal the laps in the CLP+ FR membrane.	Contact Manufacturer	Simon Roofing and Sheet Metal Corp. dba SR Products
15.	SR Epoxy Adhesive	A two-part adhesive compound used to seal the laps in the CLP+ FR membrane.	Contact Manufacturer	Simon Roofing and Sheet Metal Corp. dba SR Products
16.	CPM Bonding Adhesive	A two-component waterproofing and adhesive compound.	Contact Manufacturer	Simon Roofing and Sheet Metal Corp. dba SR Products
17.	SR Mono Epoxy	Two-component waterproofing and adhesive compound.	Contact Manufacturer	Simon Roofing and Sheet Metal Corp. dba SR Products
18.	CPM Seam Adhesive	Two-component waterproofing and adhesive compound.	Contact Manufacturer	Simon Roofing and Sheet Metal Corp. dba SR Products

EVIDENCE SUBMITTED:

Test Agency	Test Report Identifier	Test Name	Date
Underwriters Laboratories	R19353	UL 790	07/07/20
Factory Mutual Research Corp	PR449391	FM 4470	02/07/20
	PR453626	FM 4470	11/01/21
NEMO ETC, LLC.	2-SIM-18-001.02.19	FM 4474 / TAS 114 (J)	02/04/19
	4a-SIM-19-LSWUS-01.A	FM 4474 / TAS 114 (J)	07/24/19
	4p-SIM-19-SSLAP-01.A	ASTM D6083	08/02/19
	4i-SIM-19-SSCRT-01.A	FM 4470 / TAS 114 (H) / ASTM D1876	08/05/19
	4a-SIM-19-LSWUS-02.A	FM 4474 / TAS 114 (D) / TAS 114 (J)	09/03/19
	4a-SIM-19-LSWUS-05.A.R1	FM 4474 / TAS 114 (D) / TAS 114 (J)	01/31/20
	4p-SIM-20-SSLAP-01.A	Various	05/05/20
	4p-SIM-19-SSLAP-02.A	ASTM D6083	06/08/20
	2a-SIM-20-LSWUS-01.A.R1	FM 4474 (D) / TAS 114 (J)	08/25/20
	4r-SIM-20-SSTHP-01.A	ASTM D5019 (MD Proposal #20-0066)	02/22/21
	4i-SIM-20-SSCRT-01.A	FM 4470 / TAS 114 (H) / TAS 117 (B)	02/22/21
	4p-SIM-21-SSLAP-01.A	Various	01/19/22

DECK STRESS ANALYSIS CALCULATIONS/REPORTS:

Engineer/Agency	Identifier	Assemblies	Date
Robert Nieminen, P.E.	4a-SIM-19-LSWUS-01.A	C(1)	07/24/19
Robert Nieminen, P.E.	Signed/Sealed Calculations	C(2), D(2)	11/04/20
Robert Nieminen, P.E.	Signed/Sealed Calculations	C(6), D(1), D(5)	03/17/23
FM Approval Deck Limitations	N/A	C(3), C(4), C(5), C(7), D(3), D(4)	01/01/13

APPROVED ASSEMBLIES

Membrane Type: Single Ply, CSPE

Deck Type 2I: Steel, Insulated

Deck Description: Min. 22 ga., Type B, Grade 40 steel deck secured 6" o.c. with 5/8" puddle welds to supports spaced max. 6 ft o.c. Side laps secured with Tek/1 screws spaced max 24" o.c.

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

System Type C(1): All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
ACFoam-II Minimum 1.5" thick	**1, 2, 3**	**1:2 ft^2**

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The 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.

Membrane: CLP+ FR or CPM Max adhered to the insulation substrate with SR Epoxy Adhesive applied at a rate of 1.67 gal./sq. (0.8 gallons per side). 6-inch wide laps are sealed with SR Epoxy Adhesive applied at a rate of 75 lineal ft./gallon.

Surfacing: Wite Brite CLP FR applied at a rate of 1 gal./sq.

Maximum Design Pressure: -52.5 psf. (See General Limitation #7.)

Membrane Type:	Single Ply, CSPE
Deck Type 2I:	Steel, Insulated
Deck Description:	Min. 22 ga., Type B, Grade 80 steel deck secured with Tek/5 screws and ¾" washers spaced 6" o.c. at each support spaced max. 6 ft o.c. Side laps secured with Tek/1 screws spaced max 24" o.c.
	This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.
System Type C(2):	All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II Minimum 2.0" thick	**N/A**	**N/A**
Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck Prime Minimum ½" thick	**1, 2, 3, 4**	**1:2 ft^2**

Note: Top insulation layer shall be mechanically attached using the fastener density listed above. The 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.

Membrane:	CLP+ FR or CPM Max adhered to the insulation substrate with Wite Brite adhesive or SR Epoxy Adhesive applied at a rate of 1.0 gal./sq. 6-inch wide laps are sealed with Wite Brite adhesive or SR Epoxy Adhesive applied at a rate of 75 lineal ft./gallon.
Surfacing:	Wite Brite CLP FR applied at a rate of 1 gal./sq.
Maximum Design Pressure:	-60.0 psf. (See General Limitation #7.)

Membrane Type:	Single Ply, CSPE
Deck Type 2I:	Steel, Insulated
Deck Description:	Min. 22 ga., Type B, Grade 33 steel deck secured with #12 HWH Tek/5 screws spaced 6" o.c. at each support spaced max. 6 ft o.c. Side laps secured with #10 HWH Tek/3 srews spaced max 24" o.c.
	This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.
System Type C(3):	All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following.

Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck Minimum ½" thick	**1, 2, 9, 10, 11, 12, 13**	**1:2 ft^2**

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The 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.

Membrane:	CLP+ FR or CPM Max adhered to the insulation substrate with Wite Brite adhesive or SR Epoxy Adhesive applied at a rate of 1.67 gal./sq. 6-inch wide laps are sealed with Wite Brite adhesive or SR Epoxy Adhesive applied at a rate of 37.5 ft^2/gallon.
Surfacing:	Wite Brite CLP FR applied at a rate of 1 gal./sq.
Maximum Design Pressure:	-60.0 psf. (See General Limitation #7.)

Membrane Type:	Single Ply, CSPE
Deck Type 2I:	Steel, Insulated
Deck Description:	Min. 22 ga., Type B, Grade 33 steel deck secured with #12 HWH Tek/5 screws spaced 6" o.c. at each support spaced max. 6 ft o.c. Side laps secured with #10 HWH Tek/3 screws spaced max 24" o.c.
	This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.
System Type C(4):	All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following.

Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, H-Shield Minimum 2.0" thick	**1, 2, 7, 9, 10, 13**	**1:2 ft^2**

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The 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.

Membrane:	CLP+ FR or CPM Max adhered to the insulation substrate with Wite Brite adhesive or SR Epoxy Adhesive applied at a rate of 1.67 gal./sq. 6-inch wide laps are sealed with Wite Brite adhesive or SR Epoxy Adhesive applied at a rate of 37.5 ft^2/gallon.
Surfacing:	Wite Brite CLP FR applied at a rate of 1 gal./sq.
Maximum Design Pressure:	-67.5 psf. (See General Limitation #7.)

Membrane Type:	Single Ply, CSPE
Deck Type 2I:	Steel, Insulated
Deck Description:	Min. 22 ga., Type B, Grade 33 steel deck secured with #12 HWH Tek/5 screws spaced 6" o.c. at each support spaced max. 6 ft o.c. Side laps secured with #10 HWH Tek/3 screws spaced max 24" o.c.
	This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.
System Type C(5):	All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Thermal Barrier: Min. 1.0" thick MONOBOARD or ROXUL MONOBOARD PLUS, loose-laid.

One or more layers of the following.

Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, H-Shield Maximum 2.0" thick	**1, 2, 7, 9, 10**	**1:2 ft^2**

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The 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.

Membrane:	CLP+ FR or CPM Max adhered to the insulation substrate with Wite Brite adhesive or SR Epoxy Adhesive applied at a rate of 1.67 gal./sq. 6-inch wide laps are sealed with Wite Brite adhesive or SR Epoxy Adhesive applied at a rate of 37.5 ft^2/gallon.
Surfacing:	Wite Brite CLP FR applied at a rate of 1 gal./sq.
Maximum Design Pressure:	-67.5 psf. (See General Limitation #7.)

Membrane Type:	Multi Ply, CSPE
Deck Type 2I:	Steel, Insulated
Deck Description:	Min. 22 ga., Type B, Grade 80 steel deck secured 6" o.c. with Tek/5 screws and 3/4" washers to supports spaced max. 6 ft o.c. Side laps secured with Tek/1 screws spaced max 24" o.c.
	This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.
System Type C(6):	All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
STYROFOAM HIGHLOAD 60 **Minimum 2.0" thick**	**1, 3**	**1:2 ft^2**

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The 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.

Base Sheet:	CLP+ FR or CPM Max adhered to the insulation substrate with SR Epoxy Adhesive or CPM Bonding Adhesive applied at a rate of 1.5 gal./sq. (0.75 gal./side). Laps sealed with SR Epoxy Adhesive or CPM Bonding Adhesive applied at a rate of 75 lineal ft/gal.
Membrane:	CLP+ FR or CPM Max adhered to the base sheet with CPM Coating FR or Wite Brite Elastomeric Coating – Contrast FR applied at a rate of 1.0 gal./sq. Laps sealed with SR Mono Epoxy or CPM Seam Adhesive at a rate of 75 lineal ft/gal.
Surfacing:	CPM Coating or Wite Brite Coating applied at a rate of 1.0 gal./sq.
Maximum Design Pressure:	-75.0 psf. (See General Limitation #7.)

Membrane Type:	Multi Ply, CSPE
Deck Type 2I:	Steel, Insulated
Deck Description:	Min. 22 ga., Type B, Grade 80 steel deck secured 6" o.c. with Tek/5 screws and 3/4" washers to supports spaced max. 6 ft o.c. Side laps secured with Tek/1 screws spaced max 24" o.c.
	This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.
System Type C(7):	All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Thermal Barrier: Min. $^{7}/_{16}$" DEXcell™ Cement Roof Board, loose-laid.

One or more layers of the following.

Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
STYROFOAM HIGHLOAD 60 **Minimum 2.0" thick**	**1, 3, 5, 7**	**1:2 ft^2**

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The 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.

Base Sheet:	CLP+ FR or CPM Max adhered to the insulation substrate with SR Epoxy Adhesive or CPM Bonding Adhesive applied at a rate of 1.5 gal./sq. (0.75 gal./side). Laps sealed with SR Mono Epoxy Adhesive or CPM Seam Adhesive applied at a rate of 75 lineal ft/gal.
Membrane:	CLP+ FR or CPM Max adhered to the base sheet with CPM Coating FR or Wite Brite Elastomeric Coating – Contrast FR applied at a rate of 1.0 gal./sq. Laps sealed with SR Mono Epoxy or CPM Seam Adhesive at a rate of 75 lineal ft/gal.
Surfacing:	CPM Coating or Wite Brite Coating applied at a rate of 1.0 gal./sq.
Maximum Design Pressure:	-97.5 psf. (See General Limitation #7.)

Membrane Type:	Multi Ply, CSPE
Deck Type 2I:	Steel, Insulated
Deck Description:	Min. 22 ga., Type B, Grade 80 steel deck secured 6" o.c. with Tek/5 screws and 3/4" washers to supports spaced max. 6 ft o.c. Side laps secured with Tek/1 screws spaced max 24" o.c.
	This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.
System Type D(1):	Preliminarily attached insulation, mechanically attached base sheet, membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following.

Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II Minimum 1.5" thick	**3, 4**	**1:5.3 ft^2**

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The 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.

Base Sheet:	CLP+ FR or CPM Max with the 6-inch wide laps pre-sealed with SR Mono Epoxy or CPM Seam Adhesive applied at a rate of 75 lineal ft/gal. Trufast #15 EHD Fasteners with Trufast 2.4" Barbed Metal Seam Plates, 12" o.c. over pre-sealed 6" wide side laps, spaced 73" o.c.
Membrane:	CLP+ FR or CPM Max adhered to the base sheet with CPM Coating FR or Wite Brite Elastomeric Coating – Contrast FR applied at a rate of 1.0 gal./sq. 6-inch wide laps sealed with SR Mono Epoxy or CPM Seam Adhesive at a rate of 75 lineal ft/gal.
Surfacing:	CPM Coating or Wite Brite Coating applied at a rate of 1.0 gal./sq.
Maximum Design Pressure:	-45.0 psf. (See General Limitation #7.)

Membrane Type: Single Ply, CSPE

Deck Type 2I: Steel, Insulated

Deck Description:

1. Min. 18 ga., Type B, Grade 40 steel deck attached to supports having a maximum span of 72" o.c.
2. Min. 22 ga., Type B, Grade 80 steel deck attached to supports having a maximum span of 72" o.c.

All of the above steel deck options are attached to structural supports with ITW Buildex ICH TRAXX/5 screws spaced 6" o.c. at each corrugation.
All of the above steel deck options; panel side laps are fastened 24" o.c. with ITW Buildex ICH TRAXX 1 screws.

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

System Type D(2): Membrane mechanically attached over preliminary fastened insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
ACFoam-II Minimum 1.5" thick	**N/A**	**N/A**

Note: Insulation layer shall have preliminary attachment, prior to the installation of the membrane sheet, at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft. Please refer to Roofing Application Standard RAS 117 for insulation attachment. All layers of insulation and base sheet shall be simultaneously fastened. See membrane sheet below for fasteners and density.

Membrane: CLP+ FR or CPM Max attached through preliminary attached insulation to the deck as described below.

Fastening: OMG XHD fasteners with OMG 2-3/8" Barbed XHD Plates placed 6" o.c. within min. 6" wide laps spaced 73" o.c. The seam seal is adhered with SR Epoxy Adhesive applied at a rate of 75 lineal ft./gallon.

Surfacing: Wite Brite CLP FR applied at a rate of 1 gal./sq.

Maximum Design Pressure: -60.0 psf. (See General Limitation #7.)

Membrane Type:	Multi Ply, CSPE
Deck Type 2I:	Steel, Insulated
Deck Description:	Min. 22 ga., Type B, Grade 80 steel deck secured 6" o.c. with Tek/5 screws and 3/4" washers to supports spaced max. 6 ft o.c. Side laps secured with Tek/3 screws spaced max 24" o.c.
	This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.
System Type D(3):	Preliminarily attached insulation, mechanically attached base sheet, membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Thermal Barrier: Min. $^{7}/_{16}$" DEXcell™ Cement Roof Board, loose-laid.

One or more layers of the following.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
STYROFOAM HIGHLOAD 60 **Minimum 2.0" thick**	**N/A**	**N/A**

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The 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.

Base Sheet:	CLP+ FR or CPM Max with the 6-inch wide laps pre-sealed with SR Mono Epoxy or CPM Seam Adhesive applied at a rate of 75 lineal ft/gal. Trufast #15 EHD Fasteners with Trufast 2.4" Barbed Metal Seam Plates or OMG XHD fasteners with OMG 2-3/8" Barbed XHD Plates, 6" o.c. over pre-sealed 6" wide side laps, spaced 73" o.c.
Membrane:	CLP+ FR or CPM Max adhered to the base sheet with CPM Coating FR or Wite Brite Elastomeric Coating – Contrast FR applied at a rate of 1.0 gal./sq. 6-inch wide laps sealed with SR Mono Epoxy or CPM Seam Adhesive at a rate of 75 lineal ft/gal.
Surfacing:	CPM Coating or Wite Brite Coating applied at a rate of 1.0 gal./sq.
Maximum Design Pressure:	-82.5 psf. (See General Limitation #7.)

Membrane Type:	Multi Ply, CSPE
Deck Type 2I:	Steel, Insulated
Deck Description:	Min. 22 ga., Type B, Grade 80 steel deck secured 6" o.c. with Tek/5 screws and 3/4" washers to supports spaced max. 6 ft o.c. Side laps secured with Tek/3 screws spaced max 24" o.c.
	This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.
System Type D(4):	Preliminarily attached insulation, mechanically attached base sheet, membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following.

Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, H-Shield Minimum 1.5" thick	**N/A**	**N/A**

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The 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.

Base Sheet:	CLP+ FR or CPM Max with the 6-inch wide laps pre-sealed with SR Mono Epoxy or CPM Seam Adhesive applied at a rate of 75 lineal ft/gal. Trufast #15 EHD Fasteners with Trufast 2.4" Barbed Metal Seam Plates or OMG XHD fasteners with OMG 2-3/8" Barbed XHD Plates, 6" o.c. over pre-sealed 6" wide side laps, spaced 73" o.c.
Membrane:	CLP+ FR or CPM Max adhered to the base sheet with CPM Coating FR or Wite Brite Elastomeric Coating – Contrast FR applied at a rate of 1.0 gal./sq. 6-inch wide laps sealed with SR Mono Epoxy or CPM Seam Adhesive at a rate of 75 lineal ft/gal.
Surfacing:	CPM Coating or Wite Brite Coating applied at a rate of 1.0 gal./sq.
Maximum Design Pressure:	-82.5 psf. (See General Limitation #7.)

Membrane Type:	Multi Ply, CSPE
Deck Type 2I:	Steel, Insulated
Deck Description:	Min. 22 ga., Type B, Grade 80 steel deck secured 6" o.c. with Tek/5 screws and 3/4" washers to supports spaced max. 6 ft o.c. Side laps secured with Tek/1 screws spaced max 24" o.c.
	This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.
System Type D(5):	Preliminarily attached insulation, mechanically attached base sheet, membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following.

Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II **Minimum 1.5" thick**	**3, 4**	**1:5.3 ft^2**

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The 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.

Base Sheet:	CLP+ FR or CPM Max with the 6-inch wide laps pre-sealed with SR Mono Epoxy or CPM Seam Adhesive applied at a rate of 75 lineal ft/gal. Trufast #15 EHD Fasteners with Trufast 2.4" Barbed Metal Seam Plates, 12" o.c. over pre-sealed 6" wide side laps, spaced 73" o.c.
Membrane:	CLP+ FR or CPM Max adhered to the base sheet with CPM Coating FR or Wite Brite Elastomeric Coating – Contrast FR applied at a rate of 1.0 gal./sq. 6-inch wide laps sealed with SR Mono Epoxy or CPM Seam Adhesive at a rate of 75 lineal ft/gal.
Surfacing:	CPM Coating or Wite Brite Coating applied at a rate of 1.0 gal./sq.
Maximum Design Pressure:	-90.0 psf. (See General Limitation #7.)

STEEL DECK SYSTEM LIMITATIONS:

1. If mechanical attachment to the structural deck through the lightweight insulating concrete is proposed, a field withdrawal resistance testing shall be performed to determine equivalent or enhanced fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117 and/or RAS 137, calculations shall be signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant.
2. For steel deck application where specific deck construction is not referenced: The deck shall be a minimum 22 gage attached with 5/8" puddle welds with weld washers at every flute with maximum deck spans of 5 ft. o.c.

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 side lap 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 and/or RAS 137. 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 to 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