



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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

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www.miamidade.gov/economy

Simon Roofing and Sheet Metal Corp. dba SR Products Materials Group
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 Modified Bitumen Roofing 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 renews and revises NOA No. 17-0206.04 and consists of pages 1 through 66.
The submitted documentation was reviewed by Alex Tigera.



NOA No.: 20-0527.01
Expiration Date: 03/01/26
Approval Date: 04/01/21
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ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Modified Bitumen
Material: SBS
Deck Type: Steel
Maximum Design Pressure: -172.5 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:
TABLE 1

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Pika Ply SA Sanded	39" x 33' (1 sq.)	ASTM D6164	Self-adhered, polyester reinforced membrane with a release film on the bottom and a sanded top.
Pika Ply SS-3G	39" x 33' (1sq.)	ASTM D6163	Fiberglass reinforced modified bitumen membrane sanded on both sides. Applied in hot asphalt, cold adhesive or ribbon stripped.
Pika Ply 2.2 (FS)	39" x 49' (1.5 sq.)	ASTM D6163	Glass reinforced modified bitumen membrane with a plastic burn-off film for heat weld bonding to the top side. Applied in hot asphalt, cold adhesive or ribbon stripping.
Pika Ply SS-3G (TG)	39" x 33' (1 sq.)	ASTM D6163	Fiberglass reinforced modified bitumen membrane covered on both sides with a plastic burn-off film. Applied by heat welding.
Premium Cap Sheet	39" x 33' (1 sq.)	ASTM D6163	Fiberglass reinforced modified bitumen membrane with fire retardants, sanded on the bottom and mineral granules on the top. Applied in hot asphalt, cold adhesive or ribbon stripping.
Pika Ply MS-4G(TG)	39" x 33' (1 sq.)	ASTM D6163	Fiberglass reinforced modified bitumen membrane with fire retardants a plastic burn-off film on the bottom and mineral granules on the top. Applied by heat welding.
Pika Ply SS-3P 180 Sanded	39" x 33' (1 sq.) 39" x 26' (¾ sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane sanded on both sides. Applied in hot asphalt, cold adhesive or ribbon stripping.
Pika Ply SS-4	39" x 33' (1 sq.) 39" x 26' (¾ sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane sanded on both sides. Applied in hot asphalt, cold adhesive or ribbon stripping.
Pika Ply 180 (S)	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane sanded on both sides. Applied in hot asphalt or cold adhesive.



NOA No.: 20-0527.01
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<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Pika Ply 180 (FS)	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with a plastic burn-off film on the top and sanded on the bottom.
Pika Ply 180 (SF) 3.5	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with a plastic burn-off film on the bottom and sanded on the top. Applied by heat welding or ribbon stripping (after removal of plastic burn-off film).
Pika Ply SS-3P (TG)	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced SBS modified bitumen membrane, both sides covered with a plastic burn-off film. Applied by heat welding or ribbon stripping (after removal of plastic burn-off film).
Pika Ply 250 S (TG)	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced SBS modified bitumen membrane, both sides covered with a plastic burn-off film. Applied by heat welding or ribbon stripping (after removal of plastic burn-off film).
Performance Ply MS FR	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with fire retardants a sanded bottom and a mineral granules top. Applied in hot asphalt, cold applied adhesive or ribbon stripping (after removal of plastic burn-off film).
Pika Ply MS-4	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with fire retardants a sanded bottom and a mineral granules top. Applied in hot asphalt, cold applied adhesive or ribbon stripping (after removal of plastic burn-off film).
Pika Ply MS-4 (TG)	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with fire retardants a plastic burn-off film on the bottom and mineral granules on the top. Applied by heat welding or ribbon stripping (after removal of plastic burn-off film).
Pika Ply 250 GR FR (TG)	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with fire retardants a plastic burn-off film on the bottom and mineral granules on the top. Applied by heat welding or ribbon stripping (after removal of plastic burn-off film).
Elastocol 500	various	ASTM D41	Asphalt primers.
SR Freedom Adhesive SF	5 gallon pail	Proprietary	Solvent free, polymeric adhesive.



APPROVED INSULATIONS:

Product Name	Product Description	Manufacturer (With Current NOA)
ACFoam-II, ACFoam-III	Polyisocyanurate foam insulation	Atlas Roofing Corporation
ISO 95+ GL	Polyisocyanurate foam insulation	Firestone Building Products Company, LLC
DensDeck, DensDeck Prime	Water resistant gypsum board	Georgia Pacific Gypsum LLC
Pika Ply Recover Board	Mineral fortified asphaltic cored coverboard	Simon Roofing & Sheet Metal Corp. dba SR Products
H-Shield, H-Shield CG	Polyisocyanurate foam insulation	Hunter Panels LLC
ENRGY 3, ENRGY 3 25 PSI	Polyisocyanurate foam insulation	Johns Manville Corp.
ENRGY 3 CGF, ENRGY 3 FR, ENRGY 3 AGF	Polyisocyanurate foam insulation	Johns Manville Corp.
Fesco Board	Expanded mineral fiber insulation	Johns Manville Corp.
Fesco Board HD, Retro-Fit Board, DuraBoard	Expanded mineral fiberboard	Johns Manville Corp.
Invinsa Roof Board, Invinsa FR Roof Board	High density Polyisocyanurate	Johns Manville Corp.
Ultra-Max, Multi-Max FA-3	Polyisocyanurate foam insulation	RMax Operating, LLC
SECUROCK Gypsum-Fiber Roof Board	Gypsum board	USG Corp.
Structodek High Density Fiberboard Roof Insulation	High Density wood fiber insulation board	Blue Ridge Fiberboard, Inc.
EnergyGuard Polyiso Insulation, EnergyGuard Ultra POLYISO Insulation	Polyisocyanurate foam insulation	GAF
Kingspan GreenGuard-PB6, Kingspan GreenGuard-PB6W, Kingspan GreenGuard-PB6 PLUS, Kingspan GreenGuard-PB3890	Extruded polystyrene	Kingspan Insulation LLC



APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	Tri-Fix Fastening System	Fastening system for base sheet attachment to lightweight concrete, gypsum or cementitious wood fiber decks.	3" diameter plate with various length fasteners	SOPREMA, Inc.
2.	Dekfast DF-#12-PH3, DF-#14-PH3 & DF-#15-PH3	Insulation fastener		SFS Group USA, Inc.
3.	Dekfast PLT-H-2-7/8	Galvalume AZ50 steel plate	2 7/8" x 3 1/4"	SFS Group USA, Inc.
4.	AccuTrac Hextra	Insulation fastener for wood and steel.		OMG, Inc.
5.	AccuTrac Plate	Galvalume square stress plate	3" square	OMG, Inc.
6.	OMG 3" Galvalume Steel Plate	Galvalume stress plate.	3" round	OMG, Inc.
7.	#12 Standard Roofgrip, #14 Roofgrip & #15 Roofgrip	Insulation fastener.		OMG, Inc.
8.	3 in. Round Metal Plate	Galvalume AZ50 steel plate	3" round	OMG, Inc.
9.	Trufast TL Fastener	Insulation fastener for lightweight concrete, CWF and gypsum decks		Altenloh, Brinck & Co. U.S., Inc.
10.	Trufast #14 HD Fastener	Insulation fastener for wood, steel and concrete.		Altenloh, Brinck & Co. U.S., Inc.
11.	Trufast #15 EHD Fastener	Insulation fastener for wood, steel and concrete.		Altenloh, Brinck & Co. U.S., Inc.
12.	Trufast 3" Metal Insulation Plate	Galvalume AZ50 steel plate	3" round	Altenloh, Brinck & Co. U.S., Inc.
13.	Polymer Batten Strip	Modified polymer batten bar		OMG, Inc.
14.	Dekfast PLT-R-3	Galvalume AZ50 steel plate	3" round	SFS Group USA, Inc.
15.	Trufast Flat Batten Bar	Galvalume AZ55 steel batten bar		Altenloh, Brinck & Co. U.S., Inc.
16.	Trufast Recessed Batten Bar	Galvalume AZ55 steel batten bar with recessed holes		Altenloh, Brinck & Co. U.S., Inc.
17.	#15 Roofgrip Large Head	Carbon steel fasteners used in steel, wood and concrete decks.	Various	OMG, Inc.
18.	Dekfast PLT-R-2-4B	Galvalume AZ55 steel plate	2" round	SFS Group USA, Inc.
19.	Dekfast PLT-R-2-3/8-6B	Galvalume AZ55 steel barbed plate	2.37" Round	SFS Group USA, Inc.
20.	Trufast 2" Barbed Metal Seam Plate	Galvalume steel stress plate	2" Round	Altenloh, Brinck & Co. U.S., Inc.
21.	Trufast 2.4" Barbed Metal Seam Plate	Galvalume steel stress plate	2.4" Round	Altenloh, Brinck & Co. U.S., Inc.
22.	Flat Bottom Metal Plate	Galvalume stress plate.	3" square	OMG, Inc.

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
23.	OMG 2" Barbed Plate	Galvalume stress plate	2" Round	OMG, Inc.
24.	Trufast 2.4" Scoop Seam Plate	Galvalume steel stress plate	2.4" Round	Altenloh, Brinck & Co. U.S., Inc.
25.	OMG Heavy-Duty	Insulation fastener for wood, steel and concrete.		OMG, Inc.
26.	OMG 2-3/8" Barbed XHD Plate	Galvalume stress plate	2-3/8" Round	OMG, Inc.
27.	AccuTrac Flat Bottom	Aluminized square stress plate	3" square	OMG, Inc.
28.	Trufast #12 DP Fastener	Insulation fastener for wood and steel.	Various	Altenloh, Brinck & Co. U.S., Inc.
29.	Millennium One Step Foamable Adhesive	Polyurethane two component high rise insulation adhesive		H.B. Fuller Company
30.	Millennium One Step Green Foamable Adhesive	Polyurethane two component high rise insulation adhesive		H.B. Fuller Company
31.	Millennium PG-1 Low Viscosity Insulation Adhesive	Polyurethane two component high rise insulation adhesive		H.B. Fuller Company
32.	Duotack	Two part elastomeric urethane foam adhesive.	5, 50 gallon pail	SOPREMA, Inc.
33.	Duotack Neo	Two part polyurethane foam adhesive.	5, 50 gallon pail	SOPREMA, Inc.



APPROVED SURFACING/COATING OPTIONS:

TABLE 4

Chosen components must be applied according to manufacturer's application instructions. Any coating, listed below, used as a surfacing, must be listed within a current NOA.

System Number	Manufacturer	Application
1.	Generic	Flood coat and gravel/slag with an application rate of 60 lbs./sq. & 400 lbs./sq., respectively.
2.	SR Products	Gravel applied at 400 lbs./sq., adhered with SR Freedom Adhesive SF at 4 gal./sq.
3.	Karnak Corporation	Karnak (#97 AF) Fibrated Aluminum Roof Coating applied at an application rate of 1.5 gal./sq.
4.	SOPREMA, Inc.	Cural Aluminizer applied at an application rate of 2 gal./sq.
5.	Thermo Manufacturing Systems, LLC	Super Prep Elastomeric Roof Maintenance Coating applied in two coats at an application rate of 1.5 gal./sq./coat.
6.	Quest Construction Products LLC dba United Coatings	United Coatings Roof Mate Coating, applied in one base coat at a rate of 1.5 gal./sq. and one finish coat at a rate of 1.5 gal./sq.
7.	Insulating Coatings Corporation	Astec 2000 Finish Coat applied in two base coats at a rate of 0.75 gal./sq./coat and two finish coats at a rate of 0.75 gal./sq./coat.
8.	Henry Company	HE280DC White Elastomeric Roof Coating applied in two coats at an application rate of 1 gal./sq./coat.
9.	National Coating Corp.	Acryshield® A500 applied in two coats at an application rate of 1 gal./sq./coat.
10.	SOPREMA, Inc.	R Nova Plus applied in two coats. Base coat is applied at 3 gal/sq. (1.2 L/m ²) and allowed to dry. A top coat is applied at 1 gal/sq. (0.4 L/m ²).
11.	Generic	Semi-ceramic coated colored granules.

EVIDENCE SUBMITTED:

<u>Test Agency/Identifier</u>	<u>Report</u>	<u>Name</u>	<u>Date</u>
Dynatech Engineering Corp.	2491-04.95	TAS 114	01/04/95
FM Approvals	1Z3A6.AM	FM 4470	04/27/95
	1D4A3.AM	FM 4470	04/24/98
	3002351	FM 4470	02/28/03
	3017614	FM 4470	02/27/06
	3026028	FM 4470	05/25/06
	3023458	FM 4450	07/18/06
	3029098	FM 4470	10/25/07
	3032109	FM 4470	07/21/08
	3036182	FM 4470	07/31/09
	3001445	FM 4470	02/05/99
	3X3A7.AM	FM 4470	09/08/94
	3045101	FM 4470	11/05/12
	3049322	FM 4470	01/17/14
	3008441	FM 4470	10/17/00
	3044801	FM 4470	02/27/12
	3047439	FM 4470	07/22/13
	3028410	FM 4470	02/19/07
	3045734	FM 4470	04/04/12
	3046765	FM 4470	02/15/13
	3047351	FM 4470	10/09/14
	RR203650	FM 4470	12/18/15
	3053841	FM 4470	03/27/15
	3051109	FM 4470	05/11/15
	3042559	FM 4470	10/18/11
	3054633	FM 4470	12/18/15
	3011490	FM 4470	04/22/02
	3026964	FM 4470	07/25/07
	3011494	FM 4470	08/22/01
	3034124	FM 4470	02/23/09
	3037437	FM 4470	11/09/09
	3053475	FM 4470	
	RR201595	FM 4470	06/17/15
	RR201064	FM 4470	05/01/15
	RR203157	FM 4470	11/06/15
	RR203472	FM 4470	02/05/16
UL LLC	R11436	UL 790	01/15/21
Exterior Research & Design, LLC	2003.02.97-1	TAS 114	02/15/97
	2003-2.04.97-1	TAS 114	04/15/97
	2002.07.97-1	TAS 114	08/15/97
	2716.05.98-1	TAS 114	05/27/98
	2752.02LAB.05.02-1	TAS 114	05/24/02
	2109.09.02	TAS 114	09/19/02
	2764.09.03	TAS 114	09/16/03

EVIDENCE SUBMITTED: (CONTINUED)

<u>Test Agency/Identifier</u>	<u>Report</u>	<u>Name</u>	<u>Date</u>
Exterior Research & Design, LLC	02843.02.05-2	TAS 117 & FM 4470	02/10/05
	2774.04 .05-R1	TAS 114	04/18/07
	2779.11.05-R1	TAS 114	04/18/07
Trinity ERD	S12370.03.09-1	ASTM D6164	03/06/09
	S12370.03.09-2	ASTM D6164	03/06/09
	S12370.03.09-3	ASTM D6162	03/06/09
	S11440.06.10	ASTM D4798 & TAS 110	06/01/10
	S32840.06.10-R1	TAS 117 (B)	12/11/14
	02848.04.05-R1	TAS 114	10/19/10
	S11440.01.11-R1	ASTM D6164	06/07/12
	S11440.11.10-4	ASTM D2178	11/17/10
	S11440.11.10-3-R1	ASTM D4601	01/30/13
	S11440.12.10-1-R1	ASTM D6163	06/07/12
	S30440.03.10-2-R2	FM 4470 & TAS 114	06/01/10
	S35860.12.11-1-R1	ASTM D2178	12/12/14
	S35860.12.11-2	ASTM D4601	12/12/11
	S35860.05.12-1-R2	ASTM D6163	02/14/13
	S35860.05.12-2-R3	ASTM D6164	08/28/14
	S35860.05.12-3	ASTM D6164	05/08/12
	S35860.09.12-R2	ASTM D6163	12/12/14
	S39320.01.12-R1	FM 4474 & TAS 114	05/24/12
	S39970.07.12-2	ASTM D6164	07/12/12
	S43400.08.14-6	ASTM D6164	08/26/14
	S45520.11.13-R2	Physical Properties	03/26/14
	S32700.12.10-R2	ASTM D6162	07/07/14
	S43210.11.14	ASTM D1876	11/10/14
	S43400.08.14-5	ASTM D6163	08/26/14
	S45340.10.13	FM 4474 & TAS 114	10/02/13
	S39970.07.12-R1	ASTM D6162	12/12/14
	S47160.01.14-R1	FM 4470 & TAS 114 (H)	12/11/14
	S45010.02.14	ASTM D6506	02/07/14
	S43400.08.14-7-R1	ASTM D6164	11/20/14
	S43400.09.14-9	ASTM D6164	09/02/14
	S43400.09.14-10	ASTM D6298	09/08/14
	S43400.08.14-4-R1	ASTM D6163	10/24/14
	S44110.09.14-3	ASTM D6163	09/08/14
	S44110.09.14-7C	ASTM D6164	09/02/14
	S44220.09.14-1	ASTM D6162	09/08/14
	S44220.09.14-7A	ASTM D4601	09/08/14
	S11440.11.10-3-R2	ASTM D4601 & TAS 117(B)	08/26/14
	S39500.02.12	Physical Properties	02/23/12
PRI Construction Materials Technologies, LLC	SOP-049-02-01	ASTM D1644 /D2196	05/31/12
	SOP-043-02-01	ASTM D4601	02/27/12
	SOP-042-02-01	ASTM D4601	02/27/12

EVIDENCE SUBMITTED: (CONTINUED)

<u>Test Agency/Identifier</u>	<u>Report</u>	<u>Name</u>	<u>Date</u>
PRI Construction Materials Technologies, LLC	SOP-041-02-01	ASTM D2178	02/27/12
	SOP-040-02-01	ASTM D2178	02/27/12
	SOP-010-02-01.03	TAS-138	07/26/11
	SOP-050-02-01	ASTM D3019	07/12/12
	SOP-033-02-01	FM 4474 & TAS 114	05/10/12
	SOP-056-02-01	Various	09/12/12

DECK STRESS ANALYSIS CALCULATIONS/REPORTS

<u>Engineer/Agency</u>	<u>Identifier</u>	<u>Assemblies</u>	<u>Date</u>
Robert Nieminen, P.E.	Signed/Sealed Calculations	B(2), B(3), B(4), B(6), C(5), C(6), C(8), C(9), D(2), D(3), D(4), D(11), D(14), D(15), D(18), D(21), D(24)	02/10/16
FM Approval Deck Limitations	N/A	B(1), B(5), B(7), B(8), C(1), C(2), C(3), C(4), C(7), C(10), C(11), D(1), D(5), D(6), D(7), D(8), D(9), D(10), D(12), D(13), D(16), D(17), D(19), D(20), D(22), D(23), D(25), D(26), D(27), D(28), D(29), D(30), D(31), D(32)	01/01/13



APPROVED ASSEMBLIES:

Membrane:	SBS
Deck Type 2I:	Steel, Insulated
Deck Description:	18-22 ga., Type B, Grade 33 steel deck fastened 6" o.c. with Traxx/5 fasteners into ¼" steel supports spaced maximum 6 ft. o.c. Deck side laps are attached with #12 HWH Tek 1 fasteners spaced max. 24" o.c. This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.
System Type B(1):	Optional vapor barrier followed by base layer of insulation mechanically attached, top layer adhered with approved adhesive, roof cover fully adhered.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
H-Shield, H-Shield CG, AC Foam-II, AC Foam-III, Multi-Max FA-3, UltraMax, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, EnergyGuard POLYISO Insulation		
Minimum 1.5" thick	12 or 20 (#15)	1:1.78 ft²

Note: Base layer shall use minimum two layers of insulation panels listed. Insulation panel joints shall be staggered, mechanically attached with fasteners and density described above. Alternately the first layer of insulation may be mechanically fastened as above and the second layer adhered with Duotack or Duotack Neo applied in ½" to ¾" wide ribbons spaced maximum 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
Pika Ply Recover Board		
Minimum 1/8" thick	N/A	N/A

Note: All insulations shall be adhered with Duotack or Duotack Neo applied in ½" to ¾" wide ribbons spaced maximum 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations 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.

Base Sheet:	One or two plies of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S) Pika Ply SS-3P, Pika Ply 180 (FS)* or Pika Ply SS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-25 lbs./sq. or in SR Freedom Adhesive SF at 1.5-2.5 gal./sq. Or One layer of Pika Ply SS-3G (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5 Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, torch-applied. Or One layer of Pika Ply SA Sanded, self-adhered. *Requires torch-applied ply or cap membrane.
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Ply Sheet: (Optional)	<p>One layer of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (FS)* or Pika Ply SS-4 adhered in hot asphalt at 25 lbs./sq. or in SR Freedom Adhesive SF, at 1.5-2.5 gal./sq.</p> <p>Or</p> <p>One layer of Pika Ply SS-3G (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, torch-applied.</p> <p>Or</p> <p>One layer of Pika Ply SA Sanded, self-adhered.</p> <p>*Requires torch-applied cap membrane.</p>
Membrane:	Pika Ply MS-4G (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied.
Membrane: (Continued)	<p>Or</p> <p>Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. or in SR Freedom Adhesive SF at 1.5-2.5 gal./sq. to sand surfaced membrane.</p>
Surfacing:	<p>Surfacing is Optional on granular surfaced field cap membranes.</p> <p>Surfacing is Required for smooth or sanded surfaced field cap membranes.</p> <p>Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications</p> <p>Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.</p>
Maximum Design Pressure:	-52.5 psf. (See General Limitation #7.)

Membrane: SBS

Deck Type 2I: Steel, Insulated

Deck Description: Min. 22 ga., Type B, Grade 33 steel deck fastened with ¾” puddle welds spaced 6” o.c. to supports spaced maximum 6’ o.c. Deck side laps are fastened max. 24” o.c. with Tek/1 fasteners.

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

System Type B(2): Optional vapor barrier followed by base layer of insulation mechanically attached, top layer adhered with approved adhesive, roof cover fully adhered.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
ACFoam-II, or ENRGY 3 Minimum 2” thick	7 (#12 or #14) with 27, 7 (#12) or 25 with 6, 2 (#12 or #14) with 14, 28, 10 with 12	1:2 ft ²
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
SECUROCK Gypsum-Fiber Roof Board Minimum 3/8” thick	N/A	N/A

Note: All insulations shall be adhered with hot asphalt full mop applied at a rate of 25 lbs./sq. or with Duotack, Duotack Neo, Millennium One Step Foamable Adhesive, Millennium One Step Green Foamable Adhesive, Millennium PG-1 Low Viscosity Insulation Adhesive applied in continuous ribbons maximum spacing of 12” o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations 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.

Base Sheet: Pika Ply SA Sanded, self-adhered.
Or
Pika Ply SS-3G (TG)*, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)* Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, torch-applied.
*Requires torch-applied Ply or Cap.

**Ply Sheet:
(Optional)** Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply SS-4, Pika Ply 2.2 (FS)*, or Pika Ply 180 (FS)* applied in hot asphalt at 25 lbs./sq.
Or
Pika Ply SS-3G (TG)*, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, torch-applied.
*Requires torch-applied Cap.

Membrane: Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, applied in hot asphalt at 25 lbs./sq.
Or
Pika Ply MS-4G(TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied.



Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

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



Membrane: SBS

Deck Type 2I: Steel, Insulated

Deck Description: 18-22 ga., Type B, Grade 33 steel fastened to structural supports spaced 6' o.c. with #12-24 x 1-1/4" HWH self-drilling metal screws with 1/4" washers in every flute. Deck side laps fastened with #1/4-14 x 7/8" HWH self-drilling metal screws with 1/4" washers spaced at 12" o.c.
This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type B(3): Optional vapor barrier followed by base layer of insulation mechanically fastened, top layer adhered with approved asphalt, roof cover fully adhered.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
H-Shield		
Minimum 2" thick	10 with 12	1:1.78 ft²

Note: Base layer shall be mechanically attached with fasteners and density described above. 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.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
Fesco Board		
Minimum 3/4" thick	N/A	N/A

Note: Top layer of insulation shall be adhered with ASTM D312 Type IV mopping asphalt within the EVT range and at a rate of 25 lbs./100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as the base layer shall only be used as the base layer with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Base Sheet: One layer of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (FS)*, Pika Ply SS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
(Optional) *Requires torch-applied cap membrane.



Ply Sheet:	<p>(Base sheet required for use of torch-applied ply sheets) One or more layers of Pika Ply SS-3G (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, Pika Ply 180 (SF) 3.5, torch-applied.</p> <p>Or</p> <p>One or more layers of Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply 2.2 (FS)*, Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.</p> <p>*Requires torch-applied cap membrane.</p>
Membrane:	<p>Pika Ply MS-4G(TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied.</p> <p>Or</p> <p>Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. to sand surfaced base or ply membrane.</p>
Surfacing:	<p>Surfacing is Optional on granular surfaced field cap membranes.</p> <p>Surfacing is Required for smooth or sanded surfaced field cap membranes.</p> <p>Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.</p> <p>Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.</p>
Maximum Design Pressure:	-67.5 psf. (See General Limitation #7)

Membrane: SBS

Deck Type 2I: Steel, Insulated

Deck Description: 18-22 ga. Type B, Grade 80 steel deck fastened 6" o.c. with Traxx/5 fasteners to steel supports spaced maximum 5 ft. o.c. Deck side laps fastened with Traxx/1 fasteners spaced at 20" o.c.
This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type B(4): Optional vapor barrier followed by base layer of insulation mechanically fastened, top layer adhered with approved asphalt.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 25 PSI, H-Shield Minimum 1.5" thick	2, 4, 7, 9 with approved plates	1:1.33 ft²

Note: Base layer shall be mechanically attached with fasteners and density described above. 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.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
Structodek High Density Fiberboard Roof Insulation Minimum ½" thick	N/A	N/A
Fesco Board Minimum ¾" thick	N/A	N/A

Note: Top layer of insulation shall be adhered with 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. Insulations listed as the base layer shall only be used as the base layer with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Ply Sheet: **(Required if no base sheet used)** One or more layers of Pika Ply SS-3G (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, Pika Ply 180 (SF) 3.5, torch-applied.

Or

One or more layers of Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply 2.2 (FS)*, Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

*Requires torch-applied cap membrane.



Membrane:	<p>Pika Ply MS-4G(TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied.</p> <p>Or</p> <p>Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. to sand surfaced base or ply membrane.</p>
Surfacing:	<p>Surfacing is Optional on granular surfaced field cap membranes.</p> <p>Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.</p> <p>Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.</p>
Maximum Design Pressure:	<p>-67.5 psf. (For Fesco Board) (See General Limitation #7)</p> <p>-75 psf. (For High Density Wood Fiberboard) (See General Limitation #7)</p>



Membrane: SBS

Deck Type 2I: Steel, Insulated

Deck Description: Min. 18-22 ga., Type B, Grade 80 steel deck fastened 6" o.c. with Traxx/5 fasteners into steel supports spaced maximum 6 ft. o.c. Deck side laps are attached with Traxx/1 fasteners spaced max. 30" o.c.
This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type B(5): Optional vapor barrier followed by base layer of insulation mechanically attached, top layer adhered with approved asphalt

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
ACFoam-II, ACFoam-III, H-Shield (flat or tapered) Minimum 2" thick	10	1:1.6 ft²

Note: Base layer shall be mechanically attached with fasteners and density described above. 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.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
Structodek High Density Fiberboard Roof Insulation Minimum ½" thick	N/A	N/A

Note: Top layer of insulation shall be adhered with 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. Insulations listed as the base layer shall only be used as the base layer with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Primer: Elastocol 500, applied at a rate of 1 gal./sq., to top surface of any insulation, base or ply sheet prior to application of next layer.

Base Sheet: One or more layers of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (FS)*, Pika Ply SS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
 *Requires torch-applied ply or cap membrane.

Ply Sheet: One or more layers of Pika Ply SS-3G (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Pika Ply 250 S (TG)*, torch-applied.

(Optional) Or

Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (FS)*, Pika Ply SS-4, adhered in hot asphalt at 25 lbs./sq. to sand surfaced base membrane.

*Requires torch-applied cap membrane.



Membrane: Pika Ply MS-4G(TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied.
Or
Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. to sand surfaced base or ply membrane.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

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



Membrane Type: SBS

Deck Type 2I: Steel, Insulated

Deck Description: Min. 22 ga., Type B, Grade 33 steel fastened to structural supports spaced 6' o.c. with Tek/5 screws in every flute spaced 6" o.c. Deck side laps are fastened max. 24" o.c. with Tek/1 fasteners.
This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type B(6): Insulation layer mechanically attached followed by vapor barrier, fully adhered and insulation layers adhered with approved adhesive, roof cover fully adhered.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board		
Min. 0.625-inch thick	10 with 12	1:2 ft²

Note: Base layer shall be mechanically attached with fasteners and density described above. 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.

Vapor Barrier: Pika Ply 180 (SF) 3.5, torch-applied.

Middle Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
EnergyGuard POLYISO Insulation or ENRGY 3 CGF		
Minimum 2" thick	N/A	N/A

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board		
Minimum 0.25" thick	N/A	N/A

Note: Middle and Top insulation shall be adhered with Millennium PG-1 Low Viscosity Insulation Adhesive, Duotack or Duotack Neo applied in continuous ¾" to 1" wide ribbons at a maximum spacing of 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations 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

Base Sheet: One layer of Pika Ply SS-3G (TG)*, Pika Ply 180 (SF) 3.5, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)* torch-applied.

Base Sheet: Or
(Continued) Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (FS)*, Pika Ply SS-4 adhered in SR Freedom Adhesive SF at a rate of 1.5 gal./sq. or adhered in hot asphalt at 25 lbs./sq.
 *Requires torch-applied cap membrane



Ply Sheet: (Optional)	<p>One layer of Pika Ply SS-3G (TG)*, Pika Ply 180 (SF) 3.5, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, torch-applied.</p> <p>Or</p> <p>Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (FS)*, Pika Ply SS-4 adhered in SR Freedom Adhesive SF at a rate of 1.5 gal./sq. or adhered in hot asphalt at 25 lbs./sq.</p> <p>*Requires torch-applied cap membrane</p>
Membrane:	<p>Pika Ply MS-4G(TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied with minimum 3” wide lap.</p> <p>Or</p> <p>Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, adhered in SR Freedom Adhesive SF at a rate of 1.5 gal./sq. or adhered in hot asphalt at 25 lbs./sq.</p>
Surfacing:	<p>Surfacing is Optional on granular surfaced field cap membranes.</p> <p>Surfacing is Required for smooth or sanded surfaced field cap membranes.</p> <p>Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.</p> <p>Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.</p>
Maximum Design Pressure:	-75 psf. (See General Limitation #7)

Membrane: SBS

Deck Type 2I: Steel, Insulated

Deck Description: 18-22 ga., Type B, Grade 33 steel fastened to ¼" thick structural supports spaced 6' o.c. with Traxx/5 fasteners spaced 6" o.c. Deck side laps fastened with Traxx/1 fasteners spaced at 24" o.c.
This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type B(7): Insulation layer mechanically attached followed by vapor barrier and insulation layers adhered with approved adhesive, roof cover fully adhered.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum ½" thick	10 or 11	1:2 ft ²

Note: Base layer shall be mechanically attached with fasteners and density described above. 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.

Primer: Elastocol 500 at a rate of 0.5 gal/sq.
(Optional)

Vapor Barrier: Pika Ply 180 (SF) 3.5, Pika Ply SS-3P (TG), torch-applied over primed gypsum board.
Or

Middle Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
H-Shield, H-Shield CG, ACFoam-II, ACFoam-III, Multi-Max FA-3, UltraMax, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, EnergyGuard Polyiso Insulation (flat or tapered) Minimum 1.5" thick	N/A	N/A

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
SECUROCK Gypsum-Fiber Roof Board Minimum ¼" thick	N/A	N/A

Note: Top layer of insulation shall be adhered with Duotack or Duotack Neo applied in ½" to ¾" wide ribbons spaced 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as the base layer shall only be used as the base layer with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.



Base Sheet:	<p>One layer of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (FS)* or Pika Ply SS-4 adhered in hot asphalt at 25 lbs./sq. or applied in SR Freedom Adhesive SF, applied at a rate of 1.5 – 2 gal./sq.</p> <p>Or</p> <p>One layer of Pika Ply SS-3G (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, Pika Ply SS-3P (TG), Pika Ply 250 S (TG)*, torch-applied to substrate primed with Elastocol 500.</p>
Ply Sheet: (Optional)	<p>One layer of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (FS)* or Pika Ply SS-4 adhered in hot asphalt at 25 lbs./sq. or applied in SR Freedom Adhesive SF, applied at a rate of 1.5 – 2 gal./sq.</p> <p>Or</p> <p>One layer of Pika Ply SS-3G (TG) *, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, torch-applied.</p> <p>Or</p> <p>One layer of Pika Ply SA Sanded, self-adhered.*Requires torch-applied ply or cap membrane</p>
Membrane:	<p>Pika Ply MS-4G(TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied.</p> <p>Or</p> <p>Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. or in SR Freedom Adhesive SF at 1.5-2.5 gal./sq. to sand surfaced membrane.</p>
Surfacing:	<p>Surfacing is Optional on granular surfaced field cap membranes.</p> <p>Surfacing is Required for smooth or sanded surfaced field cap membranes.</p> <p>Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.</p> <p>Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.</p>
Maximum Design Pressure:	-82.5 psf. (See General Limitation #7)

Membrane:	SBS
Deck Type 2I:	Steel, Insulated
Deck Description:	18-22 ga., Type B, Grade 33 steel fastened to ¼” thick structural supports spaced 6’ o.c. with Traxx/5 fasteners spaced 6” o.c. Deck side laps fastened with Traxx/1 fasteners spaced at 24” o.c. This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.
System Type B(8):	Base layer of insulation mechanically fastened, top layer adhered with approved adhesive.

All General and System Limitations apply.

Thermal Barrier: (Optional) Min. ¼” thick DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, DEXcell Glass Mat Roof Board, DEXcell Cement Roof Board or min. 7/16” thick DEXcell Cement Roof Board, loose-laid.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
H-Shield, ACFoam-II, Multi-Max FA-3, UltraMax Minimum 2.0” thick	10 or 11	1:1.6 ft²

Note: Base layer shall be mechanically attached with fasteners and density described above. 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.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
SECUROCK Gypsum-Fiber Roof Board Minimum ¼” thick	N/A	N/A

Note: Top layer of insulation shall be adhered with Duotack or Duotack Neo applied in ½” to ¾” wide ribbons spaced 12” o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as the base layer shall only be used as the base layer with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Base Sheet: One layer of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (FS)* or Pika Ply SS-4 adhered in hot asphalt at 25 lbs./sq. or applied in SR Freedom Adhesive SF, applied at a rate of 1.5 – 2 gal./sq.
Or
One layer of Pika Ply SS-3G (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, torch-applied to substrate primed with Elastocol 500.

*Requires torch-applied ply or cap membrane



**Ply Sheet:
(Optional)**

One layer of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (FS)* or Pika Ply SS-4 adhered in hot asphalt at 25 lbs./sq. or applied in SR Freedom Adhesive SF, applied at a rate of 1.5 – 2 gal./sq.

Or

One layer of Pika Ply SS-3G (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, torch-applied.

*Requires torch-applied ply or cap membrane

Membrane:

Pika Ply MS-4G(TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied.

Or

Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. or in SR Freedom Adhesive SF at 1.5-2.5 gal./sq. to sand surfaced membrane.

Surfacing:

Surfacing is Optional on granular surfaced field cap membranes.

Surfacing is Required for smooth or sanded surfaced field cap membranes.

Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.

Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

**Maximum Design
Pressure:**

-82.5 psf. (See General Limitation #7)

Membrane: SBS

Deck Type 2I: Steel, Insulated

Deck Description: 18-22 ga., Type B, Grade 33 steel deck fastened 6" o.c. with Traxx/5 fasteners to supports spaced maximum deck spans of 6 ft. o.c. Deck side laps are attached with Traxx/1 screws spaced 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.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
ACFoam-II, ACFoam-III, EnergyGuard POLYISO Insulation, EnergyGuard Ultra POLYISO Insulation, ENRGY 3, ENRGY 3 FR, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA-3 Minimum 1.5" thick	N/A	N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
SECUROCK Gypsum-Fiber Roof Board Minimum 0.5" thick	7 (#12 or #14) with 27, 7 (#12) or 25 with 6, 2 (#12 or #14) with 14, 28 or 10 with 12	1:1.78 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. Refer to Roofing Application Standard RAS 117 for insulation attachment.

Primer: Coverboard is primed with an approved ASTM D41 asphalt primer at a rate of 100-150 ft²/gal.
(Optional)

Base Sheet: Pika Ply SS-3G (TG)*, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, torch-applied.
*Requires torch-applied Ply or Cap.

Ply Sheet: Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply SS-4, Pika Ply 2.2 (FS)*, or Pika Ply 180 (FS)* applied in hot asphalt at 25 lbs./sq.
(Optional)
Or

Ply Sheet: Pika Ply SS-3G (TG)*, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, torch-applied.
(Optional)
Continued *Requires torch-applied Cap.

Membrane: Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, applied in hot asphalt at 25 lbs./sq.
Or
Pika Ply MS-4G(TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

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



Membrane: SBS

Deck Type 2I: Steel, Insulated

Deck Description: Min. 18-22 ga. Type B, Grade 80 steel decking over ¼” thick steel supports spaced at maximum 6 ft. o.c. attached with Traxx/5 fasteners at a spacing of 6” o.c. Deck side laps are attached 30” o.c. using Traxx/1 fasteners.
This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type C(2): All layers of insulation simultaneously attached.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 25 PSI, Multi-Max FA-3, H-Shield Minimum 1.5” thick	N/A	N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
DensDeck Minimum ¼” thick	7(#14)	1:1.78 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: One layer of Pika Ply SA Sanded, self-adhered over top insulation primed with
(Optional) ASTM D41 asphaltic primer applied at 1 gal/sq.

Ply Sheet: **(Required if no base sheet used)** One layer of Pika Ply SA Sanded, self-adhered
(Optional) over top insulation primed with ASTM D41 asphaltic primer applied at 1 gal/sq.

Or

(Required if no base sheet used) One or more layers of Pika Ply SS-3G (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, Pika Ply 180 (SF) 3.5, torch-applied.

Or

One or more layers of Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply 2.2 (FS)*, Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

*Requires torch-applied cap membrane.



Membrane: Pika Ply MS-4G(TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied.

Or

Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. to sand surfaced base or ply membrane.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

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



Membrane: SBS

Deck Type 2I: Steel, Insulated

Deck Description: Min. 18-22 ga., Type B, Grade 80 steel deck fastened 6" o.c. with Traxx/5 fasteners into steel supports spaced maximum 6 ft. o.c. Deck side laps are attached with Traxx/1 fasteners spaced max. 30" 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.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
ACFoam-II, ACFoam-III, ENRGY 3, H-Shield, Multi-Max FA-3 Minimum 1.4" thick	N/A	N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
DensDeck Minimum ¼" thick	2(#14)	1:1.78 ft²

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. Refer to Roofing Application Standard RAS 117 for insulation attachment.

Primer: Elastocol 500, applied at a rate of 1 gal./sq., to top surface of any insulation, base
(Optional) or ply sheet prior to application of next layer.

Base Sheet: One layer of Pika Ply SA Sanded, self-adhered over primed top insulation.

(Optional)

Ply Sheet: **(Required if no base sheet used)** One layer of Pika Ply SA Sanded, self-adhered
(Optional) over primed top insulation.

Or

(Required if no base sheet used) One or more layers of Pika Ply SS-3G (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Pika Ply 250 S (TG)*, torch-applied.

Or

One or more layers of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (FS)*, Pika Ply SS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

*Requires torch-applied cap membrane.

Membrane: Pika Ply MS-4G(TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied.

Or

Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, adhered in hot asphalt at 25 lbs./sq.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

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



Membrane: SBS

Deck Type 2I: Steel, Insulated

Deck Description: 18-22 ga., Type B, Grade 33 steel deck fastened 6" o.c. with Traxx/5 fasteners to supports spaced maximum deck spans of 6 ft. o.c. Deck side laps are attached with Traxx/1 screws spaced 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.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
ACFoam-II, H-Shield, ISO 95+ GL, ENRGY 3 Minimum 2" thick	N/A	N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
SECUROCK Gypsum-Fiber Roof Board Minimum ½" thick (4'x8')	2, 6, 10, 11	1:1.78 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. Refer to Roofing Application Standard RAS 117 for insulation attachment.

Primer: Elastocol 500, applied at a rate of 1 gal./sq., to top surface of any insulation, base
(Optional) or ply sheet prior to application of next layer.

Base Sheet: One or more layers of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (FS)*, Pika Ply SS-4, adhered in hot asphalt at 25 lbs./sq.
 *Requires torch-applied ply or cap membrane.

Ply Sheet: One or more layers of Pika Ply SS-3G (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P
(Optional) (TG)*, Pika Ply 180 (SF) 3.5, Pika Ply 250 S (TG)*, torch-applied.

Or

Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (FS)*, Pika Ply SS-4, adhered in hot asphalt at 25 lbs./sq. to sand surfaced base membrane.

*Requires torch-applied cap membrane.

Membrane: Pika Ply MS-4G(TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied.

Or

Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, adhered in hot asphalt at 25 lbs./sq. to sand surfaced base or ply membrane.



Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

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



Membrane: SBS

Deck Type 2I: Steel, Insulated

Deck Description: 18-22 ga., Type B, Grade 33 steel deck fastened 6" o.c. with Traxx/5 fasteners to supports spaced maximum deck spans of 6 ft. o.c. Deck side laps are attached with Traxx/1 screws spaced 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.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
Any approved polyisocyanurate or EPS or XPS listed in Table 2 Minimum 1" thick	N/A	N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
Pika Ply Recover Board Minimum 1/8" thick	2, 7, 10, 11	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. Refer to Roofing Application Standard RAS 117 for insulation attachment.

Primer: Elastocol 500 applied at a rate of 1 gal./sq., to top surface of any insulation, base or
(Optional) ply sheet prior to application of next layer.

Base Sheet: One or more layers of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply SS-3P, Pika Ply 180 (S), Pika Ply 180 (FS)* or Pika Ply SS-4, adhered in hot asphalt at 25 lbs./sq.
Or

One or more layers of Pika Ply SS-3G (TG)*, Pika Ply 180 (SF)*, Pika Ply 180 (SF) 3.5Pika Ply SS-3P (TG), Pika Ply 250 S (TG)*, torch-applied.

*Requires torch-applied ply or cap membrane.

Ply Sheet: One layer of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (FS)* or Pika Ply SS-4 adhered in hot asphalt at 25 lbs./sq. to sand
(Optional) surfaced base membrane.

Or

One layer of Pika Ply SS-3G (TG) *, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, torch-applied.

*Requires torch-applied cap membrane.



Membrane: Pika Ply MS-4G(TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied.
Or
Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, adhered in hot asphalt at 25 lbs./sq. to sand surfaced base or ply membrane.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

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

Membrane: SBS

Deck Type 2I: Steel, Insulated

Deck Description: 18-22 ga., Type B, Grade 33 steel deck fastened 6" o.c. with Traxx/5 fasteners to supports spaced maximum deck spans of 6 ft. o.c. Deck side laps are attached with Traxx/1 screws spaced 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.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
Any approved polyisocyanurate or EPS or XPS listed in Table 2 Minimum 1" thick	N/A	N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
Pika Ply Recover Board Minimum 1/8" thick	2, 7, 10, 11	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. Refer to Roofing Application Standard RAS 117 for insulation attachment.

**Primer:
(Optional)** Elastocol 500 applied at a rate of 1 gal./sq., to top surface of any insulation, base or ply sheet prior to application of next layer.

Base Sheet: One or more layers of Pika Ply 180 (S), Pika Ply 180 (FS)* or Pika Ply SS-4, adhered in hot asphalt at 25 lbs./sq.

Or

Pika Ply SS-3P (TG), Pika Ply 250 S (TG)*, torch-applied.

*Requires torch-applied ply or cap membrane.

**Ply Sheet:
(Optional)** One layer of Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (FS)* or Pika Ply SS-4 adhered in hot asphalt at 25 lbs./sq. to sand surfaced base membrane.

Or

One layer of Pika Ply SS-3G (TG) *, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, torch-applied

*Requires torch-applied cap membrane.



Membrane: Pika Ply MS-4G(TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied.

Or

Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, adhered in hot asphalt at 25 lbs./sq. to sand surfaced base or ply membrane.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

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



Membrane: SBS

Deck Type 2I: Steel, Insulated

Deck Description: 18-22 ga., Type B, Grade 80 steel deck fastened 6" o.c. with Traxx/5 fasteners to supports spaced maximum deck spans of 6 ft. o.c. Deck side laps are attached with Traxx/1 screws spaced 30" 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.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
ACFoam-II, ACFoam-III, EnergyGuard POLYISO Insulation, EnergyGuard Ultra POLYISO Insulation, ENRGY 3, ENRGY 3 FR, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA-3 Minimum 1.5" thick	N/A	N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
DensDeck Prime Minimum 0.5" thick	25 with 6, 10	1:1.6 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. Refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: Two plies of Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply SS-3P adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Membrane: Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, or applied in hot asphalt at 25 lbs./sq.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications. Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

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



Membrane: SBS

Deck Type 2I: Steel, Insulated

Deck Description: 18-22 ga., Type B, Grade 80 steel deck fastened 6" o.c. with Traxx/5 fasteners to supports spaced maximum deck spans of 6 ft. o.c. Deck side laps are attached with Traxx/1 screws spaced 24" o.c.
This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type C(8): All layers of insulation simultaneously attached.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
ACFoam-II, ACFoam-III, EnergyGuard POLYISO Insulation, EnergyGuard Ultra POLYISO Insulation, ENRGY 3, ENRGY 3 FR, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA-3 Minimum 1.5" thick	N/A	N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
SECUROCK Gypsum-Fiber Roof Board Minimum 0.375" thick	11 with 12	1:1.33 ft²

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. Refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: Pika Ply SS-3G (TG)*, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, torch-applied.

*Requires torch-applied Ply or Cap.

**Ply Sheet:
(Optional)** Pika Ply SS-3G (TG)*, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, torch-applied.

or

Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply SS-4, Pika Ply 2.2 (FS)*, or Pika Ply 180 (FS)* applied in hot asphalt at 25 lbs./square.

*Requires torch-applied Cap.

Membrane: Pika Ply MS-4G(TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied.

or

Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, applied in hot asphalt at 25 lbs./square.



Surfacing:

Surfacing is Optional on granular surfaced field cap membranes.

Surfacing is Required for smooth or sanded surfaced field cap membranes.

Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.

Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

**Maximum Design
Pressure:**

-75 psf. (See General Limitation #7.)



Membrane: SBS

Deck Type 2I: Steel, Insulated

Deck Description: 18-22 ga. Type B, Grade 80 steel fastened 6" o.c. with Traxx/5 fasteners to steel supports spaced maximum 5 ft. o.c. Deck side laps fastened with Traxx/1 fasteners spaced at 20" o.c.
This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type C(9): All layers of insulation simultaneously attached.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
Any Approved Polyiso insulation listed in Table 2 (flat or tapered) loose laid. Minimum 1.5" thick	N/A	N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
Pika Ply Recover Board Minimum 1/8" thick	2, 7, 11	1:1.25 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. Refer to Roofing Application Standard RAS 117 for insulation attachment.

Primer: Elastocol 500 applied at a rate of 1 gal./sq., to top surface of any insulation, base or
(Optional) ply sheet prior to application of next layer.

Base Sheet: One or more layers of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, , Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (FS)* or Pika Ply SS-4, adhered in a full mopping of approved asphalt, applied within the EVT range and at a rate of 20-40 lbs./sq.
 Or
 Pika Ply SS-3G*, Pika Ply 180 (SF)*, Pika Ply 180 (SF) 3.5, Pika Ply SS-3P (TG), Pika Ply 250 S (TG)*, torch-applied.
 *Requires torch-applied ply or cap membrane.

Ply Sheet: One layer of Pika Ply SS-3G (TG) *, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5,
(Optional) Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, torch-applied.

Or

One layer of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (FS)* or Pika Ply SS-4 adhered in a full mopping of approved asphalt, applied within the EVT range and at a rate of 20-40 lbs./sq. to sand surfaced base membrane.
 *Requires torch-applied cap membrane.



Membrane: Pika Ply MS-4G(TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied.
Or
Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, adhered in hot asphalt at 25 lbs./sq. to sand surfaced base or ply membrane.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -90 psf. (See General Limitation #7.)

Membrane: SBS

Deck Type 2I: Steel, Insulated

Deck Description: Min. 18-22 ga., Type B, Grade 80 steel deck secured to min. ¼” thick supports spaced a max. 6’ o.c. with Traxx/5 fasteners spaced a max. 6” o.c. Deck side laps are attached with Traxx/1 screws spaced 24” o.c.
This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type C(10): All layers of insulation simultaneously attached.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
DensDeck or DensDeck Prime Minimum .25” thick	N/A	N/A
Middle Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
H-Shield, ACFoam-II, ISO 95+ GL, Multi-Max FA-3, ENRGY 3 Minimum 1.5” thick	N/A	N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum .5” thick	10, 11 with 12	1:1.33 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. Refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: Pika Ply 2.2 (FS)*, Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (FS)*, Pika Ply SS-4 adhered in SR Freedom Adhesive SF at a rate of 1.5 gal./sq. or adhered in hot asphalt at 25 lbs./sq.
Or
Pika Ply SS-3G (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, torch-applied.
*Requires torch-applied Cap.

Membrane: Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, adhered in SR Freedom Adhesive SF at a rate of 1.5 gal./sq. or adhered in hot asphalt at 25 lbs./sq.
Or
Pika Ply MS-4G(TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied.



Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -90 psf. (See General Limitation #7.)



Membrane: SBS

Deck Type 2I: Steel, Insulated

Deck Description: 18-20 ga., Type B, Grade 80 steel deck fastened to min. ¼” thick steel structural supports spaced a maximum 6 ft. o.c. with Traxx/5 screws and ¾” diameter washers spaced maximum 6 in. o.c. Side laps are fastened with Traxx/1 screws spaced maximum 12 in. o.c.
This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type C(11): All layers of insulation simultaneously attached.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer:	Insulation Fasteners (Table 3)	Fastener Density/ft²
H-Shield, ACFoam-II		
Minimum 1.5” thick	N/A	N/A
Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.		
Top Insulation Layer:	Insulation Fasteners (Table 3)	Fastener Density/ft²
SECUROCK Gypsum-Fiber Roof Board		
Minimum ½” thick	10 with 12	1:1.33 ft ²
Minimum ½” thick	10 with 12	1:1 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. Refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: Two plies of Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 2.2 (FS)*, or Pika Ply 180 (FS)* adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. or adhered in SR Freedom Adhesive SF at a rate of 1.5 gal./sq.
Or
Two plies of Pika Ply SS-3G (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, torch-applied over coverboard primed with ASTM D41 primer at a rate of 100-150 ft²/gal.
Or
Pika Ply SA Sanded, self-adhered.
*Requires torch-applied Ply or Cap sheet.

**Ply Sheet:
(Optional)** One ply of Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 2.2 (FS)*, or Pika Ply 180 (FS)* adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. or adhered in SR Freedom Adhesive SF at a rate of 1.5 gal./sq.
Or
One ply of Pika Ply SS-3G (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, torch-applied over coverboard primed with ASTM D41 primer at a rate of 100-150 ft²/gal.
*Requires torch-applied Cap.



Membrane:	Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. Or Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied.
Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications. Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-157.5 psf. (fastener density of 1:1.33 ft ²) (See General Limitation #7) -172.5 psf. (fastener density of 1:1 ft ²) (See General Limitation #7)

Membrane: SBS

Deck Type 2I: Steel, Insulated

Deck Description: 18 ga. Type 3N, Grade 33 steel decking attached to minimum ½” thick, W14 x 43 purlins with an 8” wide top flange spaced maximum 9 ft. o.c. using ¾” puddle welds spaced 8” o.c. (every bottom flute). Two welds per attachment point, spaced 4” apart. Steel deck side laps are attached 24” o.c. with Traxx/1 fasteners. **This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.**

System Type D(1): Membrane fastened over preliminary fastened insulation.

All General and System Limitations apply.

One or more layers of any of the following insulations.

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

Note: Top layer shall have preliminary attachment, prior to the installation of the base/anchor 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. All layers of insulation and base sheet shall be simultaneously fastened. See base/anchor sheet below for fasteners and density.

Base Sheet: One layer of Pika Ply 250 S (TG) fastened through the insulation to the structural deck using Dekfast DF-#15-PH3 fasteners and 70-mm round plates spaced 16” o.c. in a 5” wide lap and 16” o.c. in one center row. The side lap fastener row is encapsulated in the torch-applied lap and the center row is stripped-in with an 8” wide strip of torch-applied membrane.

**Ply Sheet:
(Optional)** One or more layers of Pika Ply 180 (SF), Pika Ply SS-3P (TG), Pika Ply 250 S (TG),, or Pika Ply 180 (SF) 3.5, torch-applied.

Membrane: Pika Ply MS-4G (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

**Maximum Design
Pressure:** -112.5 psf. (See General Limitation #7.)



Membrane: SBS

Deck Type 2I: Steel, Insulated

Deck Description: 18 ga., Type 3N, Grade 33 steel decking attached to minimum ½" thick, W14 x 43 purlins with an 8" wide top flange spaced maximum 9 ft. o.c. using ¾" puddle welds spaced 8" o.c. (every bottom flute). Two welds per attachment point, spaced 4" apart. Steel deck side laps are attached 24" o.c. with Teksl fasteners.
This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type D(2): Membrane fastened over preliminarily secured insulation.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
Mearlcrete Lightweight Insulating Concrete Minimum 2.0" thick, Minimum 300 psi.	N/A	N/A

Note: Load capacity of the structural substrate must be verified for the additional load of the LWC. The LWC must be properly vented.

Base Sheet: One layer of Pika Ply 250 S (TG) fastened through the lightweight concrete to the deck as described below:

Fastening: Attach base sheet using Dekfast DF-#15-PH3 fasteners with approved, 70 mm round, plates spaced 16" o.c. in a 5" wide lap and 16" o.c. in one center row. The side lap fastener row is encapsulated in the torched/heat fused lap and the center row is stripped-in with and 8" wide strip of torch-applied membrane.

**Ply Sheet:
(Optional)** One or more plies of Pika Ply SS-3G (TG), Pika Ply 180 (SF), Pika Ply SS-3P (TG), Pika Ply 250 S (TG), Pika Ply 180 (SF) 3.5, torch-applied.

Membrane: Pika Ply MS-4G(TG), Pika Ply MS-4 (TG) Pika Ply 250 GR FR (TG), torch-applied.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above or any Miami-Dade approved coating system.

**Maximum Design
Pressure:** -112.5 psf. (See General Limitation #7)



Membrane: SBS

Deck Type 2I: Steel, Insulated

Deck Description: 18-22 ga. **(See fastening options for steel gage)**, Type B, Grade 33 steel deck fastened to ¼” thick steel structural supports spaced a maximum of 62”- 72” o.c. **(See fastening options support spans)** with Traxx/5 fasteners and ¾” diameter steel washers spaced a maximum 6” o.c. at the supports. Side laps are fastened with Traxx/1 fasteners spaced 24 in. o.c.
This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type D(3): Membrane fastened over preliminarily secured insulation.

All General and System Limitations apply.

Fire Barrier: Minimum ¼” thick DensDeck or DensDeck Prime, loose-laid. Minimum ½” **(Optional)** thickness required if applying a vapor barrier.

Vapor Barrier: An FM approved vapor barrier approved for use with torch-adhered, self-adhered, hot asphalt or cold applied may be applied to the deck or over the base insulation layer. **(Optional)**

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
ACFoam-II, ISO 95+ GL, Ultra-Max, H-Shield Minimum 1.5” thick	N/A	N/A
Top Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
Pika Ply Recover Board Minimum 1/8” thick	N/A	N/A
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum ¼” thick	N/A	N/A

Note: Top layer shall have preliminary attachment, prior to the installation of the base/anchor 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. All layers of insulation and base sheet shall be simultaneously fastened. See base/anchor sheet below for fasteners and density.

Base Sheet: One layer of Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (SF) 3.5, or Pika Ply SS-4 fastened to the deck as described below:

Fastening #1: *(Min. 18-22 ga. Steel in max. 72” support span)*
 Attach base sheet using Trufast #15 EHD Fasteners with Trufast 2” Barbed Metal Seam Plates with row spacing at a maximum 35.5” o.c. The fasteners are spaced 12” o.c. and centered inside the 4” wide, torch-applied base sheet side laps.
(Meets Maximum Design Pressure of –67.5 psf. See General Limitation #7.)



- Fastening #2:** *(Min. 18-22 ga. Steel in max. 72" support span)*
Attach base sheet using Trufast #15 EHD Fasteners with Trufast 2.4" Scoop Seam Plates with row spacing at a maximum 35.5" o.c. The fasteners are spaced 12" o.c. and centered inside the 4" wide, torch-applied base sheet side laps.
(Meets Maximum Design Pressure of -75 psf. See General Limitation #7.)
- Fastening #3:** *(Min. 18 ga. Steel in max. 72" support span; Min. 20 ga. Steel in max. 69" support span; Min. 22 ga. steel in max. 62" support span.)*
Attach base sheet using Trufast #15 EHD Fasteners with Trufast 2" Barbed Metal Seam Plates or Trufast 2.4" Scoop Seam Plates with row spacing at a maximum 35.5" o.c. The fasteners are spaced 6" o.c. and centered inside the 4" wide torch-applied base sheet side laps.
(Meets Maximum Design Pressure of -112.5 psf. See General Limitation #7.)
- Membrane:** Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. or in SR Freedom Adhesive SF at 1.5 – 2.0 gallons/square. The 3" wide side laps are adhered with the same adhesive or torch-applied.
- Surfacing:** Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.
- Maximum Design Pressure:** See Fastening Requirements above.

Membrane: SBS

Deck Type 2I: Steel, Insulated

Deck Description: 18-22 ga., Type B, Grade 80 steel deck fastened to ¼” thick steel structural supports spaced a maximum of 6’ o.c. with Traxx/5 fasteners and ¾” diameter steel washers spaced a maximum 6” o.c. at the supports. Side laps are fastened with Traxx/1 fasteners spaced 12 in. o.c.
This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type D(4): Membrane fastened over preliminarily secured insulation.

All General and System Limitations apply.

Fire Barrier: Minimum ¼” thick DensDeck or DensDeck Prime, loose-laid. Minimum ½”
(Optional) thickness required if applying a vapor barrier.

Vapor Barrier: An FM approved vapor barrier approved for use with torch-adhered, self-adhered,
(Optional) hot asphalt or cold applied may be applied to the deck or over the base insulation layer.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
ACFoam-II, ISO 95+ GL, Ultra-Max, H-Shield Minimum 1.5” thick	N/A	N/A
Top Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft²
Pika Ply Recover Board Minimum 1/8” thick	N/A	N/A
DensDeck, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board Minimum ¼” thick	N/A	N/A

Note: Top layer shall have preliminary attachment, prior to the installation of the base/anchor 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. All layers of insulation and base sheet shall be simultaneously fastened. See base/anchor sheet below for fasteners and density.

Base Sheet: One layer of Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (SF) 3.5, or Pika Ply SS-4 fastened to the deck as described below:

Fastening #1: Attach base sheet using Trufast #14 HD Fasteners with Trufast 2” Barbed Metal Seam Plates with row spacing at a maximum 35.5” o.c. The fasteners are spaced 12” o.c. and centered inside the 4” wide torch-applied base sheet side laps.
(Meets Maximum Design Pressure of -67.5 psf. See General Limitation #7.)

Fastening #2: Attach base sheet using Trufast #14 HD Fasteners with Trufast 2.4” Scoop Seam Plates with row spacing at a maximum 35.5” o.c. The fasteners are spaced 12” o.c. and centered inside the 4” wide torch-applied base sheet side laps.
(Meets Maximum Design Pressure of -75 psf. See General Limitation #7.)



Fastening #3	Attach base sheet using Trufast #15 EHD Fasteners with Trufast 2.4" Scoop Seam Plates with row spacing at a maximum 35.5" o.c. The fasteners are spaced 12" o.c. and centered inside the 4" wide torch-applied base sheet side laps. <i>(Meets Maximum Design Pressure of -97.5 psf. See General Limitation #7.)</i>
Fastening #4:	Attach base sheet using Trufast #14 HD or Trufast #15 EHD Fasteners with Trufast 2" Barbed Metal Seam Plates or Trufast 2.4" Scoop Seam Plates with row spacing at a maximum 35.5" o.c. The fasteners are spaced 6" o.c. and centered inside the 4" wide torch-applied base sheet side laps. <i>(Meets Maximum Design Pressure of -120 psf. See General Limitation #7.)</i>
Membrane:	Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. or in SR Freedom Adhesive SF, at 1.5 – 2.0 gallons/square. The 3" wide side laps are adhered with the same adhesive or torch-applied.
Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications. Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	See Fastening Requirements above.

Membrane: SBS

Deck Type 2I: Steel, Insulated

- Deck Description:**
1. Minimum 22 ga., Grade 80, Type B steel deck attached to supports having a maximum span of 72" o.c.
 2. Minimum 22 ga., Grade 33, Type B steel deck attached to supports having a maximum span of 54" o.c.
 3. Minimum 20 ga., Grade 33, Type B steel deck attached to supports having a maximum span of 60" o.c.
 4. Minimum 18 ga., Grade 33, Type B steel deck attached to supports having a maximum span of 70" o.c.

All of the above steel deck options are attached to structural supports with two Traxx/5 fasteners and 0.75" diameter washer spaced 6" o.c. at each corrugation.

All of the above steel deck options; panel side laps are fastened 12" o.c. with Traxx/1 fasteners.

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

System Type D(5): Membrane fastened over preliminarily secured insulation.

All General and System Limitations apply.

Fire Barrier: Minimum 5/8" thick SECUROCK Gypsum-Fiber Roof Board, DensDeck, DensDeck Prime, pre-secured with a maximum contributory area of 1:4 ft²
(Optional)

Vapor Barrier: One or more layers of Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply SS-4, Pika Ply 2.2 (FS), adhered in hot asphalt at 25 lbs./sq.
(Optional) Or
Pika Ply SS-3G (TG), Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, Pika Ply SS-3P (TG), or Pika Ply 250 S (TG), torch-applied.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
ACFoam-II, ISO 95+ GL, H-Shield, ENRGY 3, Ultra-Max Minimum 1.5" thick	N/A	N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

Top Insulation Layer**Insulation Fasteners
(Table 3)****Fastener
Density/ft²****SECUROCK Gypsum-Fiber Roof Board, DensDeck, DensDeck Prime
Minimum 0.5" thick****2, 9, 36, 37****1:4 ft²**

Note: Insulation layer shall have preliminary attachment, prior to the installation of the base/anchor 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. All layers of insulation and base sheet shall be simultaneously fastened. See base/anchor sheet below for fasteners and density.

Primer: Coverboard is primed with an approved ASTM D41 asphalt primer at a rate of 100-150 ft²/gal.
(Optional)

Base Sheet: One layer of Pika Ply SS-3P (TG), Pika Ply 250 S (TG), fastened as specified below.

*For use only when using 2 in. diameter plates.

Fastening: Mechanically attach base sheet with Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 fasteners with Dekfast PLT-R-2-4B, Dekfast Galvalume Steel Round 2-3/8" 20 ga. Barbed plates, Trufast #15 EHD Fasteners with Trufast 2" Barbed Metal Stress Plates or Trufast 2.4" Barbed Metal Seam Plates, , spaced maximum 12" o.c. through the minimum 3" wide side lap and two equally spaced staggered rows in the field of the membrane.

Ply Sheet: Pika Ply SS-3G (TG), Pika Ply SS-3P (TG), Pika Ply 250 S (TG), torch-applied.

Membrane: Pika Ply MS-4G(TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

**Maximum Design
Pressure:**

-150 psf. (See General Limitation #7.)



Membrane: SBS

Deck Type 2I: Steel Insulated

- Deck Description:**
1. Minimum 22 ga., Grade 80, Type B steel deck attached to supports having a maximum span of 72" o.c.
 2. Minimum 22 ga., Grade 33, Type B steel deck attached to supports having a maximum span of 54" o.c.
 3. Minimum 20 ga., Grade 33, Type B steel deck attached to supports having a maximum span of 60" o.c.
 4. Minimum 18 ga., Grade 33, Type B steel deck attached to supports having a maximum span of 70" o.c.

All of the above steel deck options are attached to structural supports with two Traxx/5 fasteners and 0.75" diameter washer spaced 6" o.c. at each corrugation.

All of the above steel deck options; panel side laps are fastened 12" o.c. with Traxx/1 fasteners.

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

System Type D(6): Membrane fastened over preliminarily secured insulation.

All General and System Limitations apply.

Fire Barrier: Minimum 5/8" thick SECUROCK Gypsum-Fiber Roof Board, DensDeck, (Optional) DensDeck Prime, pre-secured with a maximum contributory area of 1:4 ft²

Vapor Barrier: One or more layers of Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply SS-3P, Pika (Optional) Ply SS-4, Pika Ply 2.2 (FS), adhered in hot asphalt at 25 lbs./sq.
Or
Pika Ply SS-3G (TG), Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, Pika Ply SS-3P (TG), or Pika Ply 250 S (TG), torch-applied.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
ACFoam-II, ISO 95+ GL, H-Shield, ENRGY 3, Ultra-Max Minimum 1.5" thick	N/A	N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
SECUROCK Gypsum-Fiber Roof Board, DensDeck, DensDeck Prime Minimum 0.5" thick	15, 2, 10 or 11	1:4 ft ²

Note: Insulation layer shall have preliminary attachment, prior to the installation of the base/anchor 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. All layers of insulation and base sheet shall be simultaneously fastened. See base/anchor sheet below for fasteners and density.

Primer: Coverboard is primed with an approved ASTM D41 asphalt primer at a rate of
(Optional) 100-150 ft²/gal.

Base Sheet: One Layer of Pika Ply 180 (SF) 3.5, fastened as specified below:

Fastening: Mechanically attach torch-applied base sheet with Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 fasteners with Dekfast PLT-R-2-4B, Dekfast PLT-R-2-3/8-6Bs, Trufast #15 EHD Fasteners with Trufast 2" Barbed Metal Stress Plates or Trufast 2.4" Barbed Metal Seam Plates, spaced maximum 12" o.c. through the minimum 3" wide side lap and two equally spaced staggered rows in the field of the membrane

Ply Sheet: Pika Ply 2.2 (FS), adhered in full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Membrane: Pika Ply MS-4G(TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied with minimum 3" wide side lap.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -150 psf. (See General Limitation #7.)



Membrane: SBS

Deck Type 2I: Steel, Insulated

- Deck Description:**
1. Minimum 22 ga., Grade 80, Type B steel deck attached to supports having a maximum span of 72" o.c.
 2. Minimum 22 ga., Grade 33, Type B steel deck attached to supports having a maximum span of 54" o.c.
 3. Minimum 20 ga., Grade 33, Type B steel deck attached to supports having a maximum span of 60" o.c.
 4. Minimum 18 ga., Grade 33, Type B steel deck attached to supports having a maximum span of 70" o.c.

All of the above steel deck options are attached to structural supports with two Traxx/5 fasteners and 0.75" diameter washer spaced 6" o.c. at each corrugation.

All of the above steel deck options; panel side laps are fastened 12" o.c. with Traxx/1 fasteners.

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

System Type D(7): Membrane fastened over preliminarily secured insulation.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
ACFoam-II, ISO 95+ GL, H-Shield, ENRGY 3, Ultra-Max Minimum 1.5" thick	N/A	N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
SECUROCK Gypsum-Fiber Roof Board, DensDeck, DensDeck Prime Minimum 0.5" thick	2, 10, 11	1:4 ft²

Note: Insulation layer shall have preliminary attachment, prior to the installation of the base/anchor 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. All layers of insulation and base sheet shall be simultaneously fastened. See base/anchor sheet below for fasteners and density.

Primer: (Optional)	Coverboard is primed with an approved ASTM D41 asphalt primer at a rate of 100-150 ft ² /gal.
Base Sheet:	One layer of Pika Ply 180 (SF) 3.5, torch-applied to coverboard.
Fastening:	Mechanically attach base sheet with Dekfast DF-#14-PH3 Dekfast DF-#15-PH3 fasteners with Dekfast PLT-R-2-4B, Dekfast Galvalume Steel Round 2-3/8" 20 ga. Barbed plates, Trufast #15 EHD Fasteners with Trufast 2" Barbed Metal Stress Plates or Trufast 2.4" Barbed Metal Seam Plates spaced maximum 12" o.c. through the minimum 3" wide side lap and two equally spaced staggered rows in the field of the membrane
Ply Sheet:	Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, torch-applied. Or Pika Ply 180 (S), Pika Ply SS-3G, Pika Ply SS-3P, Pika Ply SS-4, adhered in full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
Membrane:	Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, adhered in full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications. Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-150 psf. (See General Limitation #7.)

Membrane: SBS

Deck Type 2I: Steel, Insulated

Deck Description:

1. Minimum 20 ga., Grade 80, Type B steel deck attached to supports having a maximum span of 72" o.c.
2. Minimum 22 ga., Grade 80, Type B steel deck attached to supports having a maximum span of 69" o.c.
3. Minimum 22 ga., Grade 33, Type B steel deck attached to supports having a maximum span of 51" o.c.
4. Minimum 20 ga., Grade 33, Type B steel deck attached to supports having a maximum span of 57" o.c.
5. Minimum 18 ga., Grade 33, Type B steel deck attached to supports having a maximum span of 66" o.c.

All of the above steel deck options are attached to structural supports with two Traxx/5 fasteners and 0.75" diameter washer spaced 6" o.c. at each corrugation.

All of the above steel deck options; panel side laps are fastened 12" o.c. with Traxx/1 fasteners.

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

System Type D(8): Membrane fastened over preliminarily secured insulation.

All General and System Limitations apply.

Fire Barrier: Minimum 5/8" thick SECUROCK Gypsum-Fiber Roof Board, DensDeck, (Optional) DensDeck Prime, pre-secured with a maximum contributory area of 1:4 ft²

Vapor Barrier: One or more layers of Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply SS-3P, Pika (Optional) Ply SS-4, Pika Ply 2.2 (FS), adhered in hot asphalt at 25 lbs./sq.
Or
Pika Ply SS-3G (TG), Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, Pika Ply SS-3P (TG), or Pika Ply 250 S (TG), torch-applied.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
ACFoam-II, ISO 95+ GL, H-Shield, ENRGY 3, Ultra-Max Minimum 1.5" thick	N/A	N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
SECUROCK Gypsum-Fiber Roof Board, DensDeck, DensDeck Prime Minimum 0.5" thick	2, 9, 36, 37	1:4 ft²

Note: Insulation layer shall have preliminary attachment, prior to the installation of the base/anchor 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. All layers of insulation and base sheet shall be simultaneously fastened. See base/anchor sheet below for fasteners and density.

Primer:	Coverboard is primed with an approved ASTM D41 asphalt primer at a rate of 100-150 ft ² /gal.
(Optional)	
Base Sheet:	One layer of Pika Ply SS-3P (TG), Pika Ply 250 S (TG), fastened as specified below.
Fastening:	Torch-applied base membrane to the coverboard with minimum 3" laps. Mechanically attach torch-applied base sheet with Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 fasteners with Dekfast PLT-R-2-4B or Dekfast Galvalume Steel Round 2-3/8" 20 ga. Barbed plates, Trufast #15 EHD Fasteners with Trufast 2" Barbed Metal Stress Plates or Trufast 2.4" Barbed Metal Seam Plates spaced maximum 12" o.c. through the side laps and two equally spaced staggered rows in the field of the membrane.
Ply Sheet:	Pika Ply SS-3G (TG), Pika Ply SS-3P (TG), Pika Ply 250 S (TG), torch-applied.
Membrane:	Pika Ply MS-4G(TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied.
Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications. Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-165 psf. (See General Limitation #7.)

Membrane: SBS

Deck Type 2I: Steel Insulated

- Deck Description:**
1. Minimum 20 ga., Grade 80, Type B steel deck attached to supports having a maximum span of 72" o.c.
 2. Minimum 22 ga., Grade 80, Type B steel deck attached to supports having a maximum span of 69" o.c.
 3. Minimum 22 ga., Grade 33, Type B steel deck attached to supports having a maximum span of 51" o.c.
 4. Minimum 20 ga., Grade 33, Type B steel deck attached to supports having a maximum span of 57" o.c.
 5. Minimum 18 ga., Grade 33, Type B steel deck attached to supports having a maximum span of 66" o.c.

All of the above steel deck options are attached to structural supports with two Traxx/5 fasteners and 0.75" diameter washer spaced 6" o.c. at each corrugation.

All of the above steel deck options; panel side laps are fastened 12" o.c. with Traxx/1 fasteners.

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

System Type D(9): Membrane fastened over preliminarily secured insulation.

All General and System Limitations apply.

Fire Barrier: Minimum 5/8" thick SECUROCK Gypsum-Fiber Roof Board, DensDeck,
(Optional) DensDeck Prime, pre-secured with a maximum contributory area of 1:4 ft²

Vapor Barrier: One or more layers of Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply SS-3P, Pika
(Optional) Ply SS-4, Pika Ply 2.2 (FS), adhered in hot asphalt at 25 lbs./sq.
Or
Pika Ply SS-3G (TG), Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, Pika Ply SS-3P (TG), or Pika Ply 250 S (TG), torch-applied.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
ACFoam-II, ISO 95+ GL, H-Shield, ENRGY 3, Ultra-Max Minimum 1.5" thick	N/A	N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
SECUROCK Gypsum-Fiber Roof Board, DensDeck, DensDeck Prime		
Minimum 0.5" thick	15, 2, 10 or 11	1:4 ft²

Note: Insulation layer shall have preliminary attachment, prior to the installation of the base/anchor 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. All layers of insulation and base sheet shall be simultaneously fastened. See base/anchor sheet below for fasteners and density.

Primer: Coverboard is primed with an approved ASTM D41 asphalt primer at a rate of
(Optional) 100-150 ft²/gal.

Base Sheet: One Layer of Pika Ply 180 (SF) 3.5, fastened as specified below:

Fastening: Torch-applied base sheet to coverboard with minimum 3" wide side lap.
Mechanically attach torch-applied base sheet with Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 fasteners with Dekfast PLT-R-2-4B, Dekfast PLT-R-2-3/8-6Bs, Trufast#15 EHD Fasteners with Trufast 2" Barbed Metal Stress Plates or Trufast 2.4" Barbed Metal Seam Plates spaced maximum 12" o.c. through the side laps and two equally spaced staggered rows in the field of the membrane.

Ply Sheet: Pika Ply 2.2 (FS), adhered in full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Membrane: Pika Ply MS-4G(TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied with minimum 3" wide side lap.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -165 psf. (See General Limitation #7.)



Membrane: SBS

Deck Type 2I: Steel, Insulated

- Deck Description:**
1. Minimum 20 ga., Grade 80, Type B steel deck attached to supports having a maximum span of 72" o.c.
 2. Minimum 22 ga., Grade 80, Type B steel deck attached to supports having a maximum span of 69" o.c.
 3. Minimum 22 ga., Grade 33, Type B steel deck attached to supports having a maximum span of 51" o.c.
 4. Minimum 20 ga., Grade 33, Type B steel deck attached to supports having a maximum span of 57" o.c.
 5. Minimum 18 ga., Grade 33, Type B steel deck attached to supports having a maximum span of 66" o.c.
- All of the above steel deck options are attached to structural supports with two Traxx/5 fasteners and 0.75" diameter washer spaced 6" o.c. at each corrugation.
- All of the above steel deck options; panel side laps are fastened 12" o.c. with Traxx/1 fasteners.

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

System Type D(10): Membrane fastened over preliminarily secured insulation.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
ACFoam-II, ISO 95+ GL, H-Shield, ENRGY 3, Ultra-Max Minimum 1.5" thick	N/A	N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
SECUROCK Gypsum-Fiber Roof Board, DensDeck, DensDeck Prime Minimum 0.5" thick	2, 10, 11	1:4 ft ²

Note: Insulation layer shall have preliminary attachment, prior to the installation of the base/anchor 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. All layers of insulation and base sheet shall be simultaneously fastened. See base/anchor sheet below for fasteners and density.

Primer: Coverboard is primed with an approved ASTM D41 asphalt primer at a rate of 100-150 ft²/gal.
(Optional)

Base Sheet: One layer of Pika Ply 180 (SF) 3.5, torch-applied to coverboard.
*Requires torch-applied cap membrane.
** For use only when using 2 in. diameter plates and requires torch-applied cap membrane.



Fastening:	Torch-applied base sheet to coverboard with minimum 3” wide side lap. Mechanically attach torch-applied base sheet with Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 fasteners with Dekfast PLT-R-2-4B, Dekfast Galvalume Steel Round 2-3/8” 20 ga. Barbed plates, Trufast #15 EHD Fasteners with Trufast 2” Barbed Metal Stress Plates or Trufast 2.4” Barbed Metal Seam Plates spaced maximum 12” o.c. through the side laps and two equally spaced staggered rows in the field of the membrane.
Ply Sheet:	Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, torch-applied. Or Pika Ply 180 (S), Pika Ply SS-3G, Pika Ply SS-3P, Pika Ply SS-4, adhered in full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
Membrane:	Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, adhered in full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications. Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-165 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, 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 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 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



NOA No.: 20-0527.01
Expiration Date: 03/01/26
Approval Date: 04/01/21
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