MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

Viridian Systems
300 Southwest Ave
Tallmadge, OH 44278

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by the BCCO and accepted by the Building Code and Product Review Committee to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The BCCO (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BCCO reserves the right to revoke this acceptance, if it is determined by BCCO that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code and the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Viridian Conventional Built-Up-Roof Systems Over Recover Decks

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This revises NOA No. 08-0714.01 and consists of pages 1 through 73.
The submitted documentation was reviewed by Alex Tigera.

ROOFING ASSEMBLY APPROVAL

Category:	Roofing
Sub-Category:	Built-Up Roofing
Material:	Fiberglass
Deck Type:	Recover
Maximum Design Pressure	See specific deck type

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
ElastoShield	5, 55 gallons	ASTM D 1227 Type III	A polymer modified, asbestos free asphalt roofing emulsion.
HK Aluminum Shield	5, 55 gallons	ASTM D 1227 Type I	Asphalt based, asbestos free non-fibered aluminum coating.
HK Aluminum Shield Fibrated	5, 55 gallons	ASTM D 2824 Type III	Asphalt based, asbestos free aluminized coating.
HK ReCoat	5, 55 gallons	ASTM D 1227 Type III	An asphalt clay, asbestos free roofing emulsion.
BUR Plus™ 101	100 lb. kegs	ASTM D 312	Approved, Type III asphalt.
BUR Plus™ 102	100 lb. kegs	ASTM D 312	Approved, Type III asphalt.
BUR Plus™ 202	40 lb. boxes	ASTM D 412	Approved polymer modified asphalt.
BUR Plus™ 202A	42 lb. boxes	ASTM D 412	Approved polymer modified asphalt.
BUR Plus™ 303	40 lb. boxes	ASTM D 412	Approved modified SEBS asphalt.
BUR Plus™ 505	50 lb. boxes	ASTM D 450	Approved, modified coal tar pitch adhesive.
BUR Plus™ 606	42 lb. boxes	Proprietary	Approved polymer modified asphalt.
HK Tar Plus	200 lb. kegs	ASTM D 450	Approved coal tar pitch.
Multi-Ply Adhesive	5, 55 gallon	Proprietary	Asphalt based, asbestos free SEBS adhesive.
Pika Ply Adhesive	5, 55 gallon	Proprietary	Asphalt based, asbestos free SBS adhesive.
Base Sheet Adhesive	5, 55 gallon	Proprietary	Asphalt/Urethane moisture-cure adhesive.

Product	Dimensions	Test Specification	Product Description
HK Tarred Felt	39.5" x 333'	ASTM D 2626	Organic roofing felt saturated with coal tar.
HK Tarred Glass	39.5" x 333'	ASTM D 4990	Fiberglass sheet impregnated with coal tar.
BUR Plus™ Polyester Ply	39.5" x 333'	Proprietary	A 170 gram/m^2 uncoated polyester ply sheet.
BUR Plus™ Polyester Ply 200	39.5" x 333'	Proprietary	A 200 gram/m^2 uncoated polyester ply sheet.
BUR Plus™ Polyester Ply 250	39.5" x 333'	Proprietary	A 250 gram/m^2 uncoated polyester ply sheet.
Multi-Ply Glass CL	36" x 72';	ASTM D 4601	Tri-laminated polyester/glass/polyester mat coated with asphalt.
Multi-Ply Glass	36" x 108'	ASTM D 4601	Fiberglass sheet coated with asphalt.
HK Glass Ply	36" x 180'	ASTM D 2178 Type IV	Type IV fiberglass base and/or ply sheet.
Premium Ply	36" x 180'	ASTM D 2178 Type VI	Type VI fiberglass ply sheet.
Performance Ply	39.5" x 72'	Proprietary	Polyester reinforced asphalt saturated ply sheet.
Pika Ply Supreme FR	39" x 32.8'	ASTM D 5147	SBS/SIS/ES/SEBS, composite reinforced, granule surfaced cap sheet.
Pika Ply Supreme FR (HR)	39" x 32.8'	ASTM D 5147	SEB/SIS/ES/SEBS, composite reinforced, highly reflective granule surfaced cap sheet.
Pika Ply Supreme FR (TG)	39" x 32.8'	ASTM D 5147	SEB/SIS/ES/SEBS, composite reinforced, granule surfaced heat welded cap sheet.
Pika Ply Supreme FR Smooth	39" x 32.8'	ASTM D 5147	SBS/SIS/ES/SEBS, composite reinforced, smooth surfaced ply or cap sheet.
Pika Ply HI-TEC 60	39" x 67'	ASTM D 5147	Fiberglass/polyester reinforced asphalt saturated base/ply sheet.
Pika Ply HI-TEC 60 Type II	39" x 67'	ASTM D 5147	Fiberglass/polyester reinforced asphalt saturated base/ply sheet.

Product	Dimensions	Test Specification	Product Description
Pika Ply HI-TEC 80	39" x 49'	ASTM D5147	SBS, composite reinforced, smooth surface ply or cap sheet.
Pika Ply HI-TEC Granule	39" x 32.8'	ASTM D5147	SBS, composite reinforced, granule surfaced cap sheet.
Arrowglas VI	36" x 180'	ASTM D 2178 Type VI	Type VI fiberglass base and/or ply sheet.
Arrowbase	36" x 108'	ASTM D 4601	Fiberglass sheet coated with asphalt.
Modified Arrowbase	36" x 72'	ASTM D 4601	Tri-laminated polyester/glass/polyester mat coated with asphalt.
Pika Ply SS-3P	39" x 32.8'	ASTM D 5147	Polyester reinforced, smooth surface ply/cap sheet.
Pika Ply SS-4	39" x 32.8'	ASTM D 5147	Polyester reinforced, smooth surface ply/cap sheet.
Pika Ply 350S	39" x 25'	ASTM D 5147	Polyester reinforced, smooth surface cap sheet.
Pika Ply MS-3G	39" x 32.8'	ASTM D 5147	Fiberglass reinforced, fire retardant, granule cap sheet.
Pika Ply 250 GR	39" x 32.8'	ASTM D 5147	Polyester reinforced, fire retardant, granule cap sheet.
Pika Ply MS-4	39" x 32.8'	ASTM D 5147	Polyester reinforced, fire retardant, granule cap sheet.
Performance Ply MS FR	39" x 33'	ASTM D 5147	Polyester reinforced, fire retardant, granule cap sheet.
Performance Ply SS	39" x 35'	ASTM D 5147	Polyester reinforced, smooth surface ply/cap sheet.
Premium Cap Sheet	39" x 32.8'	ASTM D 5147	Fiberglass reinforced, granule cap sheet.

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
Whiteline	Polyisocyanurate foam insulation	Apache Products Co.
ACFoam II	Polyisocyanurate foam insulation	Atlas Energy Products
ConPearl	Expanded perlite mineral fiber	Conglas
Esgard Fiberboard	Wood fiber board	EMCO Ltd.
BP High Strength Fiberboard	High Density Wood fiber Board	EMCO Ltd.
ISO 95+, GL	Polyisocyanurate foam insulation	Firestone Building Products, Inc.
GAF Permalite	Expanded mineral fiber	GAF Mat'l. Corp.
GAF Fiberboard	Wood fiber board	GAF Mat'l. Corp.
GAFTEMP High Density Fiberboard	High density wood fiberboard insulation.	GAF Mat'l. Corp.
Wood Fiberboard	Regular wood fiber insulation	Generic
High Density Wood Fiberboard	High Density Wood fiber Board	generic
Perlite Insulation	Perlite insulation board	generic
Dens Deck	Silicon treated gypsum	G-P Products
Sturdi-Top	Wood fiber insulation board.	G-P Products
Hubert Fiberboard	Wood fiber board	Huebert Fiberboard, Inc.
H-Shield	Polyisocyanurate foam insulation	Hunter Panels
H-Shield WF	Polyisocyanurate/wood fiber composite insulation board	Hunter Panels
ENRGY-2, ENRGY-2, Plus, UltraGard Gold, PSI-25	Polyisocyanurate foam insulation	Johns Manville
FiberGlass Roof Insulation	Glass fiber/Mineral fiber insulation	Johns Manville
Fesco Board	Expanded mineral fiber insulation	Johns Manville

Retro-Fit Board	A high-density perlite roof insulation.	Johns Manville
ISORoc	Polyisocyanurate foam / rockwool composite insulation	Johns Manville
Structodek, Structodek FS	High Density Wood Fiber insulation board.	Masonite
Paroc Cap Board	Rockwool insulation	Partek, Inc.
Multi-Max, FA	Polyisocyanurate foam insulation	Rmax, Inc.
Fiber Base	Asphalt coated wood fiber insulation	Temple Inland Forest Products Corp.

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	#14 Dekfast Fastener	Insulation fastener		SFS Intec, Inc.
2.	Dekfast Hex Plate	Galvalume AZ50 steel plate	2 $^7/_8$" x 3 ¼"	SFS Intec, Inc.
3.	Dekfast Lock Plate	Polypropylenel plate	3" x 3 ¼"	SFS Intec, Inc.
4.	#14 Roofgrip Fasteners	Insulation fastener for wood and steel.		OMG, Inc.
5.	AccuTrac Hextra Fasteners	Insulation fastener for wood, steel and concrete.		OMG, Inc.
6.	Metal Plate	Galvalume stress plate.	3" round 3" square	OMG, Inc.
7.	Gearlok Plastic Plate	Polypropylene round plate	3.2"	OMG, Inc.
8.	Polymer Gyptec	Glass reinforced Nylon insulation fastener for gypsum & CWF decks.		OMG, Inc.
9.	Polymer Gyptec Metal Plate	Galvalume stress plate	3" round	OMG, Inc.
10.	UltraFast	Insulation fastener for wood, steel and concrete.		Johns Manville
11.	UltraFast Metal Plate	Galvalume AZ55 steel plate	3" square & 3" round	Johns Manville
12.	UltraFast Plastic Plate	High Density Polyolefin round plate	3" round	Johns Manville
13.	Olympic Fastener #14	Insulation fastener		OMG, Inc.

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
14.	Fluted Nail (Con-Tite)	Insulation fastener		OMG, Inc.
15.	Olympic Standard	Galvalume AZ50 steel plate	3" round	OMG, Inc.
16.	Olympic	Polypropylene round plate	3" round	OMG, Inc.
17.	Olympic G-2	Galvalume AZ55steel plate	3.5" round	OMG, Inc.
18.	NTB Magnum	Glass reinforced Nylon insulation fastener for gypsum & CWF decks with barbs.		OMG, Inc.
19.	NTB Plate	Galvalume stress plate	3" round	OMG, Inc.
20.	NTB Plastic Plate	Polypropylene stress plate for use with NTB fasteners.	3" round	OMG, Inc.
21.	Powerlite	Insulation fastener for CWF and Gypsum decks.		Powers Fasteners, Inc.
22.	Powerlite Plates	Galvalume AZ55 steel plate	3" round	Powers Fasteners, Inc.
23.	Powerlite Lap Plates	Galvalume AZ55 steel plate	2" round	Powers Fasteners, Inc.
24.	Rawl Drive/Spike	Insulation fastener for concrete decks		Powers Fasteners, Inc.
25.	Rawl Plate	Galvalume AZ55 steel plate	3" round	Powers Fasteners, Inc.
26.	Insul-Fixx Fastener	Insulation fastener for wood, steel and concrete.		SFS Intec, Inc.
27.	Isofast IG Fastener	Insulation fastener for steel and wood decks		SFS Intec, Inc.
28.	Isofast IG/IG Plate	Galvalume AZ50 steel plate	various	SFS Intec, Inc.
29.	Insul-Fixx S Plate	Galvalume AZ50 steel plate	3" round	SFS Intec, Inc.
30.	Insul-Fixx P Plate	Polyethylene plastic plate	3" round	SFS Intec, Inc.
31.	Tru-Fast Fasteners	Insulation fastener for wood, steel and concrete.		The Tru-Fast Corp.
32.	Tru-Fast MP-3	Galvalume AZ50 steel plate	3" round	The Tru-Fast Corp.
33.	Tru-Fast Plates	Galvalume AZ55 steel plate	3" round	The Tru-Fast Corp.
34.	Tru-Fast Plates	Polyethylene plastic plate	3" round	The Tru-Fast Corp.

APPROVED SURFACING/COATING OPTIONS:

TABLE 4

System Number	Application
1.	400 lb./sq. gravel or 300 lb./sq. slag in a flood coat of approved asphalt at a rate of 40 lb./sq. or in a flood coat of BUR Plus 505 or HK Tar Plus at a rate of 75 lbs./sq.
2.	400 lb./sq. gravel or 300 lb./sq. slag in Multi-Ply Adhesive or Multi-Ply Adhesive SEBS at a rate of 4-5 gal./sq.
3.	60 lbs. of roofing granules embedded in Multi-Ply Adhesive at a rate of 3-4 gal./sq.
4.	ElastoShield or HK ReCoat at a rate of 5 gal./sq. followed by HK Aluminum Shield at a rate of 0.75gal./sq.
5.	HK Aluminum Shield Fibrated at a rate of 1.5-2.0 gal./sq.
6.	Gravel or slag at 400 lbs. or 300 lbs./sq., respectively, adhered with approved asphalt at an application rate of 60 lbs./sq.
7.	Gravel at 400 lbs./sq., adhered with Weatherizer KV at an application rate of 3-4 gal./sq., or Multi-Ply Adhesive or Pika Ply Adhesive at an application rate of 4-5 gal/sq.
8.	Gravel at 400 lbs./sq., adhered with Tarshield WB at an application rate of 4-5 gal./sq.
9.	Gravel at 500 lbs/sq., adhered in HK Tarshield at a rate of 5-7 gal/sq.
10.	One coat of Weatherizer KV at an application rate of 3 gal/sq, followed by one coat of White Roof Coating Base Coat at an application rate of 1 gal/sq. and one coat of White Roof Coating at an application rate of 1 gal/sq.
11.	One coat of White Roof Coating Base Coat at an application rate of 1.5 gal/sq. and one coat of White Roof Coating at an application rate of 1.5 gal/sq.
12.	One coat of Weatherizer KV at an application rate of 3 gal/sq,, followed by one coat of HK Aluminum Shield Fibrated at an application rate of 2-2.5 gal/sq.
13.	HK Aluminum Shield Fibrated at an application rate of 2-2.5 gal/sq.
14.	One coat of HK Aluminum Shield Fibrated at an application rate of 2-2.5 gal/sq., followed by one coat of HK Aluminum Shield at an application rate of 0.25 gal/sq.

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Name/Report	Date
Factory Mutual	FMRC 4470	J.I. 1V9A3.AM	11/07/92
	FMRC 4470	J.I. 0W7A4.AM	02/09/93
	FMRC 4470	J.I. 0X2A0.AM	03/30/93
	FMRC 4470	J.I. 0P3A6.AM	01/15/88
	FMRC 4470	J.I. 1R4A2.AM	03/14/90
	FMRC 4470	J.I. 1R6A2.AM	04/21/91
	FMRC 4470	J.I. 1T7A2.AM	02/28/92
	FMRC 4470	J.I. 1T7A1.AM	01/10/92
	FMRC 4470	J.I. 0X0A9.AM	03/25/94
	FMRC 4470	J.I. 0W6A2.AM	02/05/93
	FMRC 4470	J.I. 0X7A4.AM	08/26/93
	FMRC 4470	J.I. 3Y4A1.AM	09/20/95
	FMRC 4470	J.I. 4D9A5.AM	01/15/99
	FMRC 4470	J.I. 1D7A4.AM	11/09/98
	FM 4470	3017068	03/24/05
	FM 4470	3020937	06/22/05
	FM 4470	3026965	02/02/07
	FM 4470	3031669	12/31/07
	FM 4470	3031094	03/26/08
Warnock Hersey	ASTM E 108	495-R-0344	01/01/90
	ASTM E 108	495-R-0400	01/01/90
	ASTM E 108	495-R-0430	01/01/90
	ASTM E 108	495-R-0447	01/01/90
	ASTM E 108	495-R-0526	01/01/90
	ASTM E 108	495-R-0400A	01/01/90
Exterior Research & Design, LLC	TAS 114(J)	#4473.10.97-1	11/17/97

APPROVED ASSEMBLIES:

Deck Type 7I: Recover

Deck Description: Wood

System Type A(1): Anchor sheet mechanically fastened; all layers of insulation 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/ft^2
ACFoam II, ENRGY-2, ENRGY-2 Plus, Isoroc, Multi-Max		
Minimum 1" thick	N/A	N/A

Base or Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
BP High Strength, GAFTEMP High Density, High Density Wood Fiberboard, Sturdi-Top, Fiber Base HD1, HD6, Structodeck, Esgard, Fiberboard, GAFTEMP Fiberboard, Huebert Fiberboard		
Minimum ½" thick	N/A	N/A
ConPerl, GAFTEMP Permalite, FescoBoard, Perlite		
Minimum ¾" thick	N/A	N/A

Note: All insulation shall be adhered to the anchor sheet in full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs/100 ft^2. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.

Anchor Sheet: One ply of Multi-Ply Glass, Multi-Ply Glass CL, or Performance Ply fastened to the deck as described. Fasten anchor sheet with approved nails and tin caps at a 4" side lap 9" o.c. and two rows staggered in the center of the sheet 12" o.c

Base Sheet: (Optional) One ply of Premium Ply, HK Glass Ply, Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, or an approved ASTM D 4601 base sheet adhered with approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.; or,
one ply of Performance Ply, Multi-Ply Glass, or Multi-Ply Glass CL adhered with BUR Plus 505 or HK Tar Plus at a rate of 20-40 lbs./sq.; or,
one ply of Performance Ply, Multi-Ply Glass, Multi-Ply Glass CL, adhered with Multi-Ply Adhesive at a rate of 2.5 to 3 gal./sq.

Ply Sheet: Two or more plys of Premium Ply, HK Glass Ply, BUR Plus Polyester Ply, Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, or an approved ASTM D 2178 ply sheet, in any combination, adhered to any of the base sheets noted above with approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.; or, two or more plys of Multi-Ply Glass, Multi-Ply Glass CL, HK Tarred Felt or HK Tarred Glass, in any combination, adhered to Performance Ply, Multi-Ply Glass, or Multi-Ply Glass CL base sheets with BUR Plus 505 or HK Tar Plus at a rate of 20-40 lbs./sq.; or,
two or more plys of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, in any combination, adhered to Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply base sheets with Multi-Ply Adhesive at a rate of 2.5 to 3 gal./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 system listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -45 psf; (See General Limitation #9.)

Deck Type 7I: Recover

Deck Description: Wood/Steel/Concrete/Lightweight Concrete/Cementitious Wood Fiber/Gypsum

System Type A(2): One or more layers of insulation 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/ft^2
ACFoam II, ENRGY-2, ENRGY-2 Plus, Isoroc, Multi-Max Minimum 1" thick	N/A	N/A

Base or Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
BP High Strength, GAFTEMP High Density, High Density Wood Fiberboard, Sturdi-Top, Fiber Base HD1, HD6, Structodeck, Esgard, Fiberboard, GAFTEMP Fiberboard, Huebert Fiberboard Minimum ½" thick	N/A	N/A
ConPerl, GAFTEMP Permalite, FescoBoard, Perlite Minimum ¾" thick	N/A	N/A

Note: Substrate shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of vapor barrier or insulation. All insulation shall be adhered to the vapor barrier or primed deck in full moppings of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft^2. Please refer to Roofing Application Standard RAS 117 for insulation attachment. 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. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.

Base Sheet: (Optional) One ply of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, or an approved ASTM D 4601 base sheet adhered with approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.; or,
one ply of Performance Ply, Multi-Ply Glass, or Multi-Ply Glass CL adhered with BUR Plus 505 or HK Tar Plus at a rate of 20-40 lbs./sq.; or,
one ply of Performance Ply, Multi-Ply Glass, Multi-Ply Glass CL, adhered with Multi-Ply Adhesive at a rate of 2.5 to 3 gal./sq.

Ply Sheet: Two or more plies of Premium Ply, HK Glass Ply, BUR Plus Polyester Ply, Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, or an approved ASTM D 2178 ply sheet, in any combination, adhered to any of the base sheets noted above with approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.; or,
two or more plies of Multi-Ply Glass, Multi-Ply Glass CL, HK Tarred Felt or HK Tarred Glass, in any combination, adhered to Performance Ply, Multi-Ply Glass, or Multi-Ply Glass CL base sheets with BUR Plus 505 or HK Tar Plus at a rate of 20-40 lbs./sq.; or,
two or more plies of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, in any combination, adhered to Pika Ply SS-2, Multi-Ply Glass, Multi-Ply Glass CL, Multi-Ply Glass CL/W, Performance Ply or Weather Ply base sheets with Multi-Ply Adhesive at a rate of 2.5 to 3 gal./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 system listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure:
-45 psf (all deck types and insulations other than those noted below)
-167 psf (concrete deck, Isoroc insulation)
-212 psf (concrete deck, polyiso. base layer, GAFTEMP Permalite top layer)
-227 psf (concrete deck, polyiso. base layer, Celotex HD Wood Fiber top layer)
-237 psf (concrete deck, polyiso. base layer, Dens Deck top layer)
(See General Limitations #9)

Deck Type 7I: Recover

Deck Description: Steel/Concrete

System Type A(3): One or more layers of insulation adhered with approved adhesive or 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/ft^2
Structodek High Density Fiberboard, GAFTEMP High Density Fiberboard, Roof Insulating Board, Fiber Base HD1, HD6, Stuctodek, Esgard 1", Structodek Premium Fiberboard, GAFTEMP Fiberboard, Huebert Fiberboard		
Maximum 1" thick	N/A	N/A
ConPerl, GAFTEMP Permalite Roof Insulation, Fesco Board		
Maximum 1" thick	N/A	N/A

Note: All insulation shall be adhered to the existing BUR with a full moppings of approved hot asphalt within the EVT range and at a rate of 20-40 lbs/100 ft^2 or Insta-Stik applied in continuous ¾" to 1" wide ribbons at a maximum spacing of 12" o.c., or full coating of SPRAY N' GRIP. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: (Optional)
One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Ply Sheet: (Optional, required if no base sheet used)
One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Membrane: (Optional, required if less then three plies used)
One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.
Or
One ply of Pika Ply Supreme FR (TG), heat welded.

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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-45.0 psf (See General Limitation #9)

Deck Type 7: Recover

Deck Description: Gypsum

System Type A(4): Anchor sheet mechanically fastened, all layers of insulation adhered with approved asphalt.

All General and System Limitations apply.

Anchor Sheet: One ply of Multi-Ply Glass CL or Performance Ply, fastened to the deck as described below:

Fastening 1: Fasten base sheet with Nail-Tite Type A or Nail-Tite Type R base ply fasteners 9" o.c. in 2" wide side lap and 18" o.c. in two equally spaced staggered rows in the field.

Fastening 2: Fasten base sheet with FM-45 or FM-60 base ply fasteners and FM-30 discs, FM-75 or FM-90 assembled base ply fasteners, 9" o.c. in 2" wide side lap and 18" o.c. in two equally spaced staggered rows in the field.

Fastening 3: Fasten base sheet with FM-45 or FM-60 base ply fasteners and FM-30 discs, FM-75 or FM-90 assembled base ply fasteners, 7.5" o.c. in 4" wide side lap and 7.5" o.c. in one center row in the field.

Fastening 4: Fasten base sheet with Twin Loc-Nails, spaced 9" o.c. in 2" wide side lab and 18" o.c. in two equally spaced staggered rows in the field.

One or more layers of any of the following insulations.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
Esguard High Strength ½" 6 Side, Esguard High Strength ½" 1 Side, Esguard High Strength 1", FM90 High Density Fiberboard, Structodek, Strucktodeck High Density Fiberboard, GAFTEMP High Density Fiberboard, Roof Insulating Board, Fiberbase HD1, HD6		
Minimum 0.5" thick	N/A	N/A
Standard Fiberglas Roof Insulation, FiberGlass Roof Insulation, Wide Flute Fiberglas Roof Insulation, Fiber Glass Roof Insulation (Wide Flute), Armor-R Glas (Std), Armor-R Glas (Wide Flute)		
Minimum 0.75" thick	N/A	N/A
ConPerl, GAFTEMP Permalite, Permalite, Fesco Board, Strucktodek Premium Fiberboard, GAFTEMP Fiberboard, Huebert Fiberboard		
Minimum 1" thick	N/A	N/A
ACFoam II		
Minimum 1.5" thick	N/A	N/A

Note: Top layer of insulation shall be adhered with approved asphalt within the EVT range and at a rate of 20-40 lbs/100 ft^2. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Base Sheet:	(Optional) One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.
Ply Sheet:	One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.
Membrane:	(Optional, required if system has less then two plies) One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq. Or One ply of Pika Ply Supreme FR (TG), heat welded.
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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-45 psf (See General Limitation #9.)

Deck Type 7: Recover

Deck Description: Gypsum

System Type A(5): One or more layers of insulation adhered with approved adhesive or asphalt

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 Maximum 1" thick	N/A	N/A
DensDeck Maximum 1" thick	N/A	N/A

Note: Insulation shall be adhered with Olybond Adhesive Fastener applied at 1 gal/sq. and walked in. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Base Sheet: (Optional)
One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Ply Sheet: One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Membrane: (Optional, required if system has less then two plies)
One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.
Or
One ply of Pika Ply Supreme FR (TG), heat welded.

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

Maximum Design Pressure: -45 psf (See General Limitation #9.)

Deck Type 7: Recover

Deck Description: Concrete

System Type A(6): One or more layers of insulation adhered with approved adhesive or 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/ft^2
ACFoam II, H-Shield Maximum 1.5" thick	N/A	N/A

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
(Optional) DensDeck Prime Maximum 0.25" thick	N/A	N/A

Note: Insulation shall be adhered with an approved asphalt or BUR Plus 101, 202, 202A or 303 modified asphalt within the EVT range and at a rate of 25 lbs/100 ft^2, or Olybond 500 Adhesive Fastener applied in 0.75" – 1" wide beads spaced 12" o.c.. and walked in. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Base Sheet: One layer of Multi Ply Glass, Multi Ply Glass CL, Performance Ply, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, Arrowbase or Modified Arrowbase, adhered in Base Sheet Adhesive at a rate of 1.5 gal/sq.

Ply Sheet: One to three plies of Multi Ply Glass, Multi Ply Glass CL, Performance Ply, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, Arrowbase or Modified Arrowbase, adhered in Multi-Ply Adhesive at a rate of 2.5-3 gal/sq. or Pika Ply Adhesive at a rate of 1.5 gal/sq.

Membrane: (Optional, required if system has less then three plies)
One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR, Pika Ply Supreme FR (HR), Pika Ply SS-3P, Pika Ply SS-4, Pika Ply 350S, Pika Ply MS-3G, Pika Ply 250 GR, Pika Ply MS-4, Performance Ply MS FR, Premium Cap Sheet or Performance Ply SS, adhered in Multi-Ply Adhesive at a rate of 2.5-3 gal/sq. or Pika Ply Adhesive at a rate of 1.5 gal/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 system listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -45 psf (See General Limitation #9.)

Deck Type 7: Recover

Deck Description: Concrete

System Type A(7): One or more layers of insulation adhered with approved adhesive or 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/ft^2
Expanded EPS Maximum 2" thick	N/A	N/A

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
DensDeck Prime Maximum 0.25" thick	N/A	N/A

Note: Insulation shall be adhered with Olybond 500 Adhesive Fastener applied in 0.75" – 1" wide beads spaced 12" o.c.. and walked in. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Base Sheet: One layer of Multi Ply Glass, Multi Ply Glass CL, Performance Ply, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, Arrowbase or Modified Arrowbase, adhered in Base Sheet Adhesive at a rate of 1.5 gal/sq.

Ply Sheet: One to three plies of Multi Ply Glass, Multi Ply Glass CL, Performance Ply, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, Arrowbase or Modified Arrowbase, adhered in Multi-Ply Adhesive at a rate of 2.5-3 gal/sq. or Pika Ply Adhesive at a rate of 1.5 gal/sq.

Membrane: (Optional, required if system has less then three plies)
One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR, Pika Ply Supreme FR (HR), Pika Ply SS-3P, Pika Ply SS-4, Pika Ply 350S, Pika Ply MS-3G, Pika Ply 250 GR, Pika Ply MS-4, Performance Ply MS FR, Premium Cap Sheet or Performance Ply SS, adhered in Multi-Ply Adhesive at a rate of 2.5-3 gal/sq. or Pika Ply Adhesive at a rate of 1.5 gal/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 system listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -45 psf (See General Limitation #9.)

Deck Type 7: Recover

Deck Description: Gypsum

System Type A(8): One or more layers of insulation adhered with approved adhesive or 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/ft^2
ACFoam II, H-Shield Maximum 1.5" thick	N/A	N/A

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
DensDeck Prime Maximum 0.25" thick	N/A	N/A

Note: Insulation shall be adhered with Olybond 500 Adhesive Fastener applied in 0.75" – 1" wide beads spaced 12" o.c.. and walked in. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Base Sheet: One layer of Multi Ply Glass, Multi Ply Glass CL, Performance Ply, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, Arrowbase or Modified Arrowbase, adhered in Base Sheet Adhesive at a rate of 1.5 gal/sq.

Ply Sheet: One to three plies of Multi Ply Glass, Multi Ply Glass CL, Performance Ply, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, Arrowbase or Modified Arrowbase, adhered in Multi-Ply Adhesive at a rate of 2.5-3 gal/sq. or Pika Ply Adhesive at a rate of 1.5 gal/sq.

Membrane: (Optional, required if system has less then three plies)
One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR, Pika Ply Supreme FR (HR), Pika Ply SS-3P, Pika Ply SS-4, Pika Ply 350S, Pika Ply MS-3G, Pika Ply 250 GR, Pika Ply MS-4, Performance Ply MS FR, Premium Cap Sheet or Performance Ply SS, adhered in Multi-Ply Adhesive at a rate of 2.5-3 gal/sq. or Pika Ply Adhesive at a rate of 1.5 gal/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 system listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -45 psf (See General Limitation #9.)

Deck Type 7I:	Recover
Deck Description:	LWC
System Type A(9):	One or more layers of insulation adhered with approved asphalt.
Structural Deck:	Min. 2,500 psi structural concrete
	(Optional) Approved Asphaltic vapor barrier or existing BUR roof system.
LWC System #1:	Celcore Cellular Concrete or Celcore MF lightweight concrete cast to a minimum 36 lb/ft³ wet density, min. 2" thick above min. 1" thick Holey board. Surface is coated with Celcore PVA Curing Compound applied at 0.33 gal/sq.
	Or
	Min. 2" thick Celcore Cellular Concrete or Celcore MF lightweight concrete cast to a minimum 36 lb/ft³ wet density. Surface is coated with Celcore PVA Curing Compound applied at 0.33 gal/sq.
LWC System #2:	Mearlcrete or Lite-Crete Plus cast to a minimum 35 lb/ft³ wet density, a min. of 2" above one layer of min. 1" thick Dyplast Holey board or Mearl Corrugated EPS.
LWC System #3:	Range II Elastizell Lightweight Insulating Concrete is cast a min. of 2" above a min. 2" – max 12" thick Dyplast Holey Board, Starfoam R-Foam Gripper-HB or Star-R-Foam Smooth insulation.
	Or
	Min. 3" thick Range II Elastizell Lightweight Insulating Concrete.

All General and System limitations apply.

One or more layers of any of the following insulations:

Base Insulation Layer	**Insulation Fasteners**	**Fastener Density/ft²**
AC-Foam II, H-Shield Minimum 1.5" thick	N/A	N/A

Top Insulation Layer	**Insulation Fasteners**	**Fastener Density/ft²**
(Optional) AC-Foam II, H-Shield Minimum 1.5" thick	N/A	N/A
(Optional) DensDeck Prime Minimum ¼" thick	N/A	N/A

Note: All insulation shall be adhered to the deck in full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs/100 ft² or with Olybond 500 applied in 0.75-1" wide beads spaced 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.

Base Sheet:	One layer of Multi Ply Glass, Multi Ply Glass CL, Performance Ply, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, Arrowbase or Modified Arrowbase, adhered in Base Sheet Adhesive at a rate of 1.5 gal/sq.
Ply Sheet:	One to three plies of Multi Ply Glass, Multi Ply Glass CL, Performance Ply, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, Arrowbase or Modified Arrowbase, adhered in Multi-Ply Adhesive at a rate of 2.5-3 gal/sq. or Pika Ply Adhesive at a rate of 1.5 gal/sq.
Membrane:	(Optional, required if system has less then three sheet layers) One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR, Pika Ply Supreme FR (HR), Pika Ply SS-3P, Pika Ply SS-4, Pika Ply 350S, Pika Ply MS-3G, Pika Ply 250 GR, Pika Ply MS-4, Performance Ply MS FR, Premium Cap Sheet or Performance Ply SS, adhered in Multi-Ply Adhesive at a rate of 2.5-3 gal/sq. or Pika Ply Adhesive at a rate of 1.5 gal/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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-45.0 psf, (See General Limitation #7)

Deck Type 7I: Recover

Deck Description: Wood/Steel/Concrete/Cementitious Wood Fiber/Gypsum

System Type B(1): Base layers 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/ft^2
AC-Foam II, H-Shield Minimum 1.3" thick	Approved Fastener for Deck Type	1:3 ft^2
ENRGY-2 Minimum 1.4" thick	Approved Fastener for Deck Type	1:3 ft^2
Isoroc, ENRGY-2 Plus Minimum 1.5" thick	Approved Fastener for Deck Type	1:2.7 ft^2
ConPerl, GAFTEMP Permalite, FescoBoard Perlite Minimum ¾" thick	Approved Fastener for Deck Type	1:2.7 ft^2
Fiberglas Minimum $^{15}/_{16}$" thick	Approved Fastener for Deck Type	1:2.7 ft^2
BP High Strength, FM-90 Traffic Top/High Density, GAFTEMP High Density, High Density Wood Fiberboard, Sturdi-Top, Fiber Base HD1, HD6, Structodeck, Esgard, Fiberboard, GAFTEMP Fiberboard, Huebert Fiberboard Minimum 1" thick	Approved Fastener for Deck Type	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 fastener details).

Top Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft^2
BP High Strength, FM-90 Traffic Top/High Density, GAFTEMP High Density, High Density Wood Fiberboard, Sturdi-Top, Fiber Base HD1, HD6, Structodeck, Esgard, Fiberboard, GAFTEMP Fiberboard, Huebert Fiberboard Minimum ½" thick	N/A	N/A
ConPerl, GAFTEMP Permalite, FescoBoard Perlite, Paroc Cap Board Minimum ¾" thick	N/A	N/A

Note: Optional top layer of insulation shall be adhered with approved hot asphalt within the EVT range and at a rate of 20-40 lbs/100 ft^2. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Base Sheet:	(Optional) One ply of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, or an approved ASTM D 4601 base sheet adhered with approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.; or, one ply of Performance Ply, Multi-Ply Glass, or Multi-Ply Glass CL adhered with BUR Plus 505 or HK Tar Plus at a rate of 20-40 lbs./sq.; or, one ply of Performance Ply, Multi-Ply Glass, Multi-Ply Glass CL, adhered with Multi-Ply Adhesive at a rate of 2.5 to 3 gal./sq.
Ply Sheet:	Two or more plies of Premium Ply, HK Glass Ply, BUR Plus Polyester Ply, Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, or an approved ASTM D 2178 ply sheet, in any combination, adhered to any of the base sheets noted above with approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.; or, two or more plies of Multi-Ply Glass, Multi-Ply Glass CL, HK Tarred Felt or HK Tarred Glass, in any combination, adhered to Performance Ply, Multi-Ply Glass, or Multi-Ply Glass CL base sheets with BUR Plus 505 or HK Tar Plus at a rate of 20-40 lbs./sq.; or, two or more plies of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, in any combination, adhered to Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply base sheets with Multi-Ply Adhesive at a rate of 2.5 to 3 gal./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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-45 psf; (See General Limitations #9)

Deck Type 7I: Recover

Deck Description: Wood / Steel.

System Type B(2): Base layers 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/ft^2
ENRGY-2, H-Shield (Wood Decks Only) Minimum 1.5" thick	27	1:1.33 ft^2
AC-Foam II, H-Shield (Steel Decks Only) Minimum 1.5" thick	27	1:1.33 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 fastener details).

Top Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft^2
High Density Wood Fiberboard Minimum ½" thick	N/A	N/A

Note: Optional top layer of insulation shall be adhered with approved asphalt within the EVT range and at a rate of 20-40 lbs/100 ft^2. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Base Sheet: (Optional) One ply of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, or an approved ASTM D 4601 base sheet adhered with approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.; or,
one ply of Performance Ply, Multi-Ply Glass, or Multi-Ply Glass CL adhered with BUR Plus 505 or HK Tar Plus at a rate of 20-40 lbs./sq.; or,
one ply of Performance Ply, Multi-Ply Glass, Multi-Ply Glass CL adhered with Multi-Ply Adhesive at a rate of 2.5 to 3 gal./sq.

Ply Sheet: Two or more plies of Premium Ply, HK Glass Ply, BUR Plus Polyester Ply, Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, or an approved ASTM D 2178 ply sheet, in any combination, adhered to any of the base sheets noted above with approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.; or, two or more plies of Multi-Ply Glass, Multi-Ply Glass CL, HK Tarred Felt or HK Tarred Glass, in any combination, adhered to Performance Ply, Multi-Ply Glass, or Multi-Ply Glass CL base sheets with BUR Plus 505 or HK Tar Plus at a rate of 20-40 lbs./sq.

Or

Two or more plies of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, in any combination, adhered to Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply base sheets with Multi-Ply Adhesive at a rate of 2.5 to 3 gal./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 system listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -75 psf (for steel decks) (See General Limitation #7.)
-82.5 psf (for wood decks) (See General Limitation #7.)

Deck Type 7I: Recover

Deck Description: Steel/Concrete

System Type B(3): Base layer of insulation mechanically fastened, optional top layer adhered with approved asphalt or adhesive.

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
AC Foam II, Hy-Therm AP Roof Insulation, Hy-Therm(a) AP Roof Insulation, H-Shield		
Minimum 1.5" thick	13, 21	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. Insulation fasteners shall be tested for withdrawal resistance in compliance with Testing Application Standard TAS 105 to confirm compliance with the wind load requirements set forth in applicable Building Code. (See Roofing Application Standard RAS 117 for fastening details).

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
ConPerl,GAFTEMP Permalite, Permalite, Fesco Board		
Minimum 0.75" thick	N/A	N/A

Note: Apply optional top layer of insulation shall be adhered with approved hot asphalt or BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq. 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: (Optional)
One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Ply Sheet: (Optional, required if no base sheet used)
One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Membrane:	(Optional, required if less then three plies used) One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq. Or One ply of Pika Ply Supreme FR (TG), heat welded.
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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-45.0 psf (See General Limitation #9)

Deck Type 7I: Recover

Deck Description: Steel/Concrete

System Type B(4): Base layer of insulation mechanically fastened, optional top layer adhered with approved asphalt or adhesive.

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
AC Foam II, Hy-Therm AP Roof Insulation, Hy-Therm(a) AP Roof Insulation, ENRGY3, H-Shield		
Minimum 2" thick	13, 21	1:4 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. Insulation fasteners shall be tested for withdrawal resistance in compliance with Testing Application Standard TAS 105 to confirm compliance with the wind load requirements set forth in applicable Building Code. (See Roofing Application Standard RAS 117 for fastening details).

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
ConPearl,GAFTEMP Permalite, Permalite, Fesco Board		
Minimum 0.75" thick	N/A	N/A

Note: Apply optional top layer of insulation shall be adhered with approved hot asphalt or BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq. 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: (Optional)
One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Ply Sheet: (Optional, required if no base sheet used)
One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Membrane:	(Optional, required if less then three plies used) One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq. Or One ply of Pika Ply Supreme FR (TG), heat welded.
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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-45.0 psf (See General Limitation #9)

Deck Type 7I: Recover

Deck Description: Cementitious Wood Fiber/Gypsum

System Type B(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/ft^2
Hy-Therm AP, Hy-Therm(a) AP, ACFoam II, H-Shield Minimum 1.5" thick	18 or Lite-Deck or GTL with Lite-Deck plate fasteners	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 fastener details).

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
ConPerl, GAFTEMP Permalite, Permalite, Fesco Board Minimum 0.75" thick	N/A	N/A
Structodek, Strucktodeck High Density Fiberboard, GAFTEMP High Density Fiberboard, Roof Insulating Board, Fiberbase HD1, HD6 Minimum 0.5" thick	N/A	N/A

Note: Top layer of insulation shall be adhered with approved asphalt or with BUR Plus 101, 102, 202, 202A, 303 within the EVT range and at a rate of 20-40 lbs/100 ft^2. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Base Sheet: (Optional)
One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Ply Sheet: (Optional, required if no base sheet used)
One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Membrane:	(Optional, required if less then three plies used) One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq. Or One ply of Pika Ply Supreme FR (TG), heat welded.
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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-45.0 psf (See General Limitation #9)

Deck Type 7I: Recover

Deck Description: Steel/Concrete

System Type B(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/ft^2
ENRGY3, H-Shield Minimum 1.5" thick	13, 31	1:2 ft^2
Hy-Therm AP, Hy-Therm(a) AP (not allowed with wood fiber coverboards on steel) Minimum 1.5" thick	13, 31	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 fastener details).

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
ConPerl, GAFTEMP Permalite, Permalite, Fesco Board Minimum 0.75" thick	N/A	N/A
Structodek, Strucktodeck High Density Fiberboard, GAFTEMP High Density Fiberboard, Roof Insulating Board, Fiberbase HD1, HD6 Minimum 0.5" thick	N/A	N/A

Note: Top layer of insulation shall be adhered with approved asphalt or with BUR Plus 101, 102, 202, 202A, 303 within the EVT range and at a rate of 20-40 lbs/100 ft^2. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Base Sheet: (Optional)
One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Ply Sheet: (Optional, required if no base sheet used)
One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Membrane:	(Optional, required if less then three plies used) One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq. Or One ply of Pika Ply Supreme FR (TG), heat welded.
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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-45.0 psf (See General Limitation #9)

Deck Type 7I: Recover

Deck Description: Steel/Concrete

System Type B(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/ft^2
ENRGY3, H-Shield		
Minimum 2" thick	13, 31	1:4 ft^2
Hy-Therm AP, Hy-Therm(a) AP (not allowed with wood fiber coverboards on steel)		
Minimum 2" thick	13, 31	1:4 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 fastener details).

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
ConPerl, GAFTEMP Permalite, Permalite, Fesco Board		
Minimum 0.75" thick	N/A	N/A
Structodek, Strucktodeck High Density Fiberboard, GAFTEMP High Density Fiberboard, Roof Insulating Board, Fiberbase HD1, HD6		
Minimum 0.5" thick	N/A	N/A

Note: Top layer of insulation shall be adhered with approved asphalt or with BUR Plus 101, 102, 202, 202A, 303 within the EVT range and at a rate of 20-40 lbs/100 ft^2. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Base Sheet: (Optional)
One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Ply Sheet: (Optional, required if no base sheet used)
One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Membrane:	(Optional, required if less then three plies used) One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq. Or One ply of Pika Ply Supreme FR (TG), heat welded.
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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-45.0 psf (See General Limitation #9)

Deck Type 7I: Recover, Insulated

Deck Description: Wood, Concrete

System Type B(8): Base layer of insulation mechanically attached, top layer adhered with approved asphalt

Thermal Barrier: Minimum 0.5" thick DensDeck Prime loose laid

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
ENRGY 3, Hy-Therm AP, H-Shield		
Minimum 1.5" thick	13, 31	1:2

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.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
ConPerl, GAFTEMP PErmalite, Permalite Roof Insulation, Fesco Board		
Minimum 0.75" thick	N/A	N/A
High Density Fiberboard, GAFTEMP High Density Fiberboard, Roof Insulating Board, Fiber Base HD1, Fiberbase HD6, Structodek		
Minimum 0.5" thick	N/A	N/A

Note: Top layer of insulation shall be adhered with BUR Plus 101, 102, 202, 202A, 303 or approved hot asphalt within the EVT range and at a rate of 25 lbs/100 ft^2. 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 or more plies of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plust Polyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II or GAFGLAS #75, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 25 lbs./sq.

Ply Sheet: One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglass VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Glasply IV, Glasply Premier, PermaPly #28, GAFGLAS Ply 4, GAFGLAS FlexPly 6, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 25 lbs./sq.

Membrane:	Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply HI-TEC 80 Plus, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR, Pika Ply Supreme FR (HR), 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 25 lbs./sq. with a minimum 4" wide head lap. Or Pika Ply Supreme FR (TG), heat welded with a minimum 4" wide head 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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-45.0 psf; (See General Limitation #9.)

Deck Type 7I: Recover

Deck Description: Steel/Concrete

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
AC Foam II, 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/ft^2
ConPearl,GAFTEMP Permalite, Permalite, Fesco Board Minimum 1" thick	1, 13, 31	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. Insulation fasteners shall be tested for withdrawal resistance in compliance with Testing Application Standard TAS 105 to confirm compliance with the wind load requirements. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: (Optional)
One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Ply Sheet: (Optional, required if no base sheet used)
One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Membrane: (Optional, required if less then three plies used)
One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.
Or
One ply of Pika Ply Supreme FR (TG), heat welded.

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

Maximum Design Pressure: -45.0 psf (See General Limitation #9)

Deck Type 7I: Recover

Deck Description: Steel/Concrete

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/ft^2
AC Foam II, 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/ft^2
Structodek High Density Fiberboard, GAFTEMP High Density Fiberboard		
Minimum 0.5" thick	13	1:3 ft^2
Structodek, Roof Insulating Board, Fiber Base HD1, HD6		
Minimum 0.5" thick	1, 13, 31	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. Insulation fasteners shall be tested for withdrawal resistance in compliance with Testing Application Standard TAS 105 to confirm compliance with the wind load requirements. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: (Optional)
One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Ply Sheet: (Optional, required if no base sheet used)
One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Membrane:	(Optional, required if less then three plies used) One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq. Or One ply of Pika Ply Supreme FR (TG), heat welded.
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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-45.0 psf (See General Limitation #9)

Deck Type 7I: Recover

Deck Description: Steel/Concrete

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/ft^2
AC Foam II, 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/ft^2
Standard Fiberglas Roof Insulation, FiberGlass Roof Insulation, Wide Flute Fiberglas Roof Insulation, Fiber Glass Roof Insulation (Wide Flute) Minimum 0.5" thick	1, 13, 31	1:3 ft^2

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Insulation fasteners shall be tested for withdrawal resistance in compliance with Testing Application Standard TAS 105 to confirm compliance with the wind load requirements. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: (Optional)
One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Ply Sheet: (Optional, required if no base sheet used)
One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Membrane:	(Optional, required if less then three plies used) One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq. Or One ply of Pika Ply Supreme FR (TG), heat welded.
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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-45.0 psf (See General Limitation #9)

Deck Type 7I: Recover

Deck Description: Steel/Concrete

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/ft^2
AC Foam II, H-Shield		
Minimum 2" thick	13, 31	1:4 ft^2

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
Structodeck High Density Fiberboard, GAFTEMP High Density Fiberboard		
Minimum 0.5" thick	13	1:3 ft^2
Structodeck, Roof Insulating Board, Fberbase HD1, HD6		
Minimum 0.5" thick	13	1:2 ft^2

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Insulation fasteners shall be tested for withdrawal resistance in compliance with Testing Application Standard TAS 105 to confirm compliance with the wind load requirements. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: (Optional)
One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Ply Sheet: (Optional, required if no base sheet used)
One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Membrane:	(Optional, required if less then three plies used) One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq. Or One ply of Pika Ply Supreme FR (TG), heat welded.
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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-45.0 psf (See General Limitation #9)

Deck Type 7I: Recover

Deck Description: Steel/Concrete

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.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
ConPearl,GAFTEMP Permalite, Permalite, Fesco Board		
Minimum 1" thick	1, 13, 31	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. Insulation fasteners shall be tested for withdrawal resistance in compliance with Testing Application Standard TAS 105 to confirm compliance with the wind load requirements. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: (Optional)
One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Ply Sheet: (Optional, required if no base sheet used)
One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Membrane: (Optional, required if less then three plies used)
One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.
Or
One ply of Pika Ply Supreme FR (TG), heat welded.

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

Maximum Design Pressure: -45.0 psf (See General Limitation #9)

Deck Type 7I: Recover

Deck Description: Steel/Concrete

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.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
Standard or Standard Fiberglas Roof Insulation, Wide Flute Fiberglas Roof Insulation, Fiber Glass Roof Insulation (Wide Flute), Fiber Glass Roof Insulation		
Minimum 15/16" thick	1, 13, 31	1:3 ft^2

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Insulation fasteners shall be tested for withdrawal resistance in compliance with Testing Application Standard TAS 105 to confirm compliance with the wind load requirements. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: (Optional)
One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Ply Sheet: (Optional, required if no base sheet used)
One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Membrane: (Optional, required if less then three plies used)
One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.
Or
One ply of Pika Ply Supreme FR (TG), heat welded.

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

Maximum Design Pressure: -45.0 psf (See General Limitation #9)

Deck Type 7I: Recover

Deck Description: Cementitious Wood Fiber/Gypsum

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/ft^2
(Optional) AC Foam II, Hy-Therm AP, Hy-Therm(a) AP, 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/ft^2
Standard Fiberglas Roof Insulation, FiberGlass Roof Insulation, Wide Flute Fiberglas Roof Insulation, Fiber Glass Roof Insulation (Wide Flute) Minimum 15/16" thick	18 or Lite-Deck or GTL with Lite-Deck plate fasteners	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. Insulation fasteners shall be tested for withdrawal resistance in compliance with Testing Application Standard TAS 105 to confirm compliance with the wind load requirements. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: (Optional)
One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Ply Sheet: (Optional, required if no base sheet used)
One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Membrane:	(Optional, required if less then three plies used) One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq. Or One ply of Pika Ply Supreme FR (TG), heat welded.
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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-45.0 psf (See General Limitation #9)

Deck Type 7I: Recover

Deck Description: Cementitious Wood Fiber/Gypsum

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/ft^2
(Optional) AC Foam II, Hy-Therm AP, Hy-Therm(a) AP, 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/ft^2
ConPerl, GAFTEMP Permalite, Permalite, Fesco Board		
Minimum 1" thick	18 or Lite-Deck or GTL with Lite-Deck plate fasteners	1:2 ft^2
Structodek High Density Fiberboard, GAFTEMP High Density Fiberboard, Roof Insulating Board, Fiber Base HD1, HD6 Structodek		
Minimum 0.5" thick	18 or Lite-Deck or GTL with Lite-Deck plate fasteners	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. Insulation fasteners shall be tested for withdrawal resistance in compliance with Testing Application Standard TAS 105 to confirm compliance with the wind load requirements. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: (Optional)
One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Ply Sheet: (Optional, required if no base sheet used)
One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Membrane:	(Optional, required if less then three plies used) One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq. Or One ply of Pika Ply Supreme FR (TG), heat welded.
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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-45.0 psf (See General Limitation #9)

Deck Type 7: Recover

Deck Description: Gypsum

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.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
Esguard High Strength ½" 6 Side, Esguard High Strength ½" 1 Side, Esguard High Strength 1", FM90 High Density Fiberboard, Structodek, Strucktodeck High Density Fiberboard, GAFTEMP High Density Fiberboard, Roof Insulating Board, Fiberbase HD1, HD6		
Minimum 0.5" thick	Twin Loc-Nails	1:2 ft^2
Standard Fiberglas Roof Insulation, FiberGlass Roof Insulation, Wide Flute Fiberglas Roof Insulation, Fiber Glass Roof Insulation (Wide Flute), Armor-R Glas (Std), Armor-R Glas (Wide Flute)		
Minimum 0.75" thick	Twin Loc-Nails	1:2 ft^2
ConPerl, GAFTEMP Permalite, Permalite, Fesco Board, Strucktodek Premium Fiberboard, GAFTEMP Fiberboard, Huebert Fiberboard		
Minimum 1" thick	Twin Loc-Nails	1:2 ft^2
ACFoam II, H-Shield		
Minimum 1.5" thick	Twin Loc-Nails	1:2 ft^2

Note: Top layer of insulation shall be adhered with approved asphalt within the EVT range and at a rate of 20-40 lbs/100 ft^2. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Ply Sheet: One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Membrane: (Optional, required if system has less then two plies)
One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.
Or
One ply of Pika Ply Supreme FR (TG), heat welded.

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

Maximum Design Pressure: -45 psf (See General Limitation #9.)

Deck Type 7: Recover

Deck Description: Steel/Concrete

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	Insulation Fasteners (Table 3)	Fastener Density/ft^2
ACFoam II, H-Shield Minimum 1.0" thick (Maximum 1.0" thick for Steel Deck)	N/A	N/A

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
DensDeck Minimum 0.5" thick	13, 31	1:1.6 ft^2

Note: Top layer of insulation 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 fastener details). Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Base Sheet: One layer of Multi Ply Glass, Multi Ply Glass CL, Performance Ply, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, Arrowbase or Modified Arrowbase, adhered in Base Sheet Adhesive at a rate of 1.5 gal/sq.

Ply Sheet: One to three plies of Multi Ply Glass, Multi Ply Glass CL, Performance Ply, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, Arrowbase or Modified Arrowbase, adhered in Multi-Ply Adhesive at a rate of 2.5-3 gal/sq. or Pika Ply Adhesive at a rate of 1.5 gal/sq.

Membrane: (Optional, required if system has less then three plies)
One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR, Pika Ply Supreme FR (HR), Pika Ply SS-3P, Pika Ply SS-4, Pika Ply 350S, Pika Ply MS-3G, Pika Ply 250 GR, Pika Ply MS-4, Performance Ply MS FR, Premium Cap Sheet or Performance Ply SS, adhered in Multi-Ply Adhesive at a rate of 2.5-3 gal/sq. or Pika Ply Adhesive at a rate of 1.5 gal/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 system listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -45 psf (See General Limitation #7.)

Deck Type 7: Recover

Deck Description: Steel/Concrete

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

All General and System Limitations apply.

Thermal Barrier: Min. 0.5" thick DensDeck, loose laid.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
Expanded or Extruded EPS (min. 1.0 pcf density)		
Minimum 1.0" thick – Maximum 4.0" thick	N/A	N/A

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
DensDeck		
Minimum 0.5" thick	13, 31	1:1.6 ft^2

Note: Top layer of insulation 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 fastener details). Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Base Sheet: One layer of Multi Ply Glass, Multi Ply Glass CL, Performance Ply, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, Arrowbase or Modified Arrowbase, adhered in Base Sheet Adhesive at a rate of 1.5 gal/sq.

Ply Sheet: One to three plies of Multi Ply Glass, Multi Ply Glass CL, Performance Ply, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, Arrowbase or Modified Arrowbase, adhered in Multi-Ply Adhesive at a rate of 2.5-3 gal/sq. or Pika Ply Adhesive at a rate of 1.5 gal/sq.

Membrane: (Optional, required if system has less then three plies)
One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR, Pika Ply Supreme FR (HR), Pika Ply SS-3P, Pika Ply SS-4, Pika Ply 350S, Pika Ply MS-3G, Pika Ply 250 GR, Pika Ply MS-4, Performance Ply MS FR, Premium Cap Sheet or Performance Ply SS, adhered in Multi-Ply Adhesive at a rate of 2.5-3 gal/sq. or Pika Ply Adhesive at a rate of 1.5 gal/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 system listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -45 psf (See General Limitation #7.)

Deck Type 7: Recover

Deck Description: Concrete

System Type C(12): All layers of insulation simultaneously attached.

All General and System Limitations apply.

Thermal Barrier: Min. 0.5" thick DensDeck, loose laid.

One or more layers of any of the following insulations.

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

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
ACFoam II, H-Shield Minimum 1.5" thick	1, 13, 31	1:2.6 ft^2
ACFoam II, H-Shield Minimum 1.5" thick	1, 13, 31	1:4 ft^2

Note: Top layer of insulation 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 fastener details). Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Base Sheet: One layer of Multi Ply Glass, Multi Ply Glass CL, Performance Ply, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, Arrowbase or Modified Arrowbase, adhered in Base Sheet Adhesive at a rate of 1.5 gal/sq.

Ply Sheet: One to three plies of Multi Ply Glass, Multi Ply Glass CL, Performance Ply, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, Arrowbase or Modified Arrowbase, adhered in Multi-Ply Adhesive at a rate of 2.5-3 gal/sq. or Pika Ply Adhesive at a rate of 1.5 gal/sq.

Membrane: (Optional, required if system has less then three plies)
One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR, Pika Ply Supreme FR (HR), Pika Ply SS-3P, Pika Ply SS-4, Pika Ply 350S, Pika Ply MS-3G, Pika Ply 250 GR, Pika Ply MS-4, Performance Ply MS FR, Premium Cap Sheet or Performance Ply SS, adhered in Multi-Ply Adhesive at a rate of 2.5-3 gal/sq. or Pika Ply Adhesive at a rate of 1.5 gal/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 system listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -45 psf (See General Limitation #9.)

Deck Type 7I: Recover

Deck Description: Wood, Concrete

System Type C(13): All layers of insulation simultaneously attached

Thermal Barrier: Minimum 0.5" thick DensDeck Prime placed on top of wood deck, with joints offset minimum 6" from deck joints.

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, H-Shield Minimum 1.5" thick	N/A	N/A

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
Structodek High Density Wood Fiberboard, GAFTEMP High Density Fiberboard Minimum 0.5" thick	13	1:3 ft^2
Roof Insulating Board, Structodek, Fiber Base HD1, Fiber Base HD6 Minimum 0.5" thick	13, 31	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. Insulation fasteners shall be tested for withdrawal resistance in compliance with Testing Application Standard TAS 105 to confirm compliance with the wind load requirements. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: One or more plies of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plust Polyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II or GAFGLAS #75, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 25 lbs./sq.

Ply Sheet: One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglass VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Glasply IV, Glasply Premier, PermaPly #28, GAFGLAS Ply 4, GAFGLAS FlexPly 6, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 25 lbs./sq.

Membrane:	Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply HI-TEC 80 Plus, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR, Pika Ply Supreme FR (HR), Performance Ply MS FR, Pika Ply MS-4, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq. with a minimum 4" wide head lap. Or Pika Ply Supreme FR (TG), heat welded with a minimum 4" wide head 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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-45.0 psf; (See General Limitation #9.)

Deck Type 7I: Recover

Deck Description: Steel, Concrete

System Type C(14): 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, H-Shield Minimum 2.0" thick	N/A	N/A

Note: Top layer of insulation is adhered to loose laid base layer with Adhesive SF applied in 0.75"-1" wide beads spaced maximum 12" o.c.

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
SECUROCK Minimum 0.25" thick	13, 31	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. Insulation fasteners shall be tested for withdrawal resistance in compliance with Testing Application Standard TAS 105 to confirm compliance with the wind load requirements. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 25 lbs./sq.

Ply Sheet: One to three plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 25 lbs./sq.

Membrane: One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq. with a minimum 4" wide head 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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-97.5 psf (See General Limitation #7)

Deck Type 7I: Recover

Deck Description: Concrete or 18-22 ga. (ASTM 1008 SS Grade 80 or ASTM A653 Grade 80) Steel, secured to supports spaced maximum 72" o.c. with 2 Traxx 5 fasteners and 0.75" washers spaced 6" o.c.

System Type C(15): 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, H-Shield Minimum 1.5" thick	N/A	N/A

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
SECUROCK Minimum 0.5" thick	31	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. Insulation fasteners shall be tested for withdrawal resistance in compliance with Testing Application Standard TAS 105 to confirm compliance with the wind load requirements. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a Multi-Ply Adhesive S.F. at a rate of 1.5-2 gal/sq.

Ply Sheet: One to three plies of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a Multi-Ply Adhesive S.F. at a rate of 1.5-2 gal/sq.

Membrane: (Optional, required if less then three plies used)

One ply or Pika Ply SS-3P, Pika Ply HI-TEC 80, Pika Ply MS-3G, Premium Cap Sheet, Pika Ply MS-4, Pika Ply HI-TEC Granule, Performance Ply MS FR or Pika Ply SS-4, adhered in a Multi-Ply Adhesive S.F. at a rate of 1.5-2 gal/sq. with a minimum 4" wide head 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 system listed in Table 4 above, or any Miami-Dade approved coating system.

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

Deck Type 2I: Steel, Insulated

Deck Description: 18-22 ga. Steel, secured to supports spaced maximum 72" o.c. with 2 Traxx 5 fasteners and 0.75" washers spaced 6" o.c.

System Type D(1): All layers of insulation and base sheet simultaneously attached

All General and System Limitations apply.

Thermal Barrier: One or more layers of minimum 0.75" thick ConPerl, GAFTEMP Permalite or Fesco Board, loose laid
Or
One or more layers of minimum 5/8" thick DensDeck, loose laid

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
ACFoam II, H-Shield Minimum 2.0" thick	N/A	N/A

Note: All layers of insulation and base sheet shall be simultaneously attached. See base sheet below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment requirements. Insulation shall have preliminary attachment, prior to the installation of the roofing membrane. At an 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.

Base Sheet: Performance Ply, mechanically attached with Tru-Fast BB-18 Batten Bars and Tru-Fast EHD fasteners spaced maximum 12" o.c. in the minimum 3.5" wide lap, and center of the membrane. The batten bar ends are lapped minimum 6".

Ply Sheet: One to three plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Membrane: (Optional, required if less then three plies used)

One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 25 lbs./sq. with a minimum 4" wide head 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 system listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -120.0 psf (See General Limitation #7)

Deck Type 7: Recover

Deck Description: Wood

System Type E(1): Base sheet mechanically fastened.

All General and System Limitations apply.

Base Sheet: One ply of Multi-Ply Glass, Multi-Ply Glass CL or Performance Ply fastened to the deck as described below.

Fastening *(wood)*: Fasten anchor sheet with approved nails and tin caps at a 4" side lap 9" o.c. and two rows staggered in the center of the sheet 12" o.c.

Ply Sheet: Two or more plys of Premium Ply, HK Glass Ply, BUR Plus Polyester Ply, Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, or an approved ASTM D 2178 ply sheet, in any combination, adhered to any of the base sheets noted above with approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.; or, two or more plys of Multi-Ply Glass, Multi-Ply Glass CL, HK Tarred Felt or HK Tarred Glass, in any combination, adhered to Performance Ply, Multi-Ply Glass, or Multi-Ply Glass CL base sheets with BUR Plus 505 or HK Tar Plus at a rate of 20-40 lbs./sq.; or,
two or more plys of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, in any combination, adhered to Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply base sheets with Multi-Ply Adhesive at a rate of 2.5 to 3 gal./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 system listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -45 psf (See General Limitation #7.)

Deck Type 7:	Recover
Deck Description:	Gypsum
System Type E(2):	Base sheet mechanically fastened.

All General and System Limitations apply.

Base Sheet:	One ply of Multi-Ply Glass CL or Performance Ply, fastened to the deck as described below:
Fastening 1:	Fasten base sheet with Nail-Tite Type A or Nail-Tite Type R base ply fasteners 9" o.c. in 2" wide side lap and 18" o.c. in two equally spaced staggered rows in the field.
Fastening 2:	Fasten base sheet with FM-45 or FM-60 base ply fasteners and FM-30 discs, FM-75 or FM-90 assembled base ply fasteners, 9" o.c. in 2" wide side lap and 18" o.c. in two equally spaced staggered rows in the field.
Fastening 3:	Fasten base sheet with FM-45 or FM-60 base ply fasteners and FM-30 discs, FM-75 or FM-90 assembled base ply fasteners, 7.5" o.c. in 4" wide side lap and 7.5" o.c. in one center row in the field.
Fastening 4:	Fasten base sheet with Twin Loc-Nails, spaced 9" o.c. in 2" wide side lab and 18" o.c. in two equally spaced staggered rows in the field.
Ply Sheet:	One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.
Membrane:	(Optional, required if system has less then two plies) One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq. Or One ply of Pika Ply Supreme FR (TG), heat welded.
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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-45 psf (See General Limitation #9.)

Deck Type 7:	Recover
Deck Description:	Lightweight concrete
System Type E(3):	Base sheet mechanically fastened.

All General and System Limitations apply.

Base Sheet:	One ply of Multi-Ply Glass, Multi-Ply Glass CL or Performance Ply fastened to the deck as described. Fasten base sheet with Simplex Turbo Tube-Lok Fasteners spaced 9" o.c. in min. 4" wide lap and 12" o.c. in two equally spaced staggered rows in the field.
Base Ply:	(Optional) One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.
Ply Sheet:	(Optional, required if no base sheet used) One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.
Membrane:	(Optional, required if less then three plies used) One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq. Or One ply of Pika Ply Supreme FR (TG), heat welded.
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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-45.0 psf, (See General Limitation #7)

Deck Type 7: Recover

Deck Description: Lightweight concrete

System Type E(4): Base sheet mechanically fastened.

All General and System Limitations apply.

Base Sheet: One ply of Multi-Ply Glass fastened to the deck as described. Fasten base sheet with ES Products FM 90 Base Ply Fasteners or SFS FM-90 Dekfast/ES Base Ply Fasteners spaced 7" o.c. in min 4" wide lap and 7" o.c. in two equally spaced staggered rows in the field.

Base Ply: (Optional)
One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Ply Sheet: (Optional, required if no base sheet used)
One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.

Membrane: (Optional, required if less then three plies used)
One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.
Or
One ply of Pika Ply Supreme FR (TG), heat welded.

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

Maximum Design Pressure: -45.0 psf, (See General Limitation #7)

Deck Type 7:	Recover
Deck Description:	Lightweight concrete (min. Celcore -45 psf deck construction) (Min. 36 lb/ft³ wet density)
System Type E(5):	Base sheet mechanically fastened.

All General and System Limitations apply.

Base Sheet:	One ply of Multi-Ply Glass or Performance Ply fastened to the deck as described. Fasten base sheet with Olympic CR Base Felt Fasteners and discs spaced 7" o.c. in min. 3" wide lap and 7" o.c. in two equally spaced staggered rows in the field.
Base Ply:	(Optional) One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.
Ply Sheet:	(Optional, required if no base sheet used) One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.
Membrane:	(Optional, required if less then three plies used) One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq. Or One ply of Pika Ply Supreme FR (TG), heat welded.
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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-45.0 psf, (See General Limitation #7)

Deck Type 7:	Recover
Deck Description:	Lightweight Concrete (min. Celcore -75 psf deck construction) (Min. 42 lb/ft³ wet density)
System Type E(6):	Base sheet mechanically fastened.

All General and System Limitations apply.

Base Sheet:	One ply of Multi-Ply Glass or Performance Ply fastened to the deck as described. Fasten base sheet with Olympic CR Base Felt Fasteners and discs spaced 7" o.c. in min. 3" wide lap and 7" o.c. in two equally spaced staggered rows in the field.
Base Ply:	(Optional) One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.
Ply Sheet:	(Optional, required if no base sheet used) One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.
Membrane:	(Optional, required if less then three plies used) One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq. Or One ply of Pika Ply Supreme FR (TG), heat welded.
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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-75.0 psf, (See General Limitation #7)

Deck Type 7:	Recover
Deck Description:	Lightweight Concrete (min. Celcore -45 psf deck construction) (Min. 36 lb/ft³ wet density)
System Type E(7):	Base sheet mechanically fastened.

All General and System Limitations apply.

Base Sheet:	One ply of Multi-Ply Glass or Performance Ply fastened to the deck as described below.
Fastening #1:	Fasten base sheet with Olympic CR Base Felt Fasteners and discs spaced 9" o.c. in min. 3" wide lap and 9" o.c. in two equally spaced staggered rows in the field. (Min. 36 lb/ft³ wet density)
Fastening #2:	Fasten base sheet with Olympic CR Base Felt Fasteners and discs spaced 7" o.c. in min. 3" wide lap and 14" o.c. in two equally spaced staggered rows in the field. (Min. 40 lb/ft³ wet density)
Base Ply:	(Optional) One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.
Ply Sheet:	(Optional, required if no base sheet used) One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.
Membrane:	(Optional, required if less then three plies used) One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq. Or One ply of Pika Ply Supreme FR (TG), heat welded.
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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-45.0 psf, (See General Limitation #7)

Deck Type 7:	Recover
Deck Description:	Lightweight Concrete (min. Mearlcrete -52.5 psf deck construction) (Min. 40 lb/ft^3 wet density)
System Type E(8):	Base sheet mechanically fastened.

All General and System Limitations apply.

Base Sheet:	One ply of Multi-Ply Glass or Performance Ply fastened to the deck as described. Fasten base sheet with Olympic CR Base Felt Fasteners and discs spaced 7" o.c. in min. 4" wide lap and 7" o.c. in two equally spaced staggered rows in the field.
Base Ply:	(Optional) One layer of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, BUR Plus Polyester Ply, BUR Plus Plyester Ply 200, BUR Plus Polyester Ply 250, Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.
Ply Sheet:	(Optional, required if no base sheet used) One or more plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.
Membrane:	(Optional, required if less then three plies used) One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq. Or One ply of Pika Ply Supreme FR (TG), heat welded.
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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-52.5 psf,(See General Limitation #7)

Deck Type 7:	Recover
Deck Description:	Lightweight Concrete (min. Mearlcrete -82.5 psf deck construction)
System Type E(9):	Base sheet mechanically fastened.

All General and System Limitations apply.

Base Sheet:	One ply of Performance Ply fastened to the deck as described. Fasten base sheet with ES Products FM-90 Base Ply Fasteners or OMG 1.7" CR Assembled Base Sheet Fasteners, spaced 7" o.c. in min. 3" wide lap and 7" o.c. in two equally spaced staggered rows in the field.
Ply Sheet:	Minimum two plies of Pika Ply HI-TEC 80, Pika Ply HI-TEC 60, Pika Ply HI-TEC 60 Type II, HK Glass Ply IV, Arrowglas IV, Premium Ply, Arrowglas VI, Performance Ply, BUR Plus Polyester Ply, BUR Plus Polyester Ply 200, BUR Plus Polyester Ply 250, Multi-Ply Glass or Multi-Ply Glass CL, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq. Or Minimum two plies of glass felt, adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 25 lbs./sq.
Membrane:	(Optional, required if two plies of glass felt are used) One ply or Pika Ply HI-TEC Granule, Pika Ply HI-TEC 80, Pika Ply Supreme FR Smooth, Pika Ply Supreme FR or Pika Ply Supreme FR (HR), adhered in a full mopping of approved asphalt, BUR Plus 101, BUR Plus 102, BUR Plus 202, BUR Plus 202A or BUR Plus 303 applied within the EVT range and at a rate of 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 system listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-82.5 psf, (See General Limitation #7)

Deck Type 7: Recover

Deck Description: Wood/Steel/Concrete/Lightweight Concrete/Cementitious Wood Fiber/Gypsum

System Type F(1): Base sheet adhered with approved asphalt.

All General and System Limitations apply.

Base Sheet: (Optional) One ply of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, or an approved ASTM D 4601 base sheet adhered with approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.; or,
one ply of Performance Ply, Multi-Ply Glass, or Multi-Ply Glass CL adhered with BUR Plus 505 or HK Tar Plus at a rate of 20-40 lbs./sq.; or,
one ply of Performance Ply, Multi-Ply Glass, Multi-Ply Glass CL, adhered with Multi-Ply Adhesive at a rate of 2.5 to 3 gal./sq.

Ply Sheet: Two or more plies of Premium Ply, HK Glass Ply, BUR Plus Polyester Ply, Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, or an approved ASTM D 2178 ply sheet, in any combination, adhered to any of the base sheets noted above with approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.; or,
two or more plies of Multi-Ply Glass, Multi-Ply Glass CL, HK Tarred Felt or HK Tarred Glass, in any combination, adhered to Performance Ply, Multi-Ply Glass, or Multi-Ply Glass CL base sheets with BUR Plus 505 or HK Tar Plus at a rate of 20-40 lbs./sq.; or,
two or more plies of Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, in any combination, adhered to Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply base sheets with Multi-Ply Adhesive at a rate of 2.5 to 3 gal./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 system listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -45 psf (See General Limitations #9)

RECOVER SYSTEM LIMITATIONS:

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

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each sidelap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq.
   Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform with Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**

END OF THIS ACCEPTANCE