

Permit #: BRF-2010-0090
Master permit #: BLD-2010-0234

Permit type: bmetrf - METAL ROOF
Routing queue: b7 - FLAT ROOF /LOW SLOPE

Address: 9705 E HIBISCUS ST
PALMETTO BAY, FL 33157

Group # - Name	Action Code	Action Description	Completion Date	Completion Code	Completed By	Comments
1 - PERMIT COUNTER	intake	APPLICATION INTAKE	5/28/2010		jvillegas	
1 - PERMIT COUNTER	cuff	COLLECT UPFRONT FEE	5/5/2010	n/a	jvillegas	
2 - PLANS PROCESSING	routeplans	ROUTE PLANS FOR REVIEW	5/28/2010		jvillegas	
3 - BUILDING REVIEW	brev	BUILDING REVIEW	5/28/2010	apprve	jvillegas	
4 - PLANS PROCESSING	compcomn	COMPILE COMMENTS	5/28/2010		jvillegas	
4 - PLANS PROCESSING	notifycust	NOTIFY CUSTOMER	5/28/2010		jvillegas	
5 - PERMIT COUNTER	verifycont	VERIFY CONTRACTOR	5/28/2010		jvillegas	
6 - PLANS PROCESSING	notifycust	NOTIFY CUSTOMER	5/28/2010		jvillegas	
7 - PERMIT COUNTER	collissue	COLLECT FEES/ISSUE PERMIT	6/2/2010	compl	efraley	NOC - N/A
8 - INSPECTIONS	700	NOC	8/9/2010	n/a	jgarcell	IN-PROGRESS INSP DENIED - NO PERMIT/PLANS POSTED. PROVIDE ROOFING PERMIT - JOSEPH GARCELL 561-721-9921
8 - INSPECTIONS	761	TIN CAP/BASE PLY	8/9/2010	denied	jgarcell	33-5032-004-3120 PETERSEAN RFG & SOLAR (HENRY) 954-444-4863 PARTIAL IN-PROGRESS INSP APP (LEVEL +26'-0") FINAL INSP DENIED - NOT READY - A. RAMOS (LORI 561-721-9921)
8 - INSPECTIONS	763	INSTALLATION/IN-PROGRESS	8/10/2010	part	aramos	INSTALL. IN-PROGRESS INSP APP- A. RAMOS 561-239-9921
8 - INSPECTIONS	764	ROOF FINAL	11/22/2010	denied	aramos	
8 - INSPECTIONS	763	INSTALLATION/IN-PROGRESS	10/6/2010	apprve	aramos	
8 - INSPECTIONS	764	ROOF FINAL	12/3/2010	apprve	aramos	

BRF 2010-2090

~~BRF 2010-2779~~

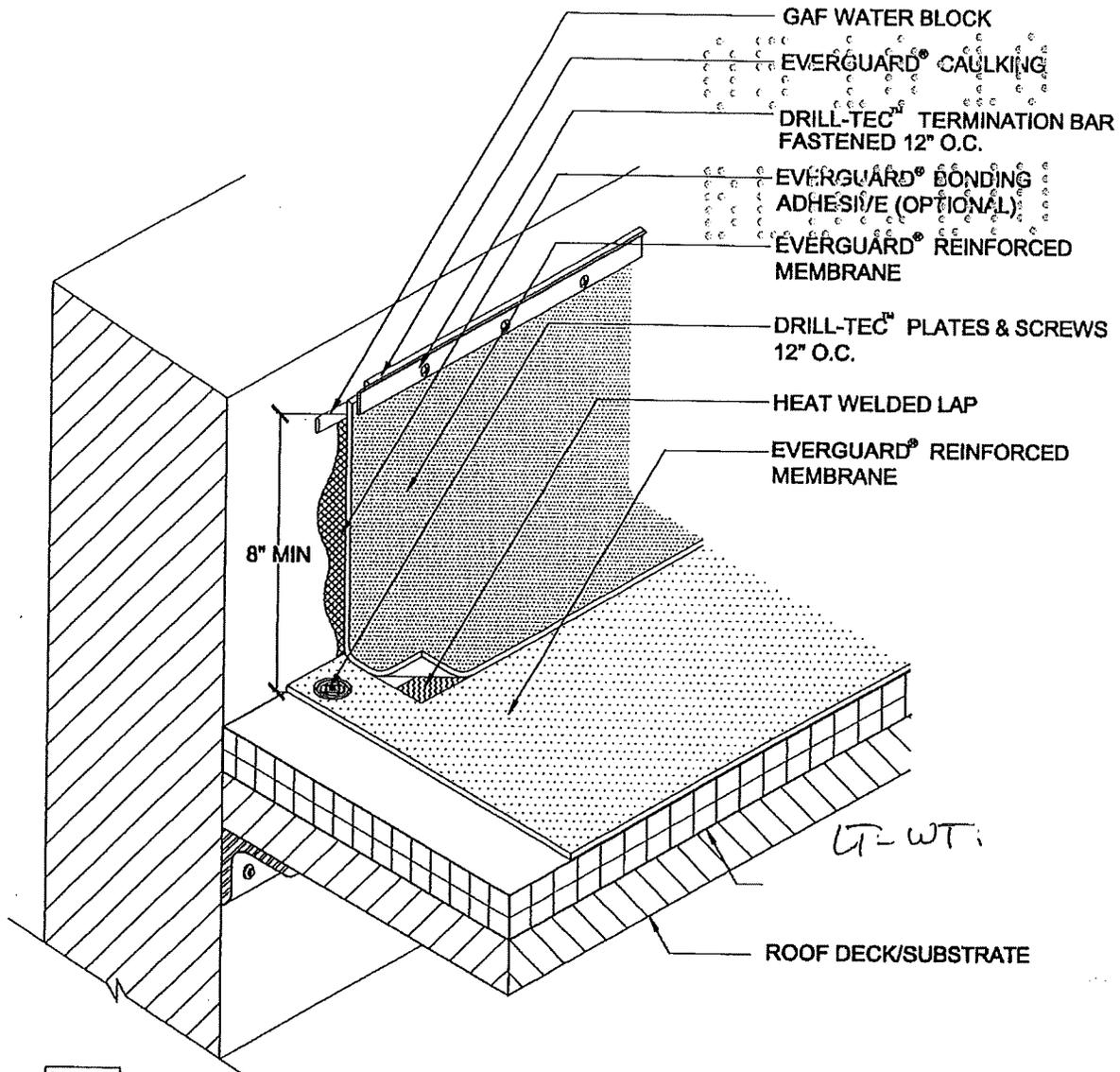
9705 Hibiscus St

OFFICE COPY

2007 FLORIDA BUILDING CODE
EFFECTIVE 3/01/2009

VILLAGE OF PALMETTO BAY				
THIS COPY OF PLAN MUST BE AVAILABLE ON BUILDING SITE OR NO INSPECTION WILL BE GIVEN				
SECTION	APPROVED		DISAPPROVED	
	BY	DATE	BY	DATE
ZONING				
LANDSCAPING				
PUBLIC WORKS				
BUILDING	AR	5/19/10	AR	5/11/10
UTILITIES				
HANDICAP				
STRUCTURAL				
ELECTRICAL				
PLUMBING				
MECHANICAL				
ENERGY				
FIRE				
BUILDING OFFICIAL				

Subject to compliance with all federal, state and local laws and regulations. The Village of Palmetto Bay assumes no responsibility for accuracy of all results of these plans.
NOTICE: In addition to the requirements of these plans, there may be additional restrictions applicable to this in the publications of the county and state.



NOTE:

1. STONE/PAVER BALLAST (NOT SHOWN) REQ'D FOR BA SYSTEMS.
2. FOR INSULATION THICKNESS GREATER THAN 8" CONTACT GAFMC CONTRACTOR SERVICES FOR ALTERNATE MEMBRANE ATTACHMENT REQUIREMENTS.
3. ADD TOP EDGE TERMINATION IMMEDIATELY AFTER MEMBRANE INSTALLATION.
4. PLATES & SCREWS 6" O.C. REQ'D FOR BA SYSTEMS.
5. ADD EVERGUARD® TPO CUTEDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO DETAIL MA/FA/BA 115).

LT-WT:



WALL FLASHING WITH TERMINATION BAR

15 YEAR MAX GUARANTEE

DRAWING #

MA/FA/BA 302

SCALE
N.T.S.

ISSUE/ REVISION DATE
11-01-06

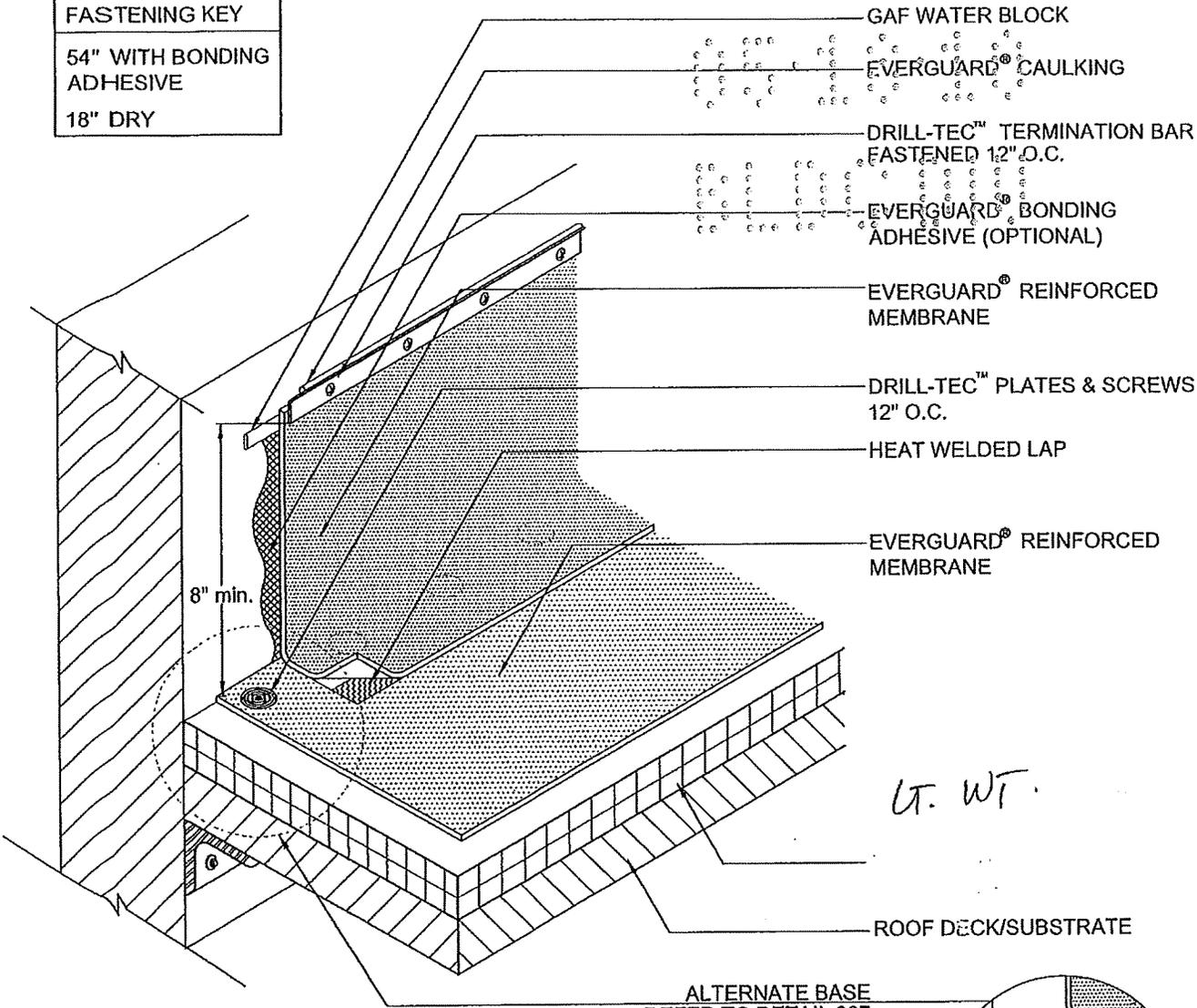
6/2/10 EV

3350320043120

INTERMITTENT FASTENING KEY

54" WITH BONDING ADHESIVE

18" DRY



GAF WATER BLOCK

EVERGUARD® CAULKING

DRILL-TEC™ TERMINATION BAR FASTENED 12" O.C.

EVERGUARD® BONDING ADHESIVE (OPTIONAL)

EVERGUARD® REINFORCED MEMBRANE

DRILL-TEC™ PLATES & SCREWS 12" O.C.

HEAT WELDED LAP

EVERGUARD® REINFORCED MEMBRANE

ROOF DECK/SUBSTRATE

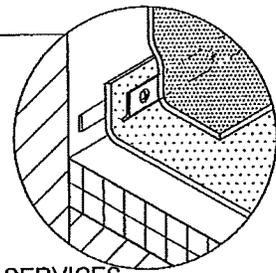
8" min.

LT. WT.

ALTERNATE BASE REFER TO DETAIL 307

NOTE:

1. STONE/PAVER BALLAST (NOT SHOWN) REQ'D FOR BA SYSTEMS.
2. PLATES & SCREWS 6" O.C. REQ'D FOR BA SYSTEMS.
3. INCREASED FASTENING TO 6" O.C. MAY BE REQUIRED TO KEEP CONSTANT COMPRESSION OF BAR TO WALL.
4. FOR INSULATION THICKNESS GREATER THAN 8" CONTACT GAFMC CONTRACTOR SERVICES FOR ALTERNATE MEMBRANE ATTACHMENT REQUIREMENTS. FOR ALTERNATE ATTACHMENT REQUIREMENTS. THESE METHODS MAY INCLUDE THE USE OF A HARD BOARD COVERING THE ASSEMBLY.
5. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES (REFER TO DETAIL MA/FA/BA 115).



CURB FLASHING WITH TERMINATION BAR

15 YEAR MAX GUARANTEE

DRAWING #

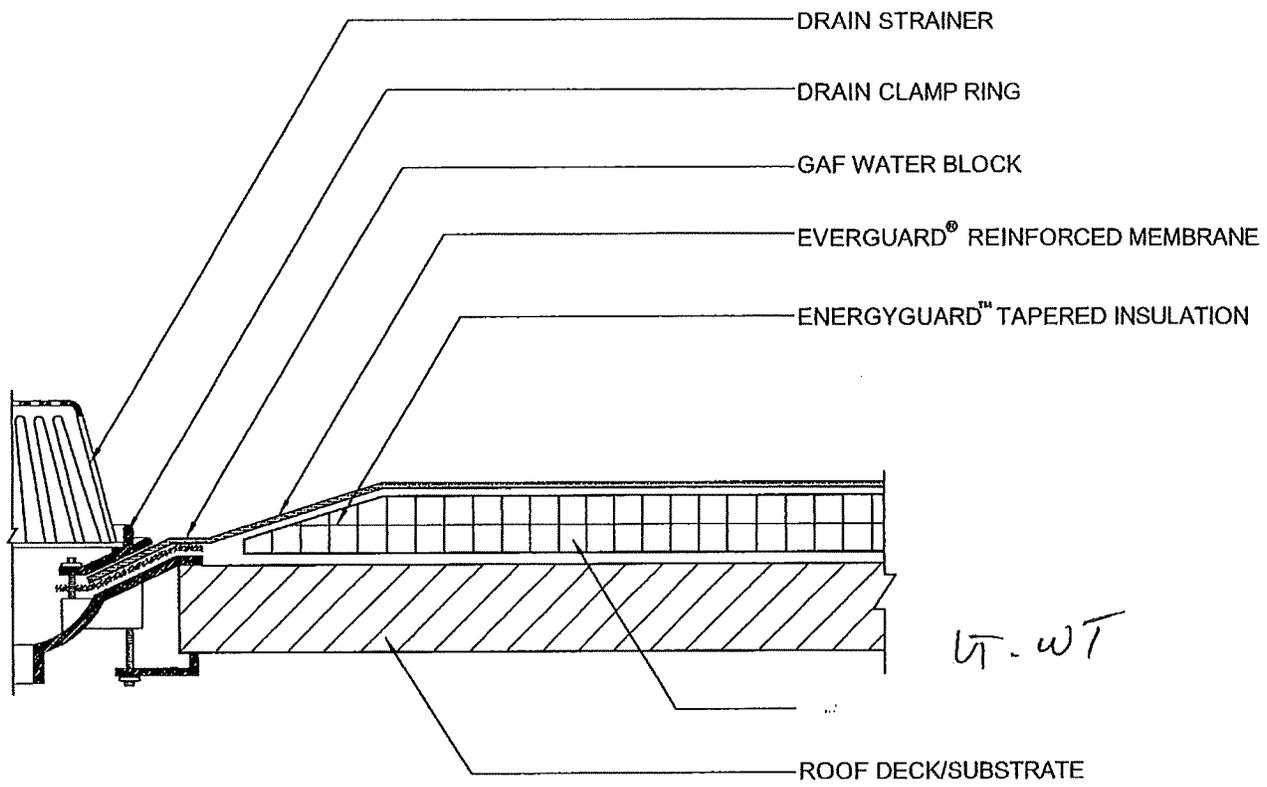
MA/ FA/ BA 502

SCALE

N.T.S.

ISSUE/ REVISION DATE

7-01-07

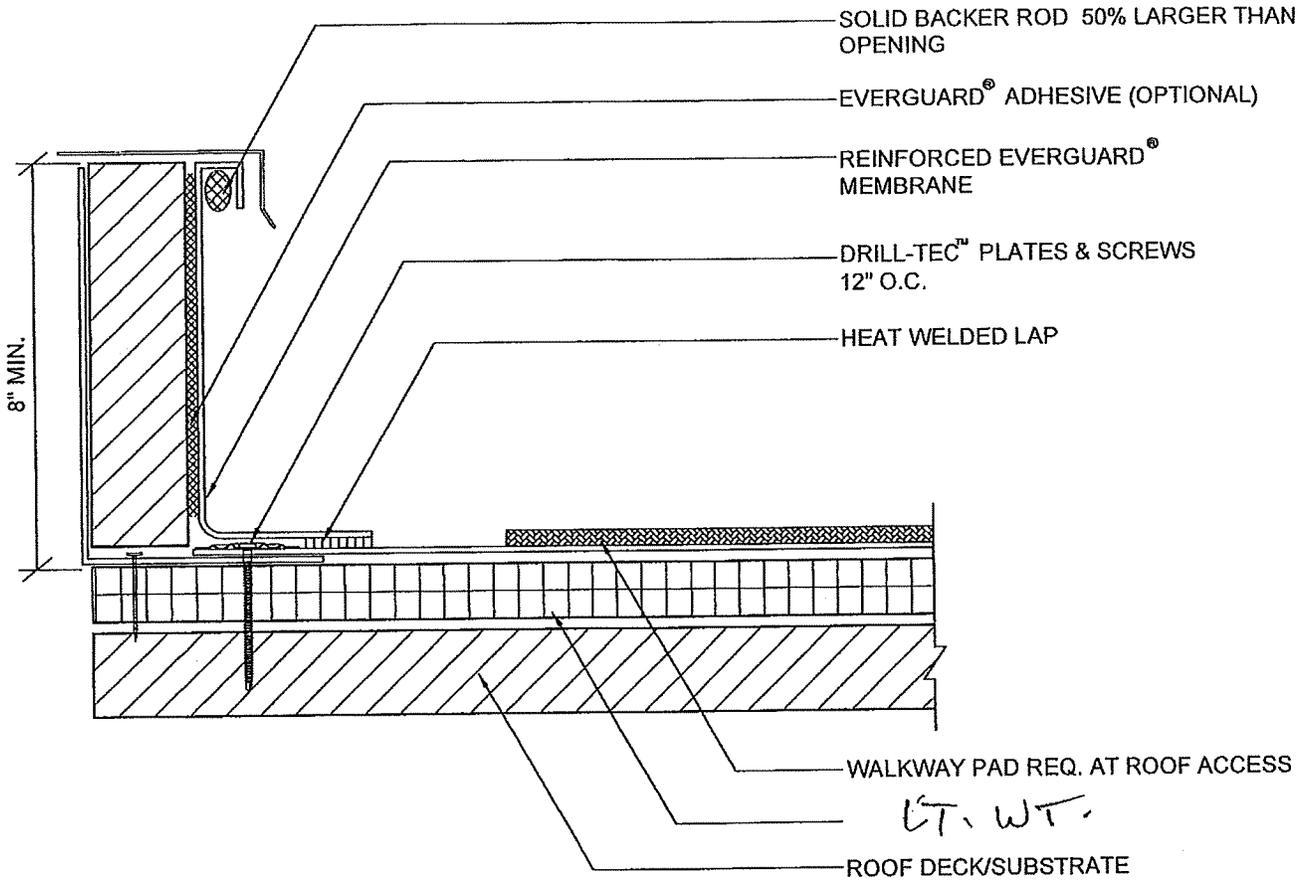


NOTE:

1. A FIELD WELD CANNOT PASS WITHIN 9" OF THE CLAMPING, OR WITHIN THE DRAIN SUMP ITSELF.
2. MEMBRANE MUST EXTEND MINIMUM 1" BEYOND THE BOLT HOLES, THE CLAMPING RING BOLTS MUST PENETRATE THE MEMBRANE.
3. TAPERED INSULATION TO CREATE A ROOF SUMP MINIMUM 36" X 36" IN SIZE. (IF APPLICABLE)
4. EVERGUARD® ADHESIVE/ASPHALT (NOT SHOWN) REQ'D FOR FA SYSTEMS.
5. USE ONE FULL TUBE OF GAF WATER BLOCK PER DRAIN.
6. STONE/PAVER BALLAST (NOT SHOWN) REQUIRED FOR BA SYSTEMS.

 GAF <small>GAF MATERIALS CORPORATION www.gaf.com</small>	 EverGuard <small>SIMPLE-PLY ROOFING SYSTEMS</small>	DRAIN - STANDARD ROOF DRAIN FLASHING	DRAWING #	SYSTEM
			513	MA/FA/BA
ROOF PENETRATION SERIES			SCALE	ISSUE/ REVISION DATE
			N.T.S.	4-01-09

5
 6
 7
 8
 9
 10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100



NOTE:

1. PLATES & SCREWS 6" O.C. REQ'D FOR BA SYSTEMS.
2. APPLY EVERGUARD® TPO AND PVC CUT EDGE SEALANT TO ALL CUT REINFORCED TPO AND PVC EDGES (REFER TO DETAIL MA/FA/BA 115).

 GAF GAF MATERIALS CORPORATION www.gaf.com	 EverGuard <small>SIMPLE TO APPLY ROOFING SYSTEMS</small>	ROOF HATCH DETAIL	DRAWING # 505	SYSTEM MA/FA/BA
	ROOF PENETRATION SERIES		SCALE N.T.S.	ISSUE/REVISION DATE 9-01-09



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)

Elk Corporation of Dallas
202 Cedar Road
Ennis, TX 75219

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 Miami-Dade County Product Control Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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: VersaShield™ Underlayment

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

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

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

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

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

This NOA renews NOA No. 02-0327.03 and consists of pages 1 through 3.
The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 07-0103.08
Expiration Date: 02/07/12
Approval Date: 03/01/07
Page 1 of 3

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: Underlayment
Material: Fiberglass

SCOPE:

This acceptance is for VersaShield™ Underlayment as manufactured by Elk Corporation of Dallas, as described in this Notice of Acceptance, for use with approved prepared roof assemblies. Designed to comply with the Florida Building Code and the High Velocity Hurricane Zone of the Florida Building Code.

PRODUCT DESCRIPTION:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
VersaShield™	42" x 100' rolls	ASTM D 226 Type II	Non-Asphaltic fiberglass-based underlayment and/or fire barrier.

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
PRI Asphalt Technologies, Inc.	ELK-063-02-01	TAS 100	09/27/01
Underwriters Laboratories Inc.	99NK45831	ASTM E-108	03/21/00
Underwriters Laboratories Inc.	R19254	ASTM D-226	09/13/01
PRI Asphalt Technologies, Inc.	ELK-069-02-01	TAS 100	03/04/02
	BRY-003-02-01	TAS 117(B)	03/19/02
	BRY-003-02-01	TAS 114 (H)	

INSTALLATION:

1. VersaShield™ shall be installed in strict compliance with applicable Building Code.
2. VersaShield™ shall be installed with a minimum 4-inch head lap in a single layer fashion.
3. VersaShield™ is a component used in roof assemblies. Roof assemblies are approved under specific assembly Notice of Acceptance.
4. VersaShield™ may be used with any approved roof covering Notice of Acceptance listing VersaShield™ as a component part of an assembly in the Notice of Acceptance. If VersaShield™ is not listed, a request may be made to the Authority Having Jurisdiction (AHJ) or the Miami-Dade County Product Control Department for approval provided that appropriate documentation is provided to detail compatibility of the products, wind uplift resistance, and fire testing results.
5. VersaShield™ is a non-asphaltic underlayment that may be used as a fire barrier for prepared roof assemblies. For fire classification of specific roof assemblies using VersaShield™ refer to a current Approved Roofing Materials Directory for fire ratings of this product.



NOA No.: 07-0103.08
 Expiration Date: 02/07/12
 Approval Date: 03/01/07
 Page 2 of 3

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. This acceptance is for prepared roofing applications. Minimum deck requirements shall be in compliance with applicable building code.

LABELING:

All packaging shall bear the imprint or identifiable marking of the manufacturer's name or logo and yellow line to identify the ASTM Standard designation.

BUILDING PERMIT REQUIREMENTS:

Application for building permit shall be accompanied by copies of the following:

1. This Notice of Acceptance.
2. Any other documents required by the Building Official or applicable building code in order to properly evaluate the installation of this material.

END OF THIS ACCEPTANCE



Roofing Systems (TGFU)—Continued

- 23. Membrane: "EverGuard TPO" 45-80 mil, fully adhered with "EverGuard H₂O Bonding Adhesive" applied at 120-ft.² /gal.
Deck: NC Incline: 1/4
Insulation: Firestone Building Products "ISO 95+ GL", "EnergyGuard", wood fiber, glass fiber or perlite, any thickness.
Membrane: "EverGuard TPO" 45-80 mil, fully adhered with "EverGuard H₂O Bonding Adhesive" applied at 120-ft.² /gal.
- 24. Deleted
- 25. Deck: NC Incline: 2-1/2
Membrane: One layer "Everguard TPO FB 450 Ultra", "Everguard TPO FB 600 Ultra" or "Everguard TPO FB 800 Ultra", adhered with "EverGuard H₂O Bonding Adhesive" applied at 120-ft.² /gal.
- 26. Deck: NC Incline: 2-1/2
Membrane: One layer "Everguard TPO FB 450 Ultra", "Everguard TPO FB 600 Ultra" or "Everguard TPO FB 800 Ultra", adhered with TACC 636 at 120 sq. ft./gal.
- 27. Deleted
- 28. Deck: NC Incline: 1
Membrane: One layer "EverGuard TPO FB 450 Ultra", "Everguard TPO FB 600 Ultra" or "Everguard TPO FB 800 Ultra", hot mopped or mechanically fastened.
- 29. Deck: NC Incline: 3/4
Insulation (Optional): Any UL Classified polyisocyanurate, wood fiber, glass fiber, or perlite any thickness.
Base Sheet: One or more plies Type G1 or Type G2 or "GAF Stratavent Eliminator Venting Base Sheet (Nailable)", mechanically fastened.
Ply Sheet (Optional): One or more plies Type G1 "GAFGLAS Ply 6", hot mopped or mechanically fastened.
Membrane: Two or more plies "Ruberoid 20" or three or more plies Type G1 "GAFGLAS Ply 6", hot mopped.
Membrane: "EverGuard TPO FB", 600 Ultra and 800 Ultra or "Everguard EGFB" 40-100 mil (TPA), hot mopped or mechanically fastened.
- 30. Deck: C-15/32 Incline: 3/4
Insulation: Any UL Classified polyisocyanurate, minimum 3 in. thick.
Base Sheet: One or more plies Type G1 or Type G2 or "GAF Stratavent Eliminator Venting Base Sheet (Nailable)", mechanically fastened.
Ply Sheet (Optional): One or more plies Type G1 "GAFGLAS Ply 6", hot mopped or mechanically fastened.
Membrane: Two or more plies "Ruberoid 20" or three or more plies Type G1 "GAFGLAS Ply 6", hot mopped.
Membrane: "EverGuard TPO FB", 600 Ultra and 800 Ultra or "Everguard EGFB" 40-100 mil (TPA), hot mopped or mechanically fastened.
- 31. Deck: NC Incline: 3/4
Insulation (Optional): Wood fiber, glass fiber, perlite, ½-in. thick minimum.
Membrane: One ply "Everguard TPO FB" 450 Ultra, 600 Ultra or 800 Ultra, hot mopped or mechanically fastened.
- 32. Deck: NC Incline: 1/2
Insulation (Optional): Minimum ½-in. thick wood fiber over any UL Classified polyisocyanurate, any thickness.
Membrane: "EverGuard Freedom TPO" 45, 60 or 80-mil self adhered.
- 33. Deck: NC Incline: 2
Membrane: "EverGuard Freedom TPO" 45, 60 or 80-mil self adhered.
- 34. Deck: C-15/32 Incline: 2
Insulation (Optional): Any UL Classified, any thickness.
Barrier Board: Minimum ¼-in. thick G-P Gypsum Corp. "DensDeck® Roofboard," "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard"
Membrane: "EverGuard Freedom TPO" 45, 60 or 80-mil self adhered.
- 35. Deck: NC Incline: 1/4
Insulation (Optional): Atlas Roofing Corp. "ACFoam II" or "EnergyGuard RA" or Johns Manville International Inc. "ENRGY 3" or "EnergyGuard RN" or Firestone Building Products "ISO 95+ GL" or "EnergyGuard" or wood fiber or glass fiber or perlite, any thickness.
Slip Sheet (Optional): 1 ply "StormSafe" mechanically fastened
Membrane: "EverGuard Freedom TPO" 45, 60 or 80-mil self adhered.
- 36. Deck: C-15/32 Incline: 2-1/2

Roofing Systems (TGFU)—Continued

- Barrier Board: G-P Gypsum Corp. "DensDeck® Roofboard," "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard", with all butt joints in barrier board staggered a minimum of 6-in. from butt joints in plywood deck.
Membrane: "EverGuard Freedom TPO" 45, 60 or 80-mil self adhered.
- 37. Deck: NC Incline: 1/2
Insulation (Optional): Atlas Roofing "ACFoam II" or "EnergyGuard RA", any thickness.
Membrane: "EverGuard Freedom TPO" 45, 60 or 80-mil self adhered.
- 38. Deck: C-15/32 Incline: 1
Primer: "Fire Out" applied at 1-gal/100-ft²
Base Sheet (Optional): One ply Type G2, mechanically fastened.
Slip Sheet (Optional): One ply "StormSafe" or Atlas Roofing Corp. "FR-10" or "FR-50" or Elk Corp. "VersaShield 1S" or "VersaShield 2S" mechanically fastened.
Membrane: "EverGuard Freedom TPO" 45, 60 or 80- mil self adhered.
- 39. Deck: NC Incline: 1/4
Insulation: Firestone Building Products "ISO 95+ GL" or Atlas Roofing Corp. "ACFoam II" or "EnergyGuard RA" or "EnergyGuard", any thickness, any combination.
Membrane: GAF "EverGuard TPO" 45 or 60 mil, adhered with "EverGuard TPO #1121 Bonding Adhesive" applied at 60-ft² /gal.
- 40. Deck: NC Incline: 1
Insulation: "EnergyGuard" or "EnergyGuard Ultra" or "EnergyGuard RA" or Firestone Building Products Co. "ISO 95+ GL" or Atlas Roofing Corp. "ACFoam II" or Johns Manville International Inc. "ENRGY 3" or "EnergyGuard RN" or wood fiber or glass fiber or perlite, any thickness.
Membrane: "EverGuard PVC" 50-80 mil, adhered with "EverGuard #2331 Bonding Adhesive" applied at 60-ft² /gal.
- 41. Deck: NC Incline: 1
Insulation: "EnergyGuard" or "EnergyGuard Ultra" or "EnergyGuard RA" or Firestone Building Products Co. "ISO 95+ GL" or Atlas Roofing Corp. "ACFoam II" or Johns Manville International Inc. "ENRGY 3" or "EnergyGuard RN" or wood fiber or glass fiber or perlite, any thickness.
Membrane: "EverGuard PVC" 50-80 mil, adhered with "EverGuard H₂O Bonding Adhesive" applied at 0.83-gal/100-ft²
- 42. Deck: C-15/32 Incline: 3-1/2
Barrier Board: Minimum ¼-in. thick G-P Gypsum Corp. "DensDeck® Roofboard," "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" with all butt joints staggered a minimum of 6-in. from the plywood butt joints; staggered joints not required for non-combustible roof decks, mechanically fastened.
Membrane: "EverGuard PVC" 50-80 mil, adhered with "EverGuard H₂O Bonding Adhesive" applied at 0.83-gal/100-ft²
- 43. Deck: C-15/32 Incline: 1/2
Barrier Board (Required For Combustible Deck): minimum ½-in. thick gypsum board mechanically fastened with insulation fasteners (barrier board butt joints staggered a minimum of 6-in. from butt joints in plywood roof deck).
Insulation: "EnergyGuard RA" or Atlas Roofing Corp. "ACFoam II" or ¾-in. minimum wood fiberboard over EPS.
Membrane: "EverGuard PVC" 50-80 mil, fully adhered with "EverGuard #2331 Bonding Adhesive" applied at 2-gal/100-ft²
- 44. Deck: C-15/32 Incline: 2
Barrier Board: minimum ½-in. thick gypsum board, mechanically fastened with insulation fasteners. (barrier board butt joints staggered a minimum of 6-in. from butt joints of plywood roof)
Insulation: ¾-in. minimum wood fiberboard over EPS.
Membrane: "EverGuard PVC" 50-80 mil, fully adhered to the insulation with "EverGuard #2331 Bonding Adhesive" applied at 2-gal/100-ft²
- 45. Deck: NC Incline: 1/2
Insulation: "EnergyGuard RA" or Atlas Roofing Corp. "ACFoam II" or ¾-in. minimum wood fiberboard over EPS.
Membrane: "EverGuard PVC", 50-80 mil, fully adhered with "EverGuard #2331 Bonding Adhesive" applied at 2-gal/100-ft²
- 46. Deck: NC Incline: 1
Insulation (Optional): Polystyrene or polyisocyanurate, any thickness.
Barrier Board: minimum 15/32-in. thick plywood or 7/16-in. thick oriented strand board.

Roofing Systems (TGfU)—Continued

Base Sheet: One or more plies Type G1 or Type G2, mechanically fastened or hot mopped.

Ply Sheet (Optional): One or more plies Type G1, mechanically fastened or hot mopped.

Membrane: One or more plies "Ruberoid Torch Smooth".

Surfacing: "Weathercote Low VOC" or "Weathercote" - 2-gal/100 ft².

17. Deck: C 15/32 Incline: 1/2

Slip Sheet (Optional): 1 ply "StormSafe" mechanically fastened.

Base Sheet: One or more plies "Liberty SBS Self-Adhering Base/Ply Sheet" or "Ruberoid SA Base/Ply Sheet" self-adhered.

Cap Sheet: One or more plies "Liberty SBS Self-Adhering Cap Sheet" or "Ruberoid SA Cap Sheet" or "Ruberoid SA Cap FR Sheet" self-adhered.

18. Deck: NC Incline: 1/2

Primer: "Fire Out" applied at 1-gal/100-ft².

Insulation: Polyisocyanurate, perlite, glass fiber or wood fiber, 2-in. maximum, hot mopped or mechanically fastened.

Slip Sheet (Optional): 1 ply "StormSafe" mechanically fastened

Base Sheet (Optional): One ply "Liberty MA Base Sheet" mechanically fastened.

Ply Sheet: One ply "Liberty SBS Self-Adhering Base/Ply Sheet" or "Ruberoid SA Base/Ply Sheet" self adhered.

Cap Sheet: One ply "Liberty FR SBS Self-Adhering Cap Sheet" or "Ruberoid SA Cap Sheet" or "Ruberoid SA Cap FR Sheet" self adhered.

SINGLE PLY MEMBRANE ROOFING SYSTEMS (TPA, PVC and TPO)
Unless otherwise indicated, "EverGuard SR" membranes used in systems are mechanically fastened with large head metal or plastic fasteners with an on-center spacing of 18-in. and maximum 2-in. from membrane's edge. Adjacent sheets are lapped 4-in., covering fasteners. Laps are then heat-sealed. The "Everguard EGFB" (TPA) membranes are fully adhered with hot roofing asphalt.

Class A - Ballasted

1. Deck: C-15/32 Incline: 2
Insulation: Polystyrene, polyisocyanurate, polyurethane, kraft-faced glass fiber, perlite, wood fiber, gypsum board, any thickness, laid loosely.
Slip Sheet (Optional): Glass fiber reinforced kraft paper.
Membrane: "EverGuard PVC", 50-80 mil laid loosely.
Surfacing: River bottom stone (½ to 2½ in. diameter) 1000-lb/100-ft² or crushed stone (½ to ¾-in.) at 900-lbs/100-ft² minimum, or concrete blocks (10-lb/ft²) spread not more than 1/8-in. apart, or "STYROFOAM" panels surfaced with 3/8-in. (maximum) concrete mortar (panels to be abutted together).
2. Deck: NC Incline: 3
Insulation: a) Polystyrene, 2-in. maximum, b) polyisocyanurate, any thickness, laid loosely.
Membrane: "EverGuard SR" or "Everguard EGFB," (TPA) 40-100 mil, laid loosely.
Surfacing: River bottom stone (¾ - 1½-in. diameter) at 1000-lb/100-ft² or concrete roof pavers.

Class A - Fully Adhered

1. Deck: NC Incline: 1-1/2
Gypsum Board: ½-in., mechanically fastened.
Membrane: "Everguard EGFB" (TPA) 40-100 mil.
2. Deck: NC Incline: 2
Gypsum Board (Optional): ½-in., mechanically fastened.
Insulation: Johns Manville "ENRGY 1G" or Firestone Building Products "ISO 95+ GL" or Apache Building Products "Pyrox White Line", any thickness.
Membrane: "Everguard EGFB" (TPA) 40-100 mil.
3. Deck: NC Incline: 1-1/2
Gypsum Board (Optional): ½-in., mechanically fastened.
Insulation: Rmax Inc. "Thermarof Plus-3", any thickness.
Membrane: "Everguard EGFB" (TPA) 40-100 mil.
4. Deck: C-15/32 Incline: 3-1/2
Insulation (Optional): Polyisocyanurate, extruded or expanded polystyrene, any thickness.
Barrier Board: Minimum ½-in. thick gypsum wallboard or minimum 1/4-in. G-P Gypsum Corp. "DensDeck @ Roofboard," "DensDeck Prime@ Roofboard" or "DensDeck DuraGuard™ Roofboard".
Membrane: "Everguard EGFB" (TPA) 40-100 mil.
5. Deck: NC Incline: 2-1/2
Insulation: Celotex "Thermax Hy-Tec", any thickness.
Membrane: "Everguard EGFB" (TPA) 40-100 mil.
6. Deck: NC Incline: 2
Insulation: Celotex "Hy-Therm AP", any thickness.

Roofing Systems (TGfU)—Continued

- Membrane: "Everguard EGFB" (TPA) 40-100 mil.
7. Deck: NC Incline: 2
Insulation: Johns Manville "ENRGY 1G" or Atlas Roofing "ACFoam II" or Rmax Inc. "Thermarof Plus-3" or "Multi-Max-3" any thickness.
Membrane: "Everguard EGFB" (TPA) 40-100 mil.
8. Deck: NC (Concrete) Incline: 1
Insulating Concrete (Optional): Deck covered with one of the following insulating concretes (poured in place): Cellular, vermiculite, perlite, gypsum or structural.
Membrane: "Everguard EGFB" (TPA) 40-100 mil.
9. Deck: Structural Cement Fiber Unit Incline: 2
Insulation (Optional): One or more of the following or combinations, any thickness: Johns Manville "ENRGY 1G" or Rmax Inc. "Thermarof Plus-3" or "Multi-Max-3" or Atlas Roofing "ACFoam I" or "ACFoam II".
Membrane: "Everguard EGFB" (TPA) 40-100 mil.
10. Deck: NC Incline: 2
Vapor Retarders (Optional, not UL Classified): (1) 6 mil polyethylene, (2) Kraft or (3) Kraft laminate.
Insulation: One or more of the following or combinations, mechanically fastened, any thickness: Rmax "Multi Max" or Atlas Roofing "ACFoam II" or Johns Manville "ENRGY 1G".
Membrane: "Everguard EGFB" (TPA) 40-100 mil.
11. Deck: NC Incline: 2-1/2
Vapor Barrier (Optional): Polyethylene or polypropylene, any thickness.
Insulation: Celotex Corp. "Hy-Therm AP" 2 in. thick maximum.
Membrane: "Everguard EGFB" (TPA) 40-100 mil.
12. Deck: C-15/32 Incline: 2
Barrier Board: Gypsum wallboard, ½-in. minimum, butt joints in wallboard staggered a minimum of 6-in. from plywood decks butt joints.
Insulation: Johns Manville "ENRGY 1G" or Atlas Roofing "ACFoam II" or Rmax Inc. "Thermarof Plus-3" or "Multi-Max-3", any thickness.
Membrane: "Everguard EGFB" (TPA) 40-100 mil.
13. Deck: NC Incline: 1
Insulation (Optional): Polyisocyanurate, any thickness, mechanically fastened or hot mopped.
Ply Sheet (Optional) One or more plies Type G1 or Type G2, hot mopped.
Membrane: EverGuard "EGFB" (TPA) 40-100 mil, hot mopped.
14. Deck: NC Incline: 1
Insulation: Polyisocyanurate, any thickness, mechanically fastened.
Cover Board: Perlite, any thickness, hot mopped.
Ply Sheet: One or more plies "Ruberoid Mop Smooth" hot mopped in place.
Membrane: EverGuard "EGFB" (TPA) 40-100 mil, hot mopped.
15. Deck: NC Incline: 1
Insulation: One of the following, any thickness:
1. "EnergyGuard"
2. "EnergyGuard RA"
3. Firestone Building Products "ISO 95+ GL"
4. Atlas Roofing "ACFoam II"
Membrane: "EverGuard PVC SR" 40-80 mil adhered with "EverGuard #2331 Bonding Adhesive" applied at 1-gal/60-ft².
16. Deck: C-15/32 Incline: Unlimited
Insulation: Any UL Classified insulation, any thickness.
Barrier Board: minimum ½-in. thick G-P Gypsum Corp. "DensDeck @ Roofboard," "DensDeck Prime@ Roofboard" or "DensDeck DuraGuard™ Roofboard" (butt joints in barrier board staggered a minimum of 6-in. from butt joints of the plywood deck)
Membrane: "EverGuard PVC SR", 40-80 mil adhered with "EverGuard #2331 Bonding Adhesive" applied at 1-gal/60-ft².
17. Deleted
18. Deck: NC Incline: 1/2
Insulation: Atlas Roofing "ACFoam II", "EnergyGuard RA", wood fiber, glass fiber or perlite, any thickness.
Membrane: "EverGuard TPO" 45-80 mil, fully adhered with "TPO Bonding Adhesive", applied at 60-ft² /gal.
19. Deleted
20. Deleted
21. Deleted
22. Deck: NC Incline: 1/2
Insulation: Atlas Roofing Corp. "ACFoam II" or "EnergyGuard RA" or wood fiber or glass fiber or perlite, any thickness.

SECTION 1524
HIGH VELOCITY HURRICANE ZONES REQUIRED OWNERS NOTIFICATION FOR ROOFING CONSIDERATIONS

1524.1 As it pertains to this section, it is the responsibility of the roofing contractor to provide the owner with the required roofing permit, and to explain to the owner the content of this section. The provisions of Chapter 15 of the Florida Building Code, Building govern the minimum requirements and standards of the industry for roofing system installations. Additionally, the following items should be addressed as part of the agreement between the owner and the contractor. The owner's initial in the adjacent box indicates that the item has been explained.

1. **Aesthetics-Workmanship:** The workmanship provisions of Chapter 15 (High Velocity Hurricane Zone) are for the purpose of providing that the roofing system meets the wind resistance and water intrusion performance standards. Aesthetics (appearance) issues are not a consideration with respect to workmanship provisions. Aesthetic issues such as color or architectural appearance, that are not part of a zoning code, should be addressed as part of the agreement between the owner and the contractor.

2. **Renailing Wood Decks:** When replacing roofing, the existing wood roof deck may have to be renailed in accordance with the current provisions of Chapter 16 (High Velocity Hurricane Zones) of the Florida Building Code. (The roof deck is usually concealed prior to removing the existing roof system).

3. **Common Roofs:** Common roofs are those which have no visible delineation between neighboring units (i.e. townhouses, condominiums, etc.). In buildings with common roofs, the roofing contractor and/or owner should notify the occupants of adjacent units of roofing work to be performed.

4. **Exposed Ceilings:** Exposed, open beam ceilings are where the underside of the roof decking can be viewed from below. The owner may wish to maintain the architectural appearance, therefore, roofing nail penetrations of the underside of the decking may not be acceptable. The Florida Building Code provides the option of maintaining this appearance.

5. **Ponding Water:** The current roof system and/or deck of the building may not drain well and may cause water to pond (accumulate) in low-lying areas of the roof. Ponding can be an indication of structural distress and may require the review of a professional structural engineer. Ponding may shorten the life expectancy and performance of the new roofing system. Ponding conditions may not be evident until the original roofing system is removed. Ponding conditions should be corrected.

6. **Overflow scuppers (wall outlets):** It is required that rainwater flow off so that the roof is not overloaded from a build up of water. Perimeter/edge walls or other roof extensions may block this discharge if overflow scuppers (wall outlets) are not provided. It may be necessary to install overflow scuppers in accordance with the Florida Building Code, Plumbing.

7. **Ventilation:** Most roof structures should have some ability to vent natural airflow through the interior of the structural assembly (the building itself). The existing amount of attic ventilation shall not be reduced. It may be beneficial to consider additional venting which can result in extending the service life of the roof.

Owner's/Agent's Signature

Date

Contractor's Signature

9705 E. HIBISCUS STREET

Master B-2010-8464 Roofing Permit

Property Address

Permit Number

High Velocity Hurricane Zone Uniform Roofing Permit Application Form
MIAMI-DADE COUNTY BUILDING DEPARTMENT ELECTRONIC APPLICATION

INSTRUCTION PAGE

COMPLETE THE NECESSARY SECTIONS OF THE UNIFORM ROOFING PERMIT APPLICATION FORM AND ATTACH THE REQUIRED DOCUMENTS AS NOTED BELOW.

Roof System	Required Sections of the Permit Application Form	Attachments Required See List Below
Low Slope Application	A, B, C	1,2,3,4,5,6,7
Prescriptive BUR RAS 150	A, B, C	4,5,6,7
Asphaltic Shingles	A, B, D	1,2,4,5,6,7
Concrete or Clay Tile	A, B, D, E	1,2,3,4,5,6,7
Metal Roofs	A, B, D	1,2,3,4,5,6,7
Wood Shingles and Shakes	A, B, D	1,2,4,5,6,7
Other	As Applicable	1,2,3,4,5,6,7

ATTACHMENTS REQUIRED

1. Fire Directory Listing Page
2. From the Miami-Dade County Notice of Acceptance
 - ✦ NOA Cover Sheet
 - ✦ NOA Specific System Description
 - ✦ NOA Specific System Limitations
 - ✦ NOA General Limitations
 - ✦ Applicable Detail Drawings
3. Design Calculations per Chapter 16, or if applicable, RAS 127 or RAS 128
4. Other Component Notice of Acceptances
5. Municipal Permit Application
6. Owners Notification for Roofing Considerations (Appendix "F" Form) Re-roofing or Repairs Only
7. Any Required Roof Testing/Calculation Documentation

Any other additional data reasonably required by the Building Official to determine the integrity of the roofing system.

Section A (General Information)

Master Permit No.

Process No.

Contractor's Name:

Job Address:

PETERSEN DEAN ROOFING AND SOLAR

9705 E. HIBISCUS STREET

Roof Category

- Low Slope
- Asphalt/Flt Shingles
- Prescriptive BUR-RAS 150

- Mechanically Fastened Tile
- Metal Panel/Shingles
- Other: _____

- Mortar/Adhesive Set Tile
- Wood Shingles/Shakes

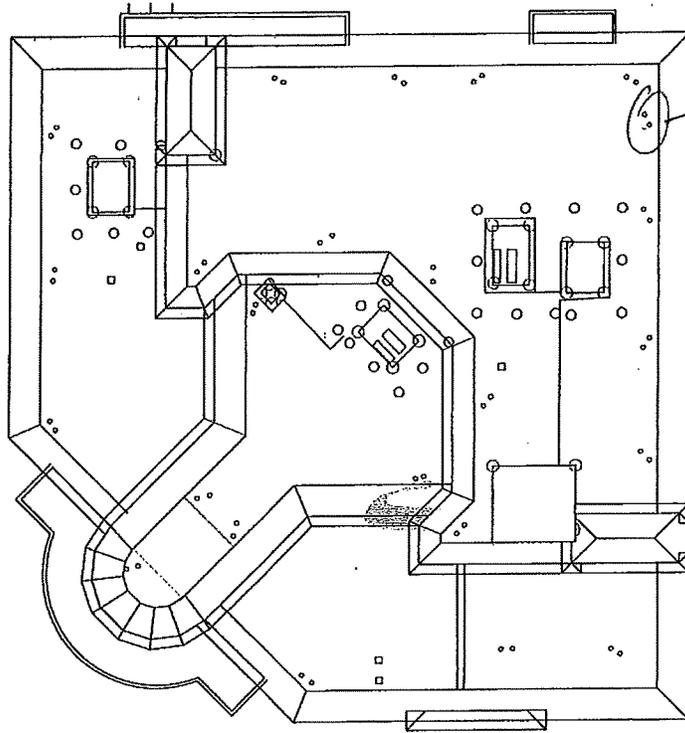
Roof Type

- New Roof
- Re-Roofing
- Recovering
- Repair
- Maintenance

Are there Gas Vent Stacks located on the roof? Yes No If yes, what type? Natural LPGX

Roof System Information

Low slope roof area (ft²) 12900 | Steep Sloped area (ft²) 7500 | Total (ft²) 20400



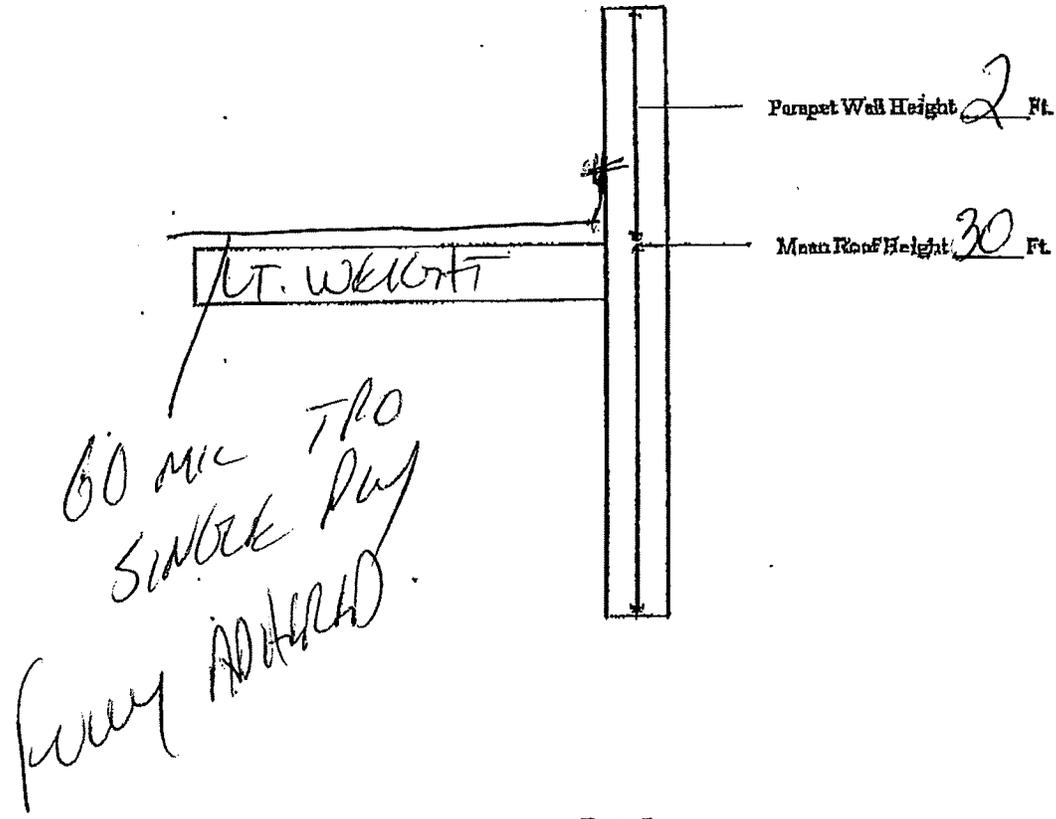
6" DRAIN
 6" curb
 6" drain
 TYPICAL
 1/4" PBR
 FOOT

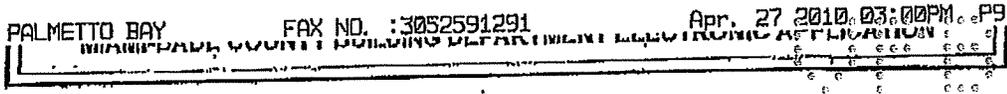
Illustrate Components Noted and Details as Applicable:

Woodblocking, Gutter, Edge Terminations/Stripping/Flashing, Continuous Cleat, Cant Strip, Base Flashing, Counterflashing, Coping, Etc.

Indicate: Mean Roof Height, Parapet Height, Height of Base Flashing, Component Material, Material Thickness, Fastener Type, Fastener Spacing

Or: Submit Manufacturers Details that Comply with RAS-111 and Chapter 16

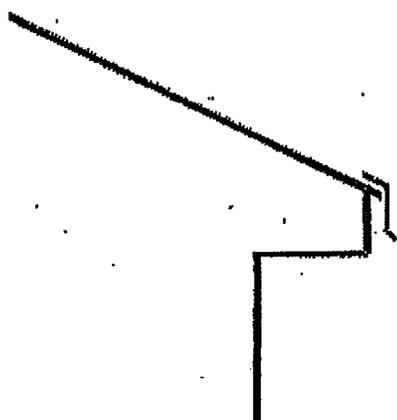




Section D (Steep Sloped Roof System)

Roof System Manufacturer:	Bulkhead
Notice of Acceptance Number:	07-0831.11
Minimum Design Wind Pressure, if Applicable (from RAS 127 or Calculations):	
P 1:	53
P 2:	11.2
P 3:	11.2
Maximum Design Wind Pressure, (From the PCA Specific system):	174.1 25

Sloped System Description



Deck Type: 5/8" Plywood

Alternate Deck Type:

Underlayment Type: 30 #

Insulation/Fire Barrier Board: VERSA-SHEED

Optional Notable Substrate:

Fasteners: 1/4" UNF x TTCS

Cap Sheet Type/Adhesive Type:

Roof Covering: STANDING SEAM

Roof Covering Attachment Method: 3" 24" W. GALV

Drip Edge Size & Gauge: 2" face 26 ga.

Drip Edge Material Type: Galvanized Metal

Drip Edge Fastener Type:

Hook Strip/Cleat ga. or weight: N/A

Roof Slope: 5/12

Roof Mean Height: 35

Ridge Ventilation: N/A

Method of Tile Attachment: N/A

Alternate Tile Attachment Method:

Clip Spacing for Metal Roof Panels:

Field: 16" Parameters: 8" Corners: 8"

Perimeter Width: 3'

Section E (Tile Calculations)

For Moment based tile systems, chose either Method 1 or 2. Compare the values for Mr with the values from Mf. If the Mf values are greater than or equal to the Mr values, for each area of the roof, then the tile attachment method is acceptable.

Method 1 "Moment Based Tile Calculations Per RAS 127"

P 1:	x λ	Mg:	= Mr1:	NOA Mf:
P 2:	x λ	Mg:	= Mr1:	NOA Mf:
P 3:	x λ	Mg:	= Mr1:	NOA Mf:

Method 2 "Simplified Tile Calculation Per Table Below"

Required Moment of Resistance (Mr) From the Table Below: NOA Mf:
 Mr Required Moment Resistance*

Mean Roof Height in Feet	15'	20'	25'	30'	40'
Roof Slope	↑	↑	↑	↑	↑
2:12	34.4	36.6	38.2	39.7	42.2
3:12	32.2	34.4	36.0	37.4	39.8
4:12	30.4	32.2	33.8	35.1	37.3
5:12	28.4	30.1	31.6	32.8	34.9
6:12	26.4	28.0	29.4	30.6	32.4
7:12	24.4	25.9	27.1	28.2	30.0

*This Table must be used in conjunction with a list of moment based tile systems endorsed by the Broward county Board of Rules and Appeals.

MIAMI DADE COUNTY BUILDING DEPARTMENT ELECTRONIC APPLICATION

For Uplift based tile systems use Method 3. Compare the values for F' with the values for Fr. If the F' values are greater than or equal to the Fr values, for each area of the roof, then the tile attachment method is acceptable.

Method 3 "Uplift Based Tile Calculations Per RAS 127"

$$\begin{aligned}
 (P1) \quad & \lambda \times l \times \left[\frac{1}{2} W \right] = \lambda \times W \times \left[\frac{1}{2} W \right] - W \times \left[\frac{1}{2} W \right] \times \cos \theta = Fr \\
 & \text{NOA } F' \\
 (P2) \quad & \lambda \times l \times \left[\frac{1}{2} W \right] = \lambda \times W \times \left[\frac{1}{2} W \right] - W \times \left[\frac{1}{2} W \right] \times \cos \theta = Fr \\
 & \text{NOA } F' \\
 (P3) \quad & \lambda \times l \times \left[\frac{1}{2} W \right] = \lambda \times W \times \left[\frac{1}{2} W \right] - W \times \left[\frac{1}{2} W \right] \times \cos \theta = Fr \\
 & \text{NOA } F'
 \end{aligned}$$

Where to Obtain Information

Description	Symbol	Where to Find
Design Pressure	P1 or P2 or P3	RAS 127 Table 1 or by an engineering analysis prepared by a P.E. based on ASCE 7-98
Mean Roof Height	H	Job Site
Roof Slope	θ	Job Site
Aerodynamic Multiplier	λ	NOA
Restoring Moment due to Gravity	Mg	NOA
Attachment Resistance	Mf	NOA
Required Moment Resistance	Mr	Calculated
Minimum Attachment Resistance	F'	NOA
Required Uplift Resistance	Fr	Calculated
Average Tile Weight	W	NOA
Tile Dimensions	l = length w = width	NOA

All calculations must be submitted to the Building Official at the time of permit application.



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) 375-2900 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Berridge Manufacturing Co.
 1720 Maury
 Houston, TX. 77026-7199

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 Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

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

DESCRIPTION: Berridge Manufacturing Company Zee-Lock Panel with Continuous Clip

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

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

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

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

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

This NOA consists of pages 1 through 5.

The submitted documentation was reviewed by Alex Tigera.



NOA No 07-0831.11
 Expiration Date: 12/06/12
 Approval Date: 12/06/07
 Page 1 of 5

ROOFING SYSTEM APPROVAL:

Category: Roofing
Sub-Category: Metal, Panels (Non-Structural)
Material: Steel
Deck Type: Wood
Maximum Design Pressure: -174.25 psf. (See System Limitation #1)

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Berridge Curved Zee-Lock Panel	L= various W = 16-1/2" Thickness 24ga. (.0245")	TAS 125	G-90 galvanized panels coated with various approved coatings Fluoropon, Kynar, or Hylar
Berridge Zee-Rib Clip	L= continuous W = 1-3/8" High = 2" Thickness. 24ga (.0245")	TAS 125	G-90 galvanized clips coated with various approved coatings Fluoropon, Kynar, or Hylar

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Force Engineering & Testing, Inc.	49-0008T-07A-C	TAS-125	02/16/07
PRI Construction Materials	BMC-006-02-01	TAS-100	08/23/07
Valspar	Certified Laboratory Test Report	Physical Properties ASTM G 23	03/16/05
Valspar	Certified Laboratory Test Report	Physical Properties ASTM B 117	03/16/05



APPROVED ASSEMBLIES:

Deck Type: Wood, Non-insulated
Deck Description: 19/32" or greater plywood or wood plank
Slope Range: 2":12" or greater
Maximum Uplift See Table A Below

Deck Attachment: In accordance with applicable building code, but in no case shall it be less than # 8d x 2" galvanized ring shank roofing nails spaced 6" o.c at the roof perimeter and field. In reroofing, where the deck is less than 19/32" thick (Minimum 15/32") The above attachment method must be in addition to existing attachment.

Underlayment: Minimum underlayment shall be an ASTM D 226 Type II installed with a minimum 4" side-lap and 6" end-laps. Underlayment shall be fastened with corrosion resistant tin-caps and 1 1/4" annular ring-shank nails, spaced 6" o.c. at all laps and two staggered rows 12" o.c. in the field of the roll.
 Apply a layer of Elk Versashield over the underlayment with 4" overlaps and 6" endlaps. Elk Versashield is to be tacked in place and held in position by the panel fastening.

Valleys: Valley construction shall be in compliance Roofing Application Standard RAS 133 and with Berridge Manufacturing Company's current published installation instructions.

Fire Barrier Board: Any approved fire barrier having a current NOA. Or for class A or B fire rating, install minimum 1/4" thick Georgia Pacific "Dens Deck" (with current NOA) or minimum 4mm thick of Tritex, RockRoof (with current NOA) or 5/8" water resistant type X gypsum sheathing with treated core and facer.

Metal Panels and Accessories: Install the Zee Lock Panels including flashings penetrations, valleys, and accessories in compliance with Berridge Manufacturing Company's current, published installation instructions and in compliance with the minimum requirements detailed in Roofing Application Standard RAS 133.

1. Each roof panel is attached to the plywood substrate along its male rib using the approved clips (continuous, 24-ga). Each clip is attached to the substrate with one (1) corrosion resistant Buildex #12-11 Type A corrosion resistant screw of sufficient length to penetrate through the sheathing a minimum of 3/16" at a spacing listed in Table A below.
2. Attach adjacent panel by placing the female rib over the male rib and clip. Standing seams shall be mechanically seamed to a full 180° seam. (Double Lock)

TABLE A MAXIMUM DESIGN PRESSURE		
	Field	Perimeter and Corner ¹
Maximum Design Pressure	-101 psf	-174.25 psf
Maximum Fastener Spacing	16' o.c.	8" o.c.
1. Extrapolation shall not be allowed		



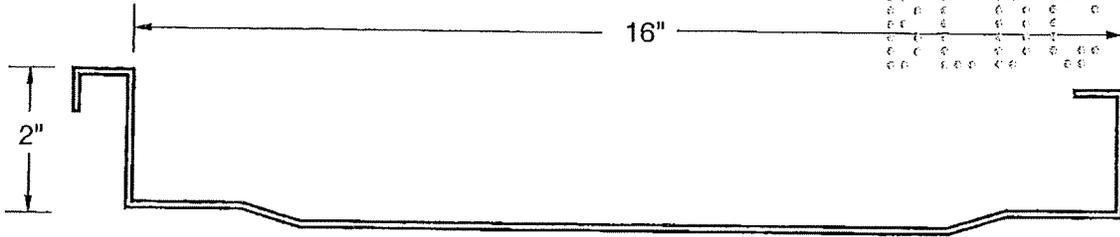
NOA No 07-0831.11
 Expiration Date: 12/06/12
 Approval Date: 12/06/07
 Page 3 of 5

SYSTEM LIMITATIONS

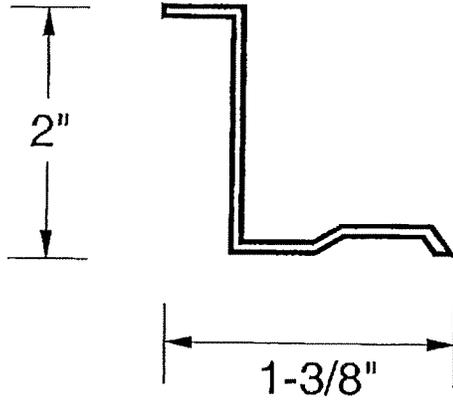
1. The maximum design pressure limitation listed herein shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, and corners).
2. Panel shall be roll formed in continuous lengths from eave to ridge. Maximum lengths shall be described in the Roofing Application Standard RAS 133.
3. All panels shall be permanently labeled with the manufacturer's name and/or logo, and the following statement: "Miami-Dade County Product Control Approved."
4. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.



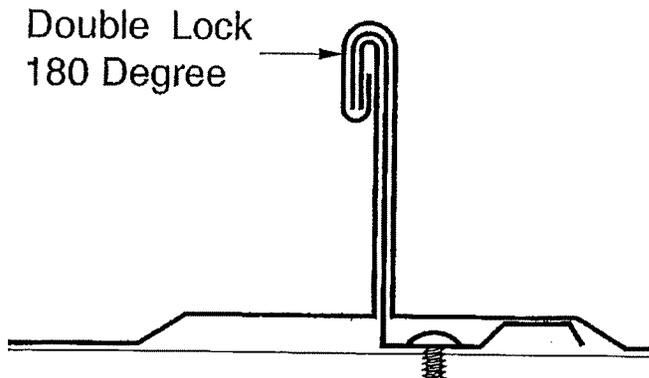
PROFILE DRAWING:



ZEE-LOCK PANELS



ZEE-RIB CLIP



END OF THIS ACCEPTANCE





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)

GAF Material Corporation
 1361 Alps Road
 Wayne, NJ 07470

SCOPE:

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

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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: GAF EverGuard® TPO Single Ply Roofing System over Lightweight Concrete Decks.

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

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

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

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

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

This NOA renews NOA No. 08-0107.04 and consists of pages 1 through 14.
 The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 08-1124.04
 Expiration Date: 04/16/14 ✓
 Approval Date: 02/25/09
 Page 1 of 14

Deck Type 4: Lightweight Concrete

Deck Description: Celcore Cellular Lightweight Concrete over minimum 2500 psi Structural Concrete.

System Type F(2): Membrane adhered to roof deck.

All General and System Limitations apply.

Concrete Deck: 2500 psi. structural concrete

Lightweight Concrete:

Minimum 300 psi. cellular lightweight concrete deck applied with a minimum 1/8" slurry coat followed by an option minimum 2" thick Apache Holey Board and a minimum 2" thick top coat.

Membrane: EverGuard® TPO 45, 60, 80 EverGuard® TPO FB 45, FB 60 or FB 80 Membrane attached as specified below.

Fastening : Membrane is adhered using EverGuard® H2O Bonding Adhesive 7885S01 roller applied to the underside of the membrane and to the substrate at a combined 0.83 gal/sq. (0.34 l/m2). One half of the adhesive was applied to the substrate and one half was applied to the bottom of the roof cover. The adhesive was allowed to dry and become tacky and the roof cover was then mated with the insulation and the top surface broomed and rolled with a weighted roller measuring approximately 18 in. (455 mm) in diameter and half filled with water.

Surfacing:
(Optional)

1. Advanced Green Technologies Photovoltaic Laminate solar energy collector auxiliary roof equipment installed in compliance with manufacturer's specifications and applicable Building Codes.
2. EverGuard® self-adhering Standing Seam Architectural Profiles installed in compliance with manufacturer's specifications and applicable Building Codes.
3. TOPCOAT® Surface Seal, TOPCOAT® FireShield® SB Solvent based Elastomeric Roofing Membrane applied at 1 to 1.5 gal./sq.

Maximum Design

Pressure: -277.5 psf (See General Limitation #9)



LIGHTWEIGHT INSULATING CONCRETE SYSTEM LIMITATIONS:

1. If mechanical attachment to the structural deck through the lightweight insulating concrete is proposed, a field withdrawal resistance testing shall be performed to determine equivalent or enhanced fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 103 and Roofing Application Standard RAS 117 and/or RAS 137, calculations shall be signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant.
2. For steel deck application where specific deck construction is not referenced: The deck shall be a minimum 22 gage attached with 5/8" puddle welds with weld washers at every flute with maximum deck spans of 5 ft. o.c.
3. For Systems where specific lightweight insulating concrete is referenced consult current lightweight insulating concrete NOA for specific deck construction and limitations. For systems where specific lightweight insulating concrete is not referenced, the minimum design mix shall be a minimum of 300 psi.

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each side lap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq.
Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117 and/or RAS 137. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant (When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). (When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)

END OF THIS ACCEPTANCE



NOA No.: 08-1124.04
Expiration Date: 04/16/14
Approval Date: 02/25/09
Page 14 of 14

Permits

File Edit Record Navigate Form Reports Format Tab Grid Help

Jump 1

Main Contractors METAL ROOFING REQUIREMENTS Routing Status Fee Summary Actions Routing History

Permit # BRF-2010-0090 Address 9705 E HIBISCUS ST
PALMETTO BAY FL 33157

Permit Type METAL ROOF

Group	Custom Field Name	Field Value
	RESIDENTIAL/COMMERCIAL	comm COMMERCIAL *
	CHARGE UP FRONT FEE?	<input type="checkbox"/>
	EXPRESS PERMIT?	<input type="checkbox"/>
	ESTIMATED COST VALUE	169000 *
	CHARGE ESTIMATED COST VALUE?	<input type="checkbox"/>
	# OF SQ FT	20400 *
	# OF SMALL PAGES	0 *
	# OF LARGE PAGES	0 *
	# OF RE-WORK	0 *
	CHARGE TECHNOLOGY FEE?	<input type="checkbox"/>
	CHARGE CONCURRENCY FEE?	<input type="checkbox"/>

Group Title Group Status

EdenLive (server) chewlett View 26 of 73

11:27 AM
4/24/2018

Permits

File Edit Record Navigate Form Reports Format Tab Grid Help

Main Contractors METAL ROOFING REQUIREMENTS Routing Status Fee Summary Actions Routing History

Permit # BRF-2010-0090 Address 9705 E HIBISCUS ST
PALMETTO BAY FL 33157

Permit type METAL ROOF

Contractors Name / Address

DEAN ROOFING & SOLAR SYSTEMS INC ... Address 1011 FAIRFIELD DR
WEST PALM BEACH FL 33407 Primary

Phone (561) 721-9921 Bus license # CCC1327865 Contractor is applicant

License type License # License status

Contact DAVID J VAN BEEK Phone () - Work type

Contact email Fax () -

Mail hard copy Send email Send fax

Contractors business name EdenLive (server) shewlett View 26 of 73

11:27 AM
4/24/2018