DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

11805 SW 26 Street Miami, FL 33175-2474
(786) 315-2000

BUILDING PERMIT AND INSPECTION RECORD

Municipal #: **2026061414**
Process Number: M2026020831
Issue Date:

Job Location

Folio: 3220130190011
Job Site Address: 15569 MIAMI LAKEWAY N
Legal: MASTER ASSOC PROP FOR CELEBRATIONPOINT CONDO 1 THRU 4

Project Information

Application Type:
Proposed Use: 5 UNITS OR MORE - RESIDENTIAL
Sq. Ft.: 9933 / Units: 147 / Floors: 3
Permit Type: MUNICIPAL BLDG / Permit Category: 0107 MUNICIPAL TILE ROOF

Owner & Contractor Information

Property Owner: CELEBRATION POINT MASTER
Contractor:
Qualifier:

Notes

Rough, electrical, plumbing, and mechanical inspections must be made and approved before requesting a framing inspection.

Inspections can be requested online at www.miamidade.gov/building under the Inspection tab or by calling (786) 315-2100. Before scheduling the inspection, please have your ten-digit permit number and three-digit inspection type ready. The inspection type can be found on the permit card next to the required inspection. Inspectors can be reached at the office from 7 AM to 8 AM or via our website.

To schedule Fire inspections, call Fire Dept. at 786-331-4798

Warning to Owners

Your failure to record a Notice of Commencement may result in your paying twice for improvements to your property. If you intend to obtain financing, consult with your lender or an attorney before recording your Notice of Commencement.

You have purchased a building permit only. Separate permits are required for roofing, plumbing, electrical, mechanical, window, and storm shutter work.

Compliance with the Florida Accessibility Code will be verified at the time of rough and final inspections where applicable.

Building permits shall expire 180 days from the date of issuance or the date of last approved inspection.

In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management district, state agencies, or federal agencies.

Back to Main Menu

BLDG Home Page BLDG Main Menu BLDG Permit Menu BLDG Plans Processing Menu

Home About Phone Directory Privacy Disclaimer

E-mail your comments, questions and suggestions to Webmaster

This page was last edited on: February 23, 2004

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Florida Department of Environmental Protection
Division of Air Resource Management
NOTICE OF RENOVATION OR DEMOLITION FORM

M2026020831

1. Applicability.
Is this project for a residential dwelling exempt from notification requirements (see instructions)? ☐ Yes ■ No
If yes, notification is not required. A "courtesy" notification may be submitted with no fee.

2. Threshold.
Does this project involve more than the "threshold amount of RACM" (see instructions)? ■ Yes ☐ No
If no, and this is a renovation project, notification is not required. A "courtesy" notification may be submitted with no fee.

3. Type of Notice (check one).: ■ **Original** ☐ **Revised** ☐ **Cancellation** ☐ **Courtesy**
If Revised or Cancellation, enter the previous Notification Number: _____

4. Type of Project (check one).: ☐ **Demolition** ■ **Renovation**
If Demolition: Was it ordered by state or local government due to danger of imminent collapse? ☐ Yes ■ No
If Renovation: Is it an emergency renovation operation? ☐ Yes ■ No
Is it a planned (annual) renovation operation? ☐ Yes ■ No

5. Facility Location.
Facility Name: Celebration Point Master Association, Inc Site Name (see instructions): _____
Address Line 1: 15569 Miami Lakeway N Address Line 2: _____
City: Miami Lakes State: FL Zip Code: 33014 County: USA

6. Facility Owner.
Facility Owner Name: Celebration Point Master Association, Inc E-mail (optional): celebration@npmassociation.com
Mailing Address Line 1: 15517 Miami Lakeway N Address Line 2: _____
City: Miami Lakes State: FL Zip Code: 33014 Phone: 305-825-9413

7. Facility Details.
Asbestos Consultant Inspecting Site: _____ Asbestos Consultant License Number: _____
Building Size (Sq. Ft.): 9933 Number of Floors: 3 Building Age (in Years): 1989
Survey Attached? ☐ Yes ■ No

Present Use:	Prior Use:
☐ Institutional, Commercial, Industrial	☐ Institutional, Commercial, Industrial
☐ Residential (exempt; see instructions)	☐ Residential (exempt; see instructions)
■ Residential (non-exempt; see instructions)	☐ Residential (non-exempt; see instructions)
☐ School/College/University	☐ School/College/University
☐ Other _____	☐ Other _____

8. Contractor Contact Information. This is the contractor responsible for this project.
Company Name: Roofing and Construction Corp Licensed Asbestos Contractor? ☐ Yes ■ No
Individual Contact: Ezequiel Romero E-mail (optional): roofingra@gmail.com
Address Line 1: 1111 SW 21st Ave Address Line 2: B18
City: Ft Lauderdale State: FL Zip Code: 33312 Phone: 954-638-4580
Contractor License Number: CCC 1328459 ☐ Exempt from Asbestos Licensure under 469.002(2), (3) or (4), F.S.

9. Scheduled Dates. 08/10/2026 09/10/2026
Asbestos Removal (If RACM will be removed): Start: ~~8/3/26~~ Finish: ~~8/7/26~~
Demolition or Renovation: Start: ~~8/3/26~~ Finish: ~~8/7/26~~

10. Project Descriptions.
Describe affected facility components Re-Roofing Tile
Describe the demolition or renovation work to be performed: Remove existing tile roofing system and install new concrete tile roofing system.

Demolition or renovation methods and techniques to be used:
■ Strip and Removal ☐ Bulldozer ☐ Wrecking Ball ☐ Implode ☐ Burn Down ☐ other (specify) _____
Work practices and engineering controls to be used (Note: Dry Method requires DEP approval prior to asbestos removal)
■ Wet Method ☐ Dry Method ☐ Glove Bag ☐ other (specify) _____

Miami Dade County Department of Regulatory and Economic Resources - Job Copy
3226020831 - 7/29/2026 8:18:39 AM
Asbestos Demo Form 15569.pdf
Examiner Date Time Stamp Trade Stamp Name
CASTRO, ORESTES 7/27/2026 9:46:55 AM DASB Approved
CASTRO, ORESTES 7/27/2026 9:46:58 AM DASB Approved as Noted

Florida Department of Environmental Protection
Division of Air Resource Management
NOTICE OF RENOVATION OR DEMOLITION FORM

11.RACM or ACM Descriptions.

Describe the procedure, including analytical methods, employed to detect the presence of RACM and Category I and II nonfriable ACM. Assume positive for asbestos

Enter the applicable amount(s)	RACM to be removed	Nonfriable CAT I ACM to be Removed	Nonfriable CAT II ACM to be Removed
Linear feet of pipe wrap:			
Square feet of surfacing material*:			
Square feet of cementitious material:	9933		
Square feet resilient floor covering:			
Square feet asphalt roofing:			
Square feet of other materials*:	9933		
Cubic feet off facility components*:			

*Identify and describe surfacing material and other materials, as applicable. Roofing Modified Paper

Describe procedure to be followed if unexpected RACM is found or Category II nonfriable ACM becomes crumbled, pulverized, or reduced to powder. Stop work, Notify DERM at 305-372-6925

12. Waste Transporter.

Name: Roofing and Construction Corp
Address: 1111 SW 21st Ave
City: Ft Lauderdale State: F Zip Code: 33312
E-mail (optional): roofingra@gmail.com
Phone: 954-638-4580

13. Waste Disposal Site.

Name: Medley Landfill
Address: 9350 NW 89th Ave
City: Medley State: F Zip Code: 33032

14. Notification Fee and Payment.

Is this project located at a county owned or operated facility? ☐ Yes ■ No

Fee Type (Check One):

☐ Project is not in Broward, Hillsborough, Miami-Dade, Orange, Palm Beach, Pinellas, or Sarasota; or is a county-owned facility in any county:
- ☐ No fee: School, courtesy, or previously paid,
- ☐ $200 fee enclosed, or
- ☐ $200 Invoice.
- ☐ $100 ONLY if fee is paid at the time of notification submittal through the ESSA Business Portal.

■ Project is in Broward, Hillsborough, Miami-Dade, Orange, Palm Beach, Pinellas, or Sarasota; and is not a county-owned facility. You will be invoiced by the local program office according to their local fee schedule.

Invoice to be sent to:
- ☐ the Facility Owner listed on this form;
- ■ the Contractor listed on this form; or
- ☐ the following 3rd Party:

Name:
Address Line 1:
Address Line 2:
City: State: Zip Code:
E-mail (optional):
Phone:

15. Certification.

I certify that no RACM shall be stripped, removed, or otherwise handled or disturbed at a regulated facility unless at least one on-site representative, trained in the provisions of 40 CFR Part 61, Subpart M, is present, and evidence that the required training has been completed is posted and made available for inspection at the demolition or renovation site.

Ezequiel Romero
Print Name of Owner/Operator

Ezequiel Romero Digitally signed by Ezequiel Romero Date: 2026.07.22 06:58:01 -04'00' 7/22/2026
Signature of Owner/Operator Date

DEP USE ONLY Postmark/Date Received ID#

Miami Dade County Department of Regulatory and Economic Resources - Job Copy
3226020831 - 7/29/2026 8:18:39 AM
Asbestos Demo Form 15569.pdf
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CASTRO, ORESTES 7/27/2026 9:46:55 AM DASB Approved
CASTRO, ORESTES 7/27/2026 9:46:58 AM DASB Approved as Noted

MIAMI-DADE COUNTY

ePayment

Thank You For Your Payment!

Order Date	**7/23/2026**
Order Time	**11:16:24 AM**
Transaction Number	**230726C52-45C6F70B-0F75-430E-B27E-98F3D25FCB12**
Authorization Number	**249896**
Payment Option	**Credit Card**
Name	**Anne Rocco**
***Payment Item(s)*(4)**	**$688.00**
M2026020831	**$172.00**
Job Address	**UPFRONT FEES**
M2026020829	**$172.00**
Job Address	**UPFRONT FEES**
M2026020823	**$172.00**
Job Address	**UPFRONT FEES**
M2026020845	**$172.00**
Job Address	**UPFRONT FEES**
TOTAL	**$688.00**

Thursday, July 23, 2026 at 11:16:33 AM

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Miami Dade County Department of Regulatory and Economic Resources - Job Copy
3226020831 - 7/29/2026 8:18:39 AM
Asbestos Payment 15529 15575 15579 15569.pdf

MIAMI-DADE COUNTY

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

http://www.miamidade.gov/building/home.asp

7/27/2026 7:12:19 AM

Contact Name:	Ezequiel Romero
Contact Email:	ROOFINGRA@GMAIL.COM
Tracking Number:	3226020831
Reviews to rework:	DASB
Comments:	

Miami-Dade Department of Regulatory and Economic Resources

CONTACT INFORMATION FOR PERMIT APPLICATION

FIRST NAME *(print clearly)*	LAST NAME *(print clearly)*
Ezequiel	Romero
MOBILE PHONE	**OFFICE/HOME PHONE**
954-638-4580	

EMAIL *(required so you can be notified on the status of your plans)*
roofingra@gmail.com

COMMENTS (*If you are submitting a municipal plan, please provide the municipal process number(s) and ensure the municipal application is in the office set of plans.)*

Re-Work uploaded receipt for DERM payment & Resgined by electronic signature.
Thank you.

PLANS *(check all that apply)*

Please indicate if plans qualify for the following expedited plan reviews:

☐ GOV'T PROJECT/DEPT_____ ☐ GREEN BLDG* *(new construction only)* ☐ PACE PROJECT*
☐ AFFORDABLE/WORKFORCE HOUSING* ☐ ECONOMIC SIGNIFICANCE* ☐ CONCIERGE

(*Pursuant to Ordinance 99-140; Ordinance 05-115; and Ordinance 08-51. Project may have additional requirements.)

REQUESTED PLAN REVIEWS *(check all that apply for rework only)*

☐ ALL	☐ BLDG/HCAP	☐ ELEC	☐ ENRG	☐ FIRE	☑ ROOF
☐ LANDSCAPING	☐ MECH	☐ PLUM	☐ PWKS	☐ PWCC	☐ SIGN
☐ STRU	☐ ZNPR	☐ WASD	☐ PWIF	☐ LPGX	☐ SHOP DRAWING
☐ DERM CORE	☐ DERM AIR	☐ DERM AIRPORT	☑ DERM ASBESTOS	☐ DERM COASTAL	☐ DERM FLOOD
☐ DERM GREASE	☐ DERM INDUSTRIAL	☐ DERM PAVING & DRAINAGE	☐ DERM POLLUTION	☐ DERM PRE-TREATMENT	☐ DERM SOLID WASTE
☐ DERM TANKS	☐ DERM TREES	☐ DERM WATER TREATMENT	☐ DERM WETLANDS	☐ PERMIT BY AFFIDAVIT CHECK	☐ SHORT TERM EVENT AFFIDAVIT CHECK
☐ DOH/HRS					

OPTIONAL PLAN REVIEWS *(check all that apply)*

☐ BLDG ☐ ELEC ☐ MECH ☐ PLUM ☐ STRU

OPR DERM **INITIAL** REVIEWS *(check all that apply)*

☐ DERM CORE ☐ DERM SPECIALTY *(You will be notified after core review is complete for additional fees)*

OPR DERM **REWORK** *(OPR for specialty only available at PIC)*

☐ TREE	☐ GREASE	☐ ASBESTOS	☐ COASTAL	☐ AIR	☐ PAVING & DRAINAGE
☐ TANKS	☐ INDUSTRIAL	☐ WETLAND	☐ PRE-TREATMENT	☐ CORE	☐ FLOOD

FOR OFFICE USE ONLY

To be completed by Permit and Occupancy Representative or Plans Processing Specialist

APPLICATION DATE	CLERK NAME	ARRIVAL TIME
PROCESS NUMBER	**PROCESS NUMBER**	**PROCESS NUMBER**

☐ RE-ISSUE ☐ PLAN REVISION ☐ REWORK ☐ SHOP DRAWING

MIAMI-DADE COUNTY

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

http://www.miamidade.gov/building/home.asp

7/29/2026 8:18:39 AM

Tracking #	Process #	Permit #
3226020831	M2026020831	2026061414

THIS COPY OF PLANS MUST BE AVAILABLE ON BUILDING SITE OR AN INSPECTION WILL NOT BE MADE.				
Process #	**Review**	**Disposition**	**Reviewer**	**Date**
M2026020831	ASBESTOS	A	CASTRO, ORESTES	7/27/2026
M2026020831	RER ENVIRONMENTAL CORE	N	CPP APPLICATION ID	7/23/2026
M2026020831	UPFRONT FEES	A	WEB APPLICATION ID	7/23/2026

Disclaimer.

Subject to compliance with all Federal, State, and County Laws, rules and regulations. Miami-Dade County assumes no responsibility for accuracy of or results of these plans.

NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to the property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies or federal agencies.

Stamp Name	Trade	Disposition	Stamp Description
Approved	DASB	A	Approved
Approved as Noted	DASB	A	Approved as Noted
VOID	DASB	V	VOID

Florida Department of Environmental Protection
Division of Air Resource Management
NOTICE OF RENOVATION OR DEMOLITION FORM

M2026020831

1. Applicability.
Is this project for a residential dwelling exempt from notification requirements (see instructions)? ☐ Yes ■ No
If yes, notification is not required. A "courtesy" notification may be submitted with no fee.

2. Threshold.
Does this project involve more than the "threshold amount of RACM" (see instructions)? ■ Yes ☐ No
If no, and this is a renovation project, notification is not required. A "courtesy" notification may be submitted with no fee.

3. Type of Notice (check one).: ■ **Original** ☐ **Revised** ☐ **Cancellation** ☐ **Courtesy**
If Revised or Cancellation, enter the previous Notification Number: _____

4. Type of Project (check one).: ☐ **Demolition** ■ **Renovation**
If Demolition: Was it ordered by state or local government due to danger of imminent collapse? ☐ Yes ■ No
If Renovation: Is it an emergency renovation operation? ☐ Yes ■ No
Is it a planned (annual) renovation operation? ☐ Yes ■ No

5. Facility Location.
Facility Name: Celebration Point Master Association, Inc Site Name (see instructions): _____
Address Line 1: 15569 Miami Lakeway N Address Line 2: _____
City: Miami Lakes State: FL Zip Code: 33014 County: USA

6. Facility Owner.
Facility Owner Name: Celebration Point Master Association, Inc E-mail (optional): celebration@npmassociation.com
Mailing Address Line 1: 15517 Miami Lakeway N Address Line 2: _____
City: Miami Lakes State: FL Zip Code: 33014 Phone: 305-825-9413

7. Facility Details.
Asbestos Consultant Inspecting Site: _____ Asbestos Consultant License Number: _____
Building Size (Sq. Ft.): 9933 Number of Floors: 3 Building Age (in Years): 1989
Survey Attached? ☐ Yes ■ No

Present Use:
☐ Institutional, Commercial, Industrial
☐ Residential (exempt; see instructions)
■ Residential (non-exempt; see instructions)
☐ School/College/University
☐ Other _____

Prior Use:
☐ Institutional, Commercial, Industrial
☐ Residential (exempt; see instructions)
☐ Residential (non-exempt; see instructions)
☐ School/College/University
☐ Other _____

8. Contractor Contact Information. This is the contractor responsible for this project.
Company Name: Roofing and Construction Corp Licensed Asbestos Contractor? ☐ Yes ■ No
Individual Contact: Ezequiel Romero E-mail (optional): roofingra@gmail.com
Address Line 1: 1111 SW 21st Ave Address Line 2: B18
City: Ft Lauderdale State: FL Zip Code: 33312 Phone: 954-638-4580
Contractor License Number: CCC 1328459 ☐ Exempt from Asbestos Licensure under 469.002(2), (3) or (4), F.S.

9. Scheduled Dates. Asbestos Removal (If RACM will be removed): Start: 8/3/26 Finish: 8/7/26
Demolition or Renovation: Start: 8/3/26 Finish: 8/7/26

10. Project Descriptions.
Describe affected facility components Re-Roofing Tile
Describe the demolition or renovation work to be performed: Remove existing tile roofing system and install new concrete tile roofing system.

Demolition or renovation methods and techniques to be used:
■ Strip and Removal ☐ Bulldozer ☐ Wrecking Ball ☐ Implode ☐ Burn Down ☐ other (specify) _____
Work practices and engineering controls to be used (Note: Dry Method requires DEP approval prior to asbestos removal)
■ Wet Method ☐ Dry Method ☐ Glove Bag ☐ other (specify) _____

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3226020831 - 7/29/2026 8:18:39 AM
M2026020831 Roofing Notification.pdf
Examiner Date Time Stamp Trade Stamp Name
CASTRO, ORESTES 7/27/2026 9:47:02 AM DASB VOID

Florida Department of Environmental Protection
Division of Air Resource Management
NOTICE OF RENOVATION OR DEMOLITION FORM

11.RACM or ACM Descriptions.

Describe the procedure, including analytical methods, employed to detect the presence of RACM and Category I and II nonfriable ACM. Assume positive for asbestos

Enter the applicable amount(s)	RACM to be removed	Nonfriable CAT I ACM to be Removed	Nonfriable CAT II ACM to be Removed
Linear feet of pipe wrap:			
Square feet of surfacing material*:			
Square feet of cementitious material:	9933		
Square feet resilient floor covering:			
Square feet asphalt roofing:			
Square feet of other materials*:	9933		
Cubic feet off facility components*:			

*Identify and describe surfacing material and other materials, as applicable. Roofing Modified Paper

Describe procedure to be followed if unexpected RACM is found or Category II nonfriable ACM becomes crumbled, pulverized, or reduced to powder. Stop work, Notify DERM at 305-372-6925

12. Waste Transporter.

Name: Roofing and Construction Corp
Address: 1111 SW 21st Ave
City: Ft Lauderdale State: FL Zip Code: 33312
E-mail (optional): roofingra@gmail.com
Phone: 954-638-4580

13. Waste Disposal Site.

Name: Medley Landfill
Address: 9350 NW 89th Ave
City: Medley State: FL Zip Code: 33032

14. Notification Fee and Payment.

Is this project located at a county owned or operated facility? ☐ Yes ■ No

Fee Type (Check One):

☐ Project is not in Broward, Hillsborough, Miami-Dade, Orange, Palm Beach, Pinellas, or Sarasota; or is a county-owned facility in any county:
- ☐ No fee: School, courtesy, or previously paid,
- ☐ $200 fee enclosed, or
- ☐ $200 Invoice.
- ☐ $100 ONLY if fee is paid at the time of notification submittal through the ESSA Business Portal.

■ Project is in Broward, Hillsborough, Miami-Dade, Orange, Palm Beach, Pinellas, or Sarasota; and is not a county-owned facility. You will be invoiced by the local program office according to their local fee schedule.

Invoice to be sent to:
- ☐ the Facility Owner listed on this form;
- ■ the Contractor listed on this form; or
- ☐ the following 3rd Party:

Name:
Address Line 1:
Address Line 2:
City: State: Zip Code:
E-mail (optional):
Phone:

15. Certification.

I certify that no RACM shall be stripped, removed, or otherwise handled or disturbed at a regulated facility unless at least one on-site representative, trained in the provisions of 40 CFR Part 61, Subpart M, is present, and evidence that the required training has been completed is posted and made available for inspection at the demolition or renovation site.

Ezequiel Romero
Print Name of Owner/Operator

Signature of Owner/Operator

7/22/2026
Date

DEP USE ONLY	Postmark/Date Received	ID#

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NEMO|etc.
Certificate of Authorization #32455
353 Christian Street, Unit #13
Oxford, CT 06478
(203) 262-9245

ENGINEER TEST CONSULT

P.E. EVALUATION REPORT (PEER)

Polyglass USA, Inc.
1111 West Newport Center Drive
Deerfield Beach, FL 33442
(954) 233-1330

PEER-PLYG-002.B.R19
FL5259-R50 (HVHZ)
Date of Issuance: 12/21/2020
Revision 19: 12/11/2025

SCOPE:
This P.E. Evaluation Report (henceforth 'PEER') is issued under **Rule 61G20-3** and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for compliance with the **8th Edition (2023) Florida Building Code, High Velocity Hurricane Zone** sections noted herein.

DESCRIPTION: Polyglass Roof Underlayments (HVHZ)

LABELING: Labeling shall be in accordance with the requirements the Accredited Quality Assurance Agency noted herein and FBC 1518.2.

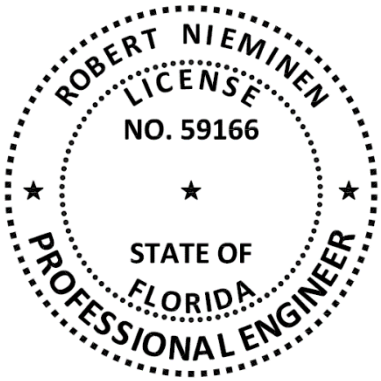
CONTINUED COMPLIANCE: This PEER is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our PEERs by the named applicant constitutes agreement to notify NEMO ETC, LLC of any changes to the product(s), the Quality Assurance or the production facility location(s). NEMO ETC, LLC requires a complete review of its PEER relative to updated Code requirements with each Code Cycle.

ADVERTISEMENT: "NEMO P.E. Evaluated" may be displayed in advertising literature. If any portion of the PEER is displayed, then it shall be in its entirety.

INSPECTION: Upon request, a copy of this entire PEER 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 PEER consists of pages 1 through 12.

Prepared by:



CERTIFICATION OF INDEPENDENCE:
1. NEMO ETC, LLC does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
2. NEMO ETC, LLC is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
3. Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the PEERs are being issued.
4. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.
5. This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this PEER, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

©2019 NEMO ETC, LLC

2023 FBC HVHZ

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3226020831 - 7/29/2026 8:18:39 AM
M2026020831 Roofing Notification.pdf
Examiner Date Time Stamp Trade Stamp Name
CASTRO, ORESTES 7/27/2026 9:47:02 AM DASB VOID

ROOFING COMPONENT EVALUATION:

1. SCOPE:

Product Category: Roofing
Sub-Category: Underlayment
Product Approval Method: Method 1, Option D – Codified Material, Evaluation by Engineer
Compliance Statement: **Roof Underlayments**, as produced by **Polyglass USA, Inc.**, have demonstrated compliance with the following sections of the **8th Edition (2023) Florida Building Code, High Velocity Hurricane Zone** through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations of Use set forth herein.

2. STANDARDS:

SECTION	PROPERTY	STANDARD
1515.2.4	Impact Resistance	ASTM D3746
TAS 110	Material standard	ASTM D226, D2626, D4601
TAS 110	Material standard	ASTM D1970
TAS 110	Accelerated Weathering	ASTM D4798
TAS 110	Material standard	ASTM D6163, D6164, D6222, D6509
TAS 110	Material standard	TAS 103

3. REFERENCES:

ENTITY	EXAMINATION	REFERENCE	DATE
ERD (TST 6049)	TAS 103 / TA-LTA	P46520.10.14	10/03/14
ERD (TST 6049)	TAS 103	P44360.10.14-R1	10/07/14
ERD (TST 6049)	TAS 103	PLYG-SC7550.03.15	03/24/15
ERD (TST 6049)	ASTM D1623, TAS 103	PLYG-SC10130.06.16-2	06/27/16
ERD (TST 6049)	ASTM D1970, D4798	PLYG-SC10130.06.16-1	06/27/16
ERD (TST 6049)	TAS 103	PLYG-SC10130.06.16-3	06/27/16
ERD (TST 6049)	ASTM D1970, D4798	PLYG-SC8080.07.16	07/29/16
ERD (TST 6049)	TAS 103 (tile slippage)	PLYG-SC13040.12.16	12/27/16
ERD (TST 6049)	TAS 103 (tile slippage)	PLYG-SC12115.08.17	08/08/17
ERD (TST 6049)	TAS 103	PLYG-SC13035.08.17	10/31/17
NEMO (TST 6049)	ASTM D1970	4-PLYG-18-004.03.18	03/29/18
NEMO (TST 6049)	ASTM D1623, TAS 103	4S-ICP-18-001.07.18-R1	07/23/18
NEMO (TST 6049)	ASTM D6163	4S-PLYG-18-002.01.19-A	01/24/19
NEMO (TST 6049)	ASTM D6222	4S-PLYG-18-002.05.19-C	05/20/19
NEMO (TST6049)	TAS 103	4S-PLYG-18-004.10.19.G	10/08/19
NEMO (TST 6049)	TAS 103	4S-PLYG-18-004.10.19-G	10/08/19
NEMO (TST 6049)	TAS 103	4S-PLYG-18-004.10.19-I	10/08/19
NEMO (TST 6049)	TAS 103	4S-PLYG-18-004.10.19-L	10/09/19
NEMO (TST 6049)	TAS 103	4S-PLYG-18-004.12.19-F	12/18/19
NEMO (TST 6049)	TAS 103	4j-PLYG-19-SSUDL-02.A	01/02/20
NEMO (TST 6049)	ASTM D6222	4S-PLYG-18-002.12.19-K-R1	01/07/20
NEMO (TST 6049)	ASTM D1970, D4798	4S-PLYG-18-004.01.20.H	01/14/20
NEMO (TST 6049)	ASTM D1970, D4798	4S-PLYG-18-004.01.20.K	01/14/20
NEMO (TST 6049)	ASTM D6164	4S-PLYG-18-004.01.20.B	01/16/20
NEMO (TST 6049)	TAS 103 (tile slippage)	4S-PLYG-18-004.01.20.A	01/16/20
NEMO (TST 6049)	ASTM D1623, TAS 103	4p-DOW-19-SSLAP-01.A-R2	02/10/20
NEMO (TST 6049)	TAS 103	PLYG-SC15855.05.20.A	05/29/20
NEMO (TST 6049)	ASTM D6222	4q-PLYG-19-SSMBB-05.A	07/23/20
NEMO (TST 6049)	ASTM D4798, D1623	4j-PLYG-19-SSUDL-05.A	09/10/20
NEMO (TST 6049)	ASTM D1970	4j-PLYG-20-SSUDL-05.A	09/30/20
NEMO (TST 6049)	TAS 103	4j-PLYG-20-SSUDL-05.C	09/30/20
NEMO (TST 6049)	TAS 103	4j-PLYG-20-SSUDL-01.B	10/21/20
NEMO (TST 6049)	TAS 103	4j-PLYG-20-SSUDL-11.A	10/21/20
NEMO (TST 6049)	ASTM D1970, D4798	4S-PLYG-18-004.12.19.D	10/27/20
NEMO (TST 6049)	TAS 103	4j-PLYG-19-SSUDL-01.A	11/18/20
NEMO (TST 6049)	ASTM D1623, TAS 103	4p-ICP-20-SSLAP-01.A	12/15/20
NEMO (TST 6049)	ASTM D1623, TAS 103	4p-ICP-20-SSLAP-03.A-R1	03/04/21
NEMO (TST 6049)	ASTM D4798, D1623	4j-PLYG-20-SSUDL-13.A	03/15/21
NEMO (TST 6049)	ASTM D1623, TAS 103	4j-PLYG-20-SSUDL-07.A	10/29/21
NEMO (TST 6049)	ASTM D1623, TAS 103	4j-PLYG-20-SSUDL-09.A	10/29/21
NEMO (TST6049)	Criticality	4j-PLYG-23-SSMBB-05.B	08/31/23
NEMO (TST6049)	ASTM D1623, TAS 103	4j-PLYG-23-SSMBB-04.A	12/12/23
NEMO (TST6049)	ASTM D1623, TAS 103	4j-PLYG-23-SSMBB-03.A	02/08/24
NEMO (TST6049)	ASTM D6164	4q-PLYG-22-SSMBB-01.E	06/17/24
NEMO (TST6049)	ASTM D1970, D4798	4j-PLYG-SSUDL-003.A	08/08/24
NEMO (TST6049)	ASTM D1970	4j-PLYG-SSUDL-004.A	01/24/25
NEMO (TST6049)	ASTM D1970	4j-PLYG-SSUDL-008.A	04/07/25
NEMO (TST6049)	ASTM D1970	4j-PLYG-SSUDL-013	08/20/25
NEMO (TST6049)	TAS 103	4j-PLYG-SSUDL-007	10/20/25
NEMO (TST6049)	TAS 103 / TA-LTA	4j-PLYG-SSUDL-011	10/20/25
PRI (TST5878)	ASTM D4601	MSA-039-02-03	09/27/17
PRI (TST5878)	ASTM D1623, TAS 103	DAPF-002-01	03/08/18
ERD (TST 6049)	Wind Uplift	11757.04.01-1-R1	04/25/01
ERD (TST 6049)	Wind Uplift	11757.08.01-1	08/13/01
ERD (TST 6049)	Wind Uplift	11776.06.02	01/16/03
ERD (TST 6049)	Wind Uplift	P1740.01.07	01/04/07
ERD (TST 6049)	Wind Uplift	P1738.02.07-R2	02/05/07
ERD (TST 6049)	Wind Uplift	P9260.03.08	03/21/08
ERD (TST 6049)	Wind Uplift	P30540.11.09-R1	11/23/09
ERD (TST 6049)	TAS 117(B), TAS 114(C)	P11030.11.09-2	11/30/09
ERD (TST 6049)	Wind Uplift	P41630.08.13	08/06/13
ERD (TST 6049)	Wind Uplift	P11751.05.03-R1	11/26/13
ERD (TST 6049)	Wind Uplift	P11781.11.03-R1	11/26/13
ERD (TST 6049)	Wind Uplift	PLYG-SC8905.05.16-1	05/17/16
ERD (TST 6049)	UL1897	PLYG-SC12025.10.16	10/12/16
FM (TST 1867)	Wind Uplift	FM 3004091	01/12/00
FM (TST1867)	FM 4470/4474	PR454230 (DATA)	01/26/22
NEMO (TST 6049)	Wind Uplift	4L-PLYG-18-003.01.19	01/11/19
NEMO (TST6049)	UL1897	4a-PLYG-23-LSWUS-05.A	09/01/23
Polyglass USA	Materials Affidavit	Polystick Compound	08/18/11
Polyglass USA	Materials Affidavit	Polystick Compound	01/13/21
Polyglass USA	SOPE	TFRM-0045	01/02/24
PRI (TST5878)	UL1897	708T0058-1	01/13/21
PRI (TST5878)	UL1897	708T0058-6	02/17/21
PRI (TST5878)	UL1897	708T0058-7	02/25/21
PRI (TST5878)	UL1897	708T0193.4	06/13/23
PRI (TST5878)	UL1897	708T0193.1	06/15/23
PRI (TST5878)	UL1897	708T0193.2	06/15/23
PRI (TST5878)	UL1897	708T0193.3	06/15/23
PRI (TST5878)	UL1897	708T0167.1	06/20/23

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Entity	Examination	Reference	Date
NEMO (TST 6049)	ASTM D1970, D4798	4j-PLYG-21-SSUDL-03.A	10/29/21
NEMO (TST 6049)	ASTM D1970	4j-PLYG-21-SSUDL-04.B	01/17/22
NEMO (TST6049)	ASTM D1970	4j-PLYG-21-SSUDL-09.A	02/14/22
NEMO (TST 6049)	ASTM D1970, D4798	4j-PLYG-21-SSUDL-03.A	04/21/22
NEMO (TST 6049)	TAS 103	4j-PLYG-21-SSUDL-04.A.R1	07/05/22
NEMO (TST 6049)	ASTM D1970	4j-PLYG-22-SSUDL-01.A	09/08/22
NEMO (TST 6049)	ASTM D1970	4j-PLYG-22-SSUDL-02.A	09/08/22
NEMO (TST 6049)	ASTM D4798, D3746	4j-PLYG-22-SSUDL-06.A	06/14/23
NEMO (TST 6049)	TAS 103	4j-PLYG-22-SSUDL-01.B	03/31/23
NEMO (TST6049)	ASTM D6509	4q-PLYG-22-SSMBB-01.A	06/14/23
NEMO (TST6049)	ASTM D6164	4q-PLYG-22-SSMBB-01.D	07/28/23
NEMO (TST6049)	ASTM D226, D2626	4j-PLYG-23-SSMBB-05.A	08/31/23

Entity	Examination	Reference	Date
PRI (TST5878)	UL1897	708T0167.2	06/20/23
PRI (TST5878)	UL1897	708T0168.1	06/20/23
PRI (TST5878)	UL1897	708T0227.1	11/06/23
PRI (TST5878)	UL1897	708T0234.3	01/18/24
PRI (TST5878)	UL1897	708T0235.3	01/19/24
PRI (TST5878)	UL1897	708T0227.2-1	02/12/24
PRI (TST5878)	UL1897	708T0247.4	04/05/24
NEMO	Traceability	SPE	08/14/25
UL (QUA9625)	Traceability	ML File R14571	05/13/14
UL (QUA9625)	Quality Control	Service Confirmation	04/30/25
UL (QUA9625)	Quality Control	Florida BCIS	Current

4. Product Description:

Table 1: Evaluated Underlayments

Product	Material Standard	Plant(s)	Description
Elastobase V	ASTM D6163	FL	Fiberglass-reinforced, SBS modified bitumen base sheet
Elastobase P	ASTM D6164	FL	Polyester-reinforced, SBS modified bitumen base sheet
Elastoflex S6 G	ASTM D6164 TAS 103 (partial)	FL, PA	Polyester-reinforced, SBS modified bitumen cap sheet
Elastoflex S6 G FR	ASTM D6164 TAS 103 (partial)	FL	Polyester-reinforced, SBS modified bitumen cap sheet
Elastoflex SA V Flashing Strips	ASTM D1970	NV	Sef-adhering, fiberglass-reinforced, SBS modified bitumen flashing strips
HydraGuard Omni Pro	ASTM D1970 FRSA/TRI, TAS 103	FL, NV, PA, TX, Ponte di Piave TV (Italy)	Nominal 60-mil thick rubberized asphalt waterproofing membrane, glass fiber reinforced, surfaced with polyolefinic film surface
HydraGuard Shield Pro	ASTM D1970 FRSA/TRI, TAS 103	FL, PA, TX	Nominal 60-mil thick rubberized asphalt waterproofing membrane with a 190 g/m^2 polyester fabric surface
PolyAnchor HV	ASTM D226, D2626	Serbia	Nominal 55-mil thick, modified bitumen, glass-mat reinforced nailable anchor sheet and roof underlayment
Polyflex G	ASTM D6222 TAS 103 (partial)	FL	Polyester-reinforced, APP modified bitumen cap sheet
Polyflex G FR	ASTM D6222 TAS 103 (partial)	FL	Polyester-reinforced, APP modified bitumen cap sheet
Polyflex SA P	ASTM D6222 TAS 103 (partial)	FL, TX	Polyester-reinforced, APP modified bitumen cap sheet
Polyflex SA P FR	ASTM D6222 TAS 103 (partial)	FL, TX	Polyester-reinforced, APP modified bitumen cap sheet
Polybase V	ASTM D6509	FL	Fiberglass-reinforced, APP modified bitumen base sheet
Polystick IR-Xe	ASTM D1970	FL, PA, TX	Nominal 60-mil thick rubberized asphalt waterproofing membrane, glass fiber reinforced, with an aggregate surface
Polystick MTS Plus	ASTM D1970 TAS 103	FL, NV, PA, TX, Ponte di Piave TV (Italy)	Nominal 60-mil thick rubberized asphalt waterproofing membrane, glass fiber reinforced, surfaced with poly-film surface
Polystick MX[1]	ASTM D1970	FL, PA, TX	Nominal 55-mil thick dual-layer rubberized asphalt waterproofing membrane, fiberglass reinforced, with a polypropylene film surface

[1] *Product has been found through comparative testing to have a lesser coefficient of friction than ASTM D226 roofing felt in a dry condition, tested at standard laboratory conditions. Agreement between purchaser and seller, as set forth in Section 4.3, Note 1 of ASTM D1970-17, should be established as to slip resistance*

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TABLE 1: EVALUATED UNDERLAYMENTS			
PRODUCT	MATERIAL STANDARD	PLANT(S)	DESCRIPTION
Polystick P HT (fka, Polystick P)[2]	ASTM D1970	TX	Nominal 40-mil thick SBS rubberized asphalt waterproofing membrane, non-reinforced, with a polyolefin composite film surface
Polystick PX HT[2]	ASTM D1970	PA, TX	Nominal 40-mil thick SBS rubberized asphalt waterproofing membrane, non-reinforced, with a polyolefin composite film surface
Polystick TU Max	ASTM D1970 TAS 103	FL, PA, TX	Nominal 60-mil thick rubberized asphalt waterproofing membrane with a 190 g/m^2 polyester fabric surface
Polystick TU P	TAS 103	FL, PA, TX	Nominal 130-mil thick rubberized asphalt waterproofing membrane, glass-fiber/polyester reinforced, with a granular surface
Polystick TU Plus	ASTM D1970 TAS 103	FL, PA, TX, Ponte di Piave TV (Italy)	Nominal 80-mil thick rubberized asphalt waterproofing membrane, glass fiber reinforced, with a polyester fabric surface
Polystick XFR	ASTM D1970 TAS 103	NV, TX	Nominal 80-mil thick rubberized asphalt waterproofing membrane, glass fiber reinforced, surfaced with a textured film surface
Polystrip SA	ASTM D1970	TX	Nominal 40-mil, self-adhering, non-reinforced, SBS modified bitumen flashing strips

5. LIMITATIONS:

5.1 This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this PEER, or previous versions thereof, is/was used for permitting or design guidance. PEERs are not to be construed as representing any attributes not specifically listed, nor are PEERs to be construed as an endorsement of the subject, or a recommendation for its use. There is no warranty by NEMO ETC, LLC or Robert Nieminen, P.E., express or implied, as to any finding or other matter in this PEER, or as to any product covered by the PEER.

5.2 This PEER is exclusively for use in FBC High Velocity Hurricane Zone jurisdictions, as defined in FBC Chapter 2 (Broward and Miami-Dade Counties).

5.3 This PEER pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.

5.4 This PEER does not include evaluation of fire classification. Refer to **FBC 1516** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.

5.5 **Polyglass Roof Underlayments** may be used with any prepared roof cover where the product is specifically referenced within FBC approval documents. If not listed, a request may be made to the Authority Having Jurisdiction for approval based on this evaluation combined with supporting data for the prepared roof covering.

[2] *Product has been found through comparative testing to have a lesser coefficient of friction than ASTM D226 roofing felt in a dry condition, tested at standard laboratory conditions. Agreement between purchaser and seller, as set forth in Section 4.3, Note 1 of ASTM D1970-17, should be established as to slip resistance*

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5.6 Allowable Roof Covers:

TABLE 2: ROOF COVER OPTIONS						
FBC HVHZ:	*RAS 115 1518.2.1*	*RAS 118, 119 & 120*		*RAS 133 1518.2.1*	*1518.2.1*	*RAS 130 1518.10*
UNDERLAYMENT	ASPHALT SHINGLES	CLAY AND CONCRETE TILE		METAL	SLATE OR SLATE-TYPE SHINGLES	WOOD
		MECHANICAL ATTACH	ADHESIVE-SET			
Elastobase V	Yes (Alternate to D226, Type II)	Yes (as Base Sheet, See Table 4B)	Yes (as Base Sheet, See Table 4B)	Yes (Alternate to D226, Type II)	Yes (Alternate to D226, Type II)	Yes (Alternate to D226, Type II)
Elastobase P	Yes (Alternate to D226, Type II)	No	No	Yes (Alternate to D226, Type II)	Yes (Alternate to D226, Type II)	Yes (Alternate to D226, Type II)
PolyAnchor HV	Yes (Alternate to D226, Type II)	Yes (as Base Sheet, See Table 4B)	Yes (as Base Sheet, See Table 4B)	Yes (Alternate to D226, Type II)	Yes (Alternate to D226, Type II)	Yes (Alternate to D226, Type II)
Polybase V	No	Yes (as Base Sheet, See Table 4B)	Yes (as Base Sheet, See Table 4B)	No	No	No
Polyglass G2 Base	No	Yes (as Base Sheet, See Table 4B)	Yes (as Base Sheet, See Table 4B)	No	No	No
Elastoflex S6 G	No	Yes	Yes (Table 2A)	No	No	No
Elastoflex S6 G FR	No	Yes	No	No	No	No
HydraGuard Omni Pro	Yes	Yes	No	Yes	Yes	Yes (Valley Liner)
HydraGuard Shield Pro	No	Yes	Yes (Table 2A)	Yes	No	Yes (Valley Liner)
Polyflex G	No	Yes	No	No	No	No
Polyflex G FR	No	Yes	No	No	No	No
Polyflex SA P	No	Yes	Yes (Table 2A)	No	No	No
Polyflex SA P FR	No	Yes	No	No	No	No
Polystick IR-Xe	Yes	No	No	No	Yes	Yes (Valley Liner)
Polystick MTS Plus	Yes	Yes	No	Yes	Yes	Yes (Valley Liner)
Polystick MX	Yes	No	No	Yes	No	No
Polystick P HT (fka, Polystick P)	Yes	No	No	Yes	Yes	Yes (Valley Liner)
Polystick PX HT	Yes	No	No	Yes	Yes	Yes (Valley Liner)
Polystick TU Max	No	Yes	Yes (Table 2A)	Yes	No	Yes (Valley Liner)
Polystick TU P	No	Yes	Yes (Table 2A)	No	No	Yes (Valley Liner)
Polystick TU Plus	Yes	Yes	Yes (Table 2A)	Yes	Yes	Yes (Valley Liner)
Polystick XFR	Yes	Yes	No	Yes	Yes	Yes (Valley Liner)

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5.6.1 Adhesive-set tile is limited to use of the following underlayment / tile-adhesive combinations.

TABLE 2A: ALLOWABLE UNDERLAYMENT / TILE-ADHESIVE COMBINATIONS[3]

UNDERLAYMENT	TILE-ADHESIVE OPTIONS AND MIAMI-DADE NOA				
	DAP PRODUCTS		DUPONT DE NEMOURS	ICP CONSTRUCTION	
	STORMBOND	STORMBOND 2	TILE BOND	POLYSET AH-160	POLYSET RTA-1
	NOA 23-0327.12	NOA 22-0512.02	FL22525 & NOA 22-0614.05	NOA 23-0614.01	NOA 22-0614.08
Elastoflex S6 G	Yes	Yes	Yes	Yes	Yes
Polyflex SA P	Yes	Yes	Yes	Yes	Yes
Polystick TU Max or HydraGuard Shield Pro	Yes	Yes	Yes	Yes	Yes
Polystick TU P	Yes	Yes	Yes	Yes	Yes
Polystick TU Plus	Yes	Yes	Yes	Yes	Yes

5.7 Allowable Substrates:

TABLE 3: SUBSTRATE OPTIONS FOR ADHERED UNDERLAYMENTS

UNDERLAYMENT	APPLICATION	SUBSTRATES (TO MEET WIND LOADS FOR PROJECT)		
		TYPE	PRIMER	MATERIAL(S)
Polystick IR-Xe, Polystick MTS Plus, Polystick MX, Polystick P HT (fka, Polystick P), Polystick PX HT, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick XFR, Polyflex SA P, Polyflex SA P FR, HydraGuard Omni Pro or HydraGuard Shield Pro	self-adhering	Deck / sheathing	(Optional) ASTM D41	Plywood or Southern Yellow Pine (SYP)
			ASTM D41	structural concrete
		Base Sheet	N/A	ASTM D226, Type II felt, Elastobase V, Elastobase P or PolyAnchor HV
Elastoflex S6 G or Elastoflex S6 G FR	hot asphalt	Deck	ASTM D41	structural concrete
		Base Sheet	N/A	ASTM D226, Type II felt, Elastobase V, Elastobase P or Polyglass G2 Base
Polyflex G or Polyflex G FR	torch-applied	Deck	ASTM D41	structural concrete
		Base Sheet	N/A	Elastobase V, Elastobase P, Polyglass G2 Base or Polybase V

5.8 Attachment Limitations:

5.8.1 Refer to Section 6 for codified prescriptive systems.

5.8.2 Refer to Tables 4A and 4B for underlayment systems which have documented compliance with Section 7 of TAS 103. The Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety has already been applied). No extrapolation or rational analysis is permitted for assemblies marked with an asterisk*.

5.8.3 Unless otherwise noted, referenced back-nailing shall utilize corrosion resistant "nails and tin caps" meeting the specifications set forth in **FBC HVHZ 1517.5**.

[3] *Refer to Tile Manufacturer's or Adhesive Manufacturer's Florida Product Approval or NOA for Overturning Moment Resistance Performance.*

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TABLE 4A: ALLOWABLE DESIGN PRESSURES, ADHERED, DIRECT-TO-DECK UNDERLAYMENT SYSTEMS						
SYSTEM NO.	DECK	PRIMER	JOINT TREATMENT	BASE PLY	CAP PLY	MDP (PSF)
UDL-1.	**New:** Plywood, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category or nominal 1-inch wood plank **Reroof:** Plywood, APA rated sheathing, 32/16, Exposure 1, **PS1**, 15/32 category	WB-3000	None	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-105.0
UDL-2.	**New:** Plywood, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category **Reroof:** Plywood, APA rated sheathing, 32/16, Exposure 1, **PS1**, 15/32 category	(Optional) PG100 or ASTM D41	Elastoflex SA V Flashing Strips	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-135.0
UDL-3.	Nominal 1-inch **wood plank**	(Optional) PG100 or ASTM D41	None	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-150.0
UDL-4.	**New:** Plywood, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category **Reroof:** Plywood, APA rated sheathing, 32/16, Exposure 1, **PS1**, 15/32 category	None	None	None	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-165.0
UDL-5.	**New:** Plywood, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category **Reroof:** Plywood, APA rated sheathing, 32/16, Exposure 1, **PS1**, 15/32 category	(Optional) PG100 at 0.5 gal/sq.	None	Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-202.5
UDL-6.	**New:** Plywood, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category **Reroof:** Plywood, APA rated sheathing, 32/16, Exposure 1, **PS1**, 15/32 category	PG100 at 0.5 gal/sq.	None	None	Polystick TU Max, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-255.0
UDL-7.	Structural concrete	PG100 or ASTM D41	None	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed using FBC HVHZ approved fasteners and plates, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed using FBC HVHZ approved fasteners and plates, max. 12-inch o.c.	-202.5
UDL-8.	Structural concrete	PG100 or ASTM D41	None	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed using FBC HVHZ approved fasteners and plates, max. 12-inch o.c. or Polyflex G, torch-applied and back-nailed using FBC HVHZ approved fasteners and plates, max. 12-inch o.c.	-622.5

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TABLE 4B: ALLOWABLE DESIGN PRESSURES, MECHANICALLY ATTACHED, MULTI-PLY UNDERLAYMENT SYSTEMS						
**Nails shall be corrosion resistant and be of sufficient length to penetrate through the sheathing by min. 3/16-inch						
SYSTEM NO.	DECK	BASE SHEET		BASE PLY	CAP PLY	MDP (PSF)
		TYPE	ATTACH			
UDL-9.	**Plywood**, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category	PolyAnchor HV	Min. 12 ga. annular ring shank roofing nails** with 32 ga., 1-5/8" diameter tin caps; 6-inch o.c. at the 4-inch wide side laps and 12-inch o.c. at two (2) equally spaced center rows.	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-45.0
UDL-10.	**Plywood**, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category	Elastobase V (sanded top surface for hot-asphalt or torch-applied cap or poly-film surface for torch-applied cap)	Min. 11 ga. x 3/8-inch head-diameter, annular ring shank roofing nails** with 32 ga., 1-5/8-inch diameter tin caps; 8-inch o.c. at the 4-inch wide side laps and 8-inch o.c. at three (3) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed max. 12-inch o.c. or Polyflex G, torch-applied and back-nailed max. 12-inch o.c.	-60.0
UDL-11.	**Plywood**, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category	Elastobase V (sanded top surface for hot-asphalt or torch-applied cap or poly-film surface for torch-applied cap)	OMG #12 Standard Roofgrip with OMG Flat Bottom Metal Plates (NOA 24-0627.03); 12-inch o.c. at the 4-inch wide side laps and 12-inch o.c. at two (2) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed max. 12-inch o.c. or Polyflex G, torch-applied and back-nailed max. 12-inch o.c.	-60.0
UDL-12.	**New:** Plywood, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category **Reroof:** Plywood, APA rated sheathing, 32/16, Exposure 1, **PS1**, 15/32 category	Polyglass G2 Base or Polybase V (requires use of torch-applied cap ply)	Min. 12 ga. annular ring shank roofing nails** with 32 ga., 1-5/8-inch diameter tin caps; 8-inch o.c. at the 4-inch wide side laps and 8-inch o.c. at four (4) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed max. 12-inch o.c. or torch-applied or Polyflex G, torch-applied and back-nailed max. 12-inch o.c.	-67.5
UDL-13.	**New:** Plywood, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category **Reroof:** Plywood, APA rated sheathing, 32/16, Exposure 1, **PS1**, 15/32 category	Polyglass G2 Base or Polybase V (requires use of torch-applied cap ply)	Dekfast DF-#14-PH3 with DF-PLT-2-7/8-H (NOA 22-0913.02), OMG #14 Heavy Duty with OMG AccuTrac Flat Bottom Plates (NOA 24-0627.03) or Trufast HD with Trufast 3-inch Insulation Plates (NOA 25-0129.08); 10-inch o.c. at the 4-inch wide side laps and 10-inch o.c. at three (3) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed max. 12-inch o.c. or torch-applied or Polyflex G, torch-applied and back-nailed max. 12-inch o.c.	-75.0
UDL-14.	**Plywood**, APA rated sheathing, 32/16, Exposure 1, **PS2**, 15/32 category over nominal 2x10 No. 2 SYP lumber supports	PolyAnchor HV	Min. 12 ga. x min. 1 ¼-inch long annular ring shank roofing nails with 32 ga., 1-5/8-inch diameter tin caps installed to engage SYP lumber supports; 24-inch o.c. at the 4-inch wide side laps and 24-inch o.c. at eight (8) equally spaced center rows.	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-75.0

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TABLE 4B: ALLOWABLE DESIGN PRESSURES, MECHANICALLY ATTACHED, MULTI-PLY UNDERLAYMENT SYSTEMS						
**Nails shall be corrosion resistant and be of sufficient length to penetrate through the sheathing by min. 3/16-inch						
SYSTEM NO.	DECK	BASE SHEET		BASE PLY	CAP PLY	MDP (PSF)
		TYPE	ATTACH			
UDL-15.	**Plywood**, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category	PolyAnchor HV	Min. 12 ga. annular ring shank roofing nails** with 32 ga., 1-5/8-inch diameter tin caps; 10-inch o.c. at the 4-inch wide side laps and 10-inch o.c. at three (3) equally spaced staggered center rows.	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-75.0
UDL-16.	**New:** Plywood, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category **Reroof:** Plywood, APA rated sheathing, 32/16, Exposure 1, **PS1**, 15/32 category	PolyAnchor HV	Min. 12 ga. annular ring shank roofing nails** with 32 ga., 1-5/8-inch diameter tin caps; 6-inch o.c. at the 2-inch wide side laps and 6-inch o.c. at three (3) equally spaced staggered center rows.	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-82.5
UDL-17.	**Plywood**, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category	Elastobase V (poly-film top surface) or PolyAnchor HV	Min. 11 ga. x 3/8-inch head-diameter, annular ring shank roofing nails** with 32 ga., 1-5/8-inch diameter tin caps; 4-inch o.c. at the 4-inch wide side laps and 4-inch o.c. at four (4) equally spaced staggered center rows.	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-97.5
UDL-18.	**New:** Plywood, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category **Reroof:** Plywood, APA rated sheathing, 32/16, Exposure 1, **PS1**, 15/32 category	PolyAnchor HV	Min. 12 ga. annular ring shank roofing nails** with 32 ga., 1-5/8-inch diameter tin caps; 5-inch o.c. at the 4-inch wide side laps and 5-inch o.c. at four (4) equally spaced staggered center rows.	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-105.0
UDL-19.	**Plywood**, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category	PolyAnchor HV	Min. 12 ga. annular ring shank roofing nails** with 32 ga., 1-5/8-inch diameter tin caps; 6-inch o.c. at the 2-inch wide side laps and 6-inch o.c. at three (3) equally spaced staggered center rows.	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-112.5
UDL-20.	**Plywood**, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category	PolyAnchor HV	Min. 12 ga. annular ring shank roofing nails** with 32 ga., 1-5/8-inch diameter tin caps; 5-inch o.c. at the 4-inch wide side laps and 5-inch o.c. at three (3) equally spaced staggered center rows.	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-120.0
UDL-21.	**Plywood**, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category	PolyAnchor HV	Min. 12 ga. annular ring shank roofing nails** with 32 ga., 1-5/8-inch diameter tin caps; 6-inch o.c. at the 4-inch wide side laps and 6-inch o.c. at four (4) equally spaced staggered center rows.	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-135.0

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5.9 Exposure Limitations:

TABLE 5: EXPOSURE LIMITATIONS		
UNDERLAYMENT	PREPARED ROOF COVER INSTALLATION TYPE	MAXIMUM EXPOSURE (DAYS)
Elastobase V, Elastobase P, Polyglass G2 Base, Polybase V, PolyAnchor HV or Polystick P HT (fka, Polystick P)	Mechanically attached	30
Polystick IR-Xe or Polystick MX	Mechanically attached	90
Polystick PX HT	Mechanically attached	120
Polystick MTS Plus, Polystick TU Max, Polystick TU P, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro,	Any type (per Table 2)	180
Polystick TU Plus	Any type (per Table 2)	360
Elastoflex S6 G or Polyflex SA P	Adhesive-set tile roof system	180
Elastoflex S6 G, Elastoflex S6 G FR, Polyflex G, Polyflex G FR, Polyflex SA P or Polyflex SA P FR	Mechanically attached	UNLIMITED

5.10 Tile Slippage Limitations: When loading roof tiles on the underlayment, the maximum roof pitch shall be as follows. These pitch limitations can only be exceeded by using battens or loading boards during loading of the roof tiles.

TABLE 6: TILE SLIPPAGE LIMITATIONS			
UNDERLAYMENT	TILE PROFILE	STAGING METHOD	MAXIMUM STAGING PITCH
Elastoflex S6 G or S6 G FR	Flat or Lugged	Prohibited without battens or loading boards	N/A
Polyflex G or G FR	Flat or Lugged	6-tile stack (4 over 2)	4:12
Polyflex SA P or SA P FR	Flat or Lugged	6-tile stack (4 over 2)	4:12
Polystick MTS Plus or HydraGuard Omni Pro	Flat or Lugged	Prohibited without battens or loading boards	N/A
Polystick TU Max or HydraGuard Shield Pro	Flat	6-tile stack (4 over 2) or 10-tile stack	7:12
	Lugged	6-tile stack (4 over 2)	7:12
	Lugged	10-tile stack	6:12
Polystick TU P	Flat or Lugged	6-tile stack (4 over 2)	7:12
Polystick TU Plus	Flat or Lugged	6-tile stack (4 over 2)	7:12
	Flat or Lugged	10-tile stack	6:12
Polystick XFR	Flat or Lugged	Prohibited without battens or loading boards	N/A

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6. INSTALLATION:

6.1 **Polyglass Roof Underlayments** shall be installed in accordance with **Polyglass** published installation instructions subject to the Limitations of Use herein and the specifics noted below.

6.1.1 Consult Polyglass requirements for back-nailing at pitch 2:12 or greater.

6.1.2 All fabric-surfaced, aggregate-surfaced and granule-surfaced end-laps shall have a 6-inch wide, uniform layer of PG500 or POLYPLUS 50 applied within the end-lap.

6.2 Re-fasten any loose decking panels, and check for protruding nail heads. Sweep the substrate thoroughly to remove any dust and debris prior to application, and prime the substrate (if applicable).

6.3 Refer to Section 6.4 for underlayments having prescriptive codified minimum attachment or Tables 4A and 4B for underlayment systems having maximum design pressures established in accordance with Section 7 of TAS 103.

6.4 Underlayment Assemblies with Prescriptive Minimum Attachment for use in NON-TILE applications:

6.4.1

CODE REFERENCE:	**1518.2.1, Option 1:** Underlayment adhered to deck
DECK DESCRIPTION:	Code-minimum, new or existing (roof replacement) wood or structural concrete deck to the satisfaction of the Authority Having Jurisdiction (refer to Table 3 for specific underlayment/substrate combinations)
SECONDARY WATER BARRIER:	(Optional) **Elastoflex SA V Flashing Strips or Polystrip SA** self-adhered over joints of the plywood roof deck prior to installation of subsequent layer(s) in accordance with FBC HVHZ 1518.2.1(2).
NOTE:	*When using **Elastoflex SA V Flashing Strips**, do not overlap end-joints or T-joints. All end-joints and T-joints shall be butted firmly side by side, flush with each other but not overlapped.*
UNDERLAYMENT: BASE PLY:	(Optional) **Polystick MTS Plus, Polystick XFR or HydraGuard Omni Pro** self-adhered in accordance with FBC Section 1518.2.1(1) and back-nailed max. 12-inch o.c. using FBC HVHZ Approved nails and tin caps (FBC HVHZ 1517.5) or FBC HVHZ Approved concrete fasteners and plates.
CAP PLY:	**Polystick IR-Xe, Polystick MTS Plus, Polystick MX, Polystick P HT (fka, Polystick P), Polystick PX HT, Polystick TU Max, Polystick TU Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro**, self-adhered in accordance with FBC HVHZ 1518.2.1(1) and back-nailed max. 12-inch o.c. using FBC HVHZ Approved nails and tin caps (FBC HVHZ 1517.5) or FBC HVHZ Approved concrete fasteners and plates.
SURFACING:	FBC HVHZ Approved asphalt shingles, metal roof panels or metal shingles, slate or slate type shingles, subject to the allowable roof covers in Table 2 herein.

6.4.2

CODE REFERENCE:	**1518.2.1, Option 2:** Self-adhering strips to deck-joints followed by underlayment mechanically attached to deck
DECK DESCRIPTION:	Code-minimum, new or existing (roof replacement) wood deck to the satisfaction of the Authority Having Jurisdiction
SECONDARY WATER BARRIER:	**Elastoflex SA V Flashing Strips or Polystrip SA** self-adhered over joints of the plywood roof deck prior to installation of subsequent layer(s) in accordance with FBC HVHZ 1518.2.1(2).
NOTE:	*When using **Elastoflex SA V Flashing Strips**, do not overlap end-joints or T-joints. All end-joints and T-joints shall be butted firmly side by side, flush with each other but not overlapped.*
UNDERLAYMENT:	**Elastobase V, Elastobase P, PolyAnchor HV** or FBC HVHZ Approved ASTM D226, Type II felt or ASTM D8257 synthetic underlayment, in accordance with FBC HVHZ Table 1518.2.1, with a minimum 4-inch side lap and 6-inch end lap, mechanically fastened to deck
FASTENING:	FBC HVHZ Approved nails and tin caps (FBC HVHZ 1517.5), grid pattern of 12-inches between the overlaps and 6-inch spacing at the overlaps, in accordance with FBC HVHZ Table 1518.2.1.
SURFACING:	FBC HVHZ Approved asphalt shingles, metal roof panels or metal shingles, slate or slate type shingles, subject to the allowable roof covers in Table 2 herein.

6.4.3

CODE REFERENCE:	**1518.2.1, Option 3:** Two-layer underlayment mechanically fastened to deck
DECK DESCRIPTION:	Code-minimum, new or existing (roof replacement) wood deck to the satisfaction of the Authority Having Jurisdiction
UNDERLAYMENT:	Two (2) layers of **Elastobase V, Elastobase P or PolyAnchor HV** in accordance with FBC HVHZ 1518.2.1(3).
FASTENING:	FBC HVHZ Approved nails and tin caps (FBC HVHZ 1517.5) in accordance with FBC HVHZ 1518.2.1(3).
SURFACING:	FBC HVHZ Approved asphalt shingles, metal roof panels or metal shingles, slate or slate type shingles, subject to the allowable roof covers in Table 2 herein.

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6.4.4	**CODE REFERENCE:**	**1518.2.1, Option 1 combined with Option 2 or 3:** Optional self-adhering strips to deck-joints followed by base sheet mechanically fastened to deck followed by underlayment adhered to base sheet
	DECK DESCRIPTION:	Code-minimum, new or existing (roof replacement) wood deck to the satisfaction of the Authority Having Jurisdiction
	SECONDARY WATER BARRIER:	(Optional) **Elastoflex SA V Flashing Strips or Polystrip SA** self-adhered over joints of the plywood roof deck prior to installation of subsequent layer(s) in accordance with FBC HVHZ 1518.2.1(2).
	NOTE:	*When using **Elastoflex SA V Flashing Strips**, do not overlap end-joints or T-joints. All end-joints and T-joints shall be butted firmly side by side, flush with each other but not overlapped.*
	BASE SHEET:	One (1) or two (2) layer(s) of **Elastobase V, Elastobase P, PolyAnchor HV** or FBC HVHZ Approved ASTM D226, Type II felt or ASTM D8257 synthetic underlayment, in accordance with FBC HVHZ Table 1518.2.1, with a minimum 4-inch side lap and 6-inch end lap, mechanically fastened to deck.
	FASTENING:	FBC HVHZ Approved nails and tin caps (FBC HVHZ 1517.5), grid pattern of 12-inches between the overlaps and 6-inch spacing at the overlaps, in accordance with FBC HVHZ Table 1518.2.1.
	UNDERLAYMENT:	BASE PLY: (Optional) **Polystick MTS Plus, Polystick XFR or HydraGuard Omni Pro**, self-adhering and back-nailed max. 12-inch o.c. using FBC HVHZ Approved nails and tin caps (FBC HVHZ 1517.5)
		CAP PLY: **Polystick IR-Xe, Polystick MTS Plus, Polystick MX, Polystick P HT (fka, Polystick P), Polystick PX HT, Polystick TU Max, Polystick TU Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro** self-adhering and back-nailed max. 12-inch o.c. using FBC HVHZ Approved nails and tin caps (FBC HVHZ 1517.5).
	SURFACING:	FBC HVHZ Approved asphalt shingles, metal roof panels or metal shingles, slate or slate type shingles, subject to the allowable roof covers in Table 2 herein.

7. BUILDING PERMIT REQUIREMENTS:

As required by the Building Official or Authority Having Jurisdiction to properly evaluate the installation of this product.

8. MANUFACTURING PLANTS:

Contact the named QA entity for manufacturing facilities covered by **F.A.C. Rule 61G20-3** QA requirements. Refer to Section 4 herein for products and production locations having met codified material standards.

9. QUALITY ASSURANCE ENTITY:

UL, LLC – QUA9625: (360) 817-5512; bsai.inspections@ul.com

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MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786)315-2590 F (786) 315-2599
www.miamidade.gov/economy

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

NOTICE OF ACCEPTANCE (NOA)

ICP Construction Inc.
150 Dascomb Road
Andover, MA 01810

SCOPE:

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

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

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

DESCRIPTION: APOC® Polyset® AH-160

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

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

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

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

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

This NOA revises NOA# 22-0614.10 and consists of pages 1 through 12.
The submitted documentation was reviewed by Alex Tigera.

09/19/24

MIAMI-DADE COUNTY APPROVED

NOA No.: 23-0614.01
Expiration Date: 05/10/27
Approval Date: 09/19/24

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ROOFING COMPONENT APPROVAL:

Category: Roofing
Sub Category: Roof tile adhesive
Materials: Polyurethane

SCOPE:

This approves **APOC® Polyset® AH-160 (HFC), APOC® Polyset® AH-160 (HFO 1) and APOC® Polyset® AH-160 (HFO 2)** as manufactured by **ICP Construction, Inc.** as described in this Notice of Acceptance. For the locations where the design pressure requirements, as determined by applicable building code, do not exceed the design pressure values obtained by calculations in compliance with Roofing Application Standard RAS 127. For use with approved flat, low, and high profile roof tile systems using Polyset® AH-160.

PRODUCTS MANUFACTURED BY APPLICANT:

Product	Dimensions	Test Specifications	Product Description
APOC® Polyset®AH-160 (HFC) *(formerly known as Polyset®AH-160)*	N/A	TAS 101	Two component polyurethane foam adhesive
APOC® Polyset® AH-160 (HFO 1)	N/A	TAS 101	Two component polyurethane foam adhesive
APOC® Polyset® AH-160 (HFO 2)	N/A	TAS 101	Two component polyurethane foam adhesive
ICP Adhesives Foam Dispenser RTF1000	N/A		Dispensing Equipment
ICP Adhesives ProPack® 30 & 100	N/A		Dispensing Equipment

PRODUCTS MANUFACTURED BY OTHERS:

Any Miami-Dade County Product Control Accepted Roof Tile Assembly having a current NOA which list attachment resistance values with the use of Polyset® AH-160 roof tile adhesive.

MANUFACTURING LOCATION:

1. Tomball, TX.

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PHYSICAL PROPERTIES:

Note: The physical properties listed below are presented as typical average values as determined by accepted ASTM test methods and are subject to normal manufacturing variation.

APOC® Polyset®AH-160 (HFC)

Property	Test	Results
Density @ 73ºF	ASTM D1622	2.1 lbs./ft.³
Compressive Strength	ASTM D1621	18 PSI Parallel to rise 14 PSI Perpendicular to rise
Tensile Strength	ASTM D1623	29 PSI Parallel to rise
Water Absorption	ASTM D2842	0%
Moisture Vapor Transmission	ASTM E96	2.3 Perms
Dimensional Stability	ASTM D2126	+0.07% Volume Change @ -40º F., 2 weeks +6.0% Volume Change @158ºF., 100% Humidity, 2 weeks
Closed Cell Content	ASTM D6226	94%

APOC® Polyset®AH-160 (HFO 1)

Property	Test	Results
Density @ 73ºF	ASTM D1622	2.5 lbs./ft.³
Compressive Strength	ASTM D1621	30 PSI Parallel to rise 21 PSI Perpendicular to rise
Tensile Strength	ASTM D1623	43 PSI Parallel to rise
Water Absorption	ASTM D2842	3%
Moisture Vapor Transmission	ASTM E96	2.7 Perms
Dimensional Stability	ASTM D2126	+0.00% Volume Change @ -40º F., 2 weeks +0.8% Volume Change @158ºF., 100% Humidity, 2 weeks
Closed Cell Content	ASTM D6226	91%

APOC® Polyset®AH-160 (HFO 2)

Property	Test	Results
Density @ 73ºF	ASTM D1622	2.5 lbs./ft.³
Compressive Strength	ASTM D1621	25 PSI Parallel to rise 19 PSI Perpendicular to rise
Tensile Strength	ASTM D1623	29 PSI Parallel to rise
Water Absorption	ASTM D2842	3%
Moisture Vapor Transmission	ASTM E96	3.0 Perms
Dimensional Stability	ASTM D2126	+0.00% Volume Change @ -40º F., 2 weeks +0.8% Volume Change @158ºF., 100% Humidity, 2 weeks
Closed Cell Content	ASTM D6226	95%

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EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Name/Report	Date
Center for Applied Engineering	#94-060	TAS 101	04/08/94
	257818-1PA	TAS 101	12/16/96
	25-7438-3	SSTD 11-93	10/25/95
	25-7438-4		
	25-7438-7	SSTD 11-93	11/02/95
	25-7492	SSTD 11-93	12/12/95
Miles Laboratories Polymers Division	NB-589-631	ASTM D 1623	02/01/94
Ramtech Laboratories, Inc.	9637-92	ASTM E 108	04/30/93
Southwest Research Institute	01-6743-011	ASTM E 108	11/16/94
	01-6739-062b[1]	ASTM E 84	01/16/95
Trinity Engineering	7050.02.96-1	TAS 114	03/14/96
	P36700.04.12	ASTM D 1623	04/18/12
	P39740.02.12	TAS 101	02/21/12
		TAS 123	
Celotex Corp. Testing Services	528454-2-1	TAS 101	10/23/98
	528454-9-1		
	528454-10-1		
	520109-1	TAS 101	12/28/98
	520109-2		
	520109-3		
	520109-6		
	520109-7		
	520191-1	TAS 101	03/02/99
	520109-2-1		
NEMO ETC, LLC	4p-ICP-20-SSLAP-01.B	Physical Properties	11/11/20
	4p-ICP-22-SSLAP-06.B-R1	Physical Properties	04/26/23

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LIMITATIONS:

1. Fire classification is not part of this acceptance. Refer to the Prepared Roof Tile Assembly for fire rating.
2. APOC® Polyset® AH-160 (HFC), APOC® Polyset® AH-160 (HFO 1) and APOC® Polyset® AH-160 (HFO 2) shall solely be used with flat, low, & high tile profiles.
3. Minimum underlayment shall be in compliance with the Roofing Application Standard RAS 120.
4. Roof Tile manufactures acquiring acceptance for the use of APOC® Polyset® AH-160 (HFC), APOC® Polyset® AH-160 (HFO 1) and APOC® Polyset® AH-160 (HFO 2) roof tile adhesive with their tile assemblies shall test in accordance with TAS 101.
5. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

INSTALLATION:

1. APOC® Polyset® AH-160 (HFC) may be used with any roof tile assembly having a current NOA that lists attachment resistance values with the use of Polyset® AH-160.
2. APOC® Polyset® AH-160 (HFC), APOC® Polyset® AH-160 (HFO 1) and APOC® Polyset® AH-160 (HFO 2) shall be applied in compliance with the Component Application section and the corresponding Placement Details noted herein. The roof tile assembly's adhesive attachment with the use of APOC® Polyset® AH-160 (HFC), APOC® Polyset® AH-160 (HFO 1) and APOC® Polyset® AH-160 (HFO 2) shall provide sufficient attachment resistance to meet or exceed the resistance value determined in compliance with Miami-Dade County Roofing Application Standards RAS 127. The adhesive attachment data is noted in the roof tile assembly NOA.
3. APOC® Polyset® AH-160 (HFC), APOC® Polyset® AH-160 (HFO 1) and APOC® Polyset® AH-160 (HFO 2) and its components shall be installed in accordance with Roofing Application Standard RAS 120, and ICP Construction, Inc.'s Operating Instruction and Maintenance Booklet.
4. Installation must be by a Factory Trained 'Qualified Applicator' approved and licensed by ICP Construction, Inc. ICP Construction, Inc. shall supply a list of approved applicators to the authority having jurisdiction.
5. Calibration of the ICP Adhesives Foam Dispenser RTF1000 dispensing equipment is required before application of any adhesive. The mix ratio between the "A" component and the "B" component shall be maintained between 1.0-1.15 (A): 1.0 (B).
6. APOC® Polyset® AH-160 (HFC), APOC® Polyset® AH-160 (HFO 1) and APOC® Polyset® AH-160 (HFO 2) shall be applied with ICP Adhesives Foam Dispenser RTF1000 or ICP Adhesives ProPack® 30 & 100 dispensing equipment only.
7. APOC® Polyset® AH-160 (HFC), APOC® Polyset® AH-160 (HFO 1) and APOC® Polyset® AH-160 (HFO 2) shall not be exposed permanently to sunlight.
8. Tiles must be adhered in freshly applied adhesive. Tile must be set within 1 to 2 minutes after APOC® Polyset® AH-160 (HFC), APOC® Polyset® AH-160 (HFO 1) and APOC® Polyset® AH-160 (HFO 2) has been dispensed.
9. APOC® Polyset® AH-160 (HFC), APOC® Polyset® AH-160 (HFO 1) and APOC® Polyset® AH-160 (HFO 2) placement and minimum patty weight shall be in accordance with the 'Placement Details' herein. Each generic tile profile requires the specific placement noted herein.

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Table 1: Adhesive Placement For Each Generic Tile Profile			
Tile Profile	**Placement Detail**	**Minimum Paddy Contact Area**	**Minimum Paddy Gram Weight**
Eave Course - Flat, Low, High Profiles	**All Eave Course**	**17-23 sq. inches**	**45-65**
Flat, Low, High Profiles	#1	17-23 sq. inches	45-65
Flat Profile	#2	10-12 sq. inches	30
Low Profile	#2	12-14 sq. inches	30
High Profile	#2	17-19 sq. inches	30
Flat, Low, High Profiles	#3	Two Paddys: 8-9 sq. inches at head of tile 9-11 sq. inches at overlap	12 grams per paddy
Two-Piece Barrel (Cap Tile)	Two Piece	2 Beads (1 each longitudinal edge) 20-25 sq. inches each bead	17 grams per bead
Two Piece Barrel (Pan Tile)	Two Piece	65-70 sq. inches	34 grams under pan

LABELING:

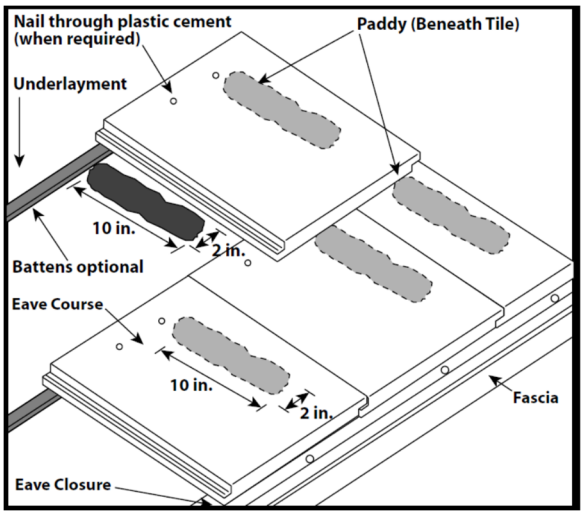
All approved products listed herein shall be labeled and shall bear the imprint or identifiable marking of the manufacturer's name or logo and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.

BUILDING PERMIT REQUIREMENTS:

As required by the Building Official or applicable building code in order to properly evaluate the installation of this system.

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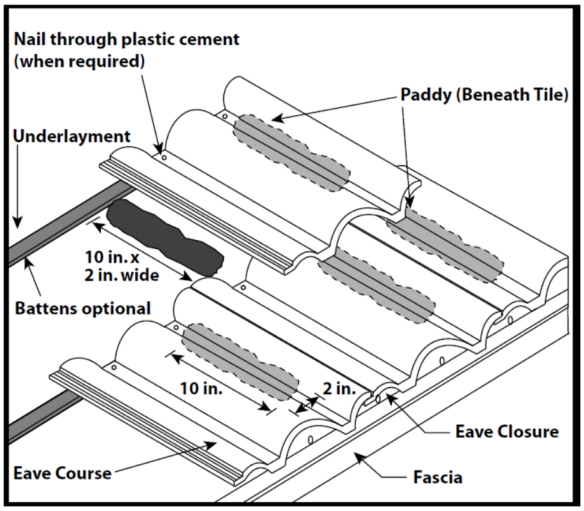
ADHESIVE PLACEMENT DETAIL # 1



Flat/Low Profile Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown, under the strengthening rib closest to the overlock of the tile being set.

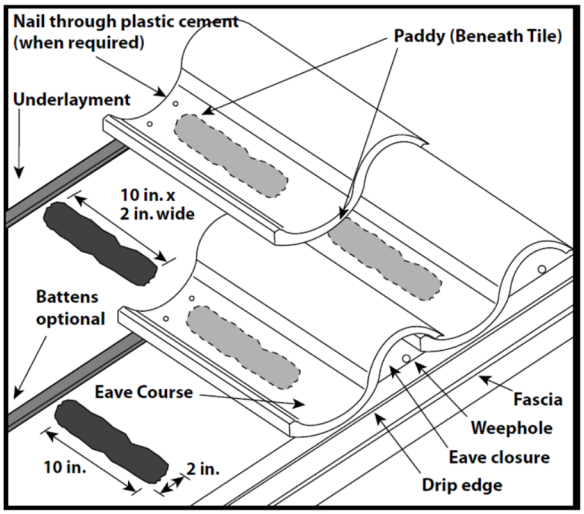
2. Continue in same manner. Insure approximately 17 (109.7 cm^2) – 23 (148.4 cm^2) square inch adhesive contact with the underside of the tile.



Medium Profile / Double Pan Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set.

2. Continue in same manner. Insure approximately 17 (109.7 cm^2) – 23 (148.4 cm^2) square inch adhesive contact with the underside of the tile.



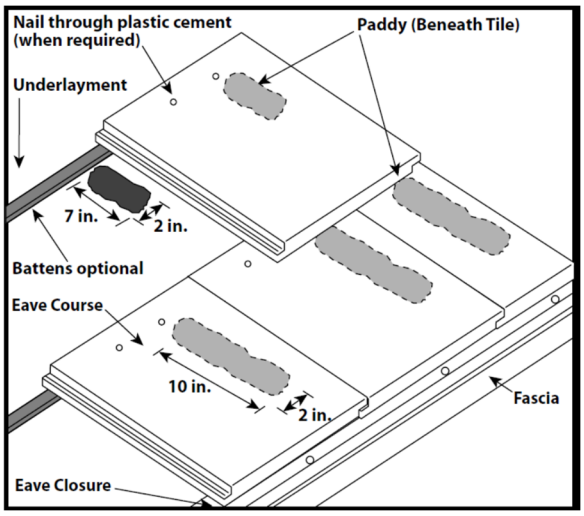
High Profile / Single Pan Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set.

2. Continue in same manner. Insure approximately 17 (109.7 cm^2) – 23 (148.4 cm^2) square inch adhesive contact with the underside of the tile.

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ADHESIVE PLACEMENT DETAIL # 2

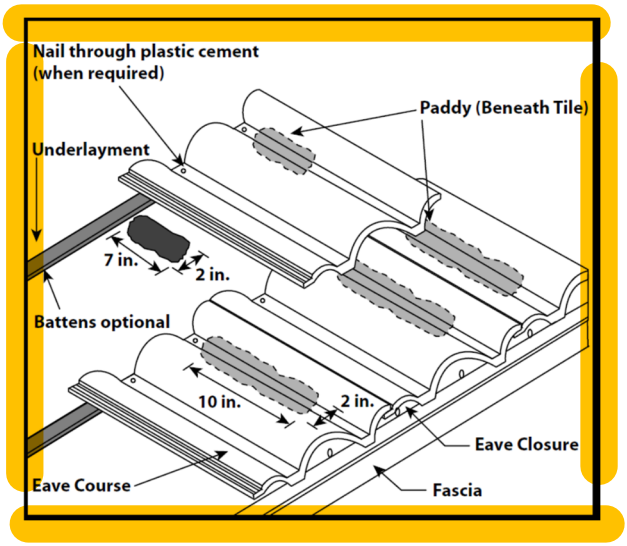


Flat/Low Profile Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the strengthening rib of the tile closest to the overlock of the tile being set. Insure approximately 17 (109.7 cm^2) – 23 (148.4 cm^2) square inch adhesive contact with the underside of the tile.

2. At the second course, apply a minimum 2" (50.8mm) x 7" (177.8 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the strengthening rib closest to the overlock of the tile being set.

3. Continue in same manner. Insure approximately 10" (64.5 cm^2) - 12 (77.4 cm^2) square inch adhesive contact with the underside of the tile.



Medium Profile / Double Pan Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set. Insure approximately 17 (109.7 cm^2) – 23 (148.4 cm^2) square inch adhesive contact with the underside of the tile.

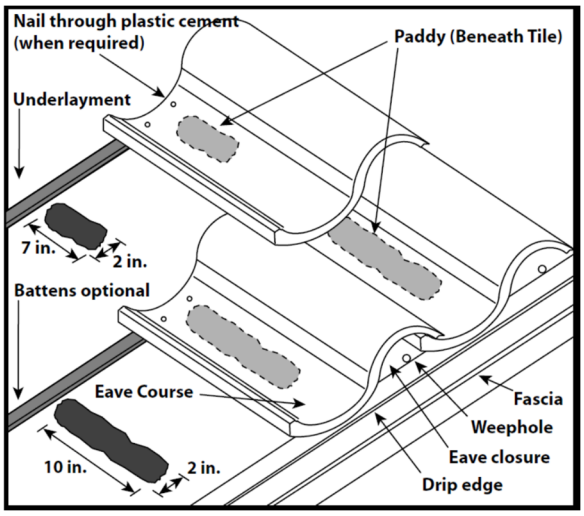
2. At the second course, apply a minimum 2" (50.8mm) x 7" (177.8 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set.

3. Continue in same manner. Insure approximately 12" (77.4 cm2) - 14 (90.3 cm^2) square inch adhesive contact with the underside of the tile.

(Instructions continued on next page)

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ADHESIVE PLACEMENT DETAIL # 2 (CONTINUED)



High Profile / Single Pan Tile

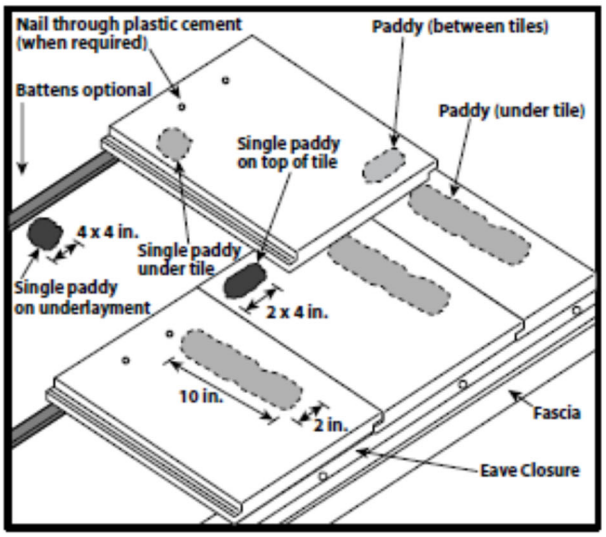
1. Starting at the eave course, apply a minimum 2” (50.8 mm) x 10” (254 mm) x 1” (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set. Insure approximately 17 (109.7 cm^2) – 23 (148.4 cm^2) square inch adhesive contact with the underside of the tile.

2. At the second course, apply a minimum 2” (50.8mm) x 7” (177.8 mm) x 1” (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set.

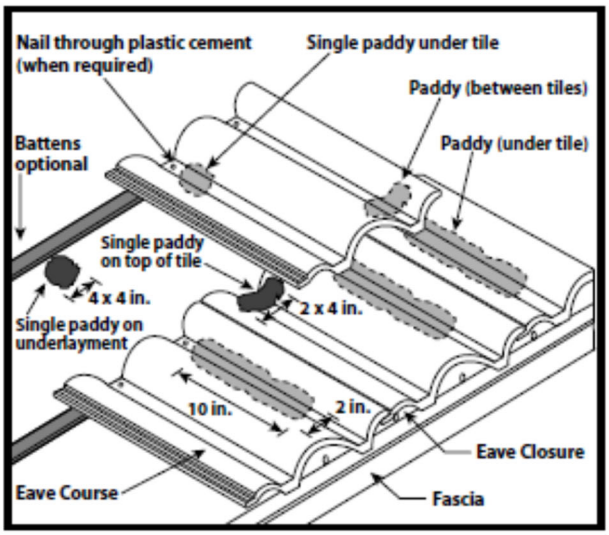
3. Continue in same manner. Insure approximately 17” (109.7 cm^2) - 19 (122.6 cm^2) square inch adhesive contact with the underside of the tile.

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ADHESIVE PLACEMENT DETAIL # 3



Flat/Low Profile Tile



Medium Profile Tile

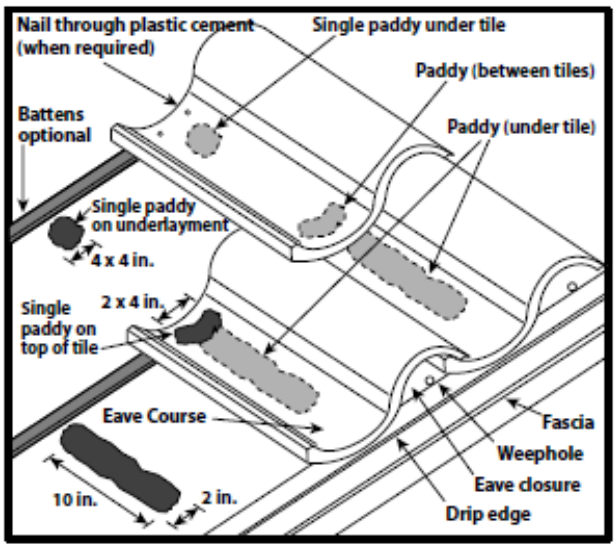
1. On the eave course only, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown, under the strengthening rib for flat tile or under the pan portion of the tile for low or high profile tile closest to the overlock of the tile being set. Leave approximately 4" (101.6 mm) up from the eave edge free of foam to prevent the expanded adhesive from blocking the weep holes. Insure approximately 17-23 in^2 (109.7-148.4 cm^2) of adhesive contact with the underside of the tile

2. Apply a 4" (101.6 mm) x 4" (101.6 mm) x 1" (25.4 mm) foam paddy onto the underlayment just below the second course line positioned foam paddy under the strengthening rib for flat tile, or under the pan portion of the tile, closest to the underlock for the second course tile to be installed. Insure approximately 8-9 in^2 (51.6-58.1 cm^2) of adhesive contact with the underside of the tile.

(Instructions continued on next page)

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ADHESIVE PLACEMENT DETAIL # 3 (CONTINUED)

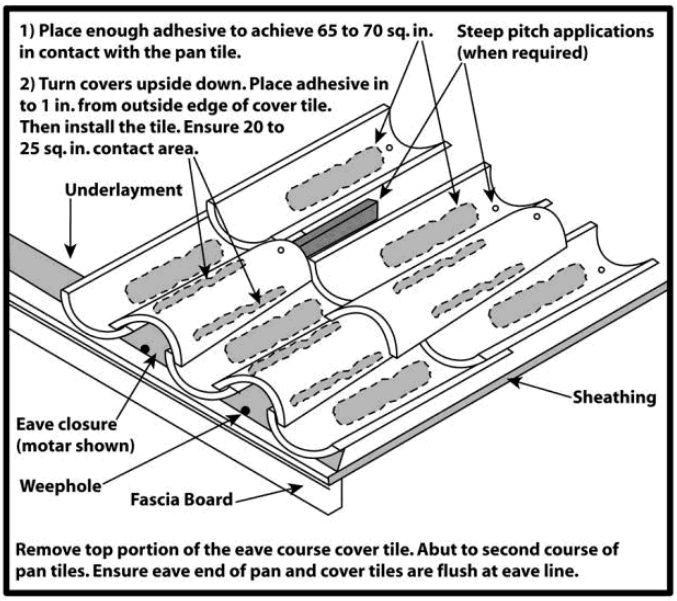


High Profile Tile

3. Also apply a 2" (50.8 mm) x 4" (101.6 mm) x ¾" (19 mm) paddy on top of the eave course tile surface as shown, on top of the strengthening rib for flat tile or on top of the pan portion of the tile, closest to the underlock of the first course of tile. Install second course of tile. Insure approximately 9 (58.1 cm^2) - 11 (71cm^2) square inch adhesive contact with the underside of the tile at the overlap and 7 (45.2 cm^2) - 9 (58.1 cm^2) square inch adhesive contact with the underside of the tile at the head of the tile. Continue in same manner.

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ADHESIVE PLACEMENT DETAIL
TWO PIECE BARREL



Two Piece Barrel - High Profile Tile

Two Piece Barrel (Cap and Pan) Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under two adjacent pan tiles. Support eave tiles from rocking until adhesive has a chance to cure.

2. Continue in same manner bringing two pan courses up toward the ridge. Insure approximately 65 (419.4 cm^2) – 70 (451.6 cm^2) square inch adhesive contact with the underside of the pan tile.

3. Turn covers upside down exposing the underside of the tile. Apply a minimum 1" (25.4 mm) x 10" (254 mm) bead of adhesive directly on the inner edge of each side of the cover tile. Leave approximately 3/4" (19 mm) to 1" (25.4 mm) from the outside edge of the tile, inward, free of foam to allow for expansion.

4. Turn cover tile over after foam is applied and place onto pan tile course. Insure a minimum of 20 (129 cm^2) - 25 (161.3 cm^2) square inch contact area on each side of the cover tile to the pan tile. Continue in same manner. Trim away any cured exposed foam adhesive. Pointing of longitudinal edges of the cover tiles are considered optional.

5. When additional nailing is required, 2" (50.8 mm) x 4" (101.6 mm) nailers or the tie wire system using galvanized, stainless steel, or copper wire and compatible nails may be used.

END OF THIS ACCEPTANCE

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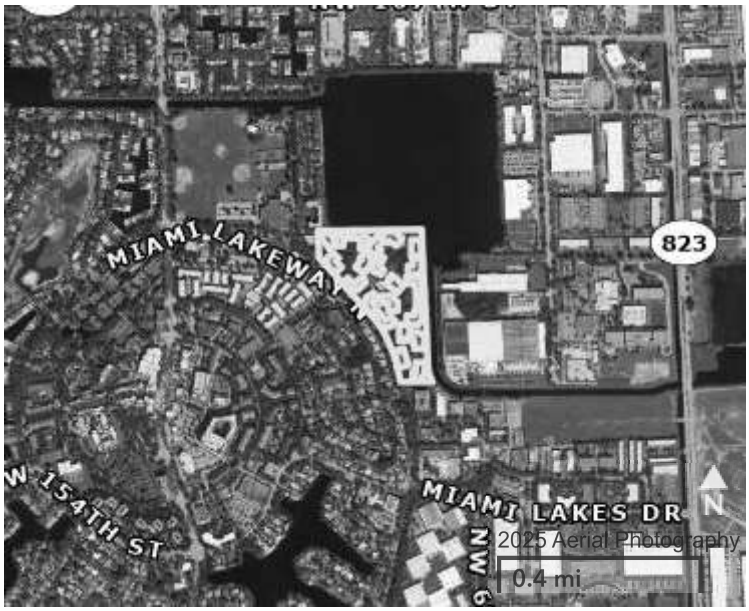
PROPERTY APPRAISER OF MIAMI-DADE COUNTY

Summary Report

Generated On: 07/15/2026

PROPERTY INFORMATION

Folio	32-2013-019-0011
Property Address	0 , FL
Owner	CELEBRATION POINT MASTER , ASSOCIATION INC
Mailing Address	15517 MIAMI LAKEWAY N HIALEAH, FL 33014
Primary Zone	5000 HOTELS & MOTELS - GENERAL
Primary Land Use	9751 PVT PARK -REC AREA -ROADWAY : COMMON AREA
Beds / Baths /Half	0 / 0 / 0
Floors	0
Living Units	0
Actual Area	0 Sq.Ft
Living Area	0 Sq.Ft
Adjusted Area	0 Sq.Ft
Lot Size	0 Sq.Ft
Year Built	0



ASSESSMENT INFORMATION

Year	2026	2025	2024
Land Value	$0	$0	$0
Building Value	$0	$0	$0
Extra Feature Value	$0	$0	$0
Market Value	$0	$0	$0
Assessed Value	$0	$0	$0

BENEFITS INFORMATION

Benefit	Type	2026	2025	2024

Note: Not all benefits are applicable to all Taxable Values (i.e. County, School Board, City, Regional).

SHORT LEGAL DESCRIPTION

MASTER ASSOC PROP FOR CELEBRATION
POINT CONDO 1 THRU 4
MIAMI LAKES EAGLE RIDGE SEC 1
PB 127-93 A PORT OF TR A AS DESC
OR 13126-2459

TAXABLE VALUE INFORMATION

Year	2026	2025	2024
COUNTY			
Exemption Value	$0	$0	$0
Taxable Value	$0	$0	$0
SCHOOL BOARD			
Exemption Value	$0	$0	$0
Taxable Value	$0	$0	$0
CITY			
Exemption Value	$0	$0	$0
Taxable Value	$0	$0	$0
REGIONAL			
Exemption Value	$0	$0	$0
Taxable Value	$0	$0	$0

SALES INFORMATION

Previous Sale	Price	OR Book-Page	Qualification Description

The information contained herein is for ad valorem tax assessment purposes only. The Property Appraiser of Miami-Dade County is continually editing and updating the tax roll. This website may not reflect the most current information on record. The Property Appraiser of Miami-Dade County and Miami-Dade County assumes no liability, see full disclaimer and User Agreement at https://www.miamidadepa.gov/pa/disclaimer.page

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Florida Building Code 8th Edition (2023)

High Velocity Hurricane Zone Uniform Roofing Application Form for Miami-Dade County

Section A (General Information)

Master Permit Number: _____ Process Number: _____

Contractor's Name: Roofing and Construction Corp

Job Address: 15569 Miami Lakeway N Miami Lakes FL 33014

ROOF CATEGORY

☐ Low Slope ☐ Mechanically Fastened Tile ☑ Mortar / Adhesive Set Tile

☐ Asphaltic Shingles ☐ Metal Panel/ Shingles ☐ Wood Shingles / Shakes

ROOF TYPE

☐ New Roof ☐ Repair ☐ Maintenance ☑ Reroofing ☐ Recovering

ROOF SYSTEM INFORMATION

Low Slope Roof Area (ft^2)	Steep Sloped Roof Area (ft^2)	Total (ft^2)
0	9933	9933

Are there gas vents on the roof? ○ Yes ⊗ No If Yes what type? ○ Natural ○ LPX

Is there an existing roof top Solar System? ○ Yes ⊗ No If yes will it be reinstalled? ○ Yes ○ No

Section B (Roof Plan)

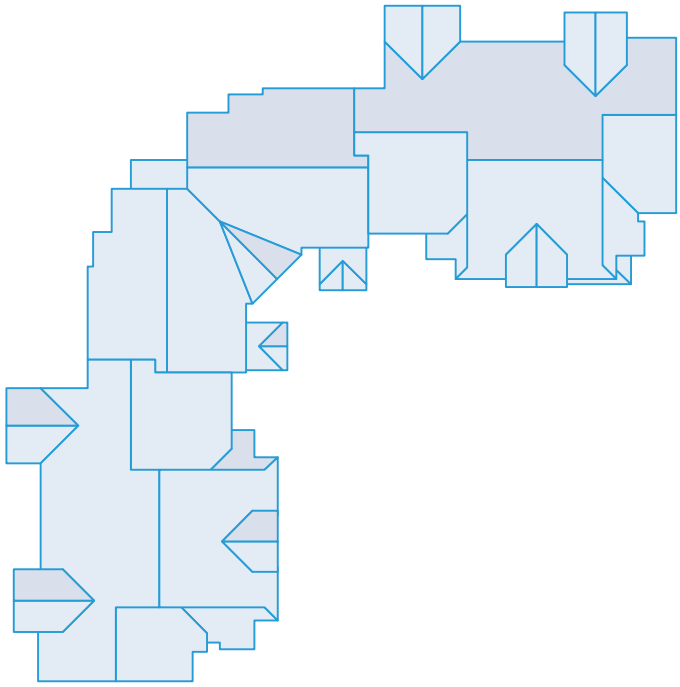
Sketch Roof Plan: Illustrate all levels and sections, roof drains, scuppers, overflow scuppers and overflow drains. Include dimensions of sections and levels, clearly identify dimensions of elevated pressure zones and location of parapets.

SEE ATTACHED

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Summary of all structures from report #20

15405 Miami Lakeway North, Miami Lakes, Florida, United States



Measurements

Total roof area	9933 sqft
Total pitched area	9933 sqft
Total flat area	0 sqft
Total roof facets	39 facets
Predominant pitch	5/12
Total eaves	458ft 5in
Total valleys	243ft 4in
Total hips	21ft 10in
Total ridges	332ft 4in
Total rakes	558ft 3in
Total wall flashing	112ft 6in
Total step flashing	212ft 1in
Total transitions	0ft 0in
Total parapet wall	0ft 0in
Total unspecified	196ft 3in
Hips + ridges	354ft 2in
Eaves + rakes	1016ft 8in

Pitch	5/12
Area (sqft)	9,934
Squares	99.4

Waste %	0%	10%	12%	15%	17%	20%	22%
Area (sqft)	9,934	10,927	11,125	11,423	11,622	11,920	12,119
Squares	99.4	109.3	111.3	114.3	116.3	119.2	121.2

These waste calculations offer a general guide to total roof size with some common waste percentages applied. A number of factors are involved in determining which waste percentage to use, including the complexity of the roof and individual roof application style.

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Florida Building Code 8th Edition (2023)

High Velocity Hurricane Zone Uniform Roofing Application Form for Miami-Dade County

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Section D (Steep Sloped Roof System)

Roof System Manufacturer: WestLake Roofing

Product Control Number: 24-1008.10

Minimum Design Wind Pressures, From Applicable RAS 127 Table or Calculations:

Zone1: -63 Zone 2: -101 Zone3: -120

Slope Range: ○ ≥ 2:12 to ≤ 4:12 ⊗ > 4:12 to ≤ 6:12 ○ > 6:12 to ≤ 12:12

Roof Shape: ○ All Hip Roof ⊗ Gable Roof or Partial Gable/Hip Roof

Deck Type: 5/8 Plywood

Underlayment Type: PolyAnchor UDL-15

Roof Slope: 5 : 12

Insulation: N/A

Fire Barrier: N/A

Ridge Ventilation? N/A

Fastener Type & Spacing: 1 1/4 R.S Nails 6" OC Seams 4" Field

Cap Sheet Type: TU MAX

Mean Roof Height: 25'

Cap Sheet Attachment: Self Adhered

Roof Covering: Villa 900 Concrete Tiles

Drip Edge Type & Size: 3x3 24GA Galv

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Section E (Tile Calculations)

For Moment based tile systems, choose Method 1. Compare the values for M_r with the values from M_f. If the M_f values are greater than or equal to the M_r values for each area of the roof, then the tile attachment method is acceptable.

Method 1* " Moment Based Tile Calculations per RAS 127"

Enter positive uplift pressures when using this table

(Zone 1: -63 x λ 0.315 = -19.84) – Mg: 7.34 = Mr_1 -27.18 Product Approval Mf: 46

(Zone 2: -101 x λ 0.315 = -31.81) – Mg: 7.34 = Mr_{2e} -39.15 Product Approval Mf: 46

(Zone 3: -120 x λ 0.315 = -37.8) – Mg: 7.34 = Mr_{2n} -45.14 Product Approval Mf: 46

Tile attachment method:

Alternate Tile attachment method :

Method 2 "Simplified Tile Calculations" only applicable in *Broward County.

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"

(Zone 1: _____ x L = _____ x W = _____) – (w) x cos θ _____) = Fr_1 _____ Product Approval F': _____

(Zone 2: _____ x L = _____ x W = _____) – (w) x cos θ _____) = Fr_2 _____ Product Approval F': _____

(Zone 3: _____ x L = _____ x W = _____) – (w) x cos θ _____) = Fr_3 _____ Product Approval F': _____

Where to obtain information		
Description	**Symbol**	**Where to Find**
Design Pressure	Zones 1, 2, & 3	From the applicable Table in RAS- 127 or be an engineering analysis prepared by a PE based upon ASCE 7
Mean Roof Height	H	Job Site
Roof Slope	θ	Job Site
Aerodynamic Multiplier	λ	Product Approval / Notice of Acceptance
Restoring Moment due to Gravity	M_g	Product Approval / Notice of Acceptance
Attachment Resistance	M_f	Product Approval / Notice of Acceptance
Required Moment Resistance	M_r	Calculated
Minimum Attachment Resistance	F'	Product Approval / Notice of Acceptance
Required Uplift Resistance	F_r	Calculated
Average Tile Weight	w	Product Approval / Notice of Acceptance
Tile Dimensions	L=Length W= Width	Product Approval / Notice of Acceptance
All calculations must be submitted to the Building Official at the time of permit application.		

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Detail by Entity Name

Florida Not For Profit Corporation
CELEBRATION POINT MASTER ASSOCIATION, INC.

Filing Information

Document Number	N15078
FEI/EIN Number	59-2657161
Date Filed	05/23/1986
State	FL
Status	ACTIVE

Principal Address

15517 Miami Lakeway N
Miami Lakes, FL 33014

Changed: 05/05/2026

Mailing Address

15517 Miami Lakeway N
Miami Lakes, FL 33014

Changed: 05/05/2026

Registered Agent Name & Address

Basulto Robbins & Associates, LLP
14160 NW 77 Court, Ste. 22
Miami Lakes, FL 33016

Name Changed: 06/14/2019

Address Changed: 06/14/2019

Officer/Director Detail

Name & Address

Title Director

Mesa, Marie
15517 Miami Lakeway N,
Miami Lakes, FL 33014

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Title VP

Iglesias, Zelma
15517 Miami Lakeway N
Miami Lakes, FL 33014

Title President

Penalba, Carmen
15517 Miami Lakeway North
MIAMI LAKES, FL 33014

Title Treasurer, Secretary

Guzman, Michelle
15517 Miami Lakeway N
Miami Lakes, FL 33014

Title Director

Rose, Patricia
15517 Miami Lakeway N
Miami Lakes, FL 33014

Annual Reports

Report Year	Filed Date
2025	04/17/2025
2026	04/15/2026
2026	05/05/2026

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

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Westlake Royal Roofing, LLC
7575 Irvine Center Drive, Suite 100
Irvine, CA 92618

SCOPE:

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

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (in Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.
This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Villa 900 Concrete Roof Tile

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

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

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

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

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

This NOA revises NOA# 22-0201.07 and consists of pages 1 through 9.
The submitted documentation was reviewed by Alex Tigera.

02/13/25

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ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub Category: Roofing Tiles
Material: Concrete

1. SCOPE

This renews a system using **Villa 900 Concrete Roof Tile**, as manufactured Westlake Royal Roofing, LLC in Lake Wales, FL and described in Section 2 of this Notice of Acceptance. For locations where the pressure requirements, as determined by applicable Building Code, do not exceed the design pressure values obtained by calculations in compliance with RAS 127 using the values listed in section 4 herein. The attachment calculations shall be done as a moment based system.

2. PRODUCT DESCRIPTION

Manufactured by Applicant	Dimensions	Test Specifications	Product Description
Roofing Villa 900	Length = 17" Width = 13" ½" thick	TAS 112 Type 1b Class III	Low profile, interlocking, high pressure extruded concrete roof tile equipped with three nail holes and double rolls. For direct deck, batten, mortar or adhesive set applications.
Trim Pieces	l = varies w = varies varying thickness	TAS 112	Accessory trim, concrete roof pieces for use at ridges, hips and rakes.

2.1 PRODUCTS MANUFACTURED BY OTHERS

Product Name	Product Description	Manufacturer (With Current NOA)
APOC® Polyset® RTA-1 (HFO)	Single component polyurethane foam roof tile adhesive.	ICP Construction, Inc.
APOC® Polyset® AH-160 (HFC)	Two component polyurethane foam adhesive.	ICP Construction, Inc.
APOC® Polyset® AH-160 (HFO1)	Two component polyurethane foam adhesive.	ICP Construction, Inc.
TILE BOND™ Roof Tile Adhesive	Single component polyurethane foam roof tile adhesive.	DuPont de Nemours, Inc.
"Tile Tite" Roof Tile Mortar	Premixed, pre-bagged roof tile mortar.	Bermuda Roof Co. Inc.
DAP StormBond® 2 Roof Tile Adhesive	Two component polyurethane foam adhesive.	DAP Global, Inc.
DAP StormBond® Roof Tile Adhesive	One component polyurethane foam adhesive.	DAP Global, Inc.

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2.2 MANUFACTURING LOCATION

2.2.1. Lake Wales, FL

2.3 EVIDENCE SUBMITTED

Test Agency	Test Identifier	Test Name/Report	Date
Nutting Engineers	13343.1	TAS 112	Apr. 2006
Redland Technologies	7161-03 Appendix III	Static Uplift Testing TAS 102 & TAS 102(A)	Dec. 1991
	7161-03 Appendix II	Wind Tunnel Testing TAS 108 (Nail-On)	Dec. 1991
	P0402	Withdrawal Resistance Testing of screw vs. smooth shank nails	Sept. 1993
The Center for Applied Engineering, Inc.	94-060B	Static Uplift Testing TAS 101 (Adhesive Set)	March, 1994
	94-084	Static Uplift Testing TAS 101 (Mortar Set)	May 1994
Redland Technologies	P0631-01	Wind Tunnel Testing TAS 108 (Mortar Set)	July 1994
	Letter Dated Aug. 1, 1994	Wind Tunnel Testing TAS 108 (Nail-On)	Aug. 1994
The Center for Applied Engineering, Inc.	Project No. 307025 Test #MDC-76	Wind Driven Rain TAS 100	Oct. 1994
	25-7183-1 25-7183-2	Static Uplift Testing TAS 102 (2 Quik-Drive Screws, Direct Deck)	Feb. 1995
	25-7214-2 25-7214-6	Static Uplift Testing TAS 102 (1 Quik-Drive Screw, Direct Deck) (1 Quik-Drive Screw, Battens)	March, 1995
Celotex Corporation Testing Services	528454-2-1 520109-2	Static Uplift Testing TAS 101	Sep. 1998 Dec. 1998
Walker Engineering, Inc.	Evaluation Calculations	25-7183	March 1995
	Evaluation Calculations	25-7094	February 1996
	Evaluation Calculations	25-7496	April 1996
	Evaluation Calculations	25-7584 25-7804b-8 25-7804-4 & 5 25-7848-6	December 1996
	Evaluation Calculations	Aerodynamic Multipliers	09/01/16
	Evaluation Calculations	Two Patty Adhesive Set System	April 1999
	Evaluation Calculations	Restoring Moment Due to Gravity	09/01/16
American Test Lab of South Florida	RT0617.02-16	TAS 112	06/29/16
	RT0503.02-21	TAS 112	05/12/21

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2.3 EVIDENCE SUBMITTED

Test Agency	Test Identifier	Test Name/Report	Date
PRI Construction Materials Technologies	COPO-002-02-11	Static Uplift Testing TAS 101 (Adhesive Set)	10/12/2016
	COPO-002-02-04	Static Uplift Testing TAS 101 (Adhesive Set)	10/12/2016
	COPO-002-02-03	Static Uplift Testing TAS 101 (Adhesive Set)	10/12/2016
	2002T003.02	TAS 101	11/06/20
NEMO ETC, LLC	4c-DPBS-20-LSOTM-01.C.R1	TAS 101	12/17/20
	4c-ICP-21-LSOTM-01.A	TAS 101	01/26/22
	4p-ICP-22-SSLAP-06.A	ASTM D1623	08/29/23
	4c-ICP-23-LSOTM-01.A	TAS 101	11/13/24

3. LIMITATIONS:

3.1 Fire classification is not part of this acceptance.

3.2 For mortar or adhesive set tile applications, a static field uplift test shall be performed in accordance with TAS 106.

3.3 Applicant shall retain the services of a Miami-Dade County Certified Laboratory to perform quarterly test in accordance with TAS 112, appendix 'A'. Such testing shall be submitted to the Building Code Compliance Office for review.

3.4 Minimum underlayment shall be in compliance with the applicable Roofing Applications Standards listed section 4.1 herein.

3.5 30/90 hot mopped underlayment applications may be installed perpendicular to the roof slope unless stated otherwise by the underlayment material manufacturers published literature.

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

4. INSTALLATION

4.1 Villa 900 Concrete Roof Tile and its components shall be installed in strict compliance with Roofing Application Standard RAS 118, RAS 119, and RAS 120.

4.2 Data For Attachment Calculations

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Table 1: Average Weight (W) and Dimensions (l x w)			
Tile Profile	**Weight-W (lbf)**	**Length-l (ft)**	**Width-w (ft)**
Villa 900 Concrete Tile	10.9	1.42	1.08

Table 2: Aerodynamic Multipliers - λ (ft^3)		
Tile Profile	**λ (ft^3) Batten Application**	**λ (ft^3) Direct Deck Application**
Villa 900 Concrete Tile	0.291	0.315

Table 3: Restoring Moments due to Gravity - M_g (ft.-lbf.)										
Tile Profile	**2":12"**	**3":12"**	**4":12"**		**5":12"**		**6":12"**		**7":12" or greater**	
Villa 900 Concrete Tile	Direct Deck	Direct Deck	Battens	Direct Deck	Battens	Direct Deck	Battens	Direct Deck	Battens	Direct Deck
	7.70	7.62	6.56	7.50	6.42	7.34	6.26	7.15	6.08	6.95

Table 4: Attachment Resistance Expressed as a Moment - M_f (ft-lbf) for Mechanically Fastened Systems				
Tile Profile	**Fastener Type**	**Direct Deck (min 15/32" plywood)**	**Direct Deck (min. 19/32" plywood)**	**Battens**
Villa 900 Concrete Tile	2-10d Ring Shank Nails	27.8	37.4	28.8
	1-10d Smooth or Screw Shank Nail	8.8	11.8	4.1
	2-10d Smooth or Screw Shank Nails	16.4	21.9	7.1
	1 #8 Screw	25.8	25.8	22.9
	2 #8 Screw	47.1	47.1	49.1
	1-10d Smooth or Screw Shank Nail (Field Clip)	24.3	24.3	24.2
	1-10d Smooth or Screw Shank Nail (Eave Clip)	19.0	19.0	22.1
	2-10d Smooth or Screw Shank Nails (Field Clip)	35.5	35.5	34.8
	2-10d Smooth or Screw Shank Nails (Eave Clip)	31.9	31.9	32.2

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Table 5: Attachment Resistance Expressed as a Moment M_f (ft.-lbf) for Two Patty Adhesive[1] Set Systems			
Tile Profile: Villa 900 Concrete Tile			
Tile Application	**Paddy weight**	**Adhesive Contact Area**	**Minimum Attachment Resistance**
TILE BOND™ Roof Tile Adhesive – (Interdependent)	12.5 grams each	16 in^2 per paddy	35
TILE BOND™ Roof Tile Adhesive – (Independent)	25 grams each	8 in^2	67
APOC® Polyset® AH-160 (HFC & HFO1)	8 grams each	-	26
DAP StormBond® 2 Roof Tile Adhesive	8 grams each	-	55
DAP StormBond® 2 Roof Tile Adhesive	8 grams to underlayment	-	72
	5 grams at headlap	-	
APOC® Polyset® RTA-1 (HFO)	12 grams to underlayment	(4" x 3") 12 in^2	71
	10 grams at headlap	(1" x 8") 8 in^2	
1 See manufacturer component approval for installation requirements.			

Table 6: Attachment Resistance Expressed as a Moment - M_f (ft-lbf) for Single Patty Adhesive[2] Set Systems			
Tile Profile: Villa 900 Concrete Tile			
Tile Application	**Paddy weight**	**Adhesive Contact Area**	**Minimum Attachment Resistance**
APOC® Polyset® AH-160 (HFC & HFO1)	54 grams each	-	87
APOC® Polyset® AH-160 (HFC & HFO1)	24 grams each	-	46
DAP StormBond® 2 Roof Tile Adhesive	30 grams each	-	40
DAP StormBond® 2 Roof Tile Adhesive	60 grams each	-	70
2 See manufacturer component approval for installation requirements.			

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Table 7: Attachment Resistance Expressed as a Moment - M_f (ft-lbf) for Mortar Set Systems		
Tile Profile	**Tile Application**	**Attachment Resistance**
Villa 900 Concrete Tile	Mortar Set[3]	21
3 Bermuda Roof Co. Inc. Tile-Tite Roof Tile Mortar.		

Table 8: Attachment Resistance Expressed as a Moment Mf (ft.-lbf) for Hybrid Attachment (Adhesive[4] and Mechanical)			
Tile Profile: Villa 900 Concrete Tile			
Tile Application	**Paddy weight**	**Adhesive Contact Area**	**Minimum Attachment Resistance**
Two (2) #8 Screws and APOC® Polyset® RTA-1 (HFO)	11 grams at headlap	-	63
4 See manufacturer component approval for installation requirements.			

5. LABELING

5.1 All tiles shall bear the imprint or identifiable marking of the manufacturer's name or logo as detailed below, or following statement: "Miami-Dade County Product Control Approved".



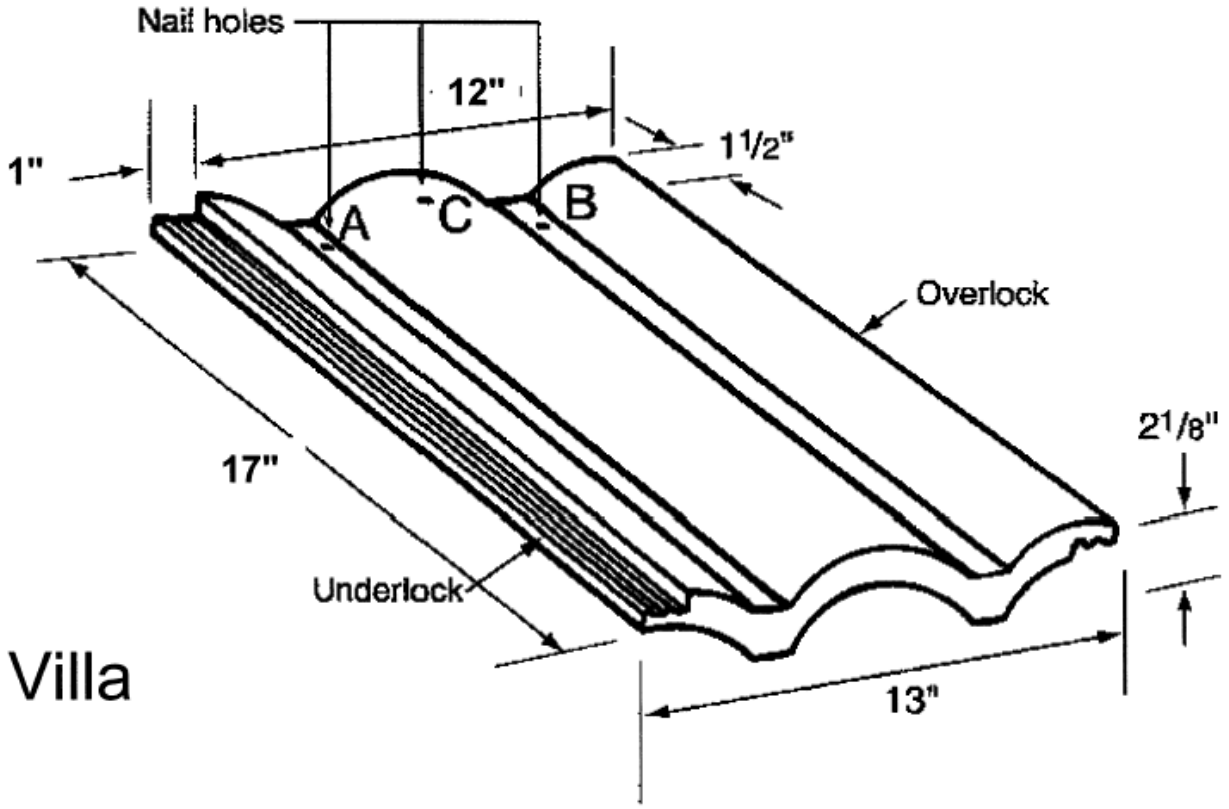
LABEL FOR BORAL VILLA 900 CONCRETE TILE
(LOCATED ON THE UNDERSIDE OF TILE)

6. BUILDING PERMIT REQUIREMENTS:

6.1 Application for building permit shall be accompanied by copies of the following:
- **6.1.1** This Notice of Acceptance.
- **6.1.2** Any other documents required by Building Official or Applicable building code in order to properly evaluate the installation of this system.

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Examiner Date Time Stamp Trade Stamp Name
CASTRO, ORESTES 7/27/2026 9:47:02 AM DASB VOID

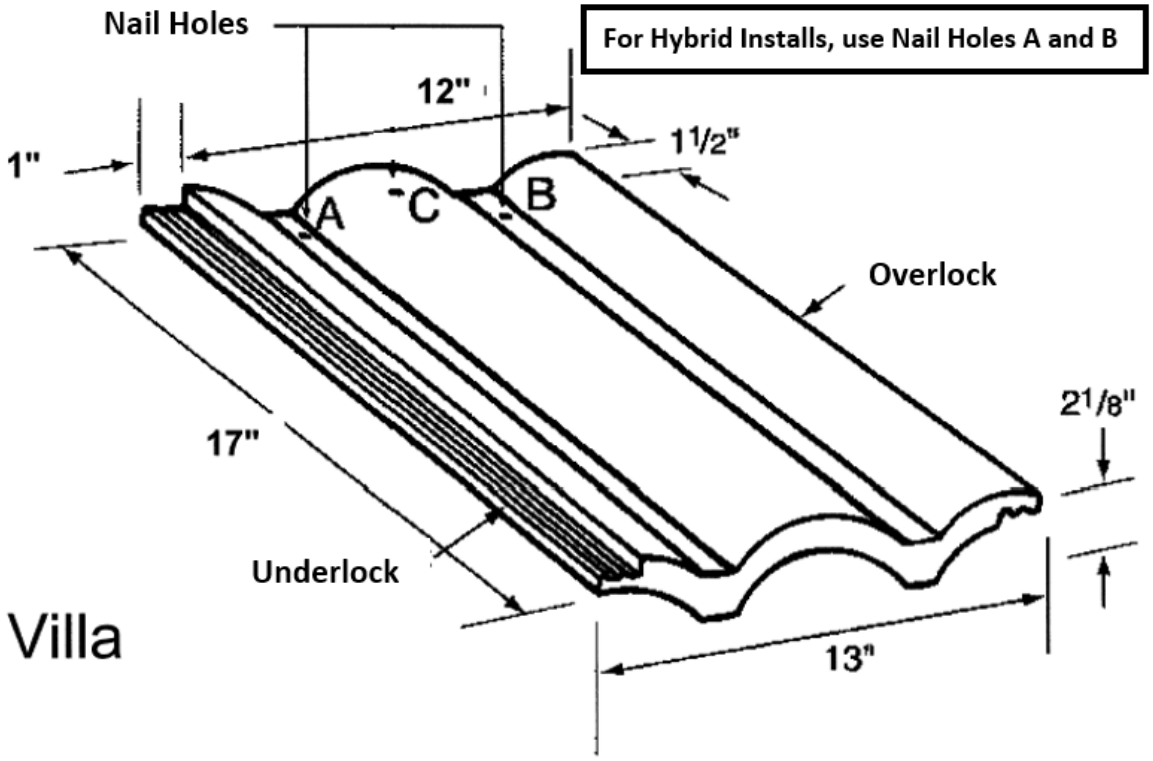
PROFILE DRAWING



VILLA 900 CONCRETE ROOF TILE

MIAMI-DADE COUNTY APPROVED
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DETAIL A



END OF THIS ACCEPTANCE

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Roofingra @ gmail. com

NOTE: ALL SHEETS MUST BE REVIEWED

MIAMI-DADE COUNTY DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

Herbert S. Saffir Permitting and Inspection Center

11805 SW 26th Street (Coral Way) • Miami, Florida 33175-2474 • (786) 315-2000

APPLICATION FOR MUNICIPAL PERMIT APPLICANTS THAT REQUIRE PLAN REVIEW FROM MIAMI-DADE FIRE RESCUE AND/OR ENVIRONMENTAL SERVICES

M2026020831 RFC2026 1902 3226020831

PROVIDE MUNICIPAL PROCESS NUMBER HERE

LOCATION OF IMPROVEMENTS

Job Address: 15569 Miami Lakeway N.
Folio: 32-2013-019-0011
Lot: _____ Block: _____
Subdivision: Miami Lakes Eagle Ridge S PBpg 127-93
Metes and bounds: _____

CONTRACTOR INFORMATION

Contractor No.: CCC 1328459
Last four (4) digits of Qualifier No.: 1510
Contractor Name: Roofing and Construction Corp
Qualifier Name: Ezequiel Romero
Address: 1111 SW 21st Ave B18
City: Ft Lauderdale State: FL Zip: 33312

TYPE OF IMPROVEMENTS

- [ ] New Construction on Vacant Land
- [ ] Alteration Interior
- [ ] Alteration Exterior
- [ ] Relocation of Structure
- [ ] Enclosure
- [ ] Repair
- [ ] Repair Due to Fire
- [ ] Demolish
- [ ] Shell Only
- [ ] Addition Attached
- [ ] Addition Detached
- [✓] Re-Roof
- [ ] Foundation Only
- [ ] Tent

Current use of property: Residential
Description of Work: Re-Roof Tile
Sq. Ft.: 9933 Units: _____ Floors: 3
Value of Work: $90,000

PERMIT TYPE

- [✓] MBLD* Category 107
- [ ] MELE
- [ ] MPLU
- [ ] MLPG
- [ ] MMEC
- [ ] FIRE

REVIEW STATUS

- [ ] Chg. Contractor
- [ ] Re-Issue
- [ ] Re-Stamp
- [ ] Revision
- [ ] Not Applicable for Fire

PROPERTY OWNER'S INFO

Owner: Celebration Point Master Association, Inc
Address: 15517 Miami Lakeway N.
City: Miami Lakes State: FL Zip: 33014
Phone: 305-825-9413
Last four (4) digits of Owner's Social Security No.: 5517

PERMIT CONTACT

Name: N/A
Address: _____
City: _____ State: _____ Zip: _____
Phone: _____

ARCHITECT / ENGINEER

Owner: N/A
Address: _____
City: _____ State: _____ Zip: _____
Phone: _____

FIRE SPECIAL REQUEST PLAN REVIEW (SRI)

I am requesting a Special Request Plan Review (SRI) to be scheduled as soon as possible. There is a minimum charge of one-hour. Please contact the Fire Department for current rate.

1st Request: _____ Date: _____
2nd Request: _____ Date: _____
3rd Request: _____ Date: _____

If the applicant is a known named violator with: unpaid civil penalties; unpaid administrative costs of hearing; unpaid County investigative, enforcement, testing, or monitoring costs; or unpaid liens, any or all of which are owed to Miami-Dade County pursuant to the provisions of the Code of Miami-Dade County, Florida, a hold on the review may be placed on this application.

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MDC PERMIT APP.pdf
Examiner Date Time Stamp Trade Stamp Name
CASTRO, ORESTES 7/27/2026 9:47:07 AM DASB Approved

Florida Department of Environmental Protection
Division of Air Resource Management
NOTICE OF RENOVATION OR DEMOLITION FORM

1. Applicability.
Is this project for a residential dwelling exempt from notification requirements (see instructions)? ☐ Yes ■ No
If yes, notification is not required. A "courtesy" notification may be submitted with no fee.

2. Threshold.
Does this project involve more than the "threshold amount of RACM" (see instructions)? ■ Yes ☐ No
If no, and this is a renovation project, notification is not required. A "courtesy" notification may be submitted with no fee.

3. Type of Notice (check one).: ■ **Original** ☐ **Revised** ☐ **Cancellation** ☐ **Courtesy**
If Revised or Cancellation, enter the previous Notification Number: _____

4. Type of Project (check one).: ☐ **Demolition** ■ **Renovation**
If Demolition: Was it ordered by state or local government due to danger of imminent collapse? ☐ Yes ■ No
If Renovation: Is it an emergency renovation operation? ☐ Yes ■ No
Is it a planned (annual) renovation operation? ☐ Yes ■ No

5. Facility Location.
Facility Name: Celebration Point Master Association, Inc Site Name (see instructions): _____
Address Line 1: 15569 Miami Lakeway N Address Line 2: _____
City: Miami Lakes State: FL Zip Code: 33014 County: USA

6. Facility Owner.
Facility Owner Name: Celebration Point Master Association, Inc E-mail (optional): celebration@npmassociation.com
Mailing Address Line 1: 15517 Miami Lakeway N Address Line 2: _____
City: Miami Lakes State: FL Zip Code: 33014 Phone: 305-825-9413

7. Facility Details.
Asbestos Consultant Inspecting Site: _____ Asbestos Consultant License Number: _____
Building Size (Sq. Ft.): 9933 Number of Floors: 3 Building Age (in Years): 1989
Survey Attached? ☐ Yes ■ No

Present Use:	Prior Use:
☐ Institutional, Commercial, Industrial	☐ Institutional, Commercial, Industrial
☐ Residential (exempt; see instructions)	☐ Residential (exempt; see instructions)
■ Residential (non-exempt; see instructions)	☐ Residential (non-exempt; see instructions)
☐ School/College/University	☐ School/College/University
☐ Other _____	☐ Other _____

8. Contractor Contact Information. This is the contractor responsible for this project.
Company Name: Roofing and Construction Corp Licensed Asbestos Contractor? ☐ Yes ■ No
Individual Contact: Ezequiel Romero E-mail (optional): roofingra@gmail.com
Address Line 1: 1111 SW 21st Ave Address Line 2: B18
City: Ft Lauderdale State: FL Zip Code: 33312 Phone: 954-638-4580
Contractor License Number: CCC 1328459 ☐ Exempt from Asbestos Licensure under 469.002(2), (3) or (4), F.S.

9. Scheduled Dates. Asbestos Removal (If RACM will be removed): Start: 8/3/26 Finish: 8/7/26
Demolition or Renovation: Start: 8/3/26 Finish: 8/7/26

10. Project Descriptions.
Describe affected facility components Re-Roofing Tile
Describe the demolition or renovation work to be performed: Remove existing tile roofing system and install new concrete tile roofing system.

Demolition or renovation methods and techniques to be used:
■ Strip and Removal ☐ Bulldozer ☐ Wrecking Ball ☐ Implode ☐ Burn Down ☐ other (specify)_____
Work practices and engineering controls to be used (Note: Dry Method requires DEP approval prior to asbestos removal)
■ Wet Method ☐ Dry Method ☐ Glove Bag ☐ other (specify)_____

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Florida Department of Environmental Protection
Division of Air Resource Management
NOTICE OF RENOVATION OR DEMOLITION FORM

11.RACM or ACM Descriptions.

Describe the procedure, including analytical methods, employed to detect the presence of RACM and Category I and II nonfriable ACM. Assume positive for asbestos

Enter the applicable amount(s)	RACM to be removed	Nonfriable CAT I ACM to be Removed	Nonfriable CAT II ACM to be Removed
Linear feet of pipe wrap:			
Square feet of surfacing material*:			
Square feet of cementitious material:	9933		
Square feet resilient floor covering:			
Square feet asphalt roofing:			
Square feet of other materials*:	9933		
Cubic feet off facility components*:			

*Identify and describe surfacing material and other materials, as applicable. Roofing Modified Paper

Describe procedure to be followed if unexpected RACM is found or Category II nonfriable ACM becomes crumbled, pulverized, or reduced to powder. Stop work, Notify DERM at 305-372-6925

12. Waste Transporter.

Name: Roofing and Construction Corp
Address: 1111 SW 21st Ave
City: Ft Lauderdale State: FL Zip Code: 33312
E-mail (optional): roofingra@gmail.com
Phone: 954-638-4580

13. Waste Disposal Site.

Name: Medley Landfill
Address: 9350 NW 89th Ave
City: Medley State: FL Zip Code: 33032

14. Notification Fee and Payment.

Is this project located at a county owned or operated facility? ☐ Yes ■ No

Fee Type (Check One):

☐ Project is not in Broward, Hillsborough, Miami-Dade, Orange, Palm Beach, Pinellas, or Sarasota; or is a county-owned facility in any county:
- ☐ No fee: School, courtesy, or previously paid,
- ☐ $200 fee enclosed, or
- ☐ $200 Invoice.
- ☐ $100 ONLY if fee is paid at the time of notification submittal through the ESSA Business Portal.

■ Project is in Broward, Hillsborough, Miami-Dade, Orange, Palm Beach, Pinellas, or Sarasota; and is not a county-owned facility. You will be invoiced by the local program office according to their local fee schedule.

Invoice to be sent to:
- ☐ the Facility Owner listed on this form;
- ■ the Contractor listed on this form; or
- ☐ the following 3rd Party:

Name:
Address Line 1:
Address Line 2:
City: State: Zip Code:
E-mail (optional):
Phone:

15. Certification.

I certify that no RACM shall be stripped, removed, or otherwise handled or disturbed at a regulated facility unless at least one on-site representative, trained in the provisions of 40 CFR Part 61, Subpart M, is present, and evidence that the required training has been completed is posted and made available for inspection at the demolition or renovation site.

Ezequiel Romero
Print Name of Owner/Operator

Signature of Owner/Operator

7/22/2026
Date

DEP USE ONLY	Postmark/Date Received	ID#

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NEMO|etc.
Certificate of Authorization #32455
353 Christian Street, Unit #13
Oxford, CT 06478
(203) 262-9245

ENGINEER TEST CONSULT

P.E. EVALUATION REPORT (PEER)

Polyglass USA, Inc.
1111 West Newport Center Drive
Deerfield Beach, FL 33442
(954) 233-1330

PEER-PLYG-002.B.R19
FL5259-R50 (HVHZ)
Date of Issuance: 12/21/2020
Revision 19: 12/11/2025

SCOPE:
This P.E. Evaluation Report (henceforth 'PEER') is issued under **Rule 61G20-3** and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for compliance with the **8th Edition (2023) Florida Building Code, High Velocity Hurricane Zone** sections noted herein.

DESCRIPTION: Polyglass Roof Underlayments (HVHZ)

LABELING: Labeling shall be in accordance with the requirements the Accredited Quality Assurance Agency noted herein and FBC 1518.2.

CONTINUED COMPLIANCE: This PEER is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our PEERs by the named applicant constitutes agreement to notify NEMO ETC, LLC of any changes to the product(s), the Quality Assurance or the production facility location(s). NEMO ETC, LLC requires a complete review of its PEER relative to updated Code requirements with each Code Cycle.

ADVERTISEMENT: "NEMO P.E. Evaluated" may be displayed in advertising literature. If any portion of the PEER is displayed, then it shall be in its entirety.

INSPECTION: Upon request, a copy of this entire PEER 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 PEER consists of pages 1 through 12.

Prepared by:

ROBERT NIEMINEN
LICENSE
NO. 59166
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

CERTIFICATION OF INDEPENDENCE:
1. NEMO ETC, LLC does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
2. NEMO ETC, LLC is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
3. Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the PEERs are being issued.
4. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.
5. This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this PEER, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

©2019 NEMO ETC, LLC

2023 FBC HVHZ

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ROOFING COMPONENT EVALUATION:

1. SCOPE:

Product Category: Roofing
Sub-Category: Underlayment
Product Approval Method: Method 1, Option D – Codified Material, Evaluation by Engineer
Compliance Statement: **Roof Underlayments**, as produced by **Polyglass USA, Inc.**, have demonstrated compliance with the following sections of the **8th Edition (2023) Florida Building Code, High Velocity Hurricane Zone** through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations of Use set forth herein.

2. STANDARDS:

SECTION	PROPERTY	STANDARD
1515.2.4	Impact Resistance	ASTM D3746
TAS 110	Material standard	ASTM D226, D2626, D4601
TAS 110	Material standard	ASTM D1970
TAS 110	Accelerated Weathering	ASTM D4798
TAS 110	Material standard	ASTM D6163, D6164, D6222, D6509
TAS 110	Material standard	TAS 103

3. REFERENCES:

ENTITY	EXAMINATION	REFERENCE	DATE	ENTITY	EXAMINATION	REFERENCE	DATE
ERD (TST 6049)	TAS 103 / TA-LTA	P46520.10.14	10/03/14	NEMO (TST6049)	Criticality	4j-PLYG-23-SSMBB-05.B	08/31/23
ERD (TST 6049)	TAS 103	P44360.10.14-R1	10/07/14	NEMO (TST6049)	ASTM D1623, TAS 103	4j-PLYG-23-SSMBB-04.A	12/12/23
ERD (TST 6049)	TAS 103	PLYG-SC7550.03.15	03/24/15	NEMO (TST6049)	ASTM D1623, TAS 103	4j-PLYG-23-SSMBB-03.A	02/08/24
ERD (TST 6049)	ASTM D1623, TAS 103	PLYG-SC10130.06.16-2	06/27/16	NEMO (TST6049)	ASTM D6164	4q-PLYG-22-SSMBB-01.E	06/17/24
ERD (TST 6049)	ASTM D1970, D4798	PLYG-SC10130.06.16-1	06/27/16	NEMO (TST6049)	ASTM D1970, D4798	4j-PLYG-SSUDL-003.A	08/08/24
ERD (TST 6049)	TAS 103	PLYG-SC10130.06.16-3	06/27/16	NEMO (TST6049)	ASTM D1970	4j-PLYG-SSUDL-004.A	01/24/25
ERD (TST 6049)	ASTM D1970, D4798	PLYG-SC8080.07.16	07/29/16	NEMO (TST6049)	ASTM D1970	4j-PLYG-SSUDL-008.A	04/07/25
ERD (TST 6049)	TAS 103 (tile slippage)	PLYG-SC13040.12.16	12/27/16	NEMO (TST6049)	ASTM D1970	4j-PLYG-SSUDL-013	08/20/25
ERD (TST 6049)	TAS 103 (tile slippage)	PLYG-SC12115.08.17	08/08/17	NEMO (TST6049)	TAS 103	4j-PLYG-SSUDL-007	10/20/25
ERD (TST 6049)	TAS 103	PLYG-SC13035.08.17	10/31/17	NEMO (TST6049)	TAS 103 / TA-LTA	4j-PLYG-SSUDL-011	10/20/25
NEMO (TST 6049)	ASTM D1970	4-PLYG-18-004.03.18	03/29/18	PRI (TST5878)	ASTM D4601	MSA-039-02-03	09/27/17
NEMO (TST 6049)	ASTM D1623, TAS 103	4S-ICP-18-001.07.18-R1	07/23/18	PRI (TST5878)	ASTM D1623, TAS 103	DAPF-002-01	03/08/18
NEMO (TST 6049)	ASTM D6163	4S-PLYG-18-002.01.19-A	01/24/19	ERD (TST 6049)	Wind Uplift	11757.04.01-1-R1	04/25/01
NEMO (TST 6049)	ASTM D6222	4S-PLYG-18-002.05.19-C	05/20/19	ERD (TST 6049)	Wind Uplift	11757.08.01-1	08/13/01
NEMO (TST6049)	TAS 103	4S-PLYG-18-004.10.19.G	10/08/19	ERD (TST 6049)	Wind Uplift	11776.06.02	01/16/03
NEMO (TST 6049)	TAS 103	4S-PLYG-18-004.10.19-G	10/08/19	ERD (TST 6049)	Wind Uplift	P1740.01.07	01/04/07
NEMO (TST 6049)	TAS 103	4S-PLYG-18-004.10.19-I	10/08/19	ERD (TST 6049)	Wind Uplift	P1738.02.07-R2	02/05/07
NEMO (TST 6049)	TAS 103	4S-PLYG-18-004.10.19-L	10/09/19	ERD (TST 6049)	Wind Uplift	P9260.03.08	03/21/08
NEMO (TST 6049)	TAS 103	4S-PLYG-18-004.12.19-F	12/18/19	ERD (TST 6049)	Wind Uplift	P30540.11.09-R1	11/23/09
NEMO (TST 6049)	TAS 103	4j-PLYG-19-SSUDL-02.A	01/02/20	ERD (TST 6049)	TAS 117(B), TAS 114(C)	P11030.11.09-2	11/30/09
NEMO (TST 6049)	ASTM D6222	4S-PLYG-18-002.12.19-K-R1	01/07/20	ERD (TST 6049)	Wind Uplift	P41630.08.13	08/06/13
NEMO (TST 6049)	ASTM D1970, D4798	4S-PLYG-18-004.01.20.H	01/14/20	ERD (TST 6049)	Wind Uplift	P11751.05.03-R1	11/26/13
NEMO (TST 6049)	ASTM D1970, D4798	4S-PLYG-18-004.01.20.K	01/14/20	ERD (TST 6049)	Wind Uplift	P11781.11.03-R1	11/26/13
NEMO (TST 6049)	ASTM D6164	4S-PLYG-18-004.01.20.B	01/16/20	ERD (TST 6049)	Wind Uplift	PLYG-SC8905.05.16-1	05/17/16
NEMO (TST 6049)	TAS 103 (tile slippage)	4S-PLYG-18-004.01.20.A	01/16/20	ERD (TST 6049)	UL1897	PLYG-SC12025.10.16	10/12/16
NEMO (TST 6049)	ASTM D1623, TAS 103	4p-DOW-19-SSLAP-01.A-R2	02/10/20	FM (TST 1867)	Wind Uplift	FM 3004091	01/12/00
NEMO (TST 6049)	TAS 103	PLYG-SC15855.05.20.A	05/29/20	FM (TST1867)	FM 4470/4474	PR454230 (DATA)	01/26/22
NEMO (TST 6049)	ASTM D6222	4q-PLYG-19-SSMBB-05.A	07/23/20	NEMO (TST 6049)	Wind Uplift	4L-PLYG-18-003.01.19	01/11/19
NEMO (TST 6049)	ASTM D4798, D1623	4j-PLYG-19-SSUDL-05.A	09/10/20	NEMO (TST6049)	UL1897	4a-PLYG-23-LSWUS-05.A	09/01/23
NEMO (TST 6049)	ASTM D1970	4j-PLYG-20-SSUDL-05.A	09/30/20	Polyglass USA	Materials Affidavit	Polystick Compound	08/18/11
NEMO (TST 6049)	TAS 103	4j-PLYG-20-SSUDL-05.C	09/30/20	Polyglass USA	Materials Affidavit	Polystick Compound	01/13/21
NEMO (TST 6049)	TAS 103	4j-PLYG-20-SSUDL-01.B	10/21/20	Polyglass USA	SOPE	TFRM-0045	01/02/24
NEMO (TST 6049)	TAS 103	4j-PLYG-20-SSUDL-11.A	10/21/20	PRI (TST5878)	UL1897	708T0058-1	01/13/21
NEMO (TST 6049)	ASTM D1970, D4798	4S-PLYG-18-004.12.19.D	10/27/20	PRI (TST5878)	UL1897	708T0058-6	02/17/21
NEMO (TST 6049)	TAS 103	4j-PLYG-19-SSUDL-01.A	11/18/20	PRI (TST5878)	UL1897	708T0058-7	02/25/21
NEMO (TST 6049)	ASTM D1623, TAS 103	4p-ICP-20-SSLAP-01.A	12/15/20	PRI (TST5878)	UL1897	708T0193.4	06/13/23
NEMO (TST 6049)	ASTM D1623, TAS 103	4p-ICP-20-SSLAP-03.A-R1	03/04/21	PRI (TST5878)	UL1897	708T0193.1	06/15/23
NEMO (TST 6049)	ASTM D4798, D1623	4j-PLYG-20-SSUDL-13.A	03/15/21	PRI (TST5878)	UL1897	708T0193.2	06/15/23
NEMO (TST 6049)	ASTM D1623, TAS 103	4j-PLYG-20-SSUDL-07.A	10/29/21	PRI (TST5878)	UL1897	708T0193.3	06/15/23
NEMO (TST 6049)	ASTM D1623, TAS 103	4j-PLYG-20-SSUDL-09.A	10/29/21	PRI (TST5878)	UL1897	708T0167.1	06/20/23

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Entity	Examination	Reference	Date
NEMO (TST 6049)	ASTM D1970, D4798	4j-PLYG-21-SSUDL-03.A	10/29/21
NEMO (TST 6049)	ASTM D1970	4j-PLYG-21-SSUDL-04.B	01/17/22
NEMO (TST6049)	ASTM D1970	4j-PLYG-21-SSUDL-09.A	02/14/22
NEMO (TST 6049)	ASTM D1970, D4798	4j-PLYG-21-SSUDL-03.A	04/21/22
NEMO (TST 6049)	TAS 103	4j-PLYG-21-SSUDL-04.A.R1	07/05/22
NEMO (TST 6049)	ASTM D1970	4j-PLYG-22-SSUDL-01.A	09/08/22
NEMO (TST 6049)	ASTM D1970	4j-PLYG-22-SSUDL-02.A	09/08/22
NEMO (TST 6049)	ASTM D4798, D3746	4j-PLYG-22-SSUDL-06.A	06/14/23
NEMO (TST 6049)	TAS 103	4j-PLYG-22-SSUDL-01.B	03/31/23
NEMO (TST6049)	ASTM D6509	4q-PLYG-22-SSMBB-01.A	06/14/23
NEMO (TST6049)	ASTM D6164	4q-PLYG-22-SSMBB-01.D	07/28/23
NEMO (TST6049)	ASTM D226, D2626	4j-PLYG-23-SSMBB-05.A	08/31/23

Entity	Examination	Reference	Date
PRI (TST5878)	UL1897	708T0167.2	06/20/23
PRI (TST5878)	UL1897	708T0168.1	06/20/23
PRI (TST5878)	UL1897	708T0227.1	11/06/23
PRI (TST5878)	UL1897	708T0234.3	01/18/24
PRI (TST5878)	UL1897	708T0235.3	01/19/24
PRI (TST5878)	UL1897	708T0227.2-1	02/12/24
PRI (TST5878)	UL1897	708T0247.4	04/05/24
NEMO	Traceability	SPE	08/14/25
UL (QUA9625)	Traceability	ML File R14571	05/13/14
UL (QUA9625)	Quality Control	Service Confirmation	04/30/25
UL (QUA9625)	Quality Control	Florida BCIS	Current

4. PRODUCT DESCRIPTION:

TABLE 1: EVALUATED UNDERLAYMENTS

Product	Material Standard	Plant(s)	Description
Elastobase V	ASTM D6163	FL	Fiberglass-reinforced, SBS modified bitumen base sheet
Elastobase P	ASTM D6164	FL	Polyester-reinforced, SBS modified bitumen base sheet
Elastoflex S6 G	ASTM D6164 TAS 103 (partial)	FL, PA	Polyester-reinforced, SBS modified bitumen cap sheet
Elastoflex S6 G FR	ASTM D6164 TAS 103 (partial)	FL	Polyester-reinforced, SBS modified bitumen cap sheet
Elastoflex SA V Flashing Strips	ASTM D1970	NV	Sef-adhering, fiberglass-reinforced, SBS modified bitumen flashing strips
HydraGuard Omni Pro	ASTM D1970 FRSA/TRI, TAS 103	FL, NV, PA, TX, Ponte di Piave TV (Italy)	Nominal 60-mil thick rubberized asphalt waterproofing membrane, glass fiber reinforced, surfaced with polyolefinic film surface
HydraGuard Shield Pro	ASTM D1970 FRSA/TRI, TAS 103	FL, PA, TX	Nominal 60-mil thick rubberized asphalt waterproofing membrane with a 190 g/m^2 polyester fabric surface
PolyAnchor HV	ASTM D226, D2626	Serbia	Nominal 55-mil thick, modified bitumen, glass-mat reinforced nailable anchor sheet and roof underlayment
Polyflex G	ASTM D6222 TAS 103 (partial)	FL	Polyester-reinforced, APP modified bitumen cap sheet
Polyflex G FR	ASTM D6222 TAS 103 (partial)	FL	Polyester-reinforced, APP modified bitumen cap sheet
Polyflex SA P	ASTM D6222 TAS 103 (partial)	FL, TX	Polyester-reinforced, APP modified bitumen cap sheet
Polyflex SA P FR	ASTM D6222 TAS 103 (partial)	FL, TX	Polyester-reinforced, APP modified bitumen cap sheet
Polybase V	ASTM D6509	FL	Fiberglass-reinforced, APP modified bitumen base sheet
Polystick IR-Xe	ASTM D1970	FL, PA, TX	Nominal 60-mil thick rubberized asphalt waterproofing membrane, glass fiber reinforced, with an aggregate surface
Polystick MTS Plus	ASTM D1970 TAS 103	FL, NV, PA, TX, Ponte di Piave TV (Italy)	Nominal 60-mil thick rubberized asphalt waterproofing membrane, glass fiber reinforced, surfaced with poly-film surface
Polystick MX[1]	ASTM D1970	FL, PA, TX	Nominal 55-mil thick dual-layer rubberized asphalt waterproofing membrane, fiberglass reinforced, with a polypropylene film surface

[1] *Product has been found through comparative testing to have a lesser coefficient of friction than ASTM D226 roofing felt in a dry condition, tested at standard laboratory conditions. Agreement between purchaser and seller, as set forth in Section 4.3, Note 1 of ASTM D1970-17, should be established as to slip resistance*

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TABLE 1: EVALUATED UNDERLAYMENTS			
PRODUCT	MATERIAL STANDARD	PLANT(S)	DESCRIPTION
Polystick P HT (fka, Polystick P)[2]	ASTM D1970	TX	Nominal 40-mil thick SBS rubberized asphalt waterproofing membrane, non-reinforced, with a polyolefin composite film surface
Polystick PX HT[2]	ASTM D1970	PA, TX	Nominal 40-mil thick SBS rubberized asphalt waterproofing membrane, non-reinforced, with a polyolefin composite film surface
Polystick TU Max	ASTM D1970 TAS 103	FL, PA, TX	Nominal 60-mil thick rubberized asphalt waterproofing membrane with a 190 g/m^2 polyester fabric surface
Polystick TU P	TAS 103	FL, PA, TX	Nominal 130-mil thick rubberized asphalt waterproofing membrane, glass-fiber/polyester reinforced, with a granular surface
Polystick TU Plus	ASTM D1970 TAS 103	FL, PA, TX, Ponte di Piave TV (Italy)	Nominal 80-mil thick rubberized asphalt waterproofing membrane, glass fiber reinforced, with a polyester fabric surface
Polystick XFR	ASTM D1970 TAS 103	NV, TX	Nominal 80-mil thick rubberized asphalt waterproofing membrane, glass fiber reinforced, surfaced with a textured film surface
Polystrip SA	ASTM D1970	TX	Nominal 40-mil, self-adhering, non-reinforced, SBS modified bitumen flashing strips

5. LIMITATIONS:

5.1 This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this PEER, or previous versions thereof, is/was used for permitting or design guidance. PEERs are not to be construed as representing any attributes not specifically listed, nor are PEERs to be construed as an endorsement of the subject, or a recommendation for its use. There is no warranty by NEMO ETC, LLC or Robert Nieminen, P.E., express or implied, as to any finding or other matter in this PEER, or as to any product covered by the PEER.

5.2 This PEER is exclusively for use in FBC High Velocity Hurricane Zone jurisdictions, as defined in FBC Chapter 2 (Broward and Miami-Dade Counties).

5.3 This PEER pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.

5.4 This PEER does not include evaluation of fire classification. Refer to **FBC 1516** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.

5.5 **Polyglass Roof Underlayments** may be used with any prepared roof cover where the product is specifically referenced within FBC approval documents. If not listed, a request may be made to the Authority Having Jurisdiction for approval based on this evaluation combined with supporting data for the prepared roof covering.

[2] *Product has been found through comparative testing to have a lesser coefficient of friction than ASTM D226 roofing felt in a dry condition, tested at standard laboratory conditions. Agreement between purchaser and seller, as set forth in Section 4.3, Note 1 of ASTM D1970-17, should be established as to slip resistance*

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5.6 Allowable Roof Covers:

TABLE 2: ROOF COVER OPTIONS						
FBC HVHZ:	RAS 115 1518.2.1	RAS 118, 119 & 120		RAS 133 1518.2.1	1518.2.1	RAS 130 1518.10
UNDERLAYMENT	ASPHALT SHINGLES	CLAY AND CONCRETE TILE		METAL	SLATE OR SLATE-TYPE SHINGLES	WOOD
		MECHANICAL ATTACH	ADHESIVE-SET			
Elastobase V	Yes (Alternate to D226, Type II)	Yes (as Base Sheet, See Table 4B)	Yes (as Base Sheet, See Table 4B)	Yes (Alternate to D226, Type II)	Yes (Alternate to D226, Type II)	Yes (Alternate to D226, Type II)
Elastobase P	Yes (Alternate to D226, Type II)	No	No	Yes (Alternate to D226, Type II)	Yes (Alternate to D226, Type II)	Yes (Alternate to D226, Type II)
PolyAnchor HV	Yes (Alternate to D226, Type II)	Yes (as Base Sheet, See Table 4B)	Yes (as Base Sheet, See Table 4B)	Yes (Alternate to D226, Type II)	Yes (Alternate to D226, Type II)	Yes (Alternate to D226, Type II)
Polybase V	No	Yes (as Base Sheet, See Table 4B)	Yes (as Base Sheet, See Table 4B)	No	No	No
Polyglass G2 Base	No	Yes (as Base Sheet, See Table 4B)	Yes (as Base Sheet, See Table 4B)	No	No	No
Elastoflex S6 G	No	Yes	Yes (Table 2A)	No	No	No
Elastoflex S6 G FR	No	Yes	No	No	No	No
HydraGuard Omni Pro	Yes	Yes	No	Yes	Yes	Yes (Valley Liner)
HydraGuard Shield Pro	No	Yes	Yes (Table 2A)	Yes	No	Yes (Valley Liner)
Polyflex G	No	Yes	No	No	No	No
Polyflex G FR	No	Yes	No	No	No	No
Polyflex SA P	No	Yes	Yes (Table 2A)	No	No	No
Polyflex SA P FR	No	Yes	No	No	No	No
Polystick IR-Xe	Yes	No	No	No	Yes	Yes (Valley Liner)
Polystick MTS Plus	Yes	Yes	No	Yes	Yes	Yes (Valley Liner)
Polystick MX	Yes	No	No	Yes	No	No
Polystick P HT (fka, Polystick P)	Yes	No	No	Yes	Yes	Yes (Valley Liner)
Polystick PX HT	Yes	No	No	Yes	Yes	Yes (Valley Liner)
Polystick TU Max	No	Yes	Yes (Table 2A)	Yes	No	Yes (Valley Liner)
Polystick TU P	No	Yes	Yes (Table 2A)	No	No	Yes (Valley Liner)
Polystick TU Plus	Yes	Yes	Yes (Table 2A)	Yes	Yes	Yes (Valley Liner)
Polystick XFR	Yes	Yes	No	Yes	Yes	Yes (Valley Liner)

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5.6.1 Adhesive-set tile is limited to use of the following underlayment / tile-adhesive combinations.

TABLE 2A: ALLOWABLE UNDERLAYMENT / TILE-ADHESIVE COMBINATIONS[3]					
	TILE-ADHESIVE OPTIONS AND MIAMI-DADE NOA				
	DAP PRODUCTS		DUPONT DE NEMOURS	ICP CONSTRUCTION	
	STORMBOND	STORMBOND 2	TILE BOND	POLYSET AH-160	POLYSET RTA-1
UNDERLAYMENT	NOA 23-0327.12	NOA 22-0512.02	FL22525 & NOA 22-0614.05	NOA 23-0614.01	NOA 22-0614.08
Elastoflex S6 G	Yes	Yes	Yes	Yes	Yes
Polyflex SA P	Yes	Yes	Yes	Yes	Yes
Polystick TU Max or HydraGuard Shield Pro	Yes	Yes	Yes	Yes	Yes
Polystick TU P	Yes	Yes	Yes	Yes	Yes
Polystick TU Plus	Yes	Yes	Yes	Yes	Yes

5.7 Allowable Substrates:

TABLE 3: SUBSTRATE OPTIONS FOR ADHERED UNDERLAYMENTS				
UNDERLAYMENT	APPLICATION	SUBSTRATES (TO MEET WIND LOADS FOR PROJECT)		
		TYPE	PRIMER	MATERIAL(S)
Polystick IR-Xe, Polystick MTS Plus, Polystick MX, Polystick P HT (fka, Polystick P), Polystick PX HT, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick XFR, Polyflex SA P, Polyflex SA P FR, HydraGuard Omni Pro or HydraGuard Shield Pro	self-adhering	Deck / sheathing	(Optional) ASTM D41	Plywood or Southern Yellow Pine (SYP)
			ASTM D41	structural concrete
		Base Sheet	N/A	ASTM D226, Type II felt, Elastobase V, Elastobase P or PolyAnchor HV
Elastoflex S6 G or Elastoflex S6 G FR	hot asphalt	Deck	ASTM D41	structural concrete
		Base Sheet	N/A	ASTM D226, Type II felt, Elastobase V, Elastobase P or Polyglass G2 Base
Polyflex G or Polyflex G FR	torch-applied	Deck	ASTM D41	structural concrete
		Base Sheet	N/A	Elastobase V, Elastobase P, Polyglass G2 Base or Polybase V

5.8 Attachment Limitations:

5.8.1 Refer to Section 6 for codified prescriptive systems.

5.8.2 Refer to Tables 4A and 4B for underlayment systems which have documented compliance with Section 7 of TAS 103. The Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety has already been applied). No extrapolation or rational analysis is permitted for assemblies marked with an asterisk*.

5.8.3 Unless otherwise noted, referenced back-nailing shall utilize corrosion resistant "nails and tin caps" meeting the specifications set forth in **FBC HVHZ 1517.5**.

[3] *Refer to Tile Manufacturer's or Adhesive Manufacturer's Florida Product Approval or NOA for Overturning Moment Resistance Performance.*

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TABLE 4A: ALLOWABLE DESIGN PRESSURES, ADHERED, DIRECT-TO-DECK UNDERLAYMENT SYSTEMS						
SYSTEM NO.	DECK	PRIMER	JOINT TREATMENT	BASE PLY	CAP PLY	MDP (PSF)
UDL-1.	**New:** Plywood, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category or nominal 1-inch wood plank **Reroof:** Plywood, APA rated sheathing, 32/16, Exposure 1, **PS1**, 15/32 category	WB-3000	None	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-105.0
UDL-2.	**New:** Plywood, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category **Reroof:** Plywood, APA rated sheathing, 32/16, Exposure 1, **PS1**, 15/32 category	(Optional) PG100 or ASTM D41	Elastoflex SA V Flashing Strips	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-135.0
UDL-3.	Nominal 1-inch **wood plank**	(Optional) PG100 or ASTM D41	None	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-150.0
UDL-4.	**New:** Plywood, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category **Reroof:** Plywood, APA rated sheathing, 32/16, Exposure 1, **PS1**, 15/32 category	None	None	None	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-165.0
UDL-5.	**New:** Plywood, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category **Reroof:** Plywood, APA rated sheathing, 32/16, Exposure 1, **PS1**, 15/32 category	(Optional) PG100 at 0.5 gal/sq.	None	Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-202.5
UDL-6.	**New:** Plywood, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category **Reroof:** Plywood, APA rated sheathing, 32/16, Exposure 1, **PS1**, 15/32 category	PG100 at 0.5 gal/sq.	None	None	Polystick TU Max, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-255.0
UDL-7.	Structural concrete	PG100 or ASTM D41	None	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed using FBC HVHZ approved fasteners and plates, max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed using FBC HVHZ approved fasteners and plates, max. 12-inch o.c.	-202.5
UDL-8.	Structural concrete	PG100 or ASTM D41	None	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed using FBC HVHZ approved fasteners and plates, max. 12-inch o.c. or Polyflex G, torch-applied and back-nailed using FBC HVHZ approved fasteners and plates, max. 12-inch o.c.	-622.5

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TABLE 4B: ALLOWABLE DESIGN PRESSURES, MECHANICALLY ATTACHED, MULTI-PLY UNDERLAYMENT SYSTEMS						
**Nails shall be corrosion resistant and be of sufficient length to penetrate through the sheathing by min. 3/16-inch						
SYSTEM NO.	DECK	BASE SHEET		BASE PLY	CAP PLY	MDP (PSF)
		TYPE	ATTACH			
UDL-9.	**Plywood**, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category	PolyAnchor HV	Min. 12 ga. annular ring shank roofing nails** with 32 ga., 1-5/8" diameter tin caps; 6-inch o.c. at the 4-inch wide side laps and 12-inch o.c. at two (2) equally spaced center rows.	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-45.0
UDL-10.	**Plywood**, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category	Elastobase V (sanded top surface for hot-asphalt or torch-applied cap or poly-film surface for torch-applied cap)	Min. 11 ga. x 3/8-inch head-diameter, annular ring shank roofing nails** with 32 ga., 1-5/8-inch diameter tin caps; 8-inch o.c. at the 4-inch wide side laps and 8-inch o.c. at three (3) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed max. 12-inch o.c. or Polyflex G, torch-applied and back-nailed max. 12-inch o.c.	-60.0
UDL-11.	**Plywood**, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category	Elastobase V (sanded top surface for hot-asphalt or torch-applied cap or poly-film surface for torch-applied cap)	OMG #12 Standard Roofgrip with OMG Flat Bottom Metal Plates (NOA 24-0627.03); 12-inch o.c. at the 4-inch wide side laps and 12-inch o.c. at two (2) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed max. 12-inch o.c. or Polyflex G, torch-applied and back-nailed max. 12-inch o.c.	-60.0
UDL-12.	**New:** Plywood, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category **Reroof:** Plywood, APA rated sheathing, 32/16, Exposure 1, **PS1**, 15/32 category	Polyglass G2 Base or Polybase V (requires use of torch-applied cap ply)	Min. 12 ga. annular ring shank roofing nails** with 32 ga., 1-5/8-inch diameter tin caps; 8-inch o.c. at the 4-inch wide side laps and 8-inch o.c. at four (4) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed max. 12-inch o.c. or torch-applied or Polyflex G, torch-applied and back-nailed max. 12-inch o.c.	-67.5
UDL-13.	**New:** Plywood, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category **Reroof:** Plywood, APA rated sheathing, 32/16, Exposure 1, **PS1**, 15/32 category	Polyglass G2 Base or Polybase V (requires use of torch-applied cap ply)	Dekfast DF-#14-PH3 with DF-PLT-2-7/8-H (NOA 22-0913.02), OMG #14 Heavy Duty with OMG AccuTrac Flat Bottom Plates (NOA 24-0627.03) or Trufast HD with Trufast 3-inch Insulation Plates (NOA 25-0129.08); 10-inch o.c. at the 4-inch wide side laps and 10-inch o.c. at three (3) equally spaced staggered center rows.	None	Elastoflex S6 G, applied in full mopping of hot asphalt and back-nailed max. 12-inch o.c. or torch-applied or Polyflex G, torch-applied and back-nailed max. 12-inch o.c.	-75.0
UDL-14.	**Plywood**, APA rated sheathing, 32/16, Exposure 1, **PS2**, 15/32 category over nominal 2x10 No. 2 SYP lumber supports	PolyAnchor HV	Min. 12 ga. x min. 1 ¼-inch long annular ring shank roofing nails with 32 ga., 1-5/8-inch diameter tin caps installed to engage SYP lumber supports; 24-inch o.c. at the 4-inch wide side laps and 24-inch o.c. at eight (8) equally spaced center rows.	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-75.0

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TABLE 4B: ALLOWABLE DESIGN PRESSURES, MECHANICALLY ATTACHED, MULTI-PLY UNDERLAYMENT SYSTEMS						
**Nails shall be corrosion resistant and be of sufficient length to penetrate through the sheathing by min. 3/16-inch						
SYSTEM NO.	DECK	BASE SHEET		BASE PLY	CAP PLY	MDP (PSF)
		TYPE	ATTACH			
UDL-15.	**Plywood**, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category	PolyAnchor HV	Min. 12 ga. annular ring shank roofing nails** with 32 ga., 1-5/8-inch diameter tin caps; 10-inch o.c. at the 4-inch wide side laps and 10-inch o.c. at three (3) equally spaced staggered center rows.	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-75.0
UDL-16.	**New:** Plywood, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category **Reroof:** Plywood, APA rated sheathing, 32/16, Exposure 1, **PS1**, 15/32 category	PolyAnchor HV	Min. 12 ga. annular ring shank roofing nails** with 32 ga., 1-5/8-inch diameter tin caps; 6-inch o.c. at the 2-inch wide side laps and 6-inch o.c. at three (3) equally spaced staggered center rows.	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-82.5
UDL-17.	**Plywood**, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category	Elastobase V (poly-film top surface) or PolyAnchor HV	Min. 11 ga. x 3/8-inch head-diameter, annular ring shank roofing nails** with 32 ga., 1-5/8-inch diameter tin caps; 4-inch o.c. at the 4-inch wide side laps and 4-inch o.c. at four (4) equally spaced staggered center rows.	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-97.5
UDL-18.	**New:** Plywood, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category **Reroof:** Plywood, APA rated sheathing, 32/16, Exposure 1, **PS1**, 15/32 category	PolyAnchor HV	Min. 12 ga. annular ring shank roofing nails** with 32 ga., 1-5/8-inch diameter tin caps; 5-inch o.c. at the 4-inch wide side laps and 5-inch o.c. at four (4) equally spaced staggered center rows.	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-105.0
UDL-19.	**Plywood**, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category	PolyAnchor HV	Min. 12 ga. annular ring shank roofing nails** with 32 ga., 1-5/8-inch diameter tin caps; 6-inch o.c. at the 2-inch wide side laps and 6-inch o.c. at three (3) equally spaced staggered center rows.	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-112.5
UDL-20.	**Plywood**, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category	PolyAnchor HV	Min. 12 ga. annular ring shank roofing nails** with 32 ga., 1-5/8-inch diameter tin caps; 5-inch o.c. at the 4-inch wide side laps and 5-inch o.c. at three (3) equally spaced staggered center rows.	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-120.0
UDL-21.	**Plywood**, APA rated sheathing, 40/20, Exposure 1, **PS1**, 19/32 category	PolyAnchor HV	Min. 12 ga. annular ring shank roofing nails** with 32 ga., 1-5/8-inch diameter tin caps; 6-inch o.c. at the 4-inch wide side laps and 6-inch o.c. at four (4) equally spaced staggered center rows.	(Optional) Polystick MTS Plus or HydraGuard Omni Pro, self-adhered and back-nailed max. 12-inch o.c.	Polyflex SA P, Polyflex SA P FR, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro, self-adhered and back-nailed max. 12-inch o.c.	-135.0

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5.9 Exposure Limitations:

TABLE 5: EXPOSURE LIMITATIONS		
UNDERLAYMENT	PREPARED ROOF COVER INSTALLATION TYPE	MAXIMUM EXPOSURE (DAYS)
Elastobase V, Elastobase P, Polyglass G2 Base, Polybase V, PolyAnchor HV or Polystick P HT (fka, Polystick P)	Mechanically attached	30
Polystick IR-Xe or Polystick MX	Mechanically attached	90
Polystick PX HT	Mechanically attached	120
Polystick MTS Plus, Polystick TU Max, Polystick TU P, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro,	Any type (per Table 2)	180
Polystick TU Plus	Any type (per Table 2)	360
Elastoflex S6 G or Polyflex SA P	Adhesive-set tile roof system	180
Elastoflex S6 G, Elastoflex S6 G FR, Polyflex G, Polyflex G FR, Polyflex SA P or Polyflex SA P FR	Mechanically attached	UNLIMITED

5.10 Tile Slippage Limitations: When loading roof tiles on the underlayment, the maximum roof pitch shall be as follows. These pitch limitations can only be exceeded by using battens or loading boards during loading of the roof tiles.

TABLE 6: TILE SLIPPAGE LIMITATIONS			
UNDERLAYMENT	TILE PROFILE	STAGING METHOD	MAXIMUM STAGING PITCH
Elastoflex S6 G or S6 G FR	Flat or Lugged	Prohibited without battens or loading boards	N/A
Polyflex G or G FR	Flat or Lugged	6-tile stack (4 over 2)	4:12
Polyflex SA P or SA P FR	Flat or Lugged	6-tile stack (4 over 2)	4:12
Polystick MTS Plus or HydraGuard Omni Pro	Flat or Lugged	Prohibited without battens or loading boards	N/A
Polystick TU Max or HydraGuard Shield Pro	Flat	6-tile stack (4 over 2) or 10-tile stack	7:12
	Lugged	6-tile stack (4 over 2)	7:12
	Lugged	10-tile stack	6:12
Polystick TU P	Flat or Lugged	6-tile stack (4 over 2)	7:12
Polystick TU Plus	Flat or Lugged	6-tile stack (4 over 2)	7:12
	Flat or Lugged	10-tile stack	6:12
Polystick XFR	Flat or Lugged	Prohibited without battens or loading boards	N/A

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6. INSTALLATION:

6.1 **Polyglass Roof Underlayments** shall be installed in accordance with **Polyglass** published installation instructions subject to the Limitations of Use herein and the specifics noted below.

6.1.1 Consult Polyglass requirements for back-nailing at pitch 2:12 or greater.

6.1.2 All fabric-surfaced, aggregate-surfaced and granule-surfaced end-laps shall have a 6-inch wide, uniform layer of PG500 or POLYPLUS 50 applied within the end-lap.

6.2 Re-fasten any loose decking panels, and check for protruding nail heads. Sweep the substrate thoroughly to remove any dust and debris prior to application, and prime the substrate (if applicable).

6.3 Refer to Section 6.4 for underlayments having prescriptive codified minimum attachment or Tables 4A and 4B for underlayment systems having maximum design pressures established in accordance with Section 7 of TAS 103.

6.4 Underlayment Assemblies with Prescriptive Minimum Attachment for use in NON-TILE applications:

6.4.1

CODE REFERENCE:	**1518.2.1, Option 1:** Underlayment adhered to deck
DECK DESCRIPTION:	Code-minimum, new or existing (roof replacement) wood or structural concrete deck to the satisfaction of the Authority Having Jurisdiction (refer to Table 3 for specific underlayment/substrate combinations)
SECONDARY WATER BARRIER:	(Optional) **Elastoflex SA V Flashing Strips or Polystrip SA** self-adhered over joints of the plywood roof deck prior to installation of subsequent layer(s) in accordance with FBC HVHZ 1518.2.1(2).
NOTE:	*When using **Elastoflex SA V Flashing Strips**, do not overlap end-joints or T-joints. All end-joints and T-joints shall be butted firmly side by side, flush with each other but not overlapped.*
UNDERLAYMENT:	BASE PLY: (Optional) **Polystick MTS Plus, Polystick XFR or HydraGuard Omni Pro** self-adhered in accordance with FBC Section 1518.2.1(1) and back-nailed max. 12-inch o.c. using FBC HVHZ Approved nails and tin caps (FBC HVHZ 1517.5) or FBC HVHZ Approved concrete fasteners and plates.
	CAP PLY: **Polystick IR-Xe, Polystick MTS Plus, Polystick MX, Polystick P HT (fka, Polystick P), Polystick PX HT, Polystick TU Max, Polystick TU Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro**, self-adhered in accordance with FBC HVHZ 1518.2.1(1) and back-nailed max. 12-inch o.c. using FBC HVHZ Approved nails and tin caps (FBC HVHZ 1517.5) or FBC HVHZ Approved concrete fasteners and plates.
SURFACING:	FBC HVHZ Approved asphalt shingles, metal roof panels or metal shingles, slate or slate type shingles, subject to the allowable roof covers in Table 2 herein.

6.4.2

CODE REFERENCE:	**1518.2.1, Option 2:** Self-adhering strips to deck-joints followed by underlayment mechanically attached to deck
DECK DESCRIPTION:	Code-minimum, new or existing (roof replacement) wood deck to the satisfaction of the Authority Having Jurisdiction
SECONDARY WATER BARRIER:	**Elastoflex SA V Flashing Strips or Polystrip SA** self-adhered over joints of the plywood roof deck prior to installation of subsequent layer(s) in accordance with FBC HVHZ 1518.2.1(2).
NOTE:	*When using **Elastoflex SA V Flashing Strips**, do not overlap end-joints or T-joints. All end-joints and T-joints shall be butted firmly side by side, flush with each other but not overlapped.*
UNDERLAYMENT:	**Elastobase V, Elastobase P, PolyAnchor HV** or FBC HVHZ Approved ASTM D226, Type II felt or ASTM D8257 synthetic underlayment, in accordance with FBC HVHZ Table 1518.2.1, with a minimum 4-inch side lap and 6-inch end lap, mechanically fastened to deck
FASTENING:	FBC HVHZ Approved nails and tin caps (FBC HVHZ 1517.5), grid pattern of 12-inches between the overlaps and 6-inch spacing at the overlaps, in accordance with FBC HVHZ Table 1518.2.1.
SURFACING:	FBC HVHZ Approved asphalt shingles, metal roof panels or metal shingles, slate or slate type shingles, subject to the allowable roof covers in Table 2 herein.

6.4.3

CODE REFERENCE:	**1518.2.1, Option 3:** Two-layer underlayment mechanically fastened to deck
DECK DESCRIPTION:	Code-minimum, new or existing (roof replacement) wood deck to the satisfaction of the Authority Having Jurisdiction
UNDERLAYMENT:	Two (2) layers of **Elastobase V, Elastobase P or PolyAnchor HV** in accordance with FBC HVHZ 1518.2.1(3).
FASTENING:	FBC HVHZ Approved nails and tin caps (FBC HVHZ 1517.5) in accordance with FBC HVHZ 1518.2.1(3).
SURFACING:	FBC HVHZ Approved asphalt shingles, metal roof panels or metal shingles, slate or slate type shingles, subject to the allowable roof covers in Table 2 herein.

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6.4.4	**CODE REFERENCE:**	**1518.2.1, Option 1 combined with Option 2 or 3:** Optional self-adhering strips to deck-joints followed by base sheet mechanically fastened to deck followed by underlayment adhered to base sheet
	DECK DESCRIPTION:	Code-minimum, new or existing (roof replacement) wood deck to the satisfaction of the Authority Having Jurisdiction
	SECONDARY WATER BARRIER:	(Optional) **Elastoflex SA V Flashing Strips or Polystrip SA** self-adhered over joints of the plywood roof deck prior to installation of subsequent layer(s) in accordance with FBC HVHZ 1518.2.1(2).
	NOTE:	*When using **Elastoflex SA V Flashing Strips**, do not overlap end-joints or T-joints. All end-joints and T-joints shall be butted firmly side by side, flush with each other but not overlapped.*
	BASE SHEET:	One (1) or two (2) layer(s) of **Elastobase V, Elastobase P, PolyAnchor HV** or FBC HVHZ Approved ASTM D226, Type II felt or ASTM D8257 synthetic underlayment, in accordance with FBC HVHZ Table 1518.2.1, with a minimum 4-inch side lap and 6-inch end lap, mechanically fastened to deck.
	FASTENING:	FBC HVHZ Approved nails and tin caps (FBC HVHZ 1517.5), grid pattern of 12-inches between the overlaps and 6-inch spacing at the overlaps, in accordance with FBC HVHZ Table 1518.2.1.
	UNDERLAYMENT:	BASE PLY: (Optional) **Polystick MTS Plus, Polystick XFR or HydraGuard Omni Pro**, self-adhering and back-nailed max. 12-inch o.c. using FBC HVHZ Approved nails and tin caps (FBC HVHZ 1517.5)
		CAP PLY: **Polystick IR-Xe, Polystick MTS Plus, Polystick MX, Polystick P HT (fka, Polystick P), Polystick PX HT, Polystick TU Max, Polystick TU Plus, Polystick XFR, HydraGuard Omni Pro or HydraGuard Shield Pro** self-adhering and back-nailed max. 12-inch o.c. using FBC HVHZ Approved nails and tin caps (FBC HVHZ 1517.5).
	SURFACING:	FBC HVHZ Approved asphalt shingles, metal roof panels or metal shingles, slate or slate type shingles, subject to the allowable roof covers in Table 2 herein.

7. BUILDING PERMIT REQUIREMENTS:

As required by the Building Official or Authority Having Jurisdiction to properly evaluate the installation of this product.

8. MANUFACTURING PLANTS:

Contact the named QA entity for manufacturing facilities covered by **F.A.C. Rule 61G20-3** QA requirements. Refer to Section 4 herein for products and production locations having met codified material standards.

9. QUALITY ASSURANCE ENTITY:

UL, LLC – QUA9625: (360) 817-5512; bsai.inspections@ul.com

- END OF PEER -

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

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786)315-2590 F (786) 315-2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

ICP Construction Inc.
150 Dascomb Road
Andover, MA 01810

SCOPE:

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

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

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

DESCRIPTION: APOC® Polyset® AH-160

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

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

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

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

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

This NOA revises NOA# 22-0614.10 and consists of pages 1 through 12.
The submitted documentation was reviewed by Alex Tigera.

09/19/24

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ROOFING COMPONENT APPROVAL:

Category: Roofing
Sub Category: Roof tile adhesive
Materials: Polyurethane

SCOPE:

This approves **APOC® Polyset® AH-160 (HFC), APOC® Polyset® AH-160 (HFO 1) and APOC® Polyset® AH-160 (HFO 2)** as manufactured by **ICP Construction, Inc.** as described in this Notice of Acceptance. For the locations where the design pressure requirements, as determined by applicable building code, do not exceed the design pressure values obtained by calculations in compliance with Roofing Application Standard RAS 127. For use with approved flat, low, and high profile roof tile systems using Polyset® AH-160.

PRODUCTS MANUFACTURED BY APPLICANT:

Product	Dimensions	Test Specifications	Product Description
APOC® Polyset®AH-160 (HFC) *(formerly known as Polyset®AH-160)*	N/A	TAS 101	Two component polyurethane foam adhesive
APOC® Polyset® AH-160 (HFO 1)	N/A	TAS 101	Two component polyurethane foam adhesive
APOC® Polyset® AH-160 (HFO 2)	N/A	TAS 101	Two component polyurethane foam adhesive
ICP Adhesives Foam Dispenser RTF1000	N/A		Dispensing Equipment
ICP Adhesives ProPack® 30 & 100	N/A		Dispensing Equipment

PRODUCTS MANUFACTURED BY OTHERS:

Any Miami-Dade County Product Control Accepted Roof Tile Assembly having a current NOA which list attachment resistance values with the use of Polyset® AH-160 roof tile adhesive.

MANUFACTURING LOCATION:

1. Tomball, TX.

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PHYSICAL PROPERTIES:

Note: The physical properties listed below are presented as typical average values as determined by accepted ASTM test methods and are subject to normal manufacturing variation.

APOC® Polyset®AH-160 (HFC)

Property	Test	Results
Density @ 73ºF	ASTM D1622	2.1 lbs./ft.³
Compressive Strength	ASTM D1621	18 PSI Parallel to rise 14 PSI Perpendicular to rise
Tensile Strength	ASTM D1623	29 PSI Parallel to rise
Water Absorption	ASTM D2842	0%
Moisture Vapor Transmission	ASTM E96	2.3 Perms
Dimensional Stability	ASTM D2126	+0.07% Volume Change @ -40º F., 2 weeks +6.0% Volume Change @158ºF., 100% Humidity, 2 weeks
Closed Cell Content	ASTM D6226	94%

APOC® Polyset®AH-160 (HFO 1)

Property	Test	Results
Density @ 73ºF	ASTM D1622	2.5 lbs./ft.³
Compressive Strength	ASTM D1621	30 PSI Parallel to rise 21 PSI Perpendicular to rise
Tensile Strength	ASTM D1623	43 PSI Parallel to rise
Water Absorption	ASTM D2842	3%
Moisture Vapor Transmission	ASTM E96	2.7 Perms
Dimensional Stability	ASTM D2126	+0.00% Volume Change @ -40º F., 2 weeks +0.8% Volume Change @158ºF., 100% Humidity, 2 weeks
Closed Cell Content	ASTM D6226	91%

APOC® Polyset®AH-160 (HFO 2)

Property	Test	Results
Density @ 73ºF	ASTM D1622	2.5 lbs./ft.³
Compressive Strength	ASTM D1621	25 PSI Parallel to rise 19 PSI Perpendicular to rise
Tensile Strength	ASTM D1623	29 PSI Parallel to rise
Water Absorption	ASTM D2842	3%
Moisture Vapor Transmission	ASTM E96	3.0 Perms
Dimensional Stability	ASTM D2126	+0.00% Volume Change @ -40º F., 2 weeks +0.8% Volume Change @158ºF., 100% Humidity, 2 weeks
Closed Cell Content	ASTM D6226	95%

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EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Name/Report	Date
Center for Applied Engineering	#94-060	TAS 101	04/08/94
	257818-1PA	TAS 101	12/16/96
	25-7438-3	SSTD 11-93	10/25/95
	25-7438-4		
	25-7438-7	SSTD 11-93	11/02/95
	25-7492	SSTD 11-93	12/12/95
Miles Laboratories Polymers Division	NB-589-631	ASTM D 1623	02/01/94
Ramtech Laboratories, Inc.	9637-92	ASTM E 108	04/30/93
Southwest Research Institute	01-6743-011	ASTM E 108	11/16/94
	01-6739-062b[1]	ASTM E 84	01/16/95
Trinity Engineering	7050.02.96-1	TAS 114	03/14/96
	P36700.04.12	ASTM D 1623	04/18/12
	P39740.02.12	TAS 101	02/21/12
		TAS 123	
Celotex Corp. Testing Services	528454-2-1	TAS 101	10/23/98
	528454-9-1		
	528454-10-1		
	520109-1	TAS 101	12/28/98
	520109-2		
	520109-3		
	520109-6		
	520109-7		
	520191-1	TAS 101	03/02/99
	520109-2-1		
NEMO ETC, LLC	4p-ICP-20-SSLAP-01.B	Physical Properties	11/11/20
	4p-ICP-22-SSLAP-06.B-R1	Physical Properties	04/26/23

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LIMITATIONS:

1. Fire classification is not part of this acceptance. Refer to the Prepared Roof Tile Assembly for fire rating.
2. APOC® Polyset® AH-160 (HFC), APOC® Polyset® AH-160 (HFO 1) and APOC® Polyset® AH-160 (HFO 2) shall solely be used with flat, low, & high tile profiles.
3. Minimum underlayment shall be in compliance with the Roofing Application Standard RAS 120.
4. Roof Tile manufactures acquiring acceptance for the use of APOC® Polyset® AH-160 (HFC), APOC® Polyset® AH-160 (HFO 1) and APOC® Polyset® AH-160 (HFO 2) roof tile adhesive with their tile assemblies shall test in accordance with TAS 101.
5. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

INSTALLATION:

1. APOC® Polyset® AH-160 (HFC) may be used with any roof tile assembly having a current NOA that lists attachment resistance values with the use of Polyset® AH-160.
2. APOC® Polyset® AH-160 (HFC), APOC® Polyset® AH-160 (HFO 1) and APOC® Polyset® AH-160 (HFO 2) shall be applied in compliance with the Component Application section and the corresponding Placement Details noted herein. The roof tile assembly's adhesive attachment with the use of APOC® Polyset® AH-160 (HFC), APOC® Polyset® AH-160 (HFO 1) and APOC® Polyset® AH-160 (HFO 2) shall provide sufficient attachment resistance to meet or exceed the resistance value determined in compliance with Miami-Dade County Roofing Application Standards RAS 127. The adhesive attachment data is noted in the roof tile assembly NOA.
3. APOC® Polyset® AH-160 (HFC), APOC® Polyset® AH-160 (HFO 1) and APOC® Polyset® AH-160 (HFO 2) and its components shall be installed in accordance with Roofing Application Standard RAS 120, and ICP Construction, Inc.'s Operating Instruction and Maintenance Booklet.
4. Installation must be by a Factory Trained 'Qualified Applicator' approved and licensed by ICP Construction, Inc. ICP Construction, Inc. shall supply a list of approved applicators to the authority having jurisdiction.
5. Calibration of the ICP Adhesives Foam Dispenser RTF1000 dispensing equipment is required before application of any adhesive. The mix ratio between the "A" component and the "B" component shall be maintained between 1.0-1.15 (A): 1.0 (B).
6. APOC® Polyset® AH-160 (HFC), APOC® Polyset® AH-160 (HFO 1) and APOC® Polyset® AH-160 (HFO 2) shall be applied with ICP Adhesives Foam Dispenser RTF1000 or ICP Adhesives ProPack® 30 & 100 dispensing equipment only.
7. APOC® Polyset® AH-160 (HFC), APOC® Polyset® AH-160 (HFO 1) and APOC® Polyset® AH-160 (HFO 2) shall not be exposed permanently to sunlight.
8. Tiles must be adhered in freshly applied adhesive. Tile must be set within 1 to 2 minutes after APOC® Polyset® AH-160 (HFC), APOC® Polyset® AH-160 (HFO 1) and APOC® Polyset® AH-160 (HFO 2) has been dispensed.
9. APOC® Polyset® AH-160 (HFC), APOC® Polyset® AH-160 (HFO 1) and APOC® Polyset® AH-160 (HFO 2) placement and minimum patty weight shall be in accordance with the 'Placement Details' herein. Each generic tile profile requires the specific placement noted herein.

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Table 1: Adhesive Placement For Each Generic Tile Profile			
Tile Profile	**Placement Detail**	**Minimum Paddy Contact Area**	**Minimum Paddy Gram Weight**
Eave Course - Flat, Low, High Profiles	**All Eave Course**	**17-23 sq. inches**	**45-65**
Flat, Low, High Profiles	#1	17-23 sq. inches	45-65
Flat Profile	#2	10-12 sq. inches	30
Low Profile	#2	12-14 sq. inches	30
High Profile	#2	17-19 sq. inches	30
Flat, Low, High Profiles	#3	Two Paddys: 8-9 sq. inches at head of tile 9-11 sq. inches at overlap	12 grams per paddy
Two-Piece Barrel (Cap Tile)	Two Piece	2 Beads (1 each longitudinal edge) 20-25 sq. inches each bead	17 grams per bead
Two Piece Barrel (Pan Tile)	Two Piece	65-70 sq. inches	34 grams under pan

LABELING:

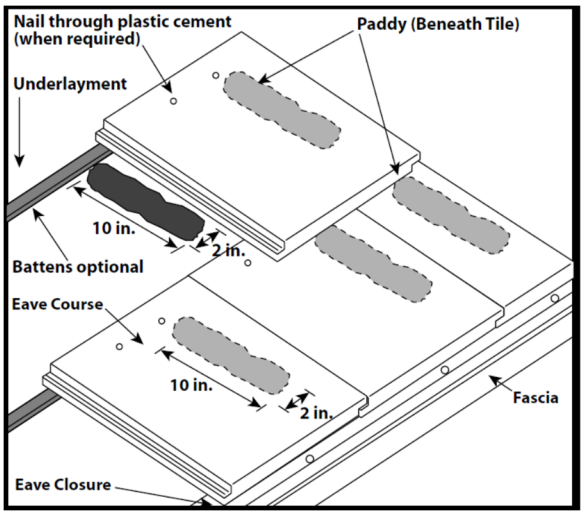
All approved products listed herein shall be labeled and shall bear the imprint or identifiable marking of the manufacturer's name or logo and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.

BUILDING PERMIT REQUIREMENTS:

As required by the Building Official or applicable building code in order to properly evaluate the installation of this system.

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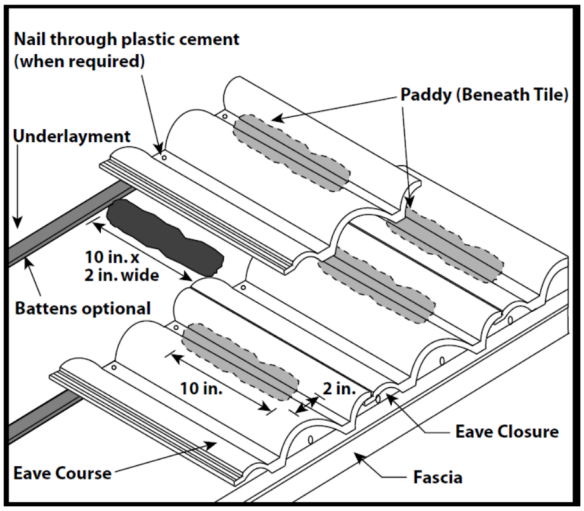
ADHESIVE PLACEMENT DETAIL # 1



Flat/Low Profile Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown, under the strengthening rib closest to the overlock of the tile being set.

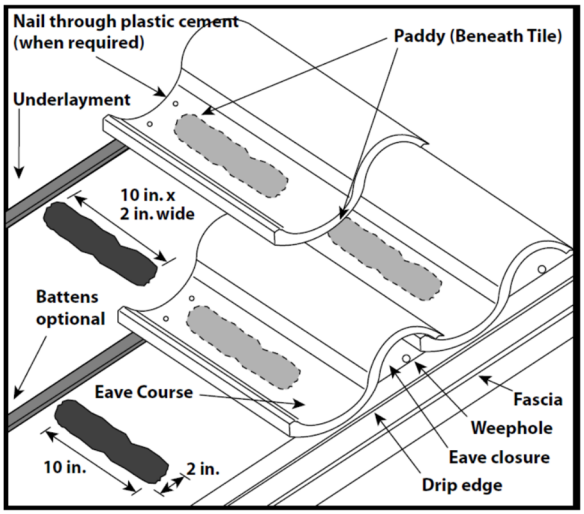
2. Continue in same manner. Insure approximately 17 (109.7 cm^2) – 23 (148.4 cm^2) square inch adhesive contact with the underside of the tile.



Medium Profile / Double Pan Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set.

2. Continue in same manner. Insure approximately 17 (109.7 cm^2) – 23 (148.4 cm^2) square inch adhesive contact with the underside of the tile.



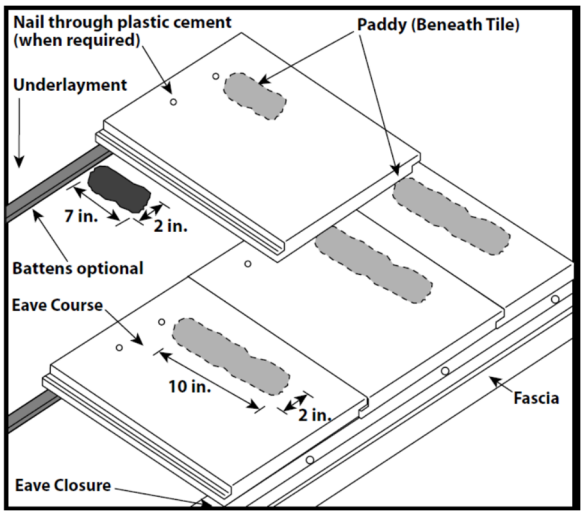
High Profile / Single Pan Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set.

2. Continue in same manner. Insure approximately 17 (109.7 cm^2) – 23 (148.4 cm^2) square inch adhesive contact with the underside of the tile.

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ADHESIVE PLACEMENT DETAIL # 2

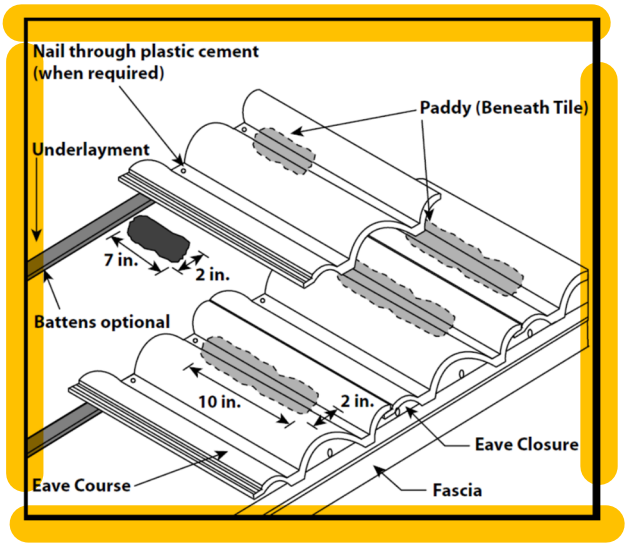


Flat/Low Profile Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the strengthening rib of the tile closest to the overlock of the tile being set. Insure approximately 17 (109.7 cm^2) – 23 (148.4 cm^2) square inch adhesive contact with the underside of the tile.

2. At the second course, apply a minimum 2" (50.8mm) x 7" (177.8 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the strengthening rib closest to the overlock of the tile being set.

3. Continue in same manner. Insure approximately 10" (64.5 cm^2) - 12 (77.4 cm^2) square inch adhesive contact with the underside of the tile.



Medium Profile / Double Pan Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set. Insure approximately 17 (109.7 cm^2) – 23 (148.4 cm^2) square inch adhesive contact with the underside of the tile.

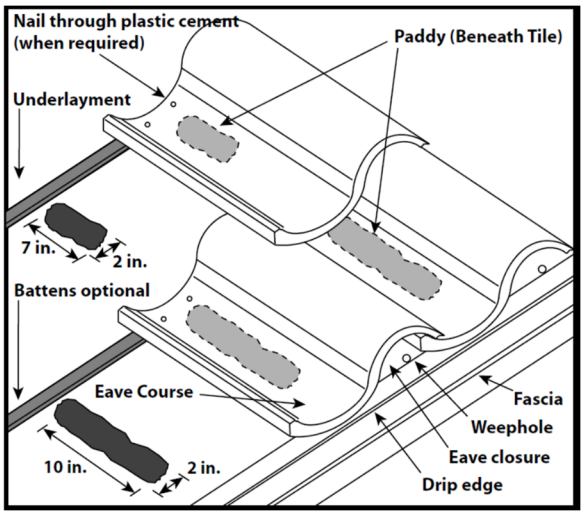
2. At the second course, apply a minimum 2" (50.8mm) x 7" (177.8 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set.

3. Continue in same manner. Insure approximately 12" (77.4 cm2) - 14 (90.3 cm^2) square inch adhesive contact with the underside of the tile.

(Instructions continued on next page)

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ADHESIVE PLACEMENT DETAIL # 2 (CONTINUED)



High Profile / Single Pan Tile

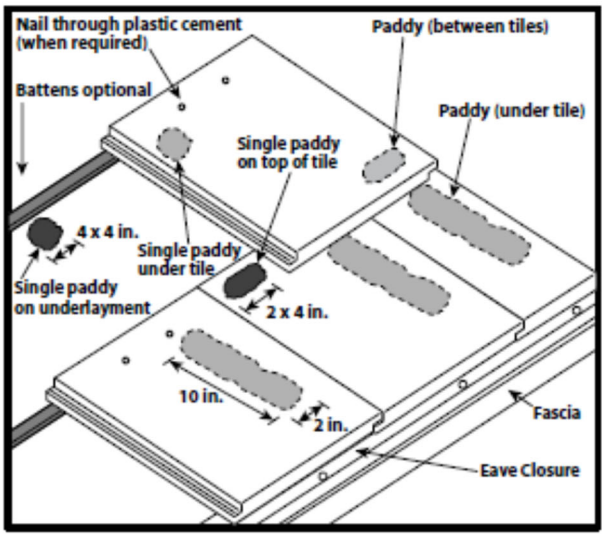
1. Starting at the eave course, apply a minimum 2” (50.8 mm) x 10” (254 mm) x 1” (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set. Insure approximately 17 (109.7 cm^2) – 23 (148.4 cm^2) square inch adhesive contact with the underside of the tile.

2. At the second course, apply a minimum 2” (50.8mm) x 7” (177.8 mm) x 1” (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set.

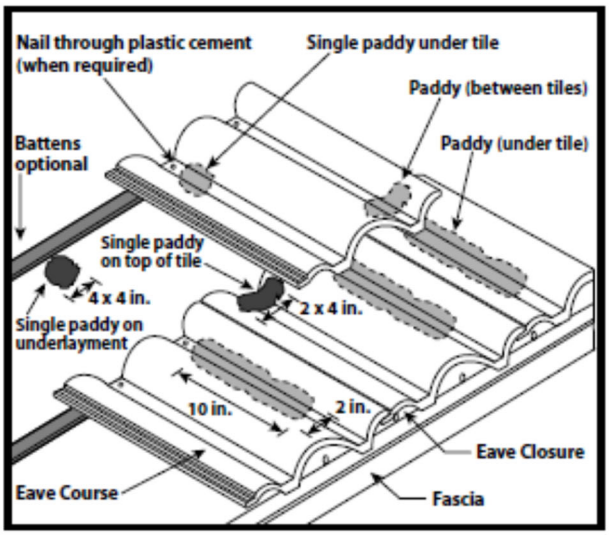
3. Continue in same manner. Insure approximately 17” (109.7 cm^2) - 19 (122.6 cm^2) square inch adhesive contact with the underside of the tile.

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ADHESIVE PLACEMENT DETAIL # 3



Flat/Low Profile Tile



Medium Profile Tile

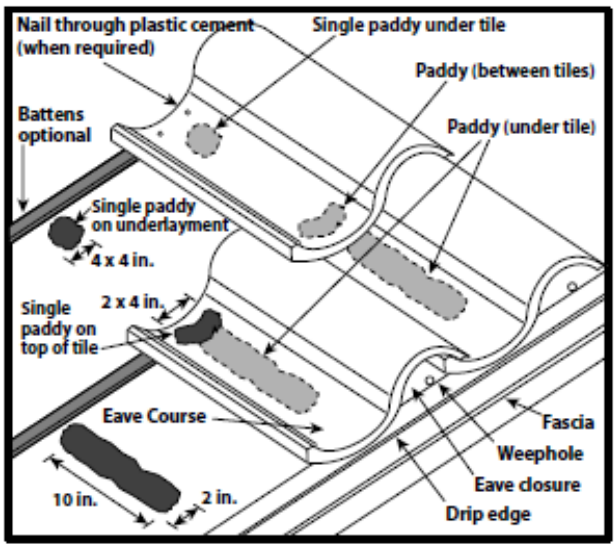
1. On the eave course only, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown, under the strengthening rib for flat tile or under the pan portion of the tile for low or high profile tile closest to the overlock of the tile being set. Leave approximately 4" (101.6 mm) up from the eave edge free of foam to prevent the expanded adhesive from blocking the weep holes. Insure approximately 17-23 in^2 (109.7-148.4 cm^2) of adhesive contact with the underside of the tile

2. Apply a 4" (101.6 mm) x 4" (101.6 mm) x 1" (25.4 mm) foam paddy onto the underlayment just below the second course line positioned foam paddy under the strengthening rib for flat tile, or under the pan portion of the tile, closest to the underlock for the second course tile to be installed. Insure approximately 8-9 in^2 (51.6-58.1 cm^2) of adhesive contact with the underside of the tile.

(Instructions continued on next page)

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ADHESIVE PLACEMENT DETAIL # 3 (CONTINUED)

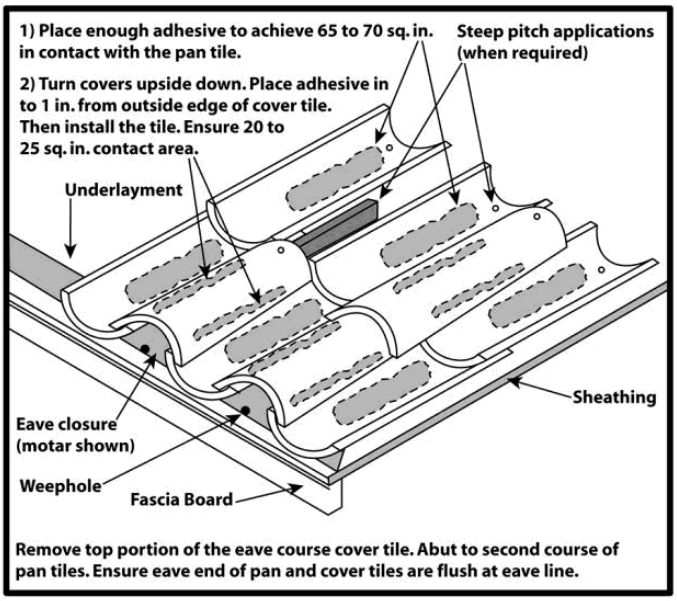


High Profile Tile

3. Also apply a 2" (50.8 mm) x 4" (101.6 mm) x ¾" (19 mm) paddy on top of the eave course tile surface as shown, on top of the strengthening rib for flat tile or on top of the pan portion of the tile, closest to the underlock of the first course of tile. Install second course of tile. Insure approximately 9 (58.1 cm^2) - 11 (71cm^2) square inch adhesive contact with the underside of the tile at the overlap and 7 (45.2 cm^2) - 9 (58.1 cm^2) square inch adhesive contact with the underside of the tile at the head of the tile. Continue in same manner.

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ADHESIVE PLACEMENT DETAIL
TWO PIECE BARREL



Two Piece Barrel - High Profile Tile

Two Piece Barrel (Cap and Pan) Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under two adjacent pan tiles. Support eave tiles from rocking until adhesive has a chance to cure.

2. Continue in same manner bringing two pan courses up toward the ridge. Insure approximately 65 (419.4 cm^2) – 70 (451.6 cm^2) square inch adhesive contact with the underside of the pan tile.

3. Turn covers upside down exposing the underside of the tile. Apply a minimum 1" (25.4 mm) x 10" (254 mm) bead of adhesive directly on the inner edge of each side of the cover tile. Leave approximately 3/4" (19 mm) to 1" (25.4 mm) from the outside edge of the tile, inward, free of foam to allow for expansion.

4. Turn cover tile over after foam is applied and place onto pan tile course. Insure a minimum of 20 (129 cm^2) - 25 (161.3 cm^2) square inch contact area on each side of the cover tile to the pan tile. Continue in same manner. Trim away any cured exposed foam adhesive. Pointing of longitudinal edges of the cover tiles are considered optional.

5. When additional nailing is required, 2" (50.8 mm) x 4" (101.6 mm) nailers or the tie wire system using galvanized, stainless steel, or copper wire and compatible nails may be used.

END OF THIS ACCEPTANCE

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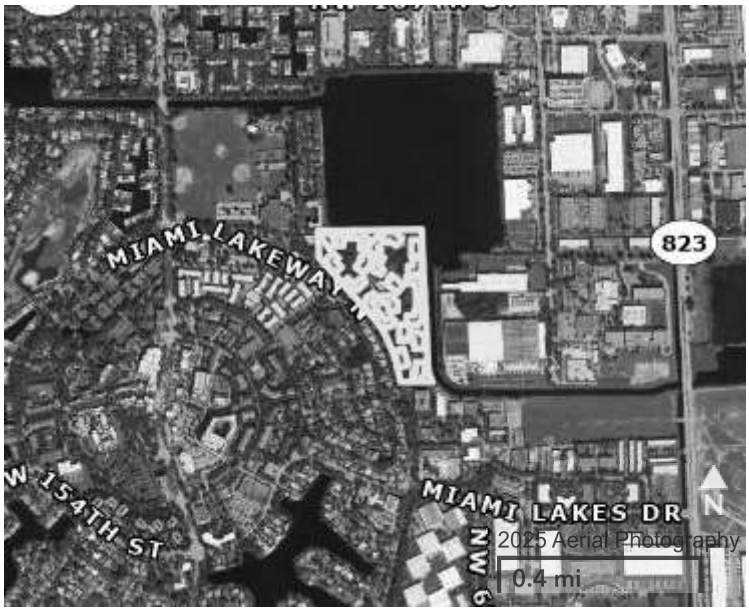
PROPERTY APPRAISER OF MIAMI-DADE COUNTY

Summary Report

Generated On: 07/15/2026

PROPERTY INFORMATION

Folio	32-2013-019-0011
Property Address	0 , FL
Owner	CELEBRATION POINT MASTER , ASSOCIATION INC
Mailing Address	15517 MIAMI LAKEWAY N HIALEAH, FL 33014
Primary Zone	5000 HOTELS & MOTELS - GENERAL
Primary Land Use	9751 PVT PARK -REC AREA -ROADWAY : COMMON AREA
Beds / Baths /Half	0 / 0 / 0
Floors	0
Living Units	0
Actual Area	0 Sq.Ft
Living Area	0 Sq.Ft
Adjusted Area	0 Sq.Ft
Lot Size	0 Sq.Ft
Year Built	0



ASSESSMENT INFORMATION

Year	2026	2025	2024
Land Value	$0	$0	$0
Building Value	$0	$0	$0
Extra Feature Value	$0	$0	$0
Market Value	$0	$0	$0
Assessed Value	$0	$0	$0

BENEFITS INFORMATION

Benefit	Type	2026	2025	2024

Note: Not all benefits are applicable to all Taxable Values (i.e. County, School Board, City, Regional).

SHORT LEGAL DESCRIPTION

MASTER ASSOC PROP FOR CELEBRATION
POINT CONDO 1 THRU 4
MIAMI LAKES EAGLE RIDGE SEC 1
PB 127-93 A PORT OF TR A AS DESC
OR 13126-2459

TAXABLE VALUE INFORMATION

Year	2026	2025	2024
COUNTY			
Exemption Value	$0	$0	$0
Taxable Value	$0	$0	$0
SCHOOL BOARD			
Exemption Value	$0	$0	$0
Taxable Value	$0	$0	$0
CITY			
Exemption Value	$0	$0	$0
Taxable Value	$0	$0	$0
REGIONAL			
Exemption Value	$0	$0	$0
Taxable Value	$0	$0	$0

SALES INFORMATION

Previous Sale	Price	OR Book-Page	Qualification Description

The information contained herein is for ad valorem tax assessment purposes only. The Property Appraiser of Miami-Dade County is continually editing and updating the tax roll. This website may not reflect the most current information on record. The Property Appraiser of Miami-Dade County and Miami-Dade County assumes no liability, see full disclaimer and User Agreement at https://www.miamidadepa.gov/pa/disclaimer.page

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Florida Building Code 8th Edition (2023)

High Velocity Hurricane Zone Uniform Roofing Application Form for Miami-Dade County

Section A (General Information)

Master Permit Number: _____ Process Number: _____

Contractor's Name: Roofing and Construction Corp

Job Address: 15569 Miami Lakeway N Miami Lakes FL 33014

ROOF CATEGORY

☐ Low Slope ☐ Mechanically Fastened Tile ☑ Mortar / Adhesive Set Tile

☐ Asphaltic Shingles ☐ Metal Panel/ Shingles ☐ Wood Shingles / Shakes

ROOF TYPE

☐ New Roof ☐ Repair ☐ Maintenance ☑ Reroofing ☐ Recovering

ROOF SYSTEM INFORMATION

Low Slope Roof Area (ft^2)	Steep Sloped Roof Area (ft^2)	Total (ft^2)
0	9933	9933

Are there gas vents on the roof? ○ Yes ⊗ No If Yes what type? ○ Natural ○ LPX

Is there an existing roof top Solar System? ○ Yes ⊗ No If yes will it be reinstalled? ○ Yes ○ No

Section B (Roof Plan)

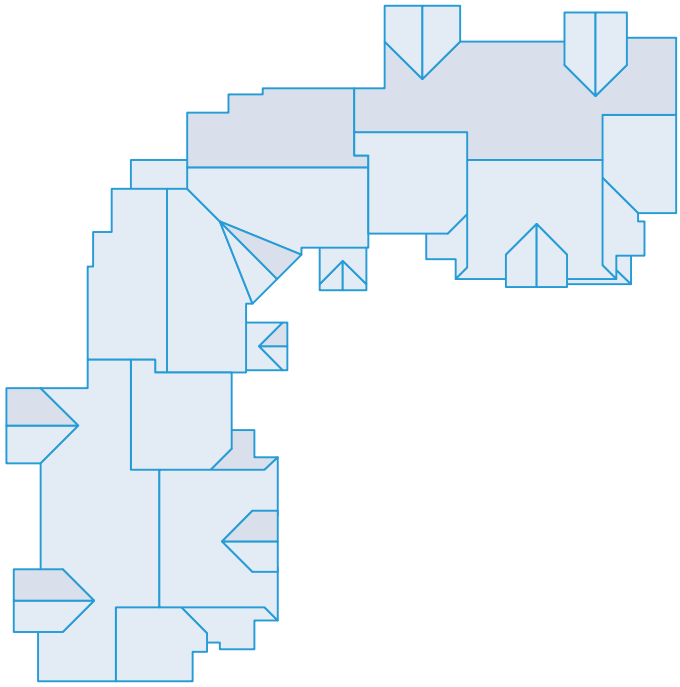
Sketch Roof Plan: Illustrate all levels and sections, roof drains, scuppers, overflow scuppers and overflow drains. Include dimensions of sections and levels, clearly identify dimensions of elevated pressure zones and location of parapets.

SEE ATTACHED

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Summary of all structures from report #20

15405 Miami Lakeway North, Miami Lakes, Florida, United States



Measurements	
Total roof area	9933 sqft
Total pitched area	9933 sqft
Total flat area	0 sqft
Total roof facets	39 facets
Predominant pitch	5/12
Total eaves	458ft 5in
Total valleys	243ft 4in
Total hips	21ft 10in
Total ridges	332ft 4in
Total rakes	558ft 3in
Total wall flashing	112ft 6in
Total step flashing	212ft 1in
Total transitions	0ft 0in
Total parapet wall	0ft 0in
Total unspecified	196ft 3in
Hips + ridges	354ft 2in
Eaves + rakes	1016ft 8in

Pitch	5/12
Area (sqft)	9,934
Squares	99.4

Waste %	0%	10%	12%	15%	17%	20%	22%
Area (sqft)	9,934	10,927	11,125	11,423	11,622	11,920	12,119
Squares	99.4	109.3	111.3	114.3	116.3	119.2	121.2

These waste calculations offer a general guide to total roof size with some common waste percentages applied. A number of factors are involved in determining which waste percentage to use, including the complexity of the roof and individual roof application style.

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Florida Building Code 8th Edition (2023)

High Velocity Hurricane Zone Uniform Roofing Application Form for Miami-Dade County

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Section D (Steep Sloped Roof System)

Roof System Manufacturer: WestLake Roofing

Product Control Number: 24-1008.10

Minimum Design Wind Pressures, From Applicable RAS 127 Table or Calculations:

Zone1: -63 Zone 2: -101 Zone3: -120

Slope Range: ○ ≥ 2:12 to ≤ 4:12 ⊗ > 4:12 to ≤ 6:12 ○ > 6:12 to ≤ 12:12

Roof Shape: ○ All Hip Roof ⊗ Gable Roof or Partial Gable/Hip Roof

Deck Type: 5/8 Plywood

Underlayment Type: PolyAnchor UDL-15

Roof Slope: 5 : 12

Insulation: N/A

Fire Barrier: N/A

Ridge Ventilation? N/A

Fastener Type & Spacing: 1 1/4 R.S Nails 6" OC Seams 4" Field

Cap Sheet Type: TU MAX

Mean Roof Height: 25'

Cap Sheet Attachment: Self Adhered

Roof Covering: Villa 900 Concrete Tiles

Drip Edge Type & Size: 3x3 24GA Galv

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Florida Building Code 8th Edition (2023)
High Velocity Hurricane Zone Uniform Roofing Application Form for Miami-Dade County
Section E (Tile Calculations)

For Moment based tile systems, choose Method 1. Compare the values for M_r with the values from M_f. If the M_f values are greater than or equal to the M_r values for each area of the roof, then the tile attachment method is acceptable.

Method 1* " Moment Based Tile Calculations per RAS 127"

Enter positive uplift pressures when using this table

(Zone 1: -63 x λ 0.315 = -19.84) – Mg: 7.34 = Mr_1 -27.18 Product Approval Mf: 46

(Zone 2: -101 x λ 0.315 = -31.81) – Mg: 7.34 = Mr_{2e} -39.15 Product Approval Mf: 46

(Zone 3: -120 x λ 0.315 = -37.8) – Mg: 7.34 = Mr_{2n} -45.14 Product Approval Mf: 46

Tile attachment method:

Alternate Tile attachment method :

Method 2 "Simplified Tile Calculations" only applicable in *Broward County.

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"

(Zone 1: _____ x L = _____ x W = _____) – (w) x cos θ _____) = Fr_1 _____ Product Approval F': _____

(Zone 2: _____ x L = _____ x W = _____) – (w) x cos θ _____) = Fr_2 _____ Product Approval F': _____

(Zone 3: _____ x L = _____ x W = _____) – (w) x cos θ _____) = Fr_3 _____ Product Approval F': _____

Where to obtain information		
Description	**Symbol**	**Where to Find**
Design Pressure	Zones 1, 2, & 3	From the applicable Table in RAS- 127 or be an engineering analysis prepared by a PE based upon ASCE 7
Mean Roof Height	H	Job Site
Roof Slope	θ	Job Site
Aerodynamic Multiplier	λ	Product Approval / Notice of Acceptance
Restoring Moment due to Gravity	M_g	Product Approval / Notice of Acceptance
Attachment Resistance	M_f	Product Approval / Notice of Acceptance
Required Moment Resistance	M_r	Calculated
Minimum Attachment Resistance	F'	Product Approval / Notice of Acceptance
Required Uplift Resistance	F_r	Calculated
Average Tile Weight	w	Product Approval / Notice of Acceptance
Tile Dimensions	L=Length W= Width	Product Approval / Notice of Acceptance
All calculations must be submitted to the Building Official at the time of permit application.		

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Detail by Entity Name

Florida Not For Profit Corporation
CELEBRATION POINT MASTER ASSOCIATION, INC.

Filing Information

Document Number	N15078
FEI/EIN Number	59-2657161
Date Filed	05/23/1986
State	FL
Status	ACTIVE

Principal Address

15517 Miami Lakeway N
Miami Lakes, FL 33014

Changed: 05/05/2026

Mailing Address

15517 Miami Lakeway N
Miami Lakes, FL 33014

Changed: 05/05/2026

Registered Agent Name & Address

Basulto Robbins & Associates, LLP
14160 NW 77 Court, Ste. 22
Miami Lakes, FL 33016

Name Changed: 06/14/2019

Address Changed: 06/14/2019

Officer/Director Detail

Name & Address

Title Director

Medri, Mario
15517 Miami Lakeway N
Miami Lakes, FL 33014

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Title VP

Iglesias, Zelma
15517 Miami Lakeway N
Miami Lakes, FL 33014

Title President

Penalba, Carmen
15517 Miami Lakeway North
MIAMI LAKES, FL 33014

Title Treasurer, Secretary

Guzman, Michelle
15517 Miami Lakeway N
Miami Lakes, FL 33014

Title Director

Rose, Patricia
15517 Miami Lakeway N
Miami Lakes, FL 33014

Annual Reports

Report Year	Filed Date
2025	04/17/2025
2026	04/15/2026
2026	05/05/2026

05/05/2026 -- AMENDED ANNUAL REPORT	View image in PDF format
04/15/2026 -- ANNUAL REPORT	View image in PDF format
04/17/2025 -- ANNUAL REPORT	View image in PDF format
04/02/2024 -- ANNUAL REPORT	View image in PDF format
04/12/2023 -- ANNUAL REPORT	View image in PDF format
03/17/2022 -- AMENDED ANNUAL REPORT	View image in PDF format
01/25/2022 -- ANNUAL REPORT	View image in PDF format
09/21/2021 -- AMENDED ANNUAL REPORT	View image in PDF format
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04/29/1996 -- ANNUAL REPORT	View image in PDF format
03/11/1996 -- ANNUAL REPORT	View image in PDF format
03/02/1995 -- ANNUAL REPORT	View image in PDF format
05/23/1986 -- Filings Prior to 1995	View image in PDF format

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

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Westlake Royal Roofing, LLC
7575 Irvine Center Drive, Suite 100
Irvine, CA 92618

SCOPE:

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

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (in Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.
This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Villa 900 Concrete Roof Tile

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

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

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

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

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

This NOA revises NOA# 22-0201.07 and consists of pages 1 through 9.
The submitted documentation was reviewed by Alex Tigera.

02/13/25

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ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub Category: Roofing Tiles
Material: Concrete

1. SCOPE

This renews a system using **Villa 900 Concrete Roof Tile**, as manufactured Westlake Royal Roofing, LLC in Lake Wales, FL and described in Section 2 of this Notice of Acceptance. For locations where the pressure requirements, as determined by applicable Building Code, do not exceed the design pressure values obtained by calculations in compliance with RAS 127 using the values listed in section 4 herein. The attachment calculations shall be done as a moment based system.

2. PRODUCT DESCRIPTION

Manufactured by Applicant	Dimensions	Test Specifications	Product Description
Roofing Villa 900	Length = 17" Width = 13" ½" thick	TAS 112 Type 1b Class III	Low profile, interlocking, high pressure extruded concrete roof tile equipped with three nail holes and double rolls. For direct deck, batten, mortar or adhesive set applications.
Trim Pieces	l = varies w = varies varying thickness	TAS 112	Accessory trim, concrete roof pieces for use at ridges, hips and rakes.

2.1 PRODUCTS MANUFACTURED BY OTHERS

Product Name	Product Description	Manufacturer (With Current NOA)
APOC® Polyset® RTA-1 (HFO)	Single component polyurethane foam roof tile adhesive.	ICP Construction, Inc.
APOC® Polyset® AH-160 (HFC)	Two component polyurethane foam adhesive.	ICP Construction, Inc.
APOC® Polyset® AH-160 (HFO1)	Two component polyurethane foam adhesive.	ICP Construction, Inc.
TILE BOND™ Roof Tile Adhesive	Single component polyurethane foam roof tile adhesive.	DuPont de Nemours, Inc.
"Tile Tite" Roof Tile Mortar	Premixed, pre-bagged roof tile mortar.	Bermuda Roof Co. Inc.
DAP StormBond® 2 Roof Tile Adhesive	Two component polyurethane foam adhesive.	DAP Global, Inc.
DAP StormBond® Roof Tile Adhesive	One component polyurethane foam adhesive.	DAP Global, Inc.

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2.2 MANUFACTURING LOCATION

2.2.1. Lake Wales, FL

2.3 EVIDENCE SUBMITTED

Test Agency	Test Identifier	Test Name/Report	Date
Nutting Engineers	13343.1	TAS 112	Apr. 2006
Redland Technologies	7161-03 Appendix III	Static Uplift Testing TAS 102 & TAS 102(A)	Dec. 1991
	7161-03 Appendix II	Wind Tunnel Testing TAS 108 (Nail-On)	Dec. 1991
	P0402	Withdrawal Resistance Testing of screw vs. smooth shank nails	Sept. 1993
The Center for Applied Engineering, Inc.	94-060B	Static Uplift Testing TAS 101 (Adhesive Set)	March, 1994
	94-084	Static Uplift Testing TAS 101 (Mortar Set)	May 1994
Redland Technologies	P0631-01	Wind Tunnel Testing TAS 108 (Mortar Set)	July 1994
	Letter Dated Aug. 1, 1994	Wind Tunnel Testing TAS 108 (Nail-On)	Aug. 1994
The Center for Applied Engineering, Inc.	Project No. 307025 Test #MDC-76	Wind Driven Rain TAS 100	Oct. 1994
	25-7183-1 25-7183-2	Static Uplift Testing TAS 102 (2 Quik-Drive Screws, Direct Deck)	Feb. 1995
	25-7214-2 25-7214-6	Static Uplift Testing TAS 102 (1 Quik-Drive Screw, Direct Deck) (1 Quik-Drive Screw, Battens)	March, 1995
Celotex Corporation Testing Services	528454-2-1 520109-2	Static Uplift Testing TAS 101	Sep. 1998 Dec. 1998
Walker Engineering, Inc.	Evaluation Calculations	25-7183	March 1995
	Evaluation Calculations	25-7094	February 1996
	Evaluation Calculations	25-7496	April 1996
	Evaluation Calculations	25-7584 25-7804b-8 25-7804-4 & 5 25-7848-6	December 1996
	Evaluation Calculations	Aerodynamic Multipliers	09/01/16
	Evaluation Calculations	Two Patty Adhesive Set System	April 1999
	Evaluation Calculations	Restoring Moment Due to Gravity	09/01/16
American Test Lab of South Florida	RT0617.02-16	TAS 112	06/29/16
	RT0503.02-21	TAS 112	05/12/21

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2.3 EVIDENCE SUBMITTED

Test Agency	Test Identifier	Test Name/Report	Date
PRI Construction Materials Technologies	COPO-002-02-11	Static Uplift Testing TAS 101 (Adhesive Set)	10/12/2016
	COPO-002-02-04	Static Uplift Testing TAS 101 (Adhesive Set)	10/12/2016
	COPO-002-02-03	Static Uplift Testing TAS 101 (Adhesive Set)	10/12/2016
	2002T003.02	TAS 101	11/06/20
NEMO ETC, LLC	4c-DPBS-20-LSOTM-01.C.R1	TAS 101	12/17/20
	4c-ICP-21-LSOTM-01.A	TAS 101	01/26/22
	4p-ICP-22-SSLAP-06.A	ASTM D1623	08/29/23
	4c-ICP-23-LSOTM-01.A	TAS 101	11/13/24

3. LIMITATIONS:

3.1 Fire classification is not part of this acceptance.

3.2 For mortar or adhesive set tile applications, a static field uplift test shall be performed in accordance with TAS 106.

3.3 Applicant shall retain the services of a Miami-Dade County Certified Laboratory to perform quarterly test in accordance with TAS 112, appendix 'A'. Such testing shall be submitted to the Building Code Compliance Office for review.

3.4 Minimum underlayment shall be in compliance with the applicable Roofing Applications Standards listed section 4.1 herein.

3.5 30/90 hot mopped underlayment applications may be installed perpendicular to the roof slope unless stated otherwise by the underlayment material manufacturers published literature.

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

4. INSTALLATION

4.1 Villa 900 Concrete Roof Tile and its components shall be installed in strict compliance with Roofing Application Standard RAS 118, RAS 119, and RAS 120.

4.2 Data For Attachment Calculations

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Table 1: Average Weight (W) and Dimensions (l x w)			
Tile Profile	**Weight-W (lbf)**	**Length-l (ft)**	**Width-w (ft)**
Villa 900 Concrete Tile	10.9	1.42	1.08

Table 2: Aerodynamic Multipliers - λ (ft^3)		
Tile Profile	**λ (ft^3) Batten Application**	**λ (ft^3) Direct Deck Application**
Villa 900 Concrete Tile	0.291	0.315

Table 3: Restoring Moments due to Gravity - M_g (ft.-lbf.)										
Tile Profile	**2":12"**	**3":12"**	**4":12"**		**5":12"**		**6":12"**		**7":12" or greater**	
Villa 900 Concrete Tile	Direct Deck	Direct Deck	Battens	Direct Deck	Battens	Direct Deck	Battens	Direct Deck	Battens	Direct Deck
	7.70	7.62	6.56	7.50	6.42	7.34	6.26	7.15	6.08	6.95

Table 4: Attachment Resistance Expressed as a Moment - M_f (ft-lbf) for Mechanically Fastened Systems				
Tile Profile	**Fastener Type**	**Direct Deck (min 15/32" plywood)**	**Direct Deck (min. 19/32" plywood)**	**Battens**
Villa 900 Concrete Tile	2-10d Ring Shank Nails	27.8	37.4	28.8
	1-10d Smooth or Screw Shank Nail	8.8	11.8	4.1
	2-10d Smooth or Screw Shank Nails	16.4	21.9	7.1
	1 #8 Screw	25.8	25.8	22.9
	2 #8 Screw	47.1	47.1	49.1
	1-10d Smooth or Screw Shank Nail (Field Clip)	24.3	24.3	24.2
	1-10d Smooth or Screw Shank Nail (Eave Clip)	19.0	19.0	22.1
	2-10d Smooth or Screw Shank Nails (Field Clip)	35.5	35.5	34.8
	2-10d Smooth or Screw Shank Nails (Eave Clip)	31.9	31.9	32.2

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Table 5: Attachment Resistance Expressed as a Moment M_f (ft.-lbf) for Two Patty Adhesive[1] Set Systems			
Tile Profile: Villa 900 Concrete Tile			
Tile Application	**Paddy weight**	**Adhesive Contact Area**	**Minimum Attachment Resistance**
TILE BOND™ Roof Tile Adhesive – (Interdependent)	12.5 grams each	16 in^2 per paddy	35
TILE BOND™ Roof Tile Adhesive – (Independent)	25 grams each	8 in^2	67
APOC® Polyset® AH-160 (HFC & HFO1)	8 grams each	-	26
DAP StormBond® 2 Roof Tile Adhesive	8 grams each	-	55
DAP StormBond® 2 Roof Tile Adhesive	8 grams to underlayment	-	72
	5 grams at headlap	-	
APOC® Polyset® RTA-1 (HFO)	12 grams to underlayment	(4" x 3") 12 in^2	71
	10 grams at headlap	(1" x 8") 8 in^2	
1 See manufacturer component approval for installation requirements.			

Table 6: Attachment Resistance Expressed as a Moment - M_f (ft-lbf) for Single Patty Adhesive[2] Set Systems			
Tile Profile: Villa 900 Concrete Tile			
Tile Application	**Paddy weight**	**Adhesive Contact Area**	**Minimum Attachment Resistance**
APOC® Polyset® AH-160 (HFC & HFO1)	54 grams each	-	87
APOC® Polyset® AH-160 (HFC & HFO1)	24 grams each	-	46
DAP StormBond® 2 Roof Tile Adhesive	30 grams each	-	40
DAP StormBond® 2 Roof Tile Adhesive	60 grams each	-	70
2 See manufacturer component approval for installation requirements.			

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Table 7: Attachment Resistance Expressed as a Moment - M_f (ft-lbf) for Mortar Set Systems		
Tile Profile	**Tile Application**	**Attachment Resistance**
Villa 900 Concrete Tile	Mortar Set[3]	21
3 Bermuda Roof Co. Inc. Tile-Tite Roof Tile Mortar.		

Table 8: Attachment Resistance Expressed as a Moment Mf (ft.-lbf) for Hybrid Attachment (Adhesive[4] and Mechanical)			
Tile Profile: Villa 900 Concrete Tile			
Tile Application	**Paddy weight**	**Adhesive Contact Area**	**Minimum Attachment Resistance**
Two (2) #8 Screws and APOC® Polyset® RTA-1 (HFO)	11 grams at headlap	-	63
4 See manufacturer component approval for installation requirements.			

5. LABELING

5.1 All tiles shall bear the imprint or identifiable marking of the manufacturer's name or logo as detailed below, or following statement: "Miami-Dade County Product Control Approved".



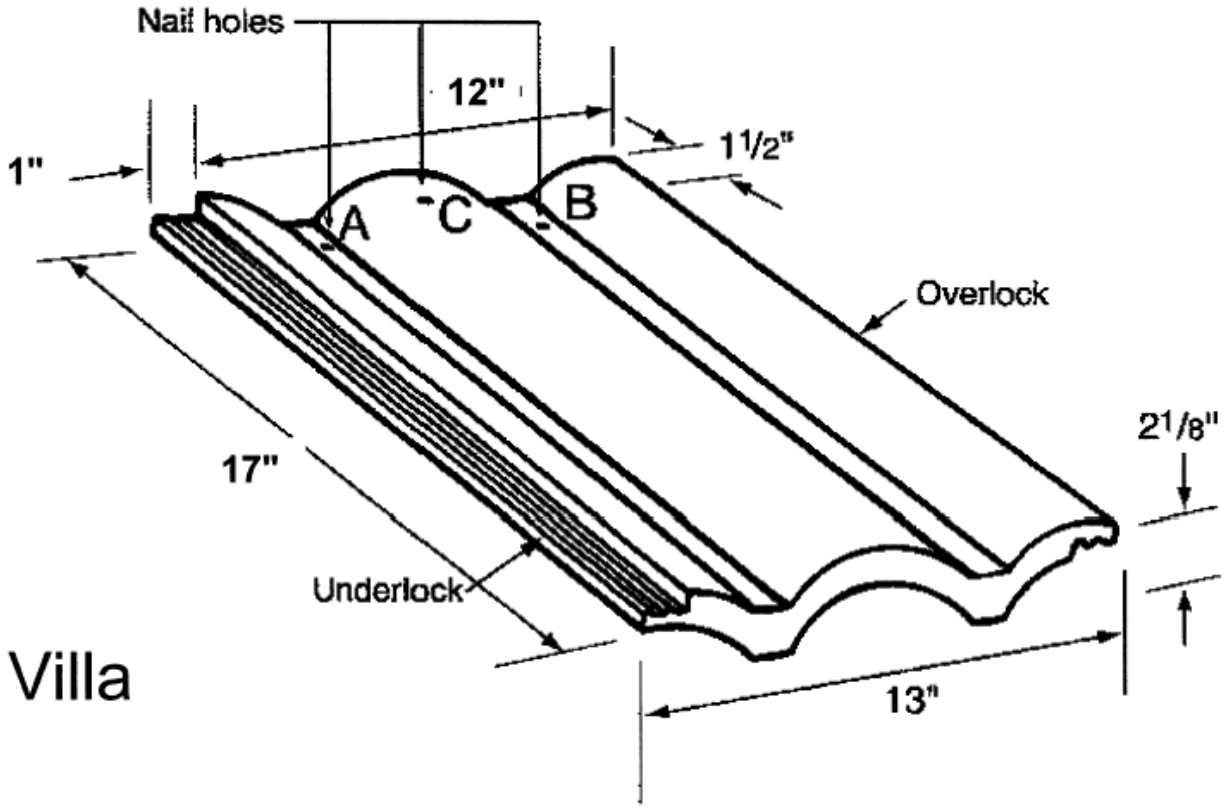
LABEL FOR BORAL VILLA 900 CONCRETE TILE
(LOCATED ON THE UNDERSIDE OF TILE)

6. BUILDING PERMIT REQUIREMENTS:

6.1 Application for building permit shall be accompanied by copies of the following:
- **6.1.1** This Notice of Acceptance.
- **6.1.2** Any other documents required by Building Official or Applicable building code in order to properly evaluate the installation of this system.

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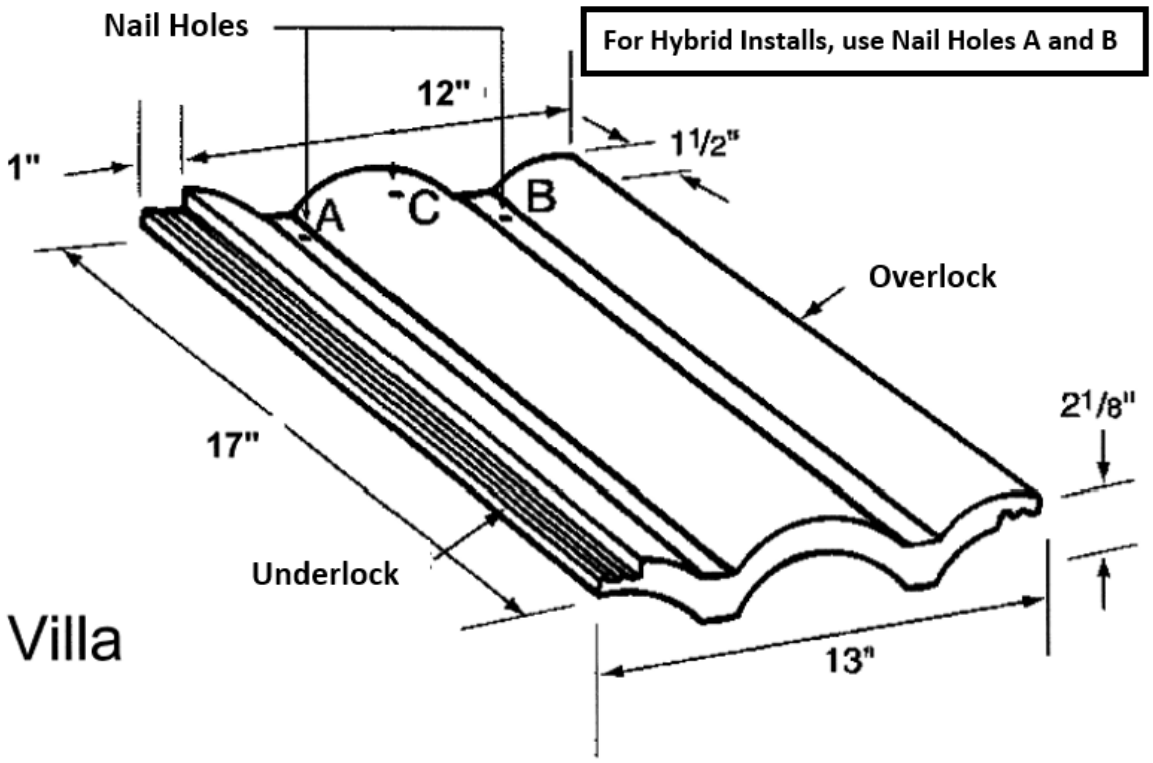
PROFILE DRAWING



VILLA 900 CONCRETE ROOF TILE

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DETAIL A



END OF THIS ACCEPTANCE

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MIAMI LAKES
Growing Beautifully

6601 Main St • Miami Lakes, Florida, 33014
Office: (305) 827-4015 • Fax: (305) 558-9884
Website: www.miamilakes-fl.gov

BUILDING PERMIT APPLICATION

Job Address: 15569 Miami Lakeway N.

Unit #:

Folio #: 32- 2013-019-0011 Owner-Builder: ☐

Master Permit #: RFC2026-1902 Sub Permit #: _____ Revision #: _____

OWNER INFORMATION

NAME: Celebration Point Master HOA, Inc

Address: 15517 Miami Lakeway N

City, State, Zip Miami Lakes FL 33014

Phone #: 305-825-9413 Cell #:

Email Address: celebration@npmassociation.com

LEGAL USE/ WORK

Current Use of Property: Residential

Job Description Re-Roof with Villa 900

JOB COST $ $90,000 AREA/LENGTH: 9933SQ SF/LF

Residential ☑ Multi-Family ☒ Commercial ☐ Industrial ☐

Code in Effect: _____

Occupancy: _____

Construction Type: _____

Flood Zone/B.F.E.: _____ F.F.E.: _____

CONTRACTOR INFORMATION

Company Name: Roofing and Construction Corp

Qualifier Name: Ezequiel Romero

License # CCC 1328459

Address 1111 SW 21 Ave B18

City, State, Zip Ft. Lauderdale FL 33312

Phone #: 954-638-4580 Cell #:

Email Address: roofingra@gmail.com

ARCHITECT/ ENGINEER

Firm Name: N/A

A/E of record:

License #

Address

City, State, Zip

Phone #: Cell #:

Email Address:

Permit Type -- Check only One

☐ Building ☐ Electrical ☐ Mechanical ☐ Plumbing/Gas
☐ Paving/Drainage ☐ Sign ☑ Roofing ☐ P/W

Change to Permit -- Check only One

☐ Extension ☐ Renewal ☐ Revision
☐ Change Contractor ☐ Shop Drawing ☐ Cancellation

Application is hereby made to obtain a permit to do work and installation as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards, of all laws regulating construction in this jurisdiction. I understand that a separate permit must be secured for ELECTRICAL WORK, MECHANICAL, PLUMBING, SIGNS, WELLS, POOLS, RE-ROOFING, SHUTTERS, WINDOWS, FURNACES, BOILERS, HEATERS, TANKS, and AIR CONDITIONERS, etc. I understand that in signing this application I am responsible for the supervision and completion of the construction including scheduling of inspections and obtaining final inspections in accordance with the plans and specification WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR ATTORNEY OR LENDER BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT. OWNER/CONTRACTOR AFFIDAVIT: I Certify that all the foregoing information is accurate and that all work will be done in compliance with all applicable laws regulating construction and zoning.

X _____
Signature of Owner or Owner's Agent

Date 7/20/26

Carmen Peralta
Print Name of Owner or Owner's Agent

X _____
Signature of Qualifier

Date 7/20/26

Ezequiel Romero
Print Name of Qualifier

STATE OF Florida COUNTY OF Miami-Dade

Sworn to and subscribed before me this 20th July 2026

by Carmen Peralta (SEAL)

Personally known ☒ or I.D. _____

ALBINE GARCIA BONVECCHIO
Notary Public - State of Florida
Commission # HH 477737
My Comm. Expires Jan 4, 2028
Bonded through National Notary Assn.

STATE OF Florida COUNTY OF Miami-Dade

Sworn to and subscribed before me this 20th July 2026

by Ezequiel Romero (SEAL)

Personally known ☐ or I.D. R201-675-77-700-0

ALBINE GARCIA BONVECCHIO
Notary Public - State of Florida
Commission # HH 477737
My Comm. Expires Jan 4, 2028
Bonded through National Notary Assn.

NOTICE: In addition to the requirements of this permit, there may be additional deed restrictions enforced by the homeowner's associations that may be applicable to this property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies, or federal agencies.

NOTE: This application will be void if there are no reviews after six(6) months.

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