



# Permit Reviews

## Village of Pinecrest

Permit Number: **BL2025-0401**

Description: **EXPEDITE- 2FL METAL+ FLAT**

Applied: **3/21/2025**

Approved:

Site Address: **9321 SW 67TH AVE**

Issued:

Finalized:

City, State Zip Code: , **33156**

Status: **ONLINE REWORKS**

Applicant: **ISAACS ROOFING & INSULATION CORP**

Parent Permit: **BL2022-1876**

Owner: **Good Mangos LLC**

Parent Project:

Contractor: **ISAACS ROOFING & INSULATION CORP**

Details:

### LIST OF REVIEWS

| SENT DATE | RETURNED DATE | DUE DATE | TYPE | CONTACT | STATUS | REMARKS |
|-----------|---------------|----------|------|---------|--------|---------|
|-----------|---------------|----------|------|---------|--------|---------|

Review Group: ALL

|           |           |           |        |              |            |  |
|-----------|-----------|-----------|--------|--------------|------------|--|
| 3/21/2025 | 3/21/2025 | 3/28/2025 | ZONING | SUBRATA BASU | INCOMPLETE |  |
|-----------|-----------|-----------|--------|--------------|------------|--|

Notes:

1. Provide 2 sealed and signed updated/progress surveys clearly showing highest Crown of Road (COR) and height of roof ridge/top of roof/parapet (as applicable) noted as a NGVD and the same information for accessory structures, if applicable.
2. Provide 2 sealed and signed Elevation Certificates noting the highest Crown of Road (COR) and height to the top of the roof ridge/ top of roof/parapet (as applicable) noted as a NGVD and the same information for accessory structures, if applicable.
3. Submit above information with job copy for Zoning Review. Zoning must be approved prior to issuing of roofing permit

|           |           |           |                   |                    |            |  |
|-----------|-----------|-----------|-------------------|--------------------|------------|--|
| 3/21/2025 | 3/28/2025 | 3/28/2025 | BUILDING EXPEDITE | ARDESHIR MAHTABFAR | INCOMPLETE |  |
|-----------|-----------|-----------|-------------------|--------------------|------------|--|

Notes:

1. NEED MIAMI-DADE COUNTY SECTION "D" FOR METAL ROOF PANELS TO INDICATE CLIP SPACING FOR ALL ZONES & METHOD OF DRIP EDGE ATTACHMENT. **See new Section D**
  2. NEED PRODUCT APPROVAL FOR POLYGLASS XFR. **See Attached**
  3. PLEASE CLARIFY; IF BALCONY & PLANTERS WATERPROOFING IS PART OF THIS PERMIT NEED TO SUBMIT PRODUCT APPROVAL.
  4. MISSING UL FOR TPO ROOF & CLARIFY WHERE VERSASHIELD IS BEING USED OR WHY UL FOR VERSASHIELD IS SUBMITTED.
- Waterproofing and planters NOT included  
SEE UL, Versashield not used

Review Group: AUTO

|           |           |           |              |              |          |  |
|-----------|-----------|-----------|--------------|--------------|----------|--|
| 3/21/2025 | 3/21/2025 | 3/28/2025 | PERMIT CLERK | PERMIT CLERK | VERIFIED |  |
|-----------|-----------|-----------|--------------|--------------|----------|--|

Notes:

|           |           |           |                 |                    |            |  |
|-----------|-----------|-----------|-----------------|--------------------|------------|--|
| 3/21/2025 | 3/28/2025 | 3/28/2025 | PLANS PROCESSOR | FINAL PERMIT CLERK | INCOMPLETE |  |
|-----------|-----------|-----------|-----------------|--------------------|------------|--|

Notes:

**Florida Building Code 8th Edition (2023)**

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

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**INSTRUCTION PAGE**

**COMPLETE THE NECESSARY SECTIONS OF THE UNIFORM ROOFING PERMIT APPLICATION FORM AND  
ATTACH THE REQUIRED DOCUMENTS BELOW:**

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

**ATTACHMENTS REQUIRED:**

|    |                                                                                                                                                         |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | Fire Directory Listing Page                                                                                                                             |
| 2. | From Product Approval:<br>Front Page<br>Specific System Description<br>Specific System Limitations<br>General Limitations<br>Applicable Detail Drawings |
| 3. | Design calculations per Chapter 16, or if applicable, RAS 127 or RAS 128                                                                                |
| 4. | Other Component Product Approval                                                                                                                        |
| 5. | Municipal Permit Application                                                                                                                            |
| 6. | Owner's Notification for Roofing Considerations (Reroofing Only)                                                                                        |
| 7. | Any Required Roof Testing / Calculation Documentation                                                                                                   |

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: \_\_\_\_\_

Job Address: \_\_\_\_\_

**ROOF CATEGORY**

- |                                             |                                                     |                                                     |
|---------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| <input type="checkbox"/> Low Slope          | <input type="checkbox"/> Mechanically Fastened Tile | <input type="checkbox"/> Mortar / Adhesive Set Tile |
| <input type="checkbox"/> Asphaltic Shingles | <input type="checkbox"/> Metal Panel/ Shingles      | <input type="checkbox"/> Wood Shingles / Shakes     |

**ROOF TYPE**

- |                                   |                                 |                                      |                                    |                                     |
|-----------------------------------|---------------------------------|--------------------------------------|------------------------------------|-------------------------------------|
| <input type="checkbox"/> New Roof | <input type="checkbox"/> Repair | <input type="checkbox"/> Maintenance | <input type="checkbox"/> Reroofing | <input type="checkbox"/> Recovering |
|-----------------------------------|---------------------------------|--------------------------------------|------------------------------------|-------------------------------------|

**ROOF SYSTEM INFORMATION**

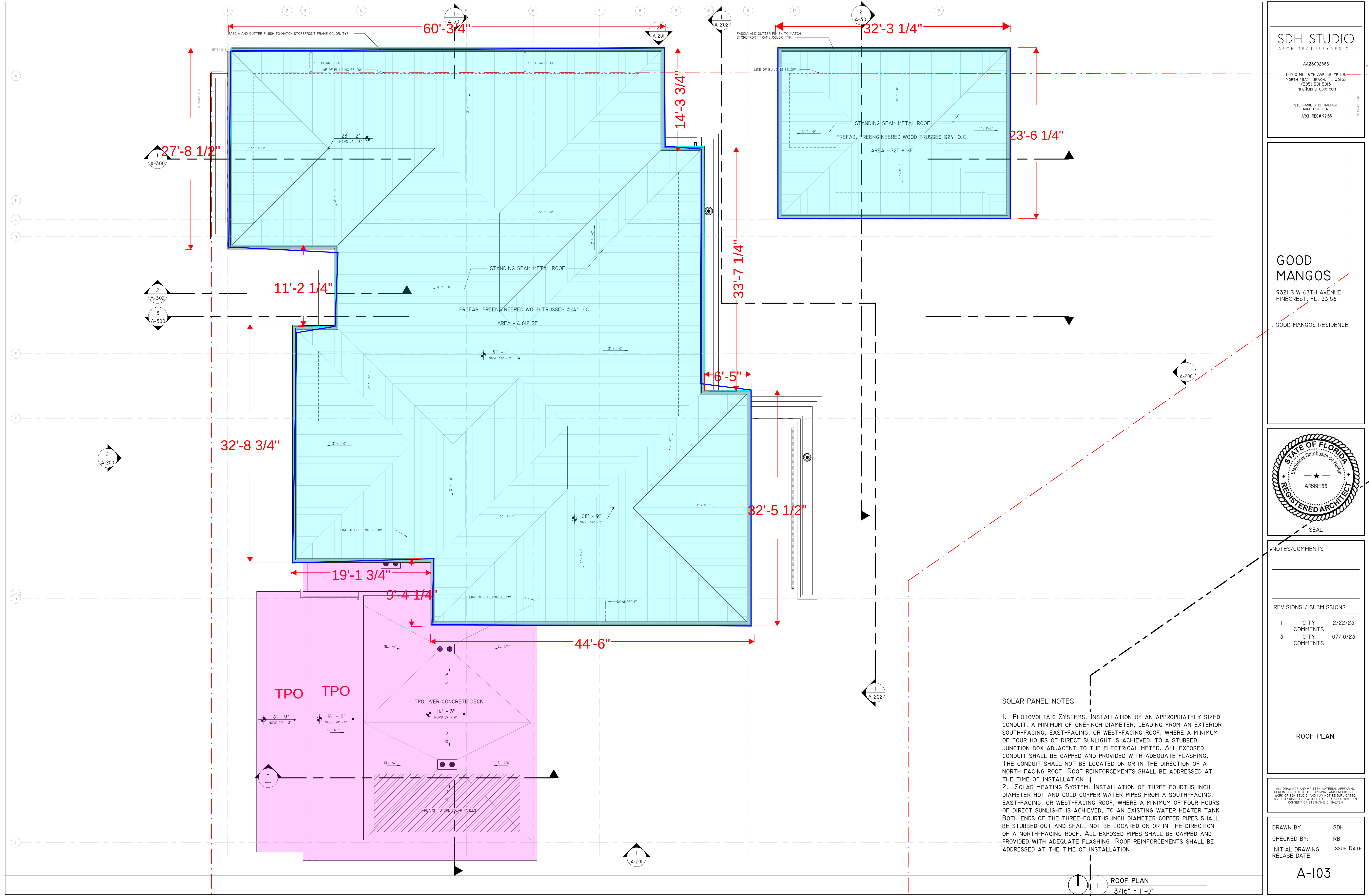
|                                        |                                           |                          |
|----------------------------------------|-------------------------------------------|--------------------------|
| Low Slope Roof Area (ft <sup>2</sup> ) | Steep Sloped Roof Area (ft <sup>2</sup> ) | Total (ft <sup>2</sup> ) |
| _____                                  | _____                                     | _____                    |

|                                             |     |    |                                |         |     |
|---------------------------------------------|-----|----|--------------------------------|---------|-----|
| 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  |

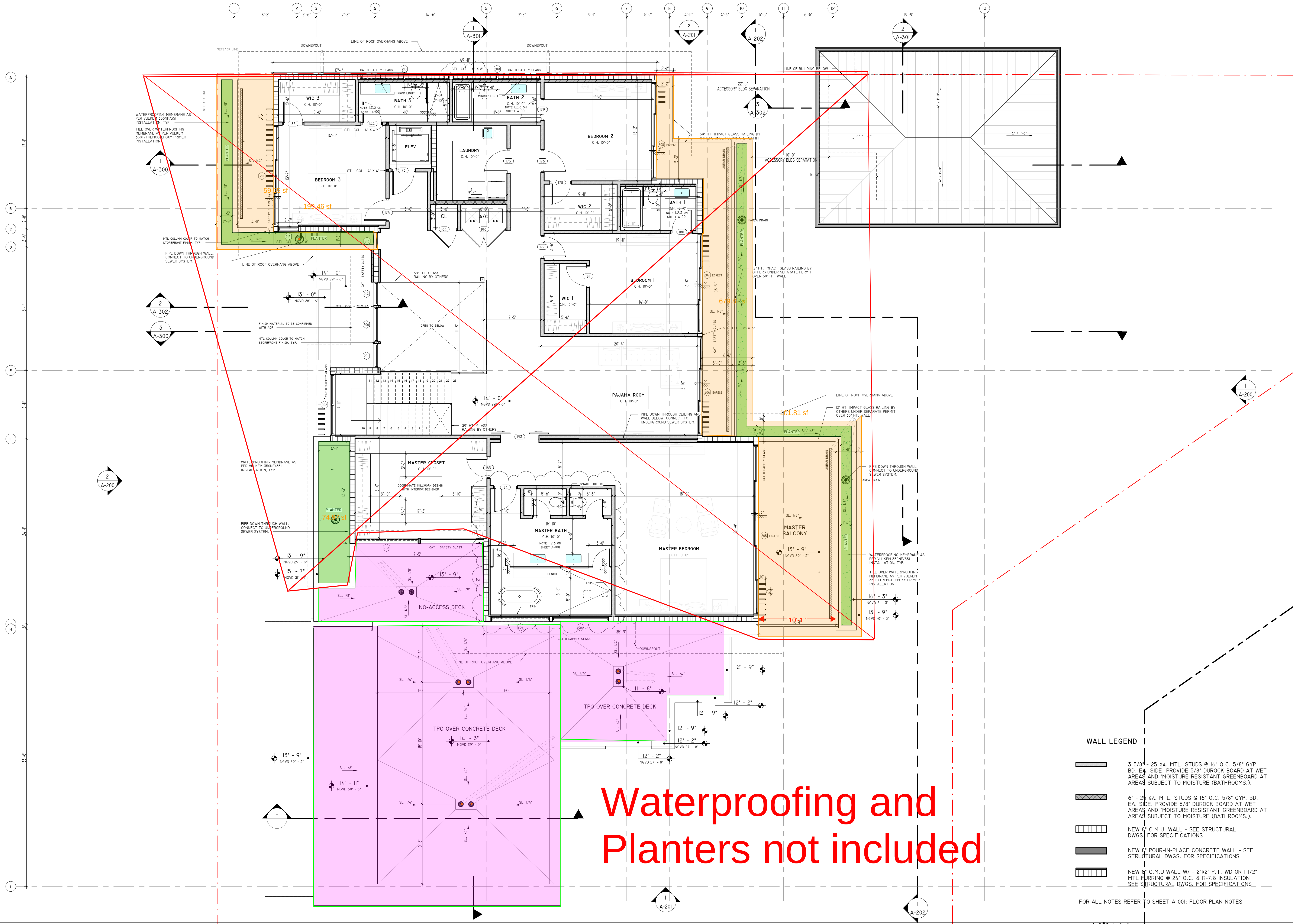
Section B (Roof Plan)

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.









Waterproofing and  
Planters not included

WALL LEGEND

- 3 5/8" - 25 GA. MTL. STUDS @ 16" O.C. 5/8" GYP. BD. EA. SIDE. PROVIDE 5/8" DUROCK BOARD AT WET AREAS AND \*MOISTURE RESISTANT GREENBOARD AT AREAS SUBJECT TO MOISTURE (BATHROOMS.).
- 6" - 25 GA. MTL. STUDS @ 16" O.C. 5/8" GYP. BD. EA. SIDE. PROVIDE 5/8" DUROCK BOARD AT WET AREAS AND \*MOISTURE RESISTANT GREENBOARD AT AREAS SUBJECT TO MOISTURE (BATHROOMS.).
- NEW 8" C.M.U. WALL - SEE STRUCTURAL DWGS. FOR SPECIFICATIONS
- NEW 8" POUR-IN-PLACE CONCRETE WALL - SEE STRUCTURAL DWGS. FOR SPECIFICATIONS
- NEW 8" C.M.U. WALL W/ - 2"x2" P.T. WD OR 1 1/2" MTL. FURRING @ 24" O.C. & R-7.8 INSULATION SEE STRUCTURAL DWGS. FOR SPECIFICATIONS

FOR ALL NOTES REFER TO SHEET A-001: FLOOR PLAN NOTES

2ND FLOOR  
3/16" = 1'-0"

SDH\_STUDIO  
ARCHITECTURE+DESIGN

AA26002883

18200 NE 19TH AVE, SUITE 100  
NORTH MIAMI BEACH, FL 33162  
(305) 501-5015  
INFO@SDHSTUDIO.COM

STEPHANE D. DE HALFEN  
ARCHITECT P.A.  
ARCH. REG # 99155

GOOD  
MANGOS

9321 S.W 67TH AVENUE,  
PINECREST, FL, 33156

GOOD MANGOS RESIDENCE

STATE OF FLORIDA  
Supreme Court of the State  
REGISTERED ARCHITECT  
AR99155  
SEAL

NOTES/COMMENTS

REVISIONS / SUBMISSIONS

|   |                   |          |
|---|-------------------|----------|
| 1 | CITY COMMENTS     | 2/22/23  |
| 2 | CITY COMMENTS     | 04/12/23 |
| 3 | CITY COMMENTS     | 07/10/23 |
| 4 | PLAN COORDINATION | DATE 4   |

SECOND FLOOR

ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF SDH STUDIO, AND MAY NOT BE REPRODUCED, USED, OR DISCLOSED WITHOUT THE EXPRESS WRITTEN CONSENT OF STEPHANE D. HALFEN

DRAWN BY: SDH  
CHECKED BY: RB  
INITIAL DRAWING  
RELEASE DATE:

A-102

# Florida Building Code 8th Edition (2023)

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

### Section C (Low Sloped Roof Systems)

Fill in Specific Roof Assembly Components and Identify manufacturer

(If a component is not used, identify as "NA")

System Manufacturer: \_\_\_\_\_

Product Approval # \_\_\_\_\_

Design Wind Pressures, from RAS 128 or Calculations:

Zone 1': \_\_\_\_\_ Zone 1: \_\_\_\_\_ Zone 2: \_\_\_\_\_

Zone 3: \_\_\_\_\_

Max. Design Pressure, from the specific product approval system: \_\_\_\_\_

Deck Type: \_\_\_\_\_

Gauge / Thickness: \_\_\_\_\_

Slope: \_\_\_\_\_

Anchor/ Base Sheet & No. of Ply(s): \_\_\_\_\_

Anchor/ Base Sheet Fastener/ Bonding Material: \_\_\_\_\_

Insulation Base Layer: \_\_\_\_\_

Base Insulation Size and Thickness: \_\_\_\_\_

Base Insulation Fastener/ Bonding Material: \_\_\_\_\_

Top Insulation Layer: \_\_\_\_\_

Top Insulation Size and Thickness: \_\_\_\_\_

Top Insulation Fastener/Bonding Material: \_\_\_\_\_

Base Sheet(s) & No. of Ply(s): \_\_\_\_\_

Base Sheet Fastener/ Bonding Material: \_\_\_\_\_

Ply Sheet(s) and No. of Ply(s): \_\_\_\_\_

Ply Sheet Fastener/ Bonding Material: \_\_\_\_\_

Top Ply: \_\_\_\_\_

Top Ply Fastener/ Bonding Material: \_\_\_\_\_

Surfacing: \_\_\_\_\_

Fastener Spacing for Anchor/Base Sheet Attachment:

Zone 1' \_\_\_\_\_ " oc @ Laps, # Rows \_\_\_\_\_ @ \_\_\_\_\_ " oc

Zone 1 \_\_\_\_\_ " oc @ Laps, # Rows \_\_\_\_\_ @ \_\_\_\_\_ " oc

Zone 2 \_\_\_\_\_ " oc @ Laps # Rows \_\_\_\_\_ @ \_\_\_\_\_ " oc

Zone 3 \_\_\_\_\_ " oc @ Laps, # Rows \_\_\_\_\_ @ \_\_\_\_\_ " oc

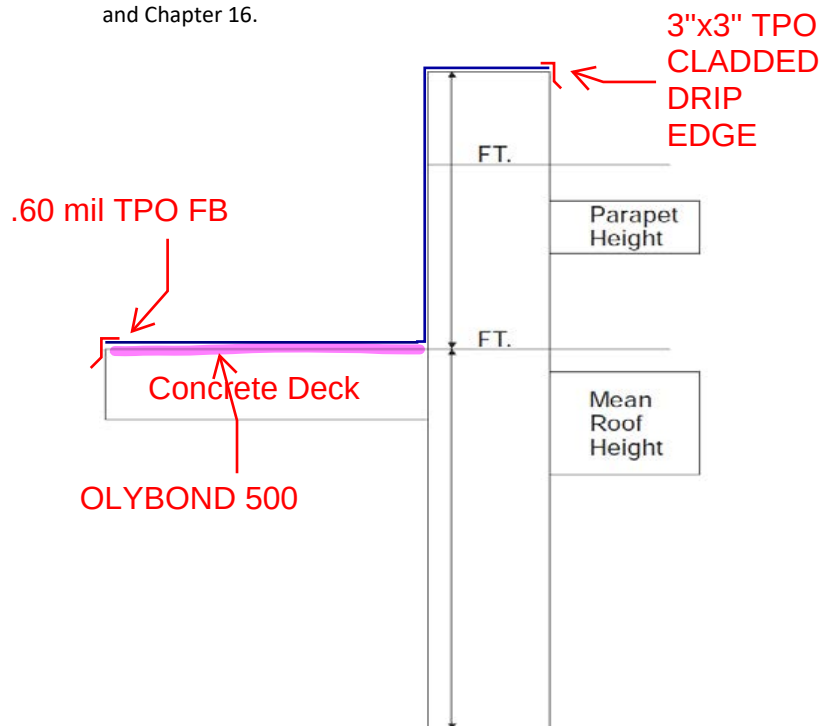
#### Number of Fasteners Per Insulation Board

Zone 1': \_\_\_\_\_ Zone1: \_\_\_\_\_ Zone 2: \_\_\_\_\_ Zone 3: \_\_\_\_\_

#### Illustrated Components Noted and Details as Applicable:

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

**Indicate:** Mean Roof Height, Parapet Height, Height Base Flashing, Component Material, Material Thickness, Fastener Type, Fastener Spacing or Submit Manufacturers Details that Comply with RAS 111 and Chapter 16.





"Delivering Excellence Every Day"

Miami-Dade County  
HVHZ Electronic Roof Permit Form  
Section D Metal Roof System

Roof System Manufacturer:

Notice of Acceptance Number:

Minimum Design Wind Pressures, (from RAS 127 or Calculations): P 1: P 2: P 3:

Maximum Design Wind Pressures, (From the NOA Specific system): psf

*Fill in the specific roof assembly components. If a component is not required, insert not applicable (n/a) in the text box.*



Roof Slope: "/12"

Roof Mean Height: ft.

Clip or Screw Spacing for Metal Roof Panel Attachment

Field: " o/c Perimeters: " o/c Corners: " o/c

Number of screws required per clip:

Perimeter Width: ft.

Screw Type, Size, & Gauge for Clip or Metal Panel Attachment:

Deck Type:

Optional Nailable Substrate:

Optional Nailable Substrate Attachment Method:

Optional Insulation:

Optional Insulation Attachment Method:

Fire Barrier:

Underlayment Type:

Underlayment Fastener Type:

Optional Peel & Stick Membrane:

Metal Roof Panel:

Drip Edge Size & Gauge:

Drip Edge Material Type:

Drip Edge Fastener Type:

Hook Strip/Cleat gauge or weight:





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](http://www.miamidade.gov/economy)

## NOTICE OF ACCEPTANCE (NOA)

Polyglass USA Inc.  
1111 W. Newport Center Drive  
Deerfield Beach, FL 33442

### 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: Polyglass Polystick Underlayments

**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# 24-1022.13 and consists of pages 1 through 22.  
The submitted documentation was reviewed by Alex Tigera.

03/20/25



NOA No.: 25-0121.12  
Expiration Date: 09/13/27  
Approval Date: 03/20/25  
Page 1 of 22



## ROOFING COMPONENT APPROVAL

**Category:** Roofing  
**Sub-Category:** Underlayment  
**Material:** SBS, APP

### PRODUCTS DESCRIPTION:

| <u>Product</u>                                                                                       | <u>Dimensions</u>                                                                                 | <u>Test Specification</u> | <u>Product Description</u>                                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Polystick IR-Xe</b><br><i>Manufacturing Location #1, #2, &amp; #3</i>                             | 65' x 3'3-3/8"<br>or<br>65' x 36"<br>or<br>33.4' x 3'3-3/8"<br>or<br>33.4' x 36"<br>60 mils thick | ASTM D1970                | A fine granular/sand top surface self-adhering, APP polymer modified, fiberglass reinforced, bituminous sheet material for use as an underlayment in sloped roof assemblies. Designed as an ice & rain shield. |
| <b>Polystick MU-X</b><br><i>Manufacturing Location #2</i>                                            | 65' x 3'<br>60 mils thick                                                                         | ASTM D1970                | A polypropylene film surface self-adhering, SBS polymer modified, fiberglass reinforced, bituminous sheet material for use as an underlayment in sloped roof assemblies. Designed as an ice & rain shield.     |
| <b>Polystick TU Max</b><br><i>Manufacturing Location #1, #2, #3, &amp; #5</i>                        | 65'8" x 3'3-3/8"<br>60 mils thick                                                                 | TAS 103                   | A rubberized asphalt self-adhering, polyester reinforced waterproofing membrane. Designed as a a roof tile underlayment.                                                                                       |
| <b>Polystick TU Max</b><br><i>Manufacturing Location #1 &amp; #3</i>                                 | 65'8" x 3'3-3/8"<br>60 mils thick                                                                 | ASTM D1970                | A rubberized asphalt self-adhering, polyester reinforced waterproofing membrane. Designed as a a roof tile underlayment.                                                                                       |
| <b>Polystick TU P</b><br><i>Manufacturing Location #1, #2, &amp; #3</i>                              | 32'10" x 3'3-3/8"<br>130 mils thick                                                               | TAS 103                   | A rubberized asphalt waterproofing membrane, glass-fiber/polyester reinforced, with a granular surface designed for use as a tile roof underlayment.                                                           |
| <b>Polystick TU Plus</b><br>(Surface Printing)<br><i>Manufacturing Location #1, #2, #3, &amp; #5</i> | 65' x 3'3-3/8"<br>80 mils thick                                                                   | TAS 103                   | A rubberized asphalt self-adhering, glass-fiber/polyester reinforced waterproofing membrane. Designed as a metal roofing and roof tile underlayment.                                                           |
| <b>Polystick TU Plus</b><br>(Surface Printing)<br><i>Manufacturing Location ##3 &amp; #5</i>         | 65' x 3'3-3/8"<br>80 mils thick                                                                   | ASTM D1970                | A rubberized asphalt self-adhering, glass-fiber/polyester reinforced waterproofing membrane. Designed as a metal roofing and roof tile underlayment.                                                           |



## PRODUCTS DESCRIPTION:

| <u>Product</u>                                                                   | <u>Dimensions</u>                              | <u>Test Specification</u>        | <u>Product Description</u>                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------|------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>HydraGuard Dual Pro</b><br><i>Manufacturing Location #1, #2, #3, &amp; #5</i> | 65' x 3'3 <sup>-3/8</sup> "<br>80 mils thick   | TAS 103                          | A rubberized asphalt self-adhering, glass-fiber/polyester reinforced waterproofing membrane. Designed as a metal roofing and roof tile underlayment.                                                                        |
| <b>HydraGuard Tile Pro</b><br><i>Manufacturing Location #1, #2, #3, &amp; #5</i> | 65' x 3'3 <sup>-3/8</sup> "<br>80 mils thick   | TAS 103                          | A rubberized asphalt self-adhering, glass-fiber/polyester reinforced waterproofing membrane. Designed as a metal roofing and roof tile underlayment.                                                                        |
| <b>Polystick MTS</b><br><i>Manufacturing Location #1, #2, #3, and #4</i>         | 65'8" x 3'3 <sup>-3/8</sup> "<br>60 mils thick | TAS 103                          | A homogeneous, rubberized asphalt waterproofing membrane, glass fiber reinforced with polyolefinic film on the upper surface for use as an underlayment for metal roofing, roof tile, slate tiles and shingle underlayment. |
| <b>Polystick MTS</b><br><i>Manufacturing Location #2, #3, #4, &amp; #5</i>       | 65'8" x 3'3 <sup>-3/8</sup> "<br>60 mils thick | ASTM D 1970                      | A homogeneous, rubberized asphalt waterproofing membrane, glass fiber reinforced with polyolefinic film on the upper surface for use as an underlayment for metal roofing, roof tile, slate tiles and shingle underlayment. |
| <b>Polystick MTS Plus</b><br><i>Manufacturing Location #1, #2, #3, &amp; #4</i>  | 65'8" x 3'3 <sup>-3/8</sup> "<br>60 mils thick | TAS 103                          | A homogeneous, rubberized asphalt waterproofing membrane, glass fiber reinforced with polyolefinic film on the upper surface for use as an underlayment for metal roofing, roof tile, slate tiles and shingle underlayment. |
| <b>Polystick MTS Plus</b><br><i>Manufacturing Location #2, #3, #4, &amp; #5</i>  | 65'8" x 3'3 <sup>-3/8</sup> "<br>60 mils thick | ASTM D 1970                      | A homogeneous, rubberized asphalt waterproofing membrane, glass fiber reinforced with polyolefinic film on the upper surface for use as an underlayment for metal roofing, roof tile, slate tiles and shingle underlayment. |
| <b>Elastoflex S6 G</b><br><i>Manufacturing Location #1 &amp; #2</i>              | 32'10" x 3'3 <sup>-3/8</sup> "                 | TAS 103 (partial) and ASTM D6164 | Polyester reinforced, SBS modified bitumen membrane with a sanded back face and a granule top surface. For use in roof tile underlayment systems.                                                                           |
| <b>Polyflex SA P</b><br><i>Manufacturing Location #2 &amp; #3</i>                | 32' 10" x 3' 3 <sup>-3/8</sup> "               | TAS 103 (partial) and ASTM D6222 | Self-adhered, polyester reinforced, APP modified bitumen membrane with a self-adhering back face and a granule top surface.                                                                                                 |
| <b>ELASTOFLEX SA V</b><br><i>Manufacturing Location #2, #3 &amp; #4</i>          | 65' 8" x 3' 3 <sup>-3/8</sup> "                | ASTM D1970                       | Self-adhered, fiberglass reinforced, SBS modified bitumen base or interplay membrane with a self-adhering back face and a smooth top surface.                                                                               |

## PRODUCTS DESCRIPTION:

| <u>Product</u>                                                                          | <u>Dimensions</u>                                        | <u>Test Specification</u> | <u>Product Description</u>                                                                                                                                                               |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ELASTOFLEX SA V Flashing Strips</b><br><i>Manufacturing Location #2, #3 &amp; #4</i> | Various                                                  | ASTM D1970                | Self-adhered, fiberglass reinforced, SBS flashing strip with a self-adhering back face and a smooth top surface.                                                                         |
| <b>Polyanchor HV</b><br><i>Manufacturing Location #6</i>                                | 61' x 39- <sup>3</sup> / <sub>8</sub> "                  | ASTM D226                 | Polymer modified base sheet.                                                                                                                                                             |
| <b>Polyanchor SU</b><br><i>Manufacturing Location #7</i>                                | 286' x 42"                                               | ASTM D8257                | Polyolefin-based synthetic underlayment with a woven polymeric scrim and a slip resistant textured fabric on the topside.                                                                |
| <b>Polystick XFR</b><br><i>Manufacturing Location #3 &amp; #4</i>                       | 49' x 39- <sup>3</sup> / <sub>8</sub> "<br>80 mils thick | TAS 103 (partial)         | A fire resistant, rubberized asphalt waterproofing membrane, glass fiber reinforced with polyolefinic film on the upper surface for use as an underlayment for shingle, metal, and wood. |
| <b>Polystick XFR</b><br><i>Manufacturing Location #4</i>                                | 49' x 39- <sup>3</sup> / <sub>8</sub> "<br>80 mils thick | ASTM D1970                | A fire resistant, rubberized asphalt waterproofing membrane, glass fiber reinforced with polyolefinic film on the upper surface for use as an underlayment for shingle, metal, and wood. |

## MANUFACTURING PLANTS:

1. Hazelton, PA
2. Winter Haven, FL
3. Waco, TX
4. Fernley, NV
5. Ponte di Piave TV, Italy
6. Kanjiza, Serbia
7. Silvassa, India



## EVIDENCE SUBMITTED

| <u>Test Agency</u> | <u>Test Identifier</u>  | <u>Test Name/Report</u>       | <u>Date</u> |
|--------------------|-------------------------|-------------------------------|-------------|
| PRI                | DAPF-002-02-01          | ASTM D1623                    | 03/08/18    |
|                    | 708T0203.1              | UL 1897                       | 07/28/23    |
|                    | 708T0233                | ASTM D8257                    | 11/02/23    |
|                    | 708T0222.5              | UL 1897                       | 11/06/23    |
|                    | 708T0227.1              | UL 1897                       | 11/06/23    |
|                    | 708T0227.2              | UL 1897                       | 11/06/23    |
|                    | 708T0227.3              | UL 1897                       | 11/06/23    |
|                    | 708T0227.4              | UL 1897                       | 11/06/23    |
|                    | 708T0227.5              | UL 1897                       | 11/06/23    |
|                    | 708T0193.1              | UL 1897                       | 11/29/23    |
|                    | 708T0234.3              | UL 1897                       | 01/18/24    |
|                    | 708T0234.5              | UL 1897                       | 01/18/24    |
|                    | 708T0235.1              | UL 1897                       | 01/19/24    |
|                    | 708T0235.2              | UL 1897                       | 01/19/24    |
|                    | 708T0235.3              | UL 1897                       | 01/19/24    |
|                    | 708T0235.4              | UL 1897                       | 01/19/24    |
| Trinity   ERD      | P40390.10.12            | ASTM D 1970                   | 10/03/12    |
|                    | P37590.07.13-1          | ASTM D6164                    | 07/02/13    |
|                    | P41630.08.13            | TAS 114 & FM 4474             | 08/06/13    |
|                    | P45270.05.14            | TAS 103, TAS 110 & ASTM D1623 | 05/12/14    |
|                    | P46520.10.14            | ASTM D1623                    | 10/03/14    |
|                    | P44360.10.14-R1         | TAS 103 & TAS 110             | 10/07/14    |
|                    | P43290.10.14-R1         | ASTM D 1970 & TAS 110         | 10/17/14    |
|                    | PLYG-SC7550.03.15       | TAS 103 & ASTM D4798          | 03/24/15    |
|                    | PLYG-SC10130.06.16-3    | TAS 103 & TAS 110             | 06/27/16    |
|                    | PLYG-SC10130.06.16-1    | ASTM D1970 & TAS 110          | 06/27/16    |
|                    | PLYG-SC10130.09.16      | ASTM D1623                    | 09/22/16    |
|                    | PLYG-SC13035.08.17      | TAS 103 & ASTM D4798          | 10/31/17    |
| NEMO ETC, LLC      | PLYG-SC13320.10.17-R1   | TAS 103                       | 10/25/17    |
|                    | 4-PLYG-18-004.03.18     | ASTM D1970                    | 03/29/18    |
|                    | 4S-PLYG-18-002.01.19-A  | ASTM D6163                    | 01/24/19    |
|                    | 4j-PLYG-19-SSUDL-00.A   | ASTM D1970                    | 09/10/19    |
|                    | 4S-PLYG-18-004.10.19-G  | TAS 103                       | 10/08/19    |
|                    | 4S-PLYG-18-004.10.19-I  | TAS 103                       | 10/08/19    |
|                    | 4S-PLYG-18-004.10.19-L  | TAS 103                       | 10/09/19    |
|                    | 4S-PLYG-18-004.12.19-F  | TAS 103                       | 12/18/19    |
|                    | 4j-PLYG-19-SSUDL-02.A   | TAS 103                       | 01/02/20    |
|                    | 4S-PLYG-18-004.01.20-H  | ASTM D1970                    | 01/14/20    |
|                    | 4S-PLYG-18-004.01.20.K  | ASTM D1970                    | 01/14/20    |
|                    | 4S-PLYG-18-004.01.20.A  | TAS 103                       | 01/16/20    |
|                    | 4S-PLYG-18-004.01.20.B  | ASTM D6164                    | 01/16/20    |
|                    | 4p-DOW-19-SSLAP-01.A.R2 | ASTM D1623                    | 02/10/20    |
|                    | PLYG-SC15855.05.20-A    | TAS 103 & TAS 110             | 05/29/20    |
|                    | 4j-PLYG-20-SSUDL-10.A   | ASTM D1970                    | 10/09/20    |
|                    | 4S-PLYG-18-004.12.19.D  | ASTM D1970                    | 10/27/20    |
|                    | 4j-PLYG-19-SSUDL-01.A   | TAS 103                       | 11/18/20    |
|                    | 4j-PLYG-20-SSUDL-05.C   | TAS 103                       | 11/19/20    |



**Deck Type 1:** Wood, non-insulated  
**Deck Description:** 19/32" plywood or wood plank  
**System Type F(1):** Membrane adhered direct to deck.  
**Membrane:** **Polystick IR-Xe, Polystick MTS Plus, Polystick TU Max, Polystick TU Plus or Polystick XFR**, self-adhered in accordance with FBC HVHZ 1518.2.1(1) and back-nailed using 12 ga. x 1-1/4" long x 3/8 head diameter annular ring shank roofing nails with 32 ga., 1-5/8" diameter tin caps max 12" o.c.  
**Surfacing:** See General Limitation 2.  
**Tile Roofing is not an approved roof covering for use with this assembly.**

**Deck Type 1:** Wood, non-insulated  
**Deck Description:** 15/32" PS 1-09 rated, 32/16 span rating, CDX, 4-ply plywood or wood plank secured with 0.113" x 2-3/8" ring shank nails spaced 6" o.c. along the perimeter and intermediate supports maximum spaced 24" o.c.  
**System Type F(2):** Membrane adhered direct to deck.  
**Membrane:** **Polystick TU Plus\*\*, HydraGuard Dual Pro\*\* or HydraGuard Tile Pro\*\***, back-nailed using 12 ga. x 1-1/4" long x 3/8 head diameter annular ring shank roofing nails with 32 ga., 1-5/8" diameter tin caps max 12" o.c.  
**Surfacing:** See General Limitation 2.  
**Underlayment Uplift Design Pressure:** -82.5 psf\*

\* Underlayment Uplift Design Pressure rating above is included for additional analysis of the underlayment assembly only by the Authority Having Jurisdiction. This value does not include the roof system. Refer to roof system NOA for maximum design pressure of the final roof assembly.

\*\*Winter Haven, FL. manufacturing location only.



## GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance.
2. **Polystick TU Plus, HydraGuard Dual Pro, and HydraGuard Tile Pro** may be used in asphaltic shingles, wood shakes and shingles, non-structural metal roofing, adhered roof tile using adhesives listed in the table below, and mechanically fastened roof tile systems and quarry slate roof assemblies.  
**Polystick XFR, Polystick MTS, and Polystick MTS Plus** may be used in asphaltic shingles, wood shakes and shingles, non-structural metal roofing, mechanically fastened roof tile systems and quarry slate roof assemblies.  
**Polystick TU P** may be used in asphaltic shingles, wood shakes and shingles, adhered roof tile using adhesives listed in the table below, and mechanically fastened roof tile systems and quarry slate roof assemblies.  
**Polystick IR-Xe** may be used in asphaltic shingles, wood shakes and shingles, and quarry slate roof assemblies.  
**Polystick TU Max** may be used in non-structural metal roofing, adhered roof tile using adhesives listed in the table below, and mechanically fastened roof tile systems.  
**Elastoflex S6 G, and Polyflex SA P** may be used in adhered roof tile using adhesives listed in the table below and mechanically fastened roof tile systems.  
**ELASTOFLEX SA V** may be used in asphaltic shingles, wood shakes and shingles, non-structural metal roofing, mechanically fastened roof tile systems and quarry slate roof assemblies.

| Roof Tile Adhesives Approved for Use with Tile Underlayment |                       |                              |                                             |                                               |                                                  |
|-------------------------------------------------------------|-----------------------|------------------------------|---------------------------------------------|-----------------------------------------------|--------------------------------------------------|
|                                                             | APOC Polyset<br>RTA-1 | APOC Polyset<br>AH-160 (HFC) | DAP Storm<br>Bond® Roof<br>Tile<br>Adhesive | DAP Storm<br>Bond® 2<br>Roof Tile<br>Adhesive | DuPont<br>TILE<br>BOND™<br>Roof Tile<br>Adhesive |
| <b>Polystick TU Plus</b>                                    | yes                   | yes                          | yes                                         | yes                                           | yes                                              |
| <b>HydraGuard Dual Pro</b>                                  | yes                   | yes                          | yes                                         | yes                                           | yes                                              |
| <b>HydraGuard Tile Pro</b>                                  | yes                   | yes                          | yes                                         | yes                                           | yes                                              |
| <b>Polystick TU P</b>                                       | yes                   | yes                          | yes                                         | yes                                           | yes                                              |
| <b>Polystick TU Max</b>                                     | yes                   | yes                          | yes                                         | yes                                           | yes                                              |
| <b>Elastoflex S6 G</b>                                      | yes                   | yes                          | yes                                         | yes                                           | yes                                              |
| <b>Polyflex SA P</b>                                        | yes                   | yes                          | yes                                         | yes                                           | yes                                              |

3. Deck requirements shall be in compliance with applicable building code.
4. **Polystick IR-Xe, Polystick MU-X, Polystick TU Max, Polystick TU P, Polystick TU Plus, HydraGuard Dual Pro, HydraGuard Tile Pro, Polystick MTS, Polystick XFR, Polystick MTS Plus, Elastoflex S6 G, Polyflex SA P or ELASTOFLEX SA V** shall be applied to a smooth, clean and dry surface. The deck shall be free of irregularities.
5. **Polystick IR-Xe, Polystick MU-X, Polystick TU Max, Polystick TU P, Polystick TU Plus, HydraGuard Dual Pro, HydraGuard Tile Pro, Polystick MTS, Polystick XFR, Polystick MTS Plus, Elastoflex S6 G, Polyflex SA P or ELASTOFLEX SA V** shall not be adhered directly over a pre-existing roof membrane as a recover system.

6. **Polystick IR-Xe, Polystick MU-X, Polystick TU Max, Polystick TU P, Polystick TU Plus, HydraGuard Dual Pro, HydraGuard Tile Pro, Polystick MTS, Polyanchor SU, Polystick XFR, Polystick MTS Plus, Elastoflex S6 G, Polyflex SA P or ELASTOFLEX SA V** shall not be left exposed as a temporary roof for longer than the amount of days listed in the table below after application. Polyglass reserves the right to revise or alter product exposure times; not to exceed the preceeding maximum time limitations.

| <b>Exposure Limitations (Days)</b>                                                                                                                                                              |                         |                     |                 |                    |                                 |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------|-----------------|--------------------|---------------------------------|------------------------|
|                                                                                                                                                                                                 | <b>Winter Haven, FL</b> | <b>Hazleton, PA</b> | <b>Waco, TX</b> | <b>Fernley, NV</b> | <b>Ponte di Piave TV, Italy</b> | <b>Silvassa, India</b> |
| <b>Polystick MTS</b>                                                                                                                                                                            | 180                     | 180                 | 180             | 180                | n/a                             | n/a                    |
| <b>Polystick IR-Xe</b>                                                                                                                                                                          | 90                      | 90                  | 90              | n/a                | n/a                             | n/a                    |
| <b>Elastoflex S6 G</b>                                                                                                                                                                          | 180                     | 180                 | n/a             | n/a                | n/a                             | n/a                    |
| <b>Polystick TU Plus</b>                                                                                                                                                                        | 180*                    | 180*                | 180*            | n/a                | 180                             | n/a                    |
| <b>Polystick TU P</b>                                                                                                                                                                           | 180                     | 180                 | 180             | n/a                | n/a                             | n/a                    |
| <b>Polystick TU Max</b>                                                                                                                                                                         | 180                     | 180                 | 180             | n/a                | 180                             | n/a                    |
| <b>Polystick MTS Plus</b>                                                                                                                                                                       | 180                     | 180                 | 180             | 180                | n/a                             | n/a                    |
| <b>Polystick MU-X</b>                                                                                                                                                                           | 180                     | 180                 | n/a             | 180                | n/a                             | n/a                    |
| <b>HydraGuard Dual Pro</b>                                                                                                                                                                      | 180                     | 180                 | 180             | n/a                | 180                             | n/a                    |
| <b>HydraGuard Tile Pro</b>                                                                                                                                                                      | 180                     | 180                 | 180             | n/a                | 180                             | n/a                    |
| <b>Polyflex SA P</b>                                                                                                                                                                            | 180                     | n/a                 | 180             | n/a                | n/a                             | n/a                    |
| <b>Polyanchor SU</b>                                                                                                                                                                            | n/a                     | n/a                 | n/a             | n/a                | n/a                             | 90                     |
| <b>ELASTOFLEX SA V</b>                                                                                                                                                                          | n/a                     | n/a                 | 30              | 30                 | n/a                             | n/a                    |
| <b>Polystick XFR</b>                                                                                                                                                                            | n/a                     | n/a                 | 180             | 180                | n/a                             | n/a                    |
| * If an Executive Order is in place, then the following underlayment: <b>Polystick TU Plus</b> may be left exposed an additional 180 days for a total of 360 days from the day of installation. |                         |                     |                 |                    |                                 |                        |

7. 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.

8. When loading roof tiles on roof tile underlayment for (direct-to-deck) tile assemblies, the maximum roof slope shall be as follows: (See Table Below)

| <b>Tile Slippage Limitations for Direct-to-Deck Tile Assemblies</b> |                                    |                              |                      |
|---------------------------------------------------------------------|------------------------------------|------------------------------|----------------------|
| <b>Underlayment</b>                                                 | <b>Tile Profile</b>                | <b>Staging Method</b>        | <b>Maximum Slope</b> |
| Elastoflex S6 G                                                     | Flat / Profiled                    | Max. 6-tile stack (4 over 2) | 4:12                 |
| Polystick TU P                                                      | Flat / Profiled                    | Max. 6-tile stack (4 over 2) | 6:12                 |
| Polystick TU Plus, HydraGuard Dual Pro, HydraGuard Tile Pro         | Flat / Profiled                    | Max. 6-tile stack (4 over 2) | 7:12                 |
| Polystick TU Plus, HydraGuard Dual Pro, HydraGuard Tile Pro         | Flat / Profiled                    | Max. 10-tile stack           | 6:12                 |
| Polystick TU Max                                                    | Flat                               | Max. 6-tile stack (4 over 2) | 6:12                 |
|                                                                     | Profiled*                          | Max. 6-tile stack (4 over 2) | 7:12                 |
|                                                                     | Profiled*                          | Max. 10-tile stack           | 6:12                 |
|                                                                     | Flat*                              | Max. 10-tile stack           | 7:12                 |
|                                                                     | *Only for Ponte di Piave TV, Italy |                              |                      |
| Polystick MTS, MTS Plus                                             | Flat Tile                          | Max. 6-tile stack (4 over 2) | 5:12                 |
|                                                                     | Profiled Tile                      | Max. 6-tile stack (4 over 2) | 4:12                 |
|                                                                     | Profiled Tile                      | Max. 6-tile stack (4 over 2) | 5:12                 |
| Polystick XFR                                                       | Flat / Profiled                    | Max. 10-tile stack           | 6:12                 |

| <b>Polystick Two-Ply Underlayment Systems</b>                                         |               |                              |      |
|---------------------------------------------------------------------------------------|---------------|------------------------------|------|
| Polystick MTS Plus with Polystick TU Plus, HydraGuard Dual Pro or HydraGuard Tile Pro | Flat Tile     | Max. 6-tile stack (4 over 2) | 7:12 |
|                                                                                       | Profiled Tile | Max. 6-tile stack (4 over 2) | 6:12 |
| Polystick MTS Plus with Polystick TU Max                                              | Flat Tile     | Max. 6-tile stack (4 over 2) | 7:12 |
|                                                                                       | Profiled Tile | Max. 6-tile stack (4 over 2) | 6:12 |
| Polystick MTS Plus with Polystick TU P                                                | Flat Tile     | Max. 6-tile stack (4 over 2) | 6:12 |
|                                                                                       | Profiled Tile | Max. 6-tile stack (4 over 2) | 5:12 |

The above slope limitations can be exceeded only by using battens in accordance with the Approved Tile System Notice of Acceptance and applicable Florida Building Code requirements. When battens are required, they shall be utilized during loading and installation of tiles.

9. Care should be taken during the loading procedure to keep foot traffic to a minimum and to avoid dropping of tile directly on the underlayment. Refer to Polyglass' Tile loading detail below for loading procedure – two tiles laid perpendicular to slope followed by a maximum four tile stack parallel to the slope, for a total of 6 tiles.

**Insulation:** — Minimum 1/2-in. thick "EnergyGuard™ Barrier" or "EnergyGuard™ HD Barrier" or "EnergyGuard™ NH Barrier" mechanically fastened with butt joints in the insulation staggered a minimum of 12-in. from butt joints in plywood roof deck.

**Membrane:** — EverGuard® TPO" 60-mil to 80-mil or "EverGuard Extreme® TPO" 50-mil to 80-mil fully adhered with "EverGuard® H2O Bonding Adhesive" or "EverGuard® WB 181 Bonding Adhesive", applied at a rate of 120-ft.<sup>2</sup>/gal. or fully adhered with "EverGuard® #1121 Bonding Adhesive" or "EverGuard TPO 1121 Bonding Adhesive" or with "EverGuard® TPO 3 Square Low VOC Bonding Adhesive 1168", applied at a rate of 60-ft.<sup>2</sup>/gal.; or fully adhered with "EverGuard® TPO Quick Spray Adhesive LV50" spray applied in full coverage to both the membrane and insulation (approximately 1000-ft.<sup>2</sup> of installed coverage per 27-lb. canister) or "EverGuard® TPO Quick Spray Adhesive" spray applied in full coverage to both the membrane and insulation (approximately 1000-ft.<sup>2</sup> of installed coverage per 30-lb. canister).

61. **Deck:** NC

**Incline:** 2-1/2

**Membrane:** — "EverGuard® TPO" 45-mil to 80-mil or "EverGuard Extreme® TPO" 50-mil to 80-mil, fully adhered with "EverGuard® WB 181 Bonding Adhesive", applied at a rate of 120-ft.<sup>2</sup>/gal.

62. **Deck:** C-15/32

**Incline:** 2-1/2

**Insulation (Optional):** — Any UL Classified, any thickness.

**Barrier Board:** — Minimum 1/4-in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck® Prime Roofboard" or "DensDeck® DuraGuard™ Roofboard"; or 5/8-in. thick Georgia-Pacific Gypsum LLC "DensDeck Prime® STORMX™ Roofboard"; or minimum 1/4-in. thick United States Gypsum Co. "SECUROCK® Roof Board" (Type FRX-G) or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX) or "SECUROCK UltraLight Coated Glass-Mat Roof Board" (Type SGMRX) or minimum 1/4-in. thick National Gypsum Co "DEXcell Glass Mat Roof Board" or "DEXcellFA Glass Mat Roof Board", mechanically fastened with all butt joints in the barrier board staggered a minimum of 6-in. from the butt joints in the plywood deck.

**Membrane:** — "EverGuard® TPO" 45-mil to 80-mil or "EverGuard Extreme® TPO" 50-mil to 80-mil, fully adhered with "EverGuard® WB 181 Bonding Adhesive", applied at a rate of 120-ft.<sup>2</sup>/gal.

63. **Deck:** NC

**Incline:** 2-1/2

**Membrane:** — "EverGuard® TPO FB Ultra" or "EverGuard® TPO Fleece-Back Membrane" or "EverGuard® TPO Fleece-Back Membrane 100", "EverGuard® TPO Fleece-Back Membrane 115", or "EverGuard® TPO Fleece-Back Membrane 135" 45 to 80 mil, or "EverGuard Extreme® TPO FB Ultra" or "EverGuard Extreme® TPO Fleece-Back Membrane" 50-mil to 80-mil, fully adhered with hot roofing asphalt or adhered with "LRF Adhesive M" or "LRF Adhesive O", applied as a nominal 3/4-in. diameter bead with a maximum on-center spacing of 12-in., applied parallel to the incline of the roof or adhered with OMG Inc. "OlyBond 500 Canister" applied in a spatter pattern (50% coverage).

64. **Deck:** NC

**Incline:** 1/2

**Insulation (Optional):** — "EnergyGuard™" or "EnergyGuard™ NH" or "EnergyGuard™ RF" or "EnergyGuard™ Ultra" or "EnergyGuard™ NH Ultra" or "EnergyGuard™ RA" or "EnergyGuard™ RA Tapered" or "EnergyGuard™ RA Ultra" or "EnergyGuard™ RA Ultra Tapered" or "EnergyGuard™ RA HD" or "EnergyGuard™ RN" or "EnergyGuard™ RM", any thickness, any combination.

**Cover Board (Optional):** — 1/2-in. thick "EnergyGuard™ HD" or "EnergyGuard™ HD Plus", "EnergyGuard™ HD Barrier" or "EnergyGuard™ NH HD" or "EnergyGuard™ NH HD Plus" or minimum 1.5-in. thick "EnergyGuard™ Polyiso – HD Composite Insulation" or "Ultra HD Composite Insulation", mechanically fastened.

**Membrane:** — "EverGuard® TPO" 45-mil to 80-mil thick or "EverGuard Extreme® TPO" 50-mil to 80-mil thick, fully adhered with "EverGuard® TPO Quick Spray Adhesive LV50" spray applied in full coverage to both the membrane and insulation (approximately 1000-ft.<sup>2</sup> of installed coverage per 27-lb. canister) or "EverGuard® TPO Quick Spray Adhesive" spray applied in full coverage to both the membrane and insulation (approximately 1000-ft.<sup>2</sup> of installed coverage per 30-lb. canister).

65. **Deck:** NC

**Incline:** 1/2

**Insulation (Optional):** — "EnergyGuard™" or "EnergyGuard™ NH" or "EnergyGuard™ RF" or "EnergyGuard™ Ultra" or "EnergyGuard™ NH Ultra" or "EnergyGuard™ RA" or "EnergyGuard™ RA Tapered" or "EnergyGuard™ RA Ultra" or "EnergyGuard™ RA Ultra Tapered" or "EnergyGuard™ RA HD" or "EnergyGuard™ RN" or "EnergyGuard™ RM",