Bradders Property Inspections

59 Sounders Trail Circle, Ormond Beach, Fl 32174

Rhett Bradley, Inspector #HI12066

COMMERCIAL WINDSTORM MITIGATION INSPECTION REPORT

FOR: Ocean Palm Villa North HOA,

September 10, 2024

Inspection address: Ocean Palm Villas North

Flagler Beach, Florida

Weather: Partly Cloudy, 88 degrees F,

intermittent rain showers, winds 22 mph

Time: 10:00 am

Description:

Complex consists of eight (8) independent structures with a total of 46 separate condominium units that are similar in construction whereas the front entry door is through the garage to a secondary door to the unit. The unit itself is a two-bedroom two bathroom home. The complex is divided into three phases – Buildings 1,2 and 3 (Ocean Palm Villas I) Buildings 4,5, and 6 (Ocean Palm Villas II) Buildings 7, and 8 (Ocean Palm Villas II) and Seven of the eight buildings were built in 1979 with the eighth building (building 5) constructed in 2011 (according to Flagler County records).

At the time of the inspection the weather conditions limited the ability to walk all roof areas, but all were visually inspected. There is no access to the underside of any roof areas therefore we were unable to assess the concrete roof conditions.

All the structures have Mansard designed roofs with Synthetic Spanish Barrel Roof tiles on the steep elevation. The flat roofs coverings vary from structure to structure; therefore, each has its own mitigation report, but are consistent with concrete roof and some tar and gravel build- up as original roofing.

All the garage doors are designed the same throughout with a low impact assembly and attachment. Several of the units in buildings 1,2, and 3 (Ocean Palm Villas I) have roll down storm shutters installed, but not all of them, thereby reducing the overall protection level of the structures. The front doors are all non-glazed and impact rated doors with an exterior storm door attached.

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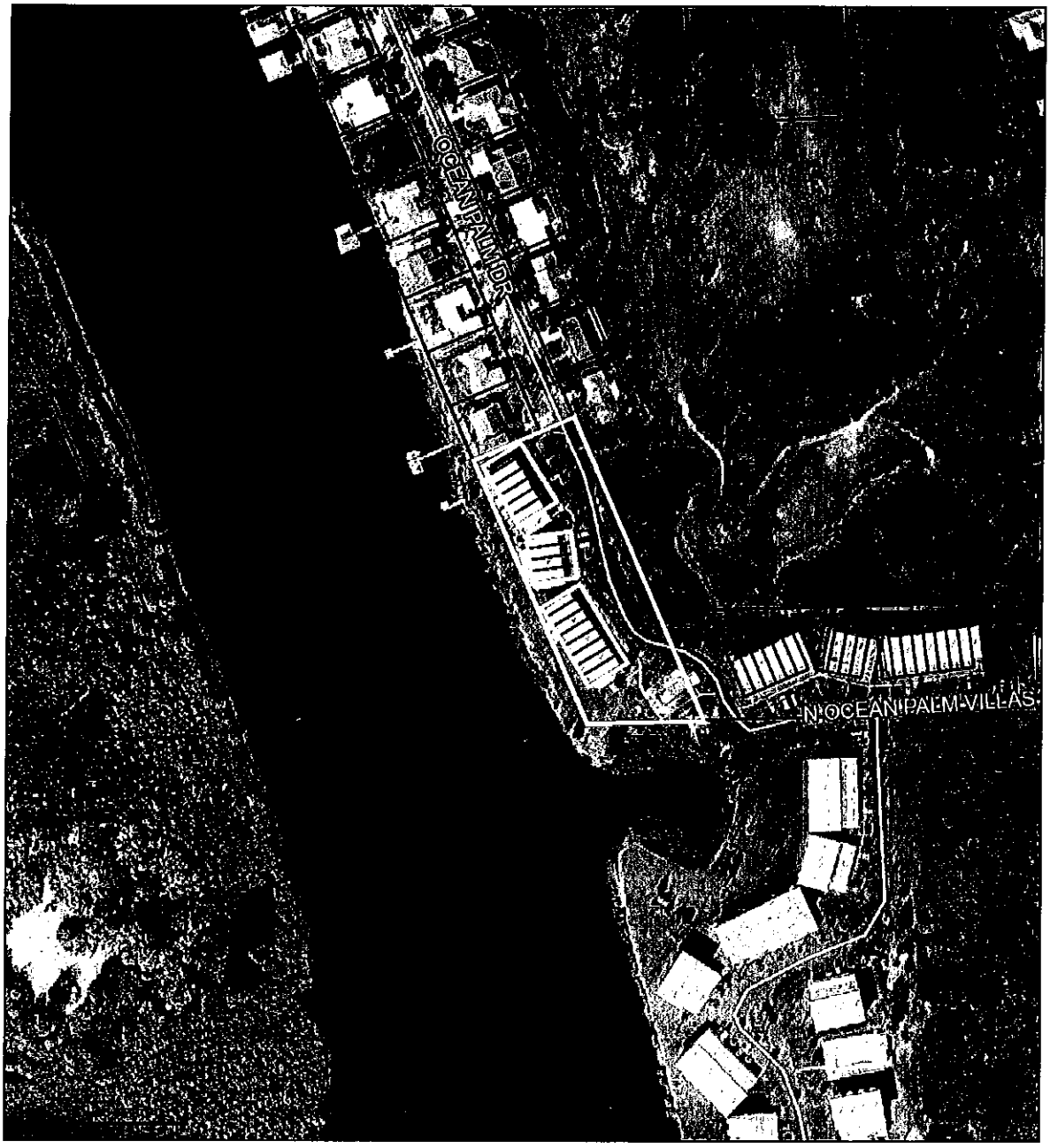
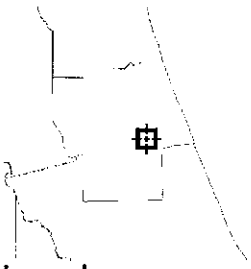


Overview



Legend

- Parcels
- Roads
- Streams and Rivers

Date created: 9/10/2024
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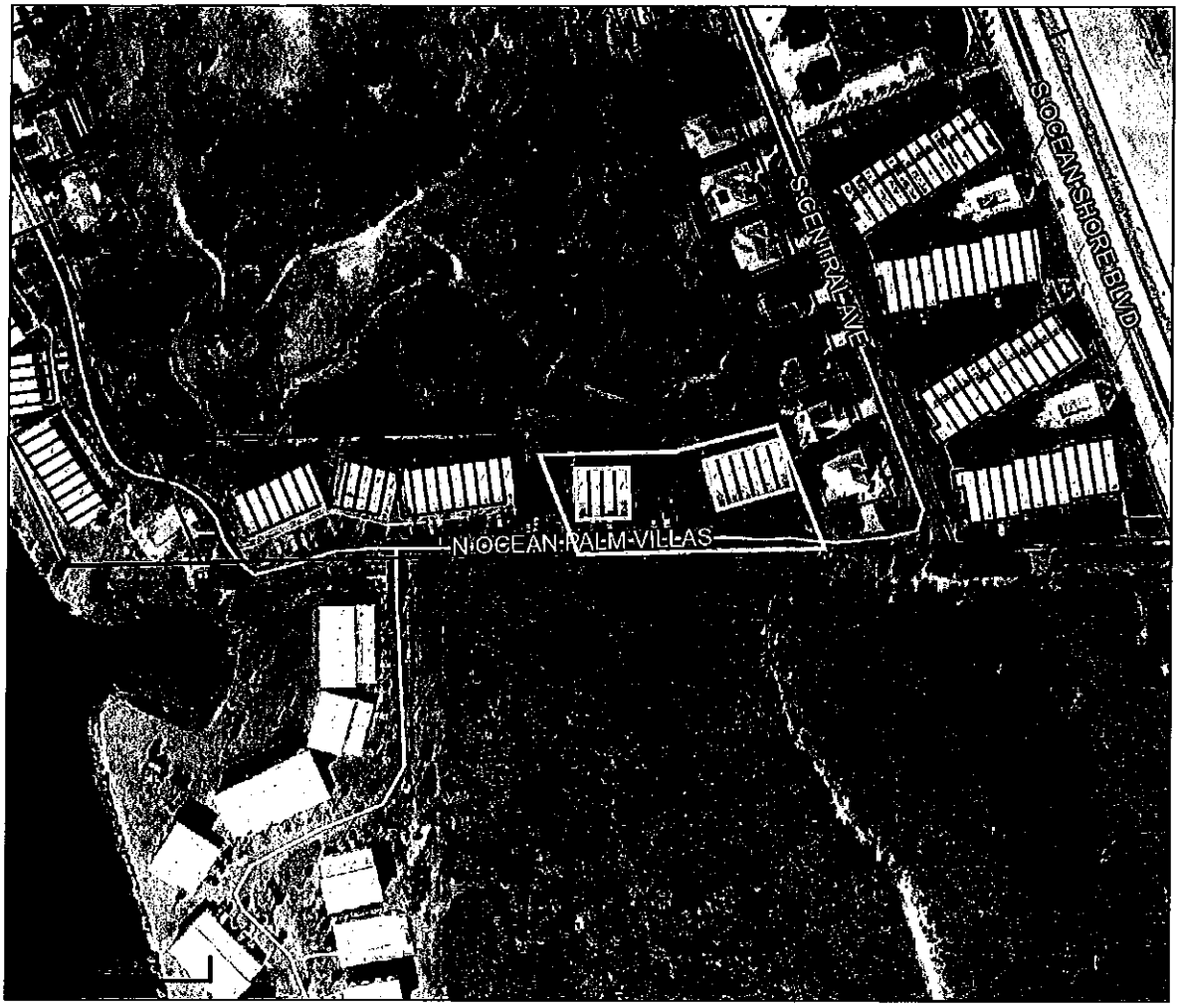
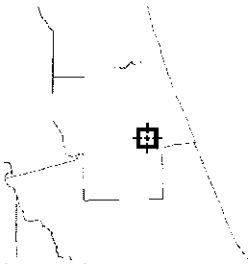


Overview



Legend

- Parcels
- Roads
- Streams and Rivers

Parcel ID	30-12-32-4875-00000-0001	**Owner**	OCEAN PALM VILLAS III PLAT BOOK 16 PG 1
Prop ID	86219		DEC OF CONDO OR 47 PG 671
Class Code	COMMON AREA/ELEMENTS		COMMON AREA ,
Taxing District	21	**Physical Address**	n/a
GIS sqft	28,915.421		

Land Value	$0
Ag Land Value	$0
Building Value	$0
Misc Value	$0
Just Value	$0
Assessed Value	$0
Exempt Value	$0
Taxable Value	$0

Last 2 Sales

Date	Price	Reason	Qual
n/a	0	n/a	n/a
n/a	0	n/a	n/a

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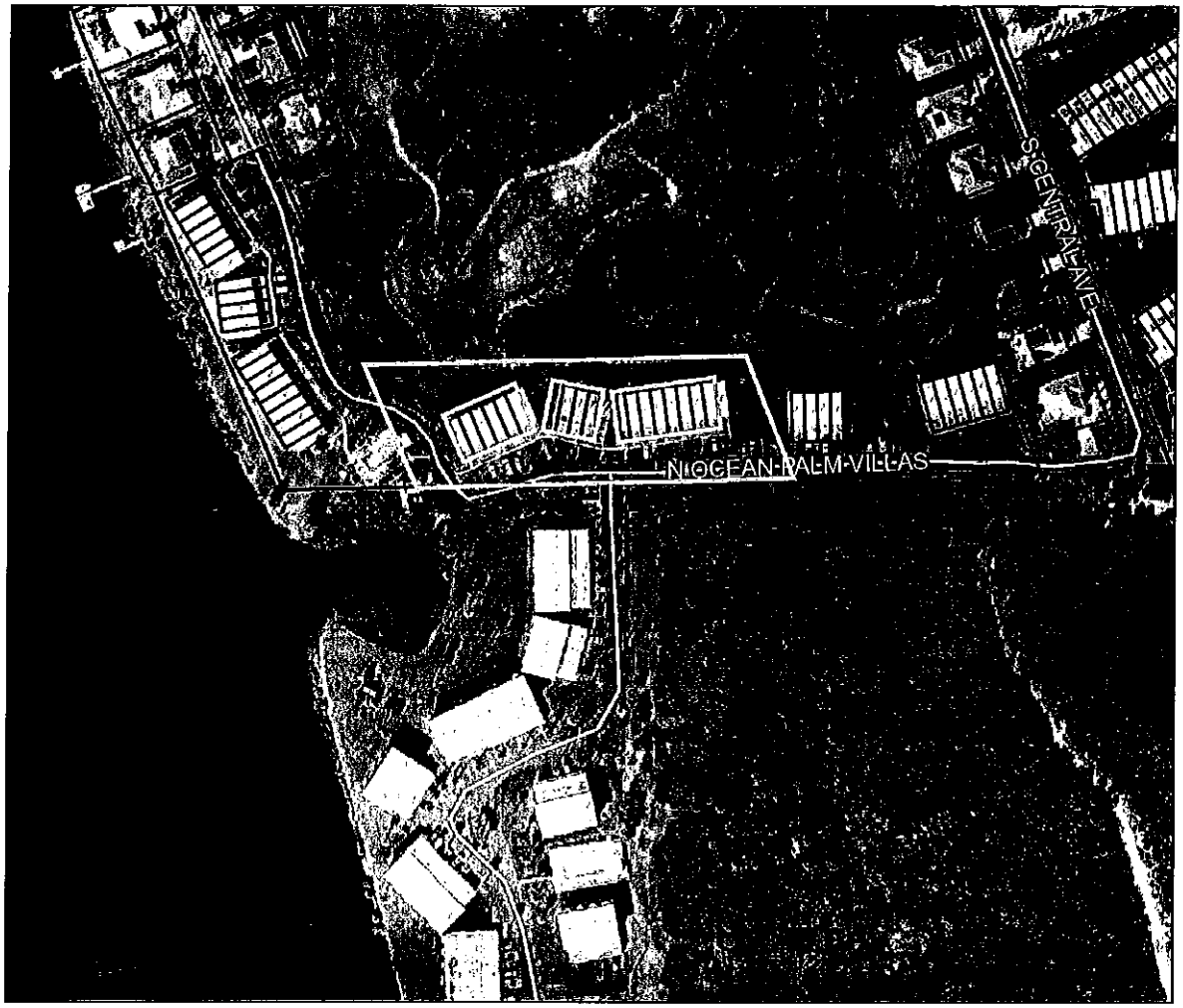

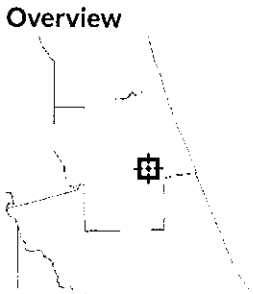

Parcel ID	30-12-32-4850-00000-0001	**Owner**	OCEAN PALM VILLAS II PLAT BOOK 11 PG 27
Prop ID	86199		DEC OF CONDO OR 42 PG 60
Class Code	COMMON AREA/ELEMENTS		COMMON AREA ,
Taxing District	21	**Physical Address**	n/a
GIS sqft	51,928.171		

		Last 2 Sales			
Land Value	$0				
Ag Land Value	$0	**Date**	**Price**	**Reason**	**Qual**
		n/a	0	n/a	n/a
Building Value	$0	n/a	0	n/a	n/a
Misc Value	$0				
Just Value	$0				
Assessed Value	$0				
Exempt Value	$0				
Taxable Value	$0				

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Developed by Schneider GEOSPATIAL

REASSESSMENT

OF MITIGATION

FEATURES BY

BUILDING

(OIR-B1-1802)

Building 1

1. Building Code: **Unknown or does not meet the requirements of A or B**
   The year of construction was verified as 1979 by the Flagler County Property Appraisers website
2. Roof Covering: **Polyurethane spray foam with silicone sealer upper level**
   - **Rolled Bitinum on lower level**
3. Roof Deck Attachment: **Concrete with Build up**
4. Roof to Wall attachment: **Not applicable**
5. Roof Geometry: **Hip roof**
6. **Inspector verified Mansard style roof**
7. SWR: **N/A (or none)**
   1. A secondary water resistance barrier is not applicable in this type of roofing
8. Opening Protection:
   a. **There are several glazed coverings that are uncovered.**
   b. **The garage doors meet low impact certification.**
   c. **Skylights are non-impact rated**

Building 2

1. Building Code: **Unknown or does not meet the requirements of A or B**
   The year of construction was verified as 1979 by the Flagler County Property Appraisers website
2. Roof Covering: **Polyurethane spray foam with silicone sealer upper level**
   - **TPO (thermoplastic polyolofin) lower level**
3. Roof Deck Attachment: **Concrete with Build up**
4. Roof to Wall attachment: **Not applicable**
5. Roof Geometry: **Hip roof**
   a. **Inspector verified Mansard style roof**
6. SWR: **N/A (or none)**
   - a secondary water resistance barrier is not applicable in this type of roofing

7. Opening Protection:
   a. **There are several glazed coverings that are uncovered.**
   b. **The garage doors meet low impact certification.**
8. **C. Skylights are non-impact rated**

Building 3

1. Building Code: **Unknown or does not meet the requirements of A or B**
   The year of construction was verified as 1979 by the Flagler County Property Appraisers website
2. Roof Covering: **TPO (thermoplastic polyolofin) upper and lower**
3. Roof Deck Attachment: **Concrete with Build up**
4. Roof to Wall attachment: **Not applicable**
5. Roof Geometry: **Hip roof**
   i. **Inspector verified Mansard style roof**
6. SWR: **N/A (or none)**
   - a secondary water resistance barrier is not applicable in this type of roofing
7. Opening Protection:
   a. **There are several glazed coverings that are uncovered.**
   b. **The garage doors meet low impact certification.**
   c. **Skylights are non-impact rated**

Building 4

1. Building Code: **Unknown or does not meet the requirements of A or B**
   The year of construction was verified as 1979 by the Flagler County Property Appraisers website
2. Roof Covering: **TPO (thermoplastic polyolofin) upper and lower**
3. Roof Deck Attachment: **Concrete with Build up**
4. Roof to Wall attachment: **Not applicable**
5. Roof Geometry: **Hip roof**
   i. **Inspector verified Mansard style roof**
6. SWR: **N/A (or none)**
   - a secondary water resistance barrier is not applicable in this type of roofing

7. Opening Protection:
   a. **There are no covered glazed openings**
   b. **The garage doors meet low impact certification.**
   c. **Skylights are non-impact rated**

Building 5

1. Building Code: **A – Structure built in compliance with FBC 2001 or later**
   The year of construction was verified as 2011 by the Flagler County Property Appraisers website
2. Roof Covering: **TPO (Rolled Bitinum) upper and lower**
3. Roof Deck Attachment: **Concrete with Build up**
4. Roof to Wall attachment: **Not applicable**
5. Roof Geometry: **Hip roof**
   i. **Inspector verified Mansard style roof**
6. SWR: **N/A (or none)**
   - a secondary water resistance barrier is not applicable in this type of roofing
7. Opening Protection:
   a. **There are no covered glazed openings**
   b. **The garage doors meet low impact certification.**
   c. **Skylights are impact rated**

Building 6

1. Building Code: : **Unknown or does not meet the requirements of A or B**
   The year of construction was verified as 1979 by the Flagler County Property Appraisers website
2. Roof Covering: **TPO (thermoplastic polyolofin) upper**
   Rolled Bitinum Lower
3. Roof Deck Attachment: **Concrete with Build up**
4. Roof to Wall attachment: **Not applicable**
5. Roof Geometry: **Hip roof**
   i. **Inspector verified Mansard style roof**
6. SWR: **N/A (or none)**
   - a secondary water resistance barrier is not applicable in this type of roofing
7. Opening Protection:
   b. **There are no covered glazed openings**
   c. **The garage doors meet low impact certification.**
   d. **Skylights are impact rated**

Building 7

1. Building Code: : **Unknown or does not meet the requirements of A or B**
   The year of construction was verified as 1979 by the Flagler County Property Appraisers website
2. Roof Covering: **TPO (thermoplastic polyolofin) upper Rolled Bitinum Lower**
3. Roof Deck Attachment: **Concrete with Build up**
4. Roof to Wall attachment: **Not applicable**
5. Roof Geometry: **Hip roof**
   i. **Inspector verified Mansard style roof**
6. SWR: **N/A (or none)**
   - a secondary water resistance barrier is not applicable in this type of roofing
7. Opening Protection:
   a. **There are no covered glazed openings**
   b. **The garage doors meet low impact certification.**
   c. **Skylights are impact rated**

Building 8

1. Building Code: : **Unknown or does not meet the requirements of A or B**
   The year of construction was verified as 1979 by the Flagler County Property Appraisers website
2. Roof Covering: **TPO (thermoplastic polyolofin) upper Rolled Bitinum Lower**
3. Roof Deck Attachment: **Concrete with Build up**
4. Roof to Wall attachment: **Not applicable**
5. Roof Geometry **: Hip Roof**
   a. **Inspector verified Mansard style roof**
6. SWR: **N/A (or none)**
   - a secondary water resistance barrier is not applicable in this type of roofing
8. Opening Protection:
   a. **There are no covered glazed openings**
   b. **The garage doors meet low impact certification.**
   c. **Skylights are impact rated**

Uniform Mitigation Verification Inspection Form

Maintain a copy of this form and any documentation provided with the insurance policy

Inspection Date: Sep 10, 2024		
Owner Information		
Owner Name: Ocean Palm Villas North HOA		Contact Person: Dana
Address: Building 1, Ocean Palm Villas 2		Home Phone:
City: Flagler Beach	Zip: 32136	Work Phone: 321-352-6278
County: Flagler		Cell Phone:
Insurance Company:		Policy #:
Year of Home: 1979	# of Stories: 2	Email: team@flcoastmgt.com

NOTE: Any documentation used in validating the compliance or existence of each construction or mitigation attribute must accompany this form. At least one photograph must accompany this form to validate each attribute marked in questions 3 though 7. The insurer may ask additional questions regarding the mitigated feature(s) verified on this form.

1. **Building Code**: Was the structure built in compliance with the Florida Building Code (FBC 2001 or later) OR for homes located in the HVHZ (Miami-Dade or Broward counties), South Florida Building Code (SFBC-94)?
   - ☐ A. Built in compliance with the FBC: Year Built 1979. For homes built in 2002/2003 provide a permit application with a date after 3/1/2002: Building Permit Application Date (MM/DD/YYYY)
   - ☐ B. For the HVHZ Only: Built in compliance with the SFBC-94: Year Built _____. For homes built in 1994, 1995, and 1996 provide a permit application with a date after 9/1/1994: Building Permit Application Date (MM/DD/YYYY)
   - ☑ C. Unknown or does not meet the requirements of Answer "A" or "B"
2. **Roof Covering:** Select all roof covering types in use. Provide the permit application date OR FBC/MDC Product Approval number OR Year of Original Installation/Replacement OR indicate that no information was available to verify compliance for each roof covering identified.

2.1 Roof Covering Type:	Permit Application Date	FBC or MDC Product Approval #	Year of Original Installation or Replacement	No Information Provided for Compliance
☐ 1. Asphalt/Fiberglass Shingle				☐
☐ 2. Concrete/Clay Tile				☐
☐ 3. Metal				☐
☐ 4. Built Up	Sep 19, 2019	19-1209.50		☐
☐ 5. Membrane				☐
☐ 6. Other	Sep 19, 2019	24-0709.01		☐

   - ☑ A. All roof coverings listed above meet the FBC with a FBC or Miami-Dade Product Approval listing current at time of installation OR have a roofing permit application date on or after 3/1/02 OR the roof is original and built in 2004 or later.
   - ☐ B. All roof coverings have a Miami-Dade Product Approval listing current at time of installation OR (for the HVHZ only) a roofing permit application after 9/1/1994 and before 3/1/2002 OR the roof is original and built in 1997 or later.
   - ☐ C. One or more roof coverings do not meet the requirements of Answer "A" or "B".
   - ☐ D. No roof coverings meet the requirements of Answer "A" or "B".
3. **Roof Deck Attachment**: What is the **weakest** form of roof deck attachment?
   - ☐ A. Plywood/Oriented strand board (OSB) roof sheathing attached to the roof truss/rafter (spaced a maximum of 24" inches o.c.) by staples or 6d nails spaced at 6" along the edge and 12" in the field. -OR- Batten decking supporting wood shakes or wood shingles. -OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that has an equivalent mean uplift less than that required for Options B or C below.
   - ☐ B. Plywood/OSB roof sheathing with a minimum thickness of 7/16"inch attached to the roof truss/rafter (spaced a maximum of 24"inches o.c.) by 8d common nails spaced a maximum of 12" inches in the field.-OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that is shown to have an equivalent or greater resistance 8d nails spaced a maximum of 12 inches in the field or has a mean uplift resistance of at least 103 psf.
   - ☐ C. Plywood/OSB roof sheathing with a minimum thickness of 7/16"inch attached to the roof truss/rafter (spaced a maximum of 24"inches o.c.) by 8d common nails spaced a maximum of 6" inches in the field. -OR- Dimensional lumber/Tongue & Groove decking with a minimum of 2 nails per board (or 1 nail per board if each board is equal to or less than 6 inches in width). -OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that is shown to have an equivalent

or greater resistance than 8d common nails spaced a maximum of 6 inches in the field or has a mean uplift resistance of at least 182 psf.

- [x] D. Reinforced Concrete Roof Deck.
- [ ] E. Other: _____
- [ ] F. Unknown or unidentified.
- [ ] G. No attic access.

4. **Roof to Wall Attachment:** What is the **WEAKEST** roof to wall connection? (Do not include attachment of hip/valley jacks within 5 feet of the inside or outside corner of the roof in determination of WEAKEST type)

- [ ] A. Toe Nails
  - [ ] Truss/rafter anchored to top plate of wall using nails driven at an angle through the truss/rafter and attached to the top plate of the wall, or
  - [ ] Metal connectors that do not meet the minimal conditions or requirements of B, C, or D

Minimal conditions to qualify for categories B, C, or D. All visible metal connectors are:

  - [ ] Secured to truss/rafter with a minimum of three (3) nails, **and**
  - [ ] Attached to the wall top plate of the wall framing, or embedded in the bond beam, with less than a ½" gap from the blocking or truss/rafter **and** blocked no more than 1.5" of the truss/rafter, **and** free of visible severe corrosion.

- [ ] B. Clips
  - [ ] Metal connectors that do not wrap over the top of the truss/rafter, **or**
  - [ ] Metal connectors with a minimum of 1 strap that wraps over the top of the truss/rafter and does not meet the nail position requirements of C or D, but is secured with a minimum of 3 nails.
- [ ] C. Single Wraps
  Metal connectors consisting of a single strap that wraps over the top of the truss/rafter and is secured with a minimum of 2 nails on the front side and a minimum of 1 nail on the opposing side.
- [ ] D. Double Wraps
  - [ ] Metal Connectors consisting of 2 separate straps that are attached to the wall frame, or embedded in the bond beam, on either side of the truss/rafter where each strap wraps over the top of the truss/rafter and is secured with a minimum of 2 nails on the front side, and a minimum of 1 nail on the opposing side, **or**
  - [ ] Metal connectors consisting of a single strap that wraps over the top of the truss/rafter, is secured to the wall on both sides, and is secured to the top plate with a minimum of three nails on each side.
- [ ] E. Structural Anchor bolts structurally connected or reinforced concrete roof.
- [x] F. Other: Poured Concrete
- [ ] G. Unknown or unidentified
- [x] H. No attic access

5. **Roof Geometry:** What is the roof shape? (Do not consider roofs of porches or carports that are attached only to the fascia or wall of the host structure over unenclosed space in the determination of roof perimeter or roof area for roof geometry classification).

- [x] A. Hip Roof — Hip roof with no other roof shapes greater than 10% of the total roof system perimeter.
  Total length of non-hip features: 0 feet; Total roof system perimeter: _____ feet
- [ ] B. Flat Roof — Roof on a building with 5 or more units where at least 90% of the main roof area has a roof slope of less than 2:12. Roof area with slope less than 2:12 _____ sq ft; Total roof area _____ sq ft
- [ ] C. Other Roof — Any roof that does not qualify as either (A) or (B) above.

6. **Secondary Water Resistance (SWR):** (standard underlayments or hot-mopped felts do not qualify as an SWR)

- [ ] A. SWR (also called Sealed Roof Deck) Self-adhering polymer modified-bitumen roofing underlayment applied directly to the sheathing or foam adhesive SWR barrier (not foamed-on insulation) applied as a supplemental means to protect the dwelling from water intrusion in the event of roof covering loss.
- [x] B. No SWR.
- [ ] C. Unknown or undetermined.

Inspectors Initials RMB **Property Address** Building 1, Ocean Palm Villas 2 Flagler Beach

***This verification form is valid for up to five (5) years provided no material changes have been made to the structure or inaccuracies found on the form.**

7. **Opening Protection:** What is the **weakest** form of wind borne debris protection installed on the structure? **First**, use the table to determine the weakest form of protection for each category of opening. **Second**, (a) check one answer below (A, B, C, N, or X) based upon the lowest protection level for ALL Glazed openings **and** (b) check the protection level for all Non-Glazed openings (.1, .2, or .3) as applicable.

Opening Protection Level Chart Place an "X" in each row to identify all forms of protection in use for each opening type. Check only one answer below (A thru X), based on the weakes form of protection (lowest row) for any of the Glazed openings and indicat the weakest form of protection (lowest row) for Non-Glazed openings.		Glazed Openings				Non-Glazed Openings	
		Windows or Entry Doors	Garage Doors	Skylights	Glass Block	Entry Doors	Garage Doors
N/A	Not Applicable- there are no openings of this type on the structure		X		X		
A	Verified cyclic pressure & large missile (9-lb for windows doors/4.5 lb for skylights)						
B	Verified cyclic pressure & large missile (4-8 lb for windows doors/2 lb for skylights)					X	X
C	Verified plywood/OSB meeting Table 1609.1.2 of the FBC 2007						
D	Verified Non-Glazed Entry or Garage doors indicating compliance with ASTM E 330, ANSI/DASMA 108, or PA/TAS 202 for wind pressure resistance						
N	Opening Protection products that appear to be A or B but are not verified						
	Other protective coverings that cannot be identified as A, B, or C						
X	No Windborne Debris Protection	X		X			

☐ **A. Exterior Openings Cyclic Pressure and 9-lb Large Missile (4.5 lb for skylights only)** All Glazed openings are protected at a minimum, with impact resistant coverings or products listed as wind borne debris protection devices in the product approval system of the State of Florida or Miami-Dade County and meet the requirements of one of the following for "Cyclic Pressure and Large Missile Impact" (Level A in the table above).

Miami-Dade County PA 201, 202, **and** 203

Florida Building Code Testing Application Standard (TAS) 201, 202, **and** 203

American Society for Testing and Materials (ASTM) E 1886 **and** ASTM E 1996

Southern Standards Technical Document (SSTD) 12

For Skylights Only: ASTM E 1886 **and** ASTM E 1996

For Garage Doors Only: ANSI/DASMA 115

☐ A.1 All Non-Glazed openings classified as A in the table above, or no Non-Glazed openings exist

☐ A.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level B, C, N, or X in the table above

☐ A.3 One or More Non-Glazed Openings is classified as Level B, C, N, or X in the table above

☐ **B. Exterior Opening Protection- Cyclic Pressure and 4 to 8-lb Large Missile (2-4.5 lb for skylights only)** All Glazed openings are protected, at a minimum, with impact resistant coverings or products listed as windborne debris protection devices in the product approval system of the State of Florida or Miami-Dade County and meet the requirements of one of the following for "Cyclic Pressure and Large Missile Impact" (Level B in the table above):

ASTM E 1886 **and** ASTM E 1996 (Large Missile – 4.5 lb.)

SSTD 12 (Large Missile – 4 lb. to 8 lb.)

For Skylights Only: ASTM E 1886 **and** ASTM E 1996 (Large Missile - 2 to 4.5 lb.)

☐ B.1 All Non-Glazed openings classified as A or B in the table above, or no Non-Glazed openings exist

☐ B.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level C, N, or X in the table above

☐ B.3 One or More Non-Glazed openings is classified as Level C, N, or X in the table above

☐ **C. Exterior Opening Protection- Wood Structural Panels meeting FBC 2007** All Glazed openings are covered with plywood/OSB meeting the requirements of Table 1609.1.2 of the FBC 2007 (Level C in the table above).

☐ C.1 All Non-Glazed openings classified as A, B, or C in the table above, or no Non-Glazed openings exist

☐ C.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level N or X in the table above

☐ C.3 One or More Non-Glazed openings is classified as Level N or X in the table above

Inspectors Initials RMB **Property Address** Building 1, Ocean Palm Villas 2 Flagler Beach

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☐ **N. Exterior Opening Protection (unverified shutter systems with no documentation)** All Glazed openings are protected with protective coverings not meeting the requirements of Answer "A", "B", or C" or systems that appear to meet Answer "A" or "B" with no documentation of compliance (Level N in the table above).

☐ N.1 All Non-Glazed openings classified as Level A, B, C, or N in the table above, or no Non-Glazed openings exist

☐ N.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level X in the table above

☐ N.3 One or More Non-Glazed openings is classified as Level X in the table above

☑ **X. None or Some Glazed Openings** One or more Glazed openings classified and Level X in the table above.

MITIGATION INSPECTIONS MUST BE CERTIFIED BY A QUALIFIED INSPECTOR.
Section 627.711(2), Florida Statutes, provides a listing of individuals who may sign this form.

Qualified Inspector Name:	License Type:	License or Certificate #:
RHETT M BRADLEY	Home Inspector	HI12066

Inspection Company:	Email:	Phone:
Bradders Property Inspection Services, LLC	BraddersPIS@gmail.com	386-243-2263

Qualified Inspector – I hold an active license as a : (check one)

☑ Home inspector licensed under Section 468.8314, Florida Statutes who has completed the statutory number of hours of hurricane mitigation training approved by the Construction Industry Licensing Board and completion of a proficiency exam.

☐ Building code inspector certified under Section 468.607, Florida Statutes.

☐ General, building or residential contractor licensed under Section 489.111, Florida Statutes.

☐ Professional engineer licensed under Section 471.015, Florida Statutes.

☐ Professional architect licensed under Section 481.213, Florida Statutes.

☐ Any other individual or entity recognized by the insurer as possessing the necessary qualifications to properly complete a uniform mitigation verification form pursuant to Section 627.711(2), Florida Statutes.

Individuals other than licensed contractors licensed under Section 489.111, Florida Statutes, or professional engineer licensed under Section 471.015, Florida Statues, must inspect the structures personally and not through employees or other persons. Licensees under s.471.015 or s.489.111 may authorize a direct employee who possesses the requisite skill, knowledge, and experience to conduct a mitigation verification inspection.

I, RHETT M BRADLEY **am a qualified inspector and I personally performed the inspection or (** ***licensed contractors and professional engineers only*** **) I had my employee (_____) perform the inspection**
(print name) **(print name of inspector)**

and I agree to be responsible for his/her work.

Qualified Inspector Signature: **Date:** Sep 10, 2024

An individual or entity who knowingly or through gross negligence provides a false or fraudulent mitigation verification form is subject to investigation by the Florida Division of Insurance Fraud and may be subject to administrative action by the appropriate licensing agency or to criminal prosecution. (Section 627.711(4)-(7), Florida Statutes) The Qualified Inspector who certifies this form shall be directly liable for the misconduct of employees as if the authorized mitigation inspector personally performed the inspection.

Homeowner to complete: I certify that the named Qualified Inspector or his or her employee did perform an inspection of the residence identified on this form and that proof of identification was provided to me or my Authorized Representative.

Signature: _____ **Date:** Sep 10, 2024

An individual or entity who knowingly provides or utters a false or fraudulent mitigation verification form with the intent to obtain or receive a discount on an insurance premium to which the individual or entity is not entitled commits a misdemeanor of the first degree. (Section 627.711(7), Florida Statutes)

The definitions on this form are for inspection purposes only and cannot be used to certify any product or construction feature as offering protection from hurricanes.

Inspectors Initials RMB **Property Address** Building 1, Ocean Palm Villas 2 Flagler Beach

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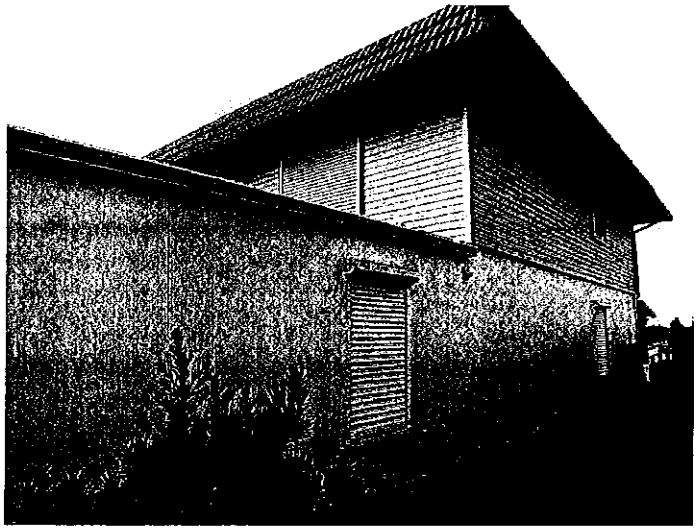

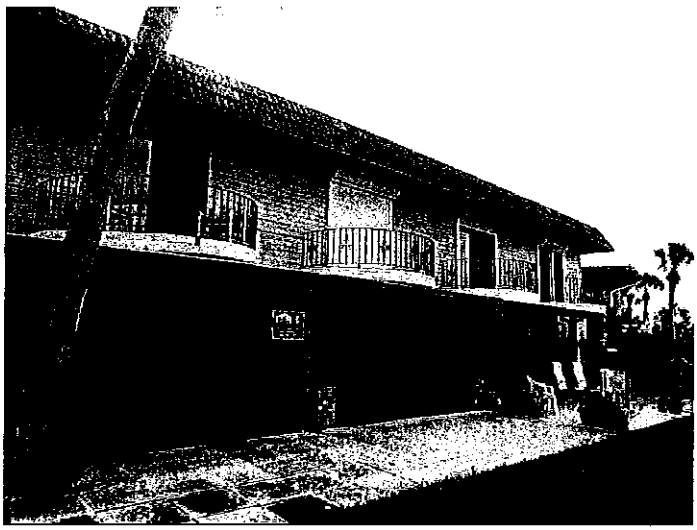

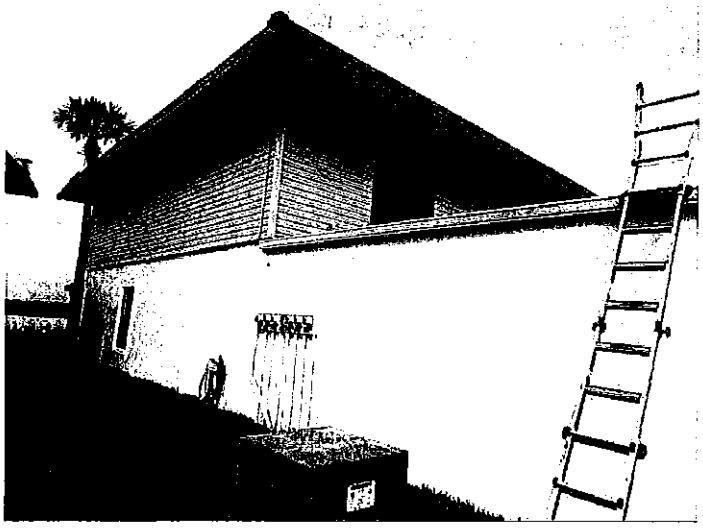

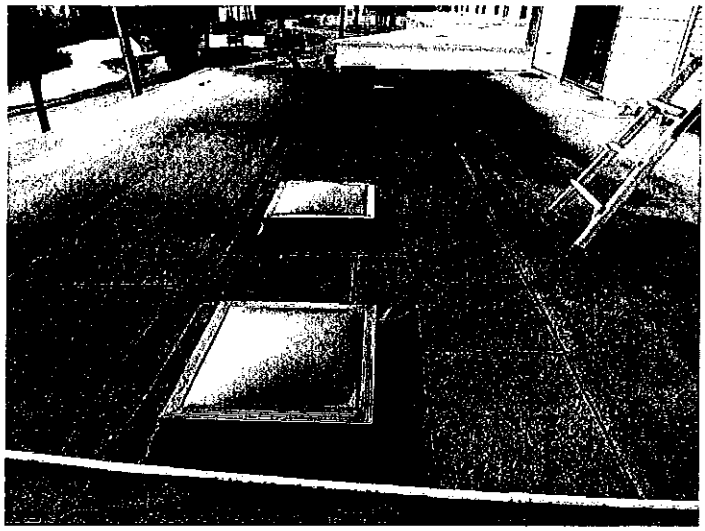

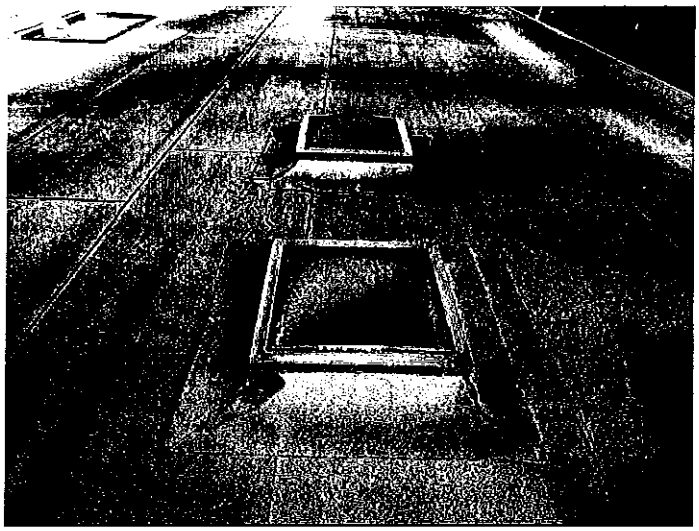

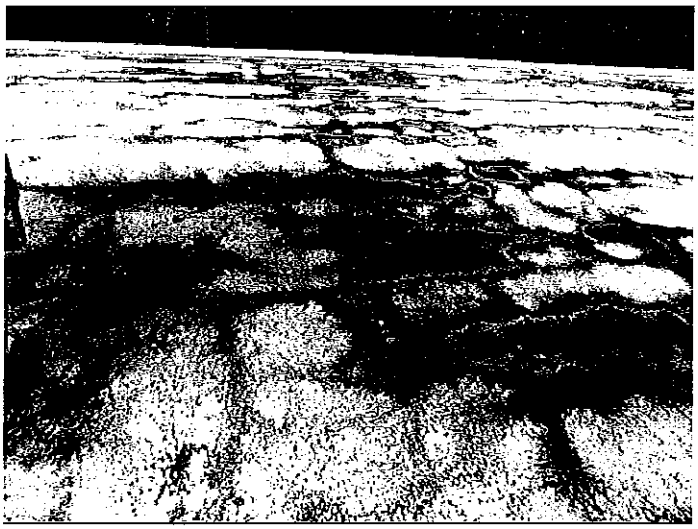

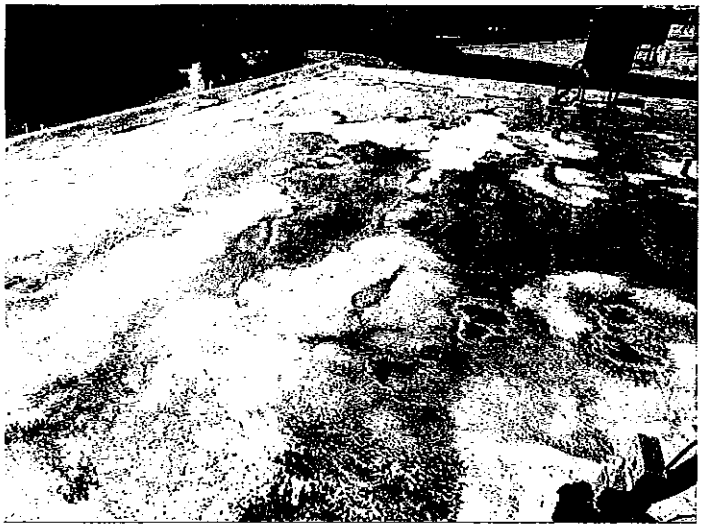

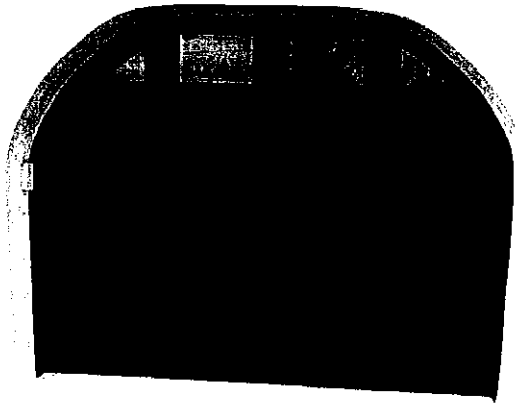

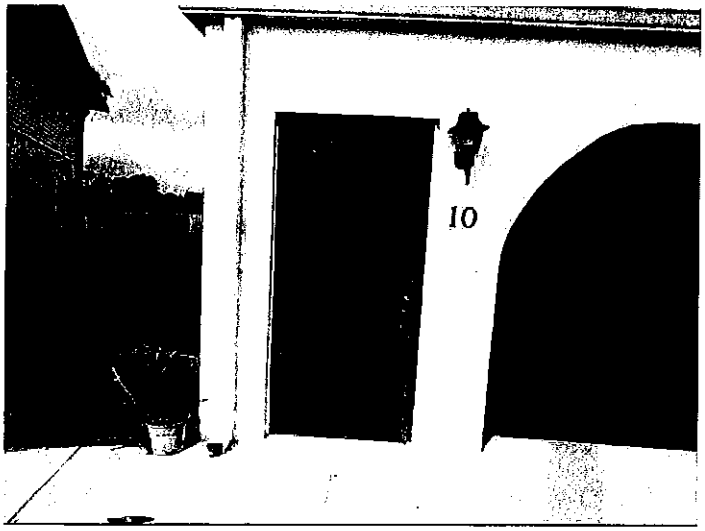
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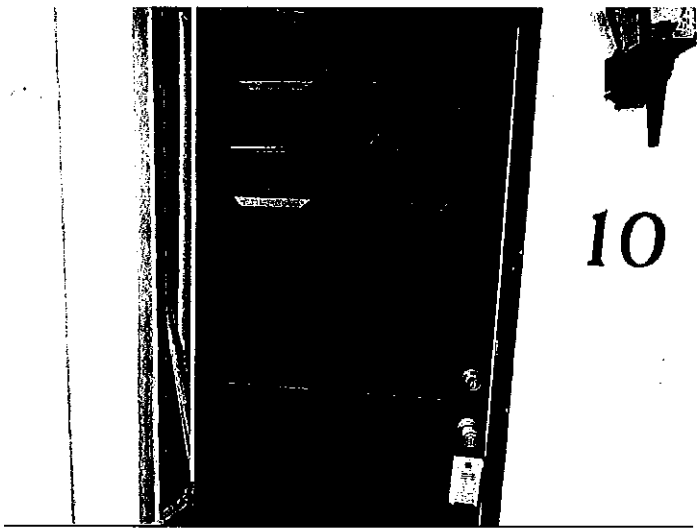
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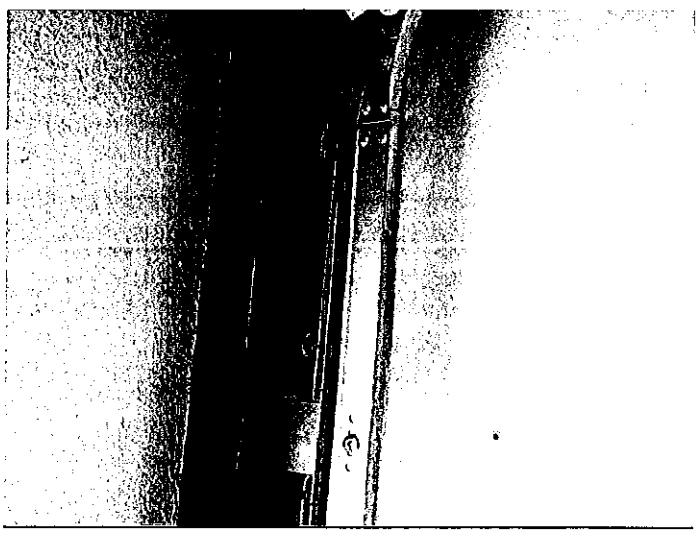

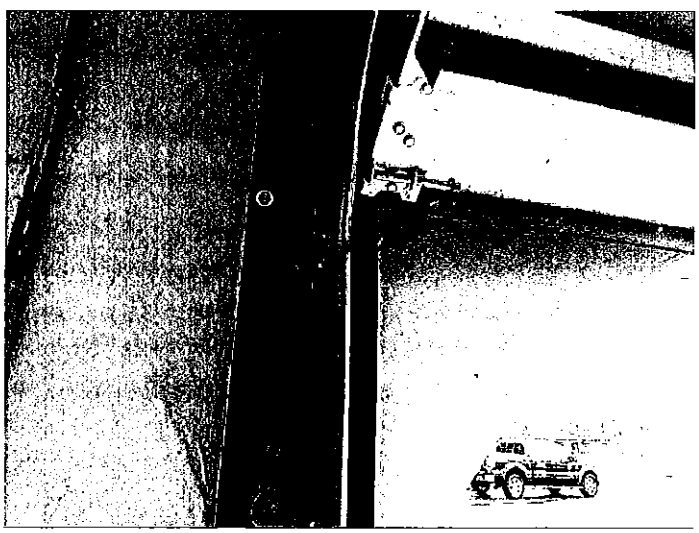

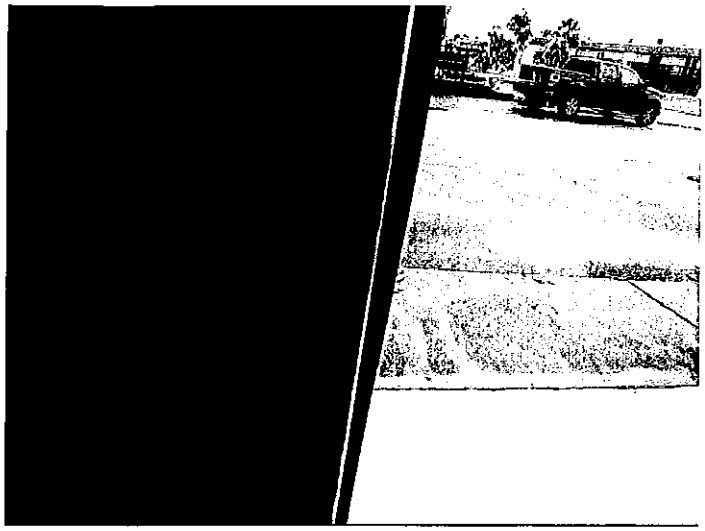

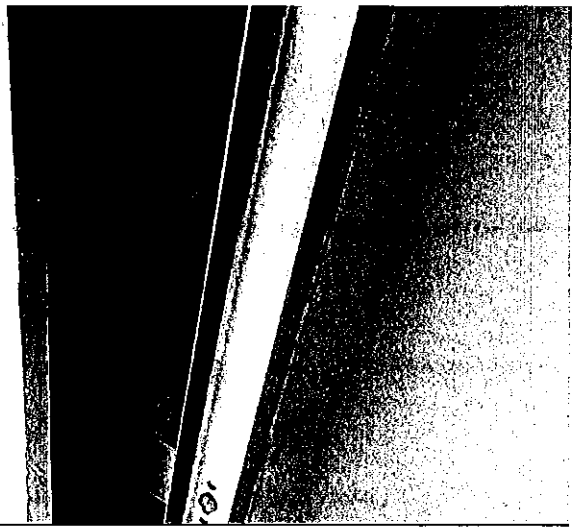

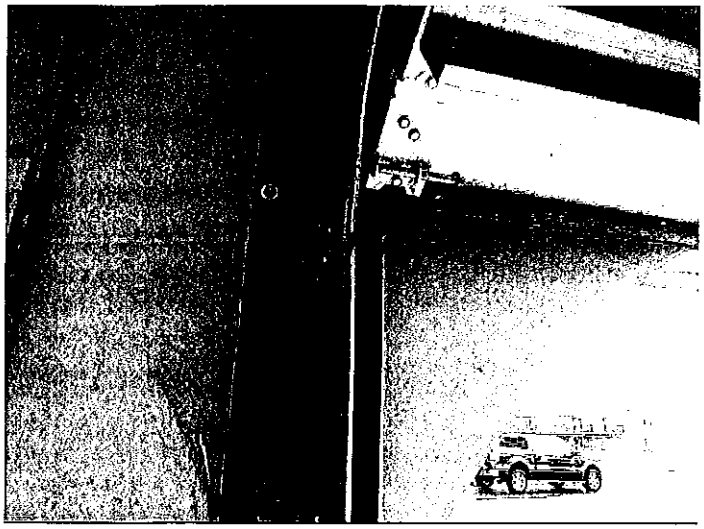

Uniform Mitigation Verification Inspection Form

Maintain a copy of this form and any documentation provided with the insurance policy

Inspection Date: Sep 10, 2024		
Owner Information		
Owner Name: Ocean Palm Villas North HOA		Contact Person: Dana
Address: Building 2, Ocean Palm Villas 1		Home Phone:
City: Flagler Beach	Zip: 32136	Work Phone: 321-352-6278
County: Flagler		Cell Phone:
Insurance Company:		Policy #:
Year of Home: 1979	# of Stories: 2	Email: team@flcoastmgt.com

NOTE: Any documentation used in validating the compliance or existence of each construction or mitigation attribute must accompany this form. At least one photograph must accompany this form to validate each attribute marked in questions 3 though 7. The insurer may ask additional questions regarding the mitigated feature(s) verified on this form.

1. **Building Code**: Was the structure built in compliance with the Florida Building Code (FBC 2001 or later) OR for homes located in the HVHZ (Miami-Dade or Broward counties), South Florida Building Code (SFBC-94)?

☐ A. Built in compliance with the FBC: Year Built 1979. For homes built in 2002/2003 provide a permit application with a date after 3/1/2002: Building Permit Application Date (MM/DD/YYYY)

☐ B. For the HVHZ Only: Built in compliance with the SFBC-94: Year Built _____. For homes built in 1994, 1995, and 1996 provide a permit application with a date after 9/1/1994: Building Permit Application Date (MM/DD/YYYY)

☑ C. Unknown or does not meet the requirements of Answer "A" or "B"

2. **Roof Covering:** Select all roof covering types in use. Provide the permit application date OR FBC/MDC Product Approval number OR Year of Original Installation/Replacement OR indicate that no information was available to verify compliance for each roof covering identified.

2.1 Roof Covering Type:	Permit Application Date	FBC or MDC Product Approval #	Year of Original Installation or Replacement	No Information Provided for Compliance
☐ 1. Asphalt/Fiberglass Shingle				☐
☐ 2. Concrete/Clay Tile				☐
☐ 3. Metal				☐
☐ 4. Built Up	Sep 19, 2019	19-1209.50		☐
☐ 5. Membrane				☐
☐ 6. Other	Sep 19, 2019	24-0709.01		☐

☑ A. All roof coverings listed above meet the FBC with a FBC or Miami-Dade Product Approval listing current at time of installation OR have a roofing permit application date on or after 3/1/02 OR the roof is original and built in 2004 or later.

☐ B. All roof coverings have a Miami-Dade Product Approval listing current at time of installation OR (for the HVHZ only) a roofing permit application after 9/1/1994 and before 3/1/2002 OR the roof is original and built in 1997 or later.

☐ C. One or more roof coverings do not meet the requirements of Answer "A" or "B".

☐ D. No roof coverings meet the requirements of Answer "A" or "B".

3. **Roof Deck Attachment**: What is the **weakest** form of roof deck attachment?

☐ A. Plywood/Oriented strand board (OSB) roof sheathing attached to the roof truss/rafter (spaced a maximum of 24" inches o.c.) by staples or 6d nails spaced at 6" along the edge and 12" in the field. -OR- Batten decking supporting wood shakes or wood shingles. -OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that has an equivalent mean uplift less than that required for Options B or C below.

☐ B. Plywood/OSB roof sheathing with a minimum thickness of 7/16"inch attached to the roof truss/rafter (spaced a maximum of 24"inches o.c.) by 8d common nails spaced a maximum of 12" inches in the field.-OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that is shown to have an equivalent or greater resistance 8d nails spaced a maximum of 12 inches in the field or has a mean uplift resistance of at least 103 psf.

☐ C. Plywood/OSB roof sheathing with a minimum thickness of 7/16"inch attached to the roof truss/rafter (spaced a maximum of 24"inches o.c.) by 8d common nails spaced a maximum of 6" inches in the field. -OR- Dimensional lumber/Tongue & Groove decking with a minimum of 2 nails per board (or 1 nail per board if each board is equal to or less than 6 inches in width). -OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that is shown to have an equivalent

or greater resistance than 8d common nails spaced a maximum of 6 inches in the field or has a mean uplift resistance of at least 182 psf.

- [x] D. Reinforced Concrete Roof Deck.
- [ ] E. Other: _____
- [ ] F. Unknown or unidentified.
- [ ] G. No attic access.

4. **Roof to Wall Attachment:** What is the **WEAKEST** roof to wall connection? (Do not include attachment of hip/valley jacks within 5 feet of the inside or outside corner of the roof in determination of WEAKEST type)

- [ ] A. Toe Nails
  - [ ] Truss/rafter anchored to top plate of wall using nails driven at an angle through the truss/rafter and attached to the top plate of the wall, or
  - [ ] Metal connectors that do not meet the minimal conditions or requirements of B, C, or D

Minimal conditions to qualify for categories B, C, or D. All visible metal connectors are:

- [ ] Secured to truss/rafter with a minimum of three (3) nails, **and**
- [ ] Attached to the wall top plate of the wall framing, or embedded in the bond beam, with less than a ½" gap from the blocking or truss/rafter **and** blocked no more than 1.5" of the truss/rafter, **and** free of visible severe corrosion.

- [ ] B. Clips
  - [ ] Metal connectors that do not wrap over the top of the truss/rafter, **or**
  - [ ] Metal connectors with a minimum of 1 strap that wraps over the top of the truss/rafter and does not meet the nail position requirements of C or D, but is secured with a minimum of 3 nails.
- [ ] C. Single Wraps
  Metal connectors consisting of a single strap that wraps over the top of the truss/rafter and is secured with a minimum of 2 nails on the front side and a minimum of 1 nail on the opposing side.
- [ ] D. Double Wraps
  - [ ] Metal Connectors consisting of 2 separate straps that are attached to the wall frame, or embedded in the bond beam, on either side of the truss/rafter where each strap wraps over the top of the truss/rafter and is secured with a minimum of 2 nails on the front side, and a minimum of 1 nail on the opposing side, **or**
  - [ ] Metal connectors consisting of a single strap that wraps over the top of the truss/rafter, is secured to the wall on both sides, and is secured to the top plate with a minimum of three nails on each side.
- [ ] E. Structural Anchor bolts structurally connected or reinforced concrete roof.
- [x] F. Other: Poured Concrete
- [ ] G. Unknown or unidentified
- [x] H. No attic access

5. **Roof Geometry:** What is the roof shape? (Do not consider roofs of porches or carports that are attached only to the fascia or wall of the host structure over unenclosed space in the determination of roof perimeter or roof area for roof geometry classification).

- [x] A. Hip Roof — Hip roof with no other roof shapes greater than 10% of the total roof system perimeter.
  Total length of non-hip features: 0 feet; Total roof system perimeter: _____ feet
- [ ] B. Flat Roof — Roof on a building with 5 or more units where at least 90% of the main roof area has a roof slope of less than 2:12. Roof area with slope less than 2:12 _____ sq ft; Total roof area _____ sq ft
- [ ] C. Other Roof — Any roof that does not qualify as either (A) or (B) above.

6. **Secondary Water Resistance (SWR):** (standard underlayments or hot-mopped felts do not qualify as an SWR)

- [ ] A. SWR (also called Sealed Roof Deck) Self-adhering polymer modified-bitumen roofing underlayment applied directly to the sheathing or foam adhesive SWR barrier (not foamed-on insulation) applied as a supplemental means to protect the dwelling from water intrusion in the event of roof covering loss.
- [x] B. No SWR.
- [ ] C. Unknown or undetermined.

Inspectors Initials RMB **Property Address** Building 2, Ocean Palm Villas 1 Flagler Beach

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7. **Opening Protection:** What is the **weakest** form of wind borne debris protection installed on the structure? **First**, use the table to determine the weakest form of protection for each category of opening. **Second**, (a) check one answer below (A, B, C, N, or X) based upon the lowest protection level for ALL Glazed openings **and** (b) check the protection level for all Non-Glazed openings (.1, .2, or .3) as applicable.

Opening Protection Level Chart Place an "X" in each row to identify all forms of protection in use for each opening type. Check only one answer below (A thru X), based on the weakes form of protection (lowest row) for any of the Glazed openings and indicat the weakest form of protection (lowest row) for Non-Glazed openings.		Glazed Openings				Non-Glazed Openings	
		Windows or Entry Doors	Garage Doors	Skylights	Glass Block	Entry Doors	Garage Doors
N/A	Not Applicable- there are no openings of this type on the structure		X		X		
A	Verified cyclic pressure & large missile (9-lb for windows doors/4.5 lb for skylights)						
B	Verified cyclic pressure & large missile (4-8 lb for windows doors/2 lb for skylights)					X	X
C	Verified plywood/OSB meeting Table 1609.1.2 of the FBC 2007						
D	Verified Non-Glazed Entry or Garage doors indicating compliance with ASTM E 330, ANSI/DASMA 108, or PA/TAS 202 for wind pressure resistance						
N	Opening Protection products that appear to be A or B but are not verified						
	Other protective coverings that cannot be identified as A, B, or C						
X	No Windborne Debris Protection	X		X			

☐ **A. Exterior Openings Cyclic Pressure and 9-lb Large Missile (4.5 lb for skylights only)** All Glazed openings are protected at a minimum, with impact resistant coverings or products listed as wind borne debris protection devices in the product approval system of the State of Florida or Miami-Dade County and meet the requirements of one of the following for "Cyclic Pressure and Large Missile Impact" (Level A in the table above).

Miami-Dade County PA 201, 202, **and** 203

Florida Building Code Testing Application Standard (TAS) 201, 202, **and** 203

American Society for Testing and Materials (ASTM) E 1886 **and** ASTM E 1996

Southern Standards Technical Document (SSTD) 12

For Skylights Only: ASTM E 1886 **and** ASTM E 1996

For Garage Doors Only: ANSI/DASMA 115

☐ A.1 All Non-Glazed openings classified as A in the table above, or no Non-Glazed openings exist

☐ A.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level B, C, N, or X in the table above

☐ A.3 One or More Non-Glazed Openings is classified as Level B, C, N, or X in the table above

☐ **B. Exterior Opening Protection- Cyclic Pressure and 4 to 8-lb Large Missile (2-4.5 lb for skylights only)** All Glazed openings are protected, at a minimum, with impact resistant coverings or products listed as windborne debris protection devices in the product approval system of the State of Florida or Miami-Dade County and meet the requirements of one of the following for "Cyclic Pressure and Large Missile Impact" (Level B in the table above):

ASTM E 1886 **and** ASTM E 1996 (Large Missile – 4.5 lb.)

SSTD 12 (Large Missile – 4 lb. to 8 lb.)

For Skylights Only: ASTM E 1886 **and** ASTM E 1996 (Large Missile - 2 to 4.5 lb.)

☐ B.1 All Non-Glazed openings classified as A or B in the table above, or no Non-Glazed openings exist

☐ B.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level C, N, or X in the table above

☐ B.3 One or More Non-Glazed openings is classified as Level C, N, or X in the table above

☐ **C. Exterior Opening Protection- Wood Structural Panels meeting FBC 2007** All Glazed openings are covered with plywood/OSB meeting the requirements of Table 1609.1.2 of the FBC 2007 (Level C in the table above).

☐ C.1 All Non-Glazed openings classified as A, B, or C in the table above, or no Non-Glazed openings exist

☐ C.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level N or X in the table above

☐ C.3 One or More Non-Glazed openings is classified as Level N or X in the table above

Inspectors Initials RMB **Property Address** Building 2, Ocean Palm Villas 1 Flagler Beach

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☐ **N. Exterior Opening Protection (unverified shutter systems with no documentation)** All Glazed openings are protected with protective coverings not meeting the requirements of Answer "A", "B", or C" or systems that appear to meet Answer "A" or "B" with no documentation of compliance (Level N in the table above).

☐ N.1 All Non-Glazed openings classified as Level A, B, C, or N in the table above, or no Non-Glazed openings exist

☐ N.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level X in the table above

☐ N.3 One or More Non-Glazed openings is classified as Level X in the table above

☑ **X. None or Some Glazed Openings** One or more Glazed openings classified and Level X in the table above.

MITIGATION INSPECTIONS MUST BE CERTIFIED BY A QUALIFIED INSPECTOR.
Section 627.711(2), Florida Statutes, provides a listing of individuals who may sign this form.

Qualified Inspector Name:	License Type:	License or Certificate #:
RHETT M BRADLEY	Home Inspector	HI12066

Inspection Company:	Email:	Phone:
Bradders Property Inspection Services, LLC	BraddersPIS@gmail.com	386-243-2263

Qualified Inspector – I hold an active license as a : (check one)

☑ Home inspector licensed under Section 468.8314, Florida Statutes who has completed the statutory number of hours of hurricane mitigation training approved by the Construction Industry Licensing Board and completion of a proficiency exam.

☐ Building code inspector certified under Section 468.607, Florida Statutes.

☐ General, building or residential contractor licensed under Section 489.111, Florida Statutes.

☐ Professional engineer licensed under Section 471.015, Florida Statutes.

☐ Professional architect licensed under Section 481.213, Florida Statutes.

☐ Any other individual or entity recognized by the insurer as possessing the necessary qualifications to properly complete a uniform mitigation verification form pursuant to Section 627.711(2), Florida Statutes.

Individuals other than licensed contractors licensed under Section 489.111, Florida Statutes, or professional engineer licensed under Section 471.015, Florida Statues, must inspect the structures personally and not through employees or other persons. Licensees under s.471.015 or s.489.111 may authorize a direct employee who possesses the requisite skill, knowledge, and experience to conduct a mitigation verification inspection.

I, RHETT M BRADLEY **(print name) am a qualified inspector and I personally performed the inspection or (** ***licensed contractors and professional engineers only*** **) I had my employee (_____) (print name of inspector) perform the inspection and I agree to be responsible for his/her work.**

Qualified Inspector Signature: [signature] **Date:** Sep 10, 2024

An individual or entity who knowingly or through gross negligence provides a false or fraudulent mitigation verification form is subject to investigation by the Florida Division of Insurance Fraud and may be subject to administrative action by the appropriate licensing agency or to criminal prosecution. (Section 627.711(4)-(7), Florida Statutes) The Qualified Inspector who certifies this form shall be directly liable for the misconduct of employees as if the authorized mitigation inspector personally performed the inspection.

Homeowner to complete: I certify that the named Qualified Inspector or his or her employee did perform an inspection of the residence identified on this form and that proof of identification was provided to me or my Authorized Representative.

Signature: _____ **Date:** Sep 10, 2024

An individual or entity who knowingly provides or utters a false or fraudulent mitigation verification form with the intent to obtain or receive a discount on an insurance premium to which the individual or entity is not entitled commits a misdemeanor of the first degree. (Section 627.711(7), Florida Statutes)

The definitions on this form are for inspection purposes only and cannot be used to certify any product or construction feature as offering protection from hurricanes.

Inspectors Initials RMB **Property Address** Building 2, Ocean Palm Villas 1 Flagler Beach

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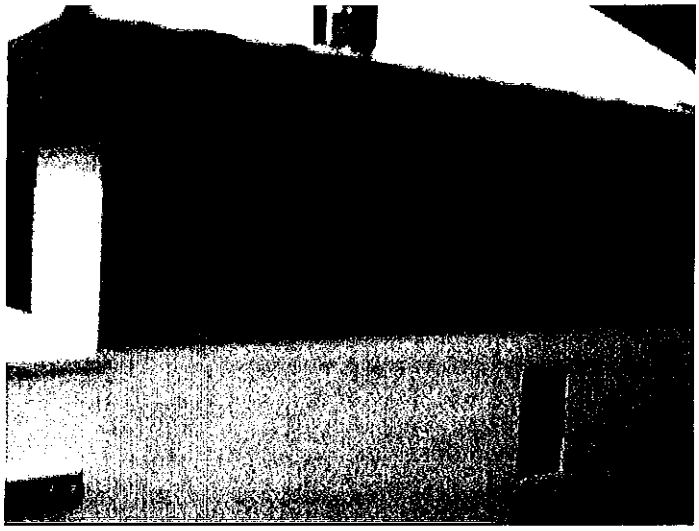

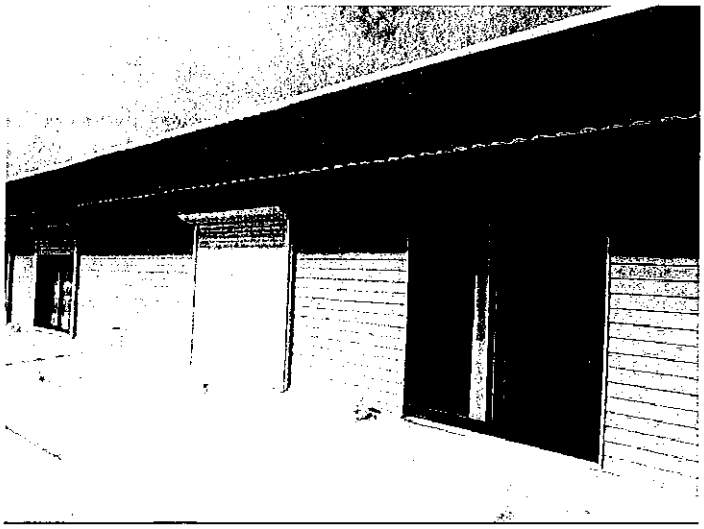

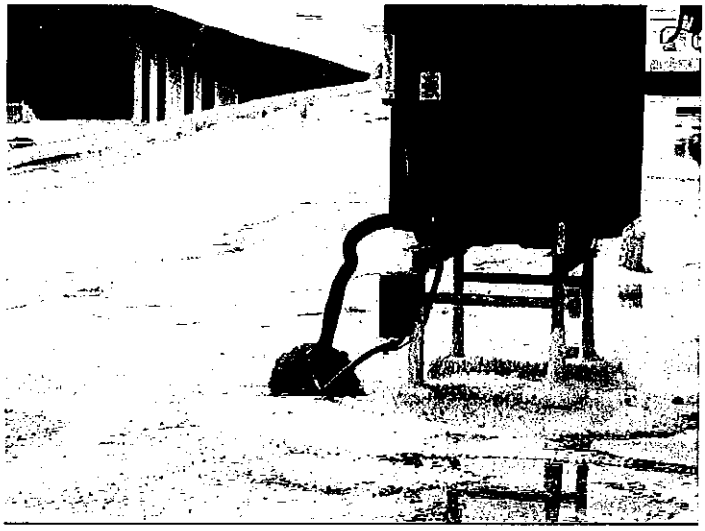

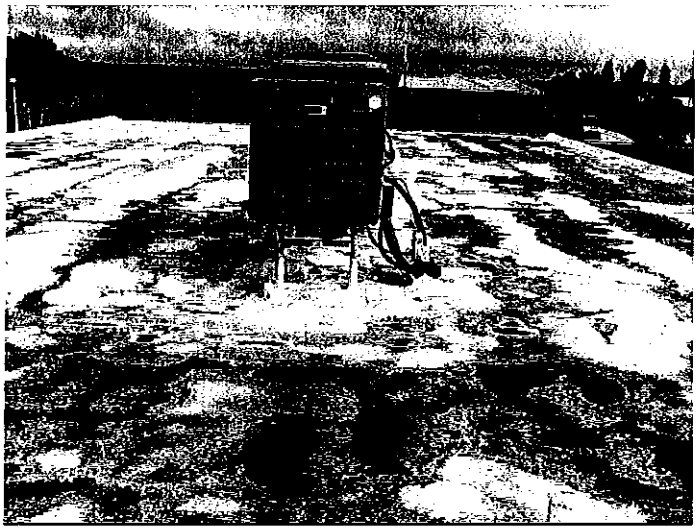

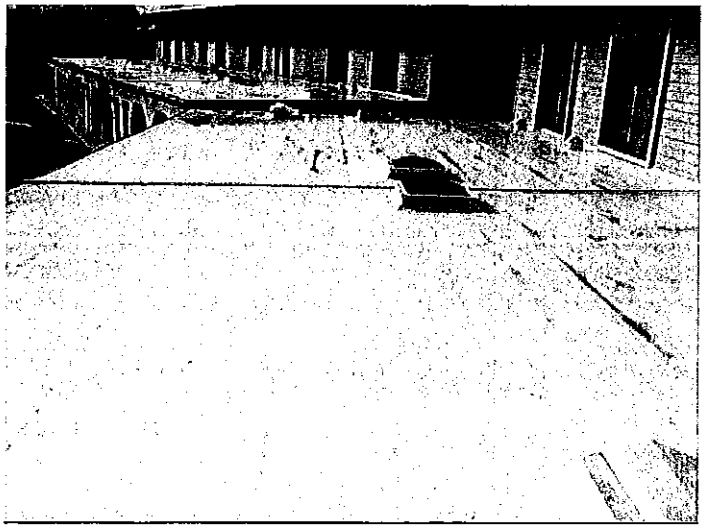

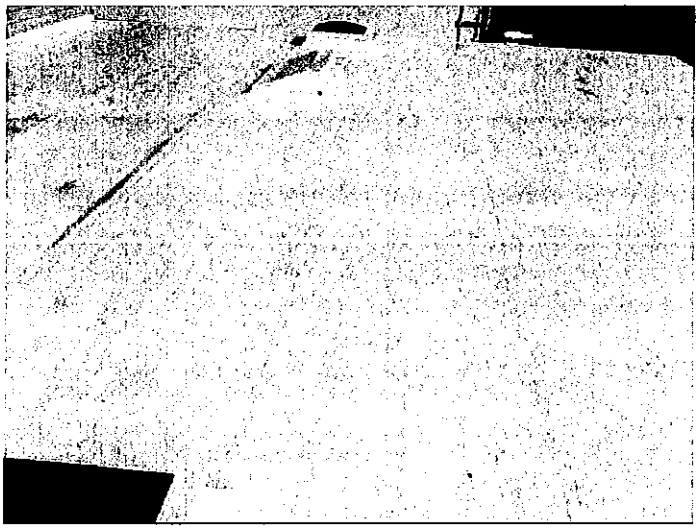

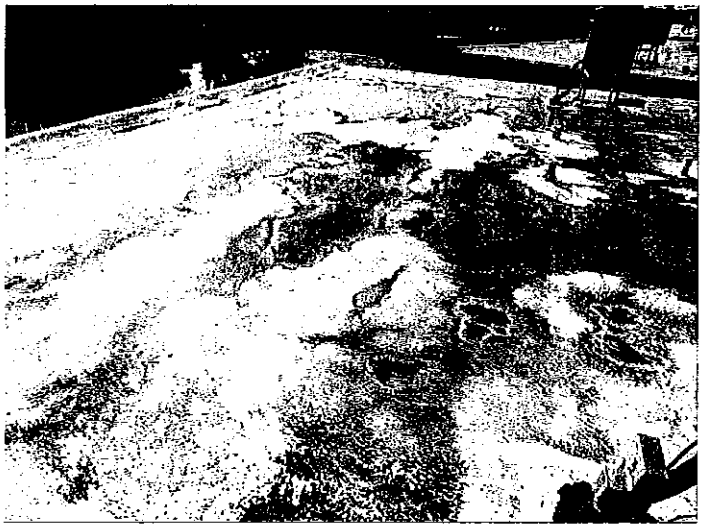

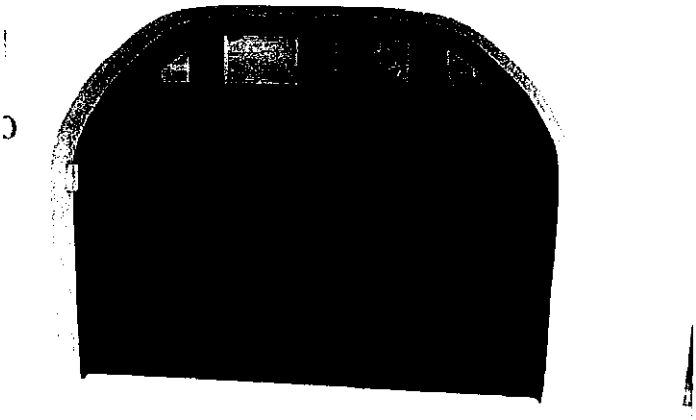

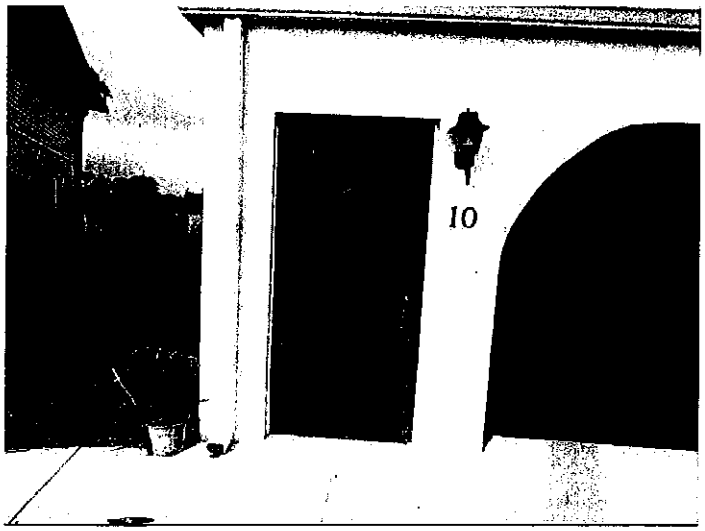
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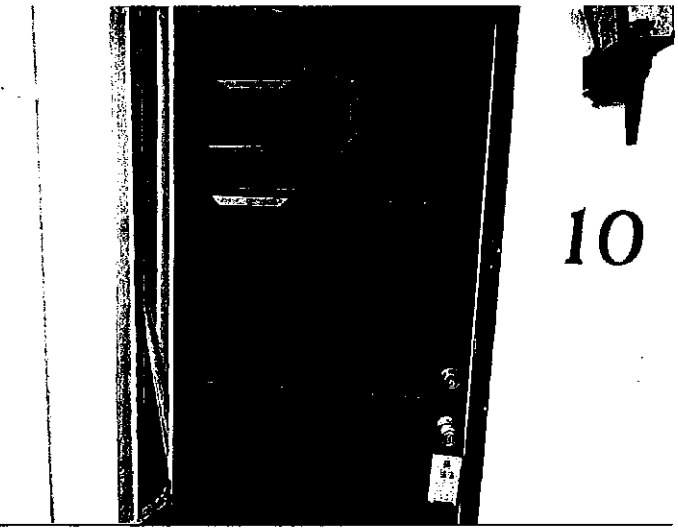
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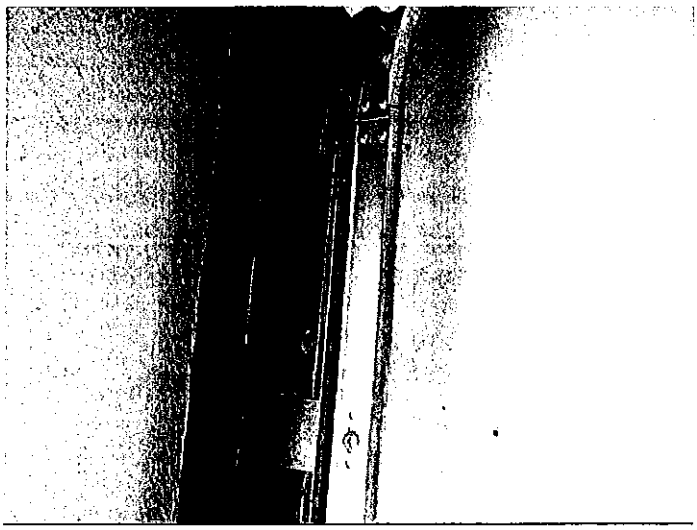
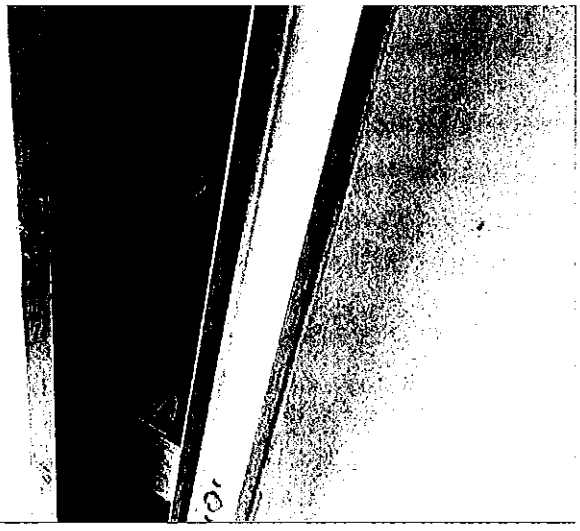
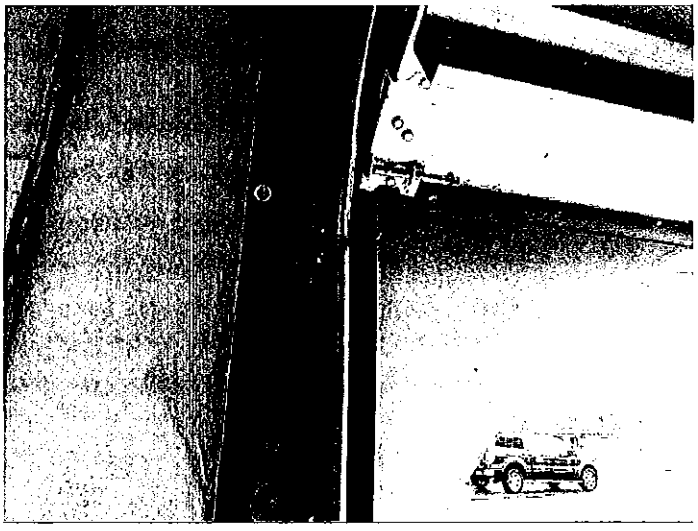






Uniform Mitigation Verification Inspection Form

Maintain a copy of this form and any documentation provided with the insurance policy

Inspection Date: Sep 10, 2024		
Owner Information		
Owner Name: Ocean Palm Villas North HOA		Contact Person: Dana
Address: Building 3, Ocean Palm Villas 1		Home Phone:
City: Flagler Beach	Zip: 32136	Work Phone: 321-352-6278
County: Flagler		Cell Phone:
Insurance Company:		Policy #:
Year of Home: 1979	# of Stories: 2	Email: team@flcoastmgt.com

NOTE: Any documentation used in validating the compliance or existence of each construction or mitigation attribute must accompany this form. At least one photograph must accompany this form to validate each attribute marked in questions 3 though 7. The insurer may ask additional questions regarding the mitigated feature(s) verified on this form.

1. **Building Code**: Was the structure built in compliance with the Florida Building Code (FBC 2001 or later) OR for homes located in the HVHZ (Miami-Dade or Broward counties), South Florida Building Code (SFBC-94)?

   ☐ A. Built in compliance with the FBC: Year Built 1979. For homes built in 2002/2003 provide a permit application with a date after 3/1/2002: Building Permit Application Date (MM/DD/YYYY)

   ☐ B. For the HVHZ Only: Built in compliance with the SFBC-94: Year Built _____. For homes built in 1994, 1995, and 1996 provide a permit application with a date after 9/1/1994: Building Permit Application Date (MM/DD/YYYY)

   ☑ C. Unknown or does not meet the requirements of Answer "A" or "B"

2. **Roof Covering:** Select all roof covering types in use. Provide the permit application date OR FBC/MDC Product Approval number OR Year of Original Installation/Replacement OR indicate that no information was available to verify compliance for each roof covering identified.

2.1 Roof Covering Type:	Permit Application Date	FBC or MDC Product Approval #	Year of Original Installation or Replacement	No Information Provided for Compliance
☐ 1. Asphalt/Fiberglass Shingle				☐
☐ 2. Concrete/Clay Tile				☐
☐ 3. Metal				☐
☐ 4. Built Up				☐
☐ 5. Membrane	Sep 19, 2019	19-0617.04		☐
☐ 6. Other				☐

   ☑ A. All roof coverings listed above meet the FBC with a FBC or Miami-Dade Product Approval listing current at time of installation OR have a roofing permit application date on or after 3/1/02 OR the roof is original and built in 2004 or later.

   ☐ B. All roof coverings have a Miami-Dade Product Approval listing current at time of installation OR (for the HVHZ only) a roofing permit application after 9/1/1994 and before 3/1/2002 OR the roof is original and built in 1997 or later.

   ☐ C. One or more roof coverings do not meet the requirements of Answer "A" or "B".

   ☐ D. No roof coverings meet the requirements of Answer "A" or "B".

3. **Roof Deck Attachment**: What is the **weakest** form of roof deck attachment?

   ☐ A. Plywood/Oriented strand board (OSB) roof sheathing attached to the roof truss/rafter (spaced a maximum of 24" inches o.c.) by staples or 6d nails spaced at 6" along the edge and 12" in the field. -OR- Batten decking supporting wood shakes or wood shingles. -OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that has an equivalent mean uplift less than that required for Options B or C below.

   ☐ B. Plywood/OSB roof sheathing with a minimum thickness of 7/16"inch attached to the roof truss/rafter (spaced a maximum of 24"inches o.c.) by 8d common nails spaced a maximum of 12" inches in the field.-OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that is shown to have an equivalent or greater resistance 8d nails spaced a maximum of 12 inches in the field or has a mean uplift resistance of at least 103 psf.

   ☐ C. Plywood/OSB roof sheathing with a minimum thickness of 7/16"inch attached to the roof truss/rafter (spaced a maximum of 24"inches o.c.) by 8d common nails spaced a maximum of 6" inches in the field. -OR- Dimensional lumber/Tongue & Groove decking with a minimum of 2 nails per board (or 1 nail per board if each board is equal to or less than 6 inches in width). -OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that is shown to have an equivalent

or greater resistance than 8d common nails spaced a maximum of 6 inches in the field or has a mean uplift resistance of at least 182 psf.

- [x] D. Reinforced Concrete Roof Deck.
- [ ] E. Other: _____
- [ ] F. Unknown or unidentified.
- [ ] G. No attic access.

4. **Roof to Wall Attachment:** What is the **WEAKEST** roof to wall connection? (Do not include attachment of hip/valley jacks within 5 feet of the inside or outside corner of the roof in determination of WEAKEST type)

- [ ] A. Toe Nails
  - [ ] Truss/rafter anchored to top plate of wall using nails driven at an angle through the truss/rafter and attached to the top plate of the wall, or
  - [ ] Metal connectors that do not meet the minimal conditions or requirements of B, C, or D

Minimal conditions to qualify for categories B, C, or D. All visible metal connectors are:

- [ ] Secured to truss/rafter with a minimum of three (3) nails, **and**
- [ ] Attached to the wall top plate of the wall framing, or embedded in the bond beam, with less than a ½" gap from the blocking or truss/rafter **and** blocked no more than 1.5" of the truss/rafter, **and** free of visible severe corrosion.

- [ ] B. Clips
  - [ ] Metal connectors that do not wrap over the top of the truss/rafter, **or**
  - [ ] Metal connectors with a minimum of 1 strap that wraps over the top of the truss/rafter and does not meet the nail position requirements of C or D, but is secured with a minimum of 3 nails.
- [ ] C. Single Wraps
  Metal connectors consisting of a single strap that wraps over the top of the truss/rafter and is secured with a minimum of 2 nails on the front side and a minimum of 1 nail on the opposing side.
- [ ] D. Double Wraps
  - [ ] Metal Connectors consisting of 2 separate straps that are attached to the wall frame, or embedded in the bond beam, on either side of the truss/rafter where each strap wraps over the top of the truss/rafter and is secured with a minimum of 2 nails on the front side, and a minimum of 1 nail on the opposing side, **or**
  - [ ] Metal connectors consisting of a single strap that wraps over the top of the truss/rafter, is secured to the wall on both sides, and is secured to the top plate with a minimum of three nails on each side.
- [ ] E. Structural Anchor bolts structurally connected or reinforced concrete roof.
- [x] F. Other: Poured Concrete
- [ ] G. Unknown or unidentified
- [x] H. No attic access

5. **Roof Geometry:** What is the roof shape? (Do not consider roofs of porches or carports that are attached only to the fascia or wall of the host structure over unenclosed space in the determination of roof perimeter or roof area for roof geometry classification).

- [x] A. Hip Roof — Hip roof with no other roof shapes greater than 10% of the total roof system perimeter. Total length of non-hip features: 0 feet; Total roof system perimeter: _____ feet
- [ ] B. Flat Roof — Roof on a building with 5 or more units where at least 90% of the main roof area has a roof slope of less than 2:12. Roof area with slope less than 2:12 _____ sq ft; Total roof area _____ sq ft
- [ ] C. Other Roof — Any roof that does not qualify as either (A) or (B) above.

6. **Secondary Water Resistance (SWR):** (standard underlayments or hot-mopped felts do not qualify as an SWR)

- [ ] A. SWR (also called Sealed Roof Deck) Self-adhering polymer modified-bitumen roofing underlayment applied directly to the sheathing or foam adhesive SWR barrier (not foamed-on insulation) applied as a supplemental means to protect the dwelling from water intrusion in the event of roof covering loss.
- [x] B. No SWR.
- [ ] C. Unknown or undetermined.

Inspectors Initials RMB **Property Address** Building 3, Ocean Palm Villas 1 Flagler Beach

***This verification form is valid for up to five (5) years provided no material changes have been made to the structure or inaccuracies found on the form.**

7. **Opening Protection:** What is the **weakest** form of wind borne debris protection installed on the structure? **First**, use the table to determine the weakest form of protection for each category of opening. **Second**, (a) check one answer below (A, B, C, N, or X) based upon the lowest protection level for ALL Glazed openings **and** (b) check the protection level for all Non-Glazed openings (.1, .2, or .3) as applicable.

Opening Protection Level Chart Place an "X" in each row to identify all forms of protection in use for each opening type. Check only one answer below (A thru X), based on the weakes form of protection (lowest row) for any of the Glazed openings and indicat the weakest form of protection (lowest row) for Non-Glazed openings.		Glazed Openings				Non-Glazed Openings	
		Windows or Entry Doors	Garage Doors	Skylights	Glass Block	Entry Doors	Garage Doors
N/A	Not Applicable- there are no openings of this type on the structure		X		X		
A	Verified cyclic pressure & large missile (9-lb for windows doors/4.5 lb for skylights)						
B	Verified cyclic pressure & large missile (4-8 lb for windows doors/2 lb for skylights)					X	X
C	Verified plywood/OSB meeting Table 1609.1.2 of the FBC 2007						
D	Verified Non-Glazed Entry or Garage doors indicating compliance with ASTM E 330, ANSI/DASMA 108, or PA/TAS 202 for wind pressure resistance						
N	Opening Protection products that appear to be A or B but are not verified						
	Other protective coverings that cannot be identified as A, B, or C						
X	No Windborne Debris Protection	X		X			

☐ **A. Exterior Openings Cyclic Pressure and 9-lb Large Missile (4.5 lb for skylights only)** All Glazed openings are protected at a minimum, with impact resistant coverings or products listed as wind borne debris protection devices in the product approval system of the State of Florida or Miami-Dade County and meet the requirements of one of the following for "Cyclic Pressure and Large Missile Impact" (Level A in the table above).

Miami-Dade County PA 201, 202, **and** 203

Florida Building Code Testing Application Standard (TAS) 201, 202, **and** 203

American Society for Testing and Materials (ASTM) E 1886 **and** ASTM E 1996

Southern Standards Technical Document (SSTD) 12

For Skylights Only: ASTM E 1886 **and** ASTM E 1996

For Garage Doors Only: ANSI/DASMA 115

☐ A.1 All Non-Glazed openings classified as A in the table above, or no Non-Glazed openings exist

☐ A.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level B, C, N, or X in the table above

☐ A.3 One or More Non-Glazed Openings is classified as Level B, C, N, or X in the table above

☐ **B. Exterior Opening Protection- Cyclic Pressure and 4 to 8-lb Large Missile (2-4.5 lb for skylights only)** All Glazed openings are protected, at a minimum, with impact resistant coverings or products listed as windborne debris protection devices in the product approval system of the State of Florida or Miami-Dade County and meet the requirements of one of the following for "Cyclic Pressure and Large Missile Impact" (Level B in the table above):

ASTM E 1886 **and** ASTM E 1996 (Large Missile – 4.5 lb.)

SSTD 12 (Large Missile – 4 lb. to 8 lb.)

For Skylights Only: ASTM E 1886 **and** ASTM E 1996 (Large Missile - 2 to 4.5 lb.)

☐ B.1 All Non-Glazed openings classified as A or B in the table above, or no Non-Glazed openings exist

☐ B.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level C, N, or X in the table above

☐ B.3 One or More Non-Glazed openings is classified as Level C, N, or X in the table above

☐ **C. Exterior Opening Protection- Wood Structural Panels meeting FBC 2007** All Glazed openings are covered with plywood/OSB meeting the requirements of Table 1609.1.2 of the FBC 2007 (Level C in the table above).

☐ C.1 All Non-Glazed openings classified as A, B, or C in the table above, or no Non-Glazed openings exist

☐ C.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level N or X in the table above

☐ C.3 One or More Non-Glazed openings is classified as Level N or X in the table above

Inspectors Initials RMB **Property Address** Building 3, Ocean Palm Villas 1 Flagler Beach

***This verification form is valid for up to five (5) years provided no material changes have been made to the structure or inaccuracies found on the form.**

☐ **N. Exterior Opening Protection (unverified shutter systems with no documentation)** All Glazed openings are protected with protective coverings not meeting the requirements of Answer "A", "B", or C" or systems that appear to meet Answer "A" or "B" with no documentation of compliance (Level N in the table above).

☐ N.1 All Non-Glazed openings classified as Level A, B, C, or N in the table above, or no Non-Glazed openings exist

☐ N.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level X in the table above

☐ N.3 One or More Non-Glazed openings is classified as Level X in the table above

☑ **X. None or Some Glazed Openings** One or more Glazed openings classified and Level X in the table above.

MITIGATION INSPECTIONS MUST BE CERTIFIED BY A QUALIFIED INSPECTOR.
Section 627.711(2), Florida Statutes, provides a listing of individuals who may sign this form.

Qualified Inspector Name:	License Type:	License or Certificate #:
RHETT M BRADLEY	Home Inspector	HI12066

Inspection Company:	Email:	Phone:
Bradders Property Inspection Services, LLC	BraddersPIS@gmail.com	386-243-2263

Qualified Inspector – I hold an active license as a : (check one)

☑ Home inspector licensed under Section 468.8314, Florida Statutes who has completed the statutory number of hours of hurricane mitigation training approved by the Construction Industry Licensing Board and completion of a proficiency exam.

☐ Building code inspector certified under Section 468.607, Florida Statutes.

☐ General, building or residential contractor licensed under Section 489.111, Florida Statutes.

☐ Professional engineer licensed under Section 471.015, Florida Statutes.

☐ Professional architect licensed under Section 481.213, Florida Statutes.

☐ Any other individual or entity recognized by the insurer as possessing the necessary qualifications to properly complete a uniform mitigation verification form pursuant to Section 627.711(2), Florida Statutes.

Individuals other than licensed contractors licensed under Section 489.111, Florida Statutes, or professional engineer licensed under Section 471.015, Florida Statues, must inspect the structures personally and not through employees or other persons. Licensees under s.471.015 or s.489.111 may authorize a direct employee who possesses the requisite skill, knowledge, and experience to conduct a mitigation verification inspection.

I, RHETT M BRADLEY **(print name) am a qualified inspector and I personally performed the inspection or (** ***licensed contractors and professional engineers only*** **) I had my employee (_____) perform the inspection (print name of inspector) and I agree to be responsible for his/her work.**

Qualified Inspector Signature: [signature] **Date:** Sep 10, 2024

An individual or entity who knowingly or through gross negligence provides a false or fraudulent mitigation verification form is subject to investigation by the Florida Division of Insurance Fraud and may be subject to administrative action by the appropriate licensing agency or to criminal prosecution. (Section 627.711(4)-(7), Florida Statutes) The Qualified Inspector who certifies this form shall be directly liable for the misconduct of employees as if the authorized mitigation inspector personally performed the inspection.

Homeowner to complete: I certify that the named Qualified Inspector or his or her employee did perform an inspection of the residence identified on this form and that proof of identification was provided to me or my Authorized Representative.

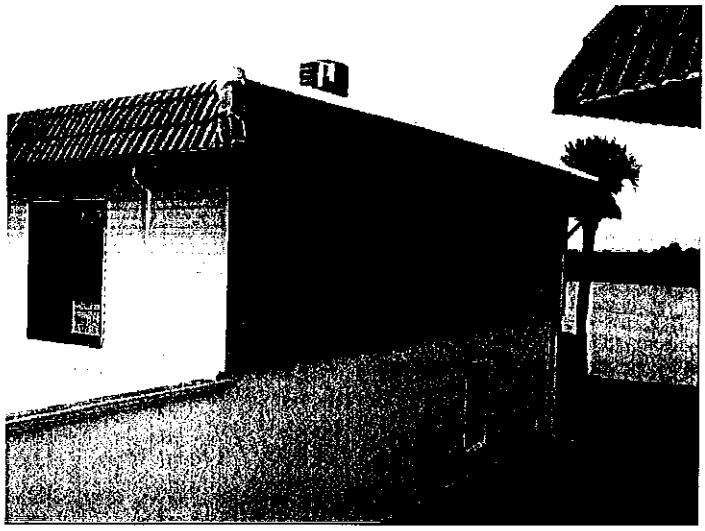
Signature: _____ **Date:** Sep 10, 2024

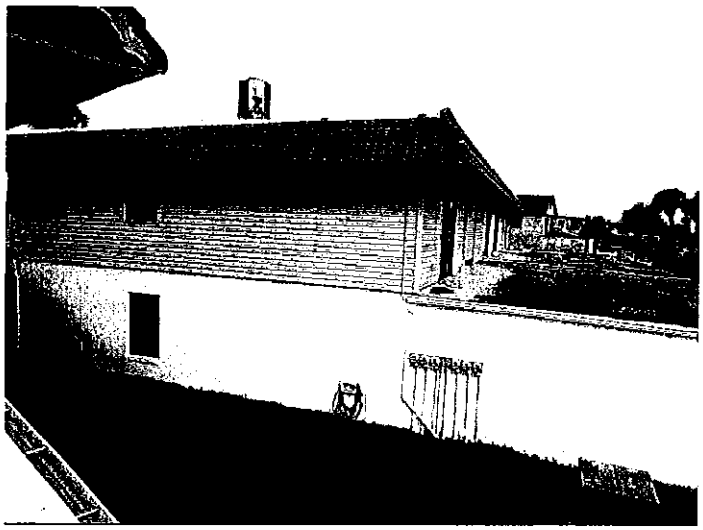
An individual or entity who knowingly provides or utters a false or fraudulent mitigation verification form with the intent to obtain or receive a discount on an insurance premium to which the individual or entity is not entitled commits a misdemeanor of the first degree. (Section 627.711(7), Florida Statutes)

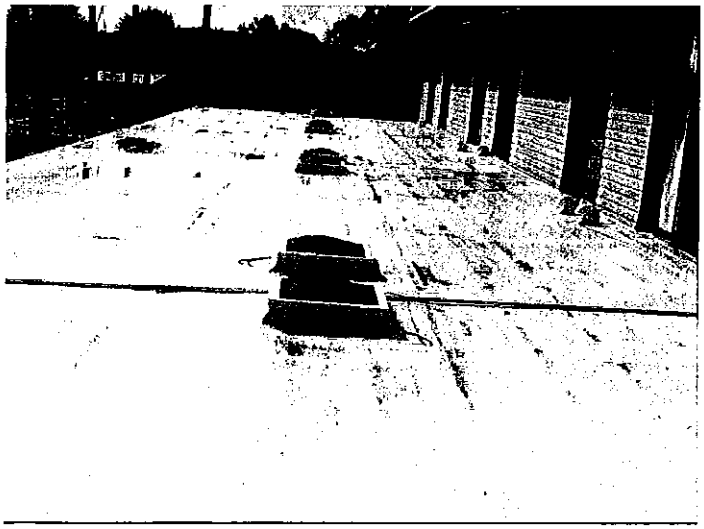
The definitions on this form are for inspection purposes only and cannot be used to certify any product or construction feature as offering protection from hurricanes.

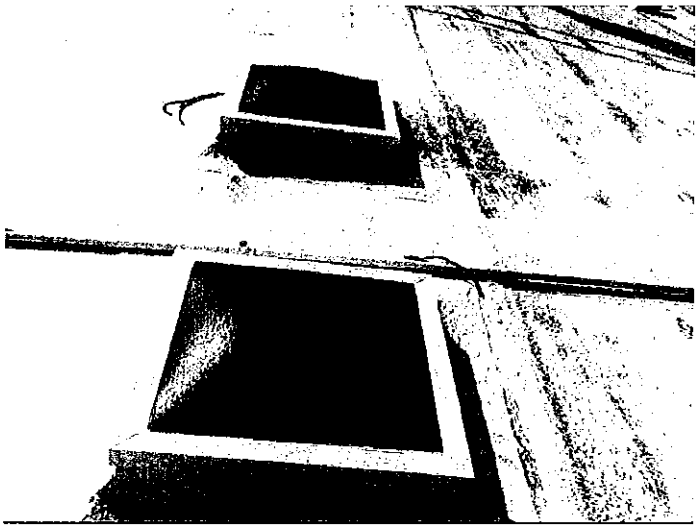
Inspectors Initials RMB **Property Address** Building 3, Ocean Palm Villas 1 Flagler Beach

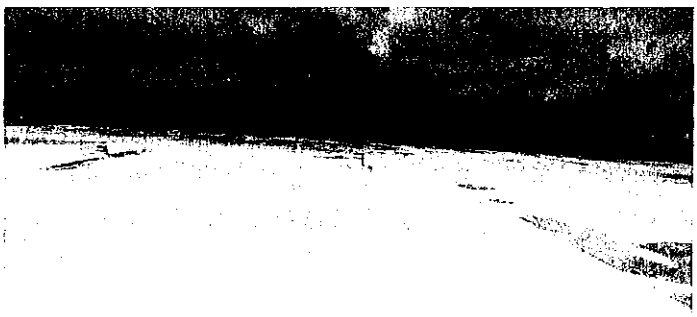
***This verification form is valid for up to five (5) years provided no material changes have been made to the structure or inaccuracies found on the form.**

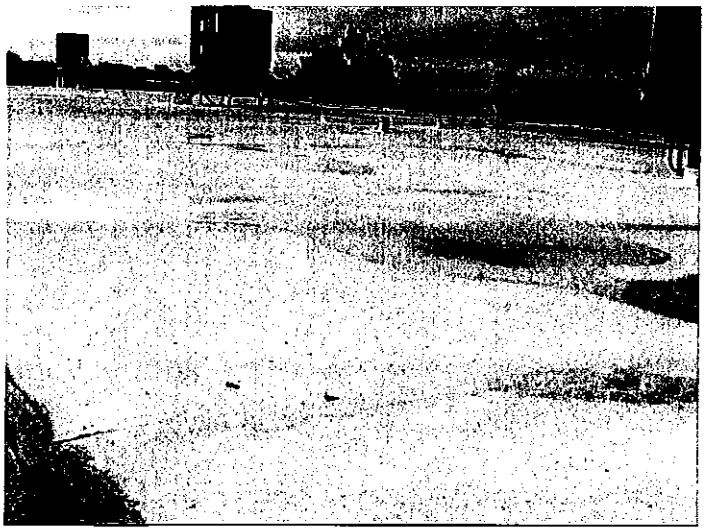


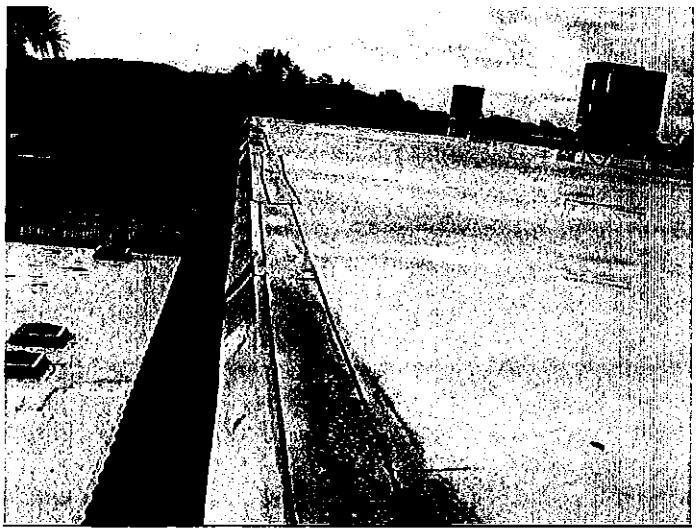


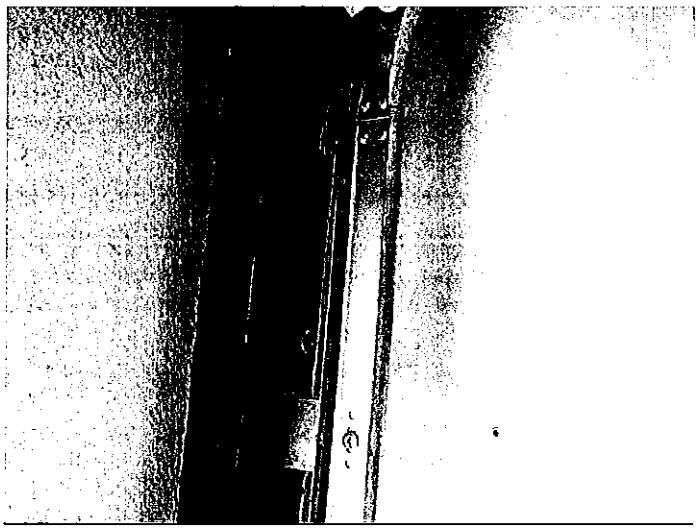


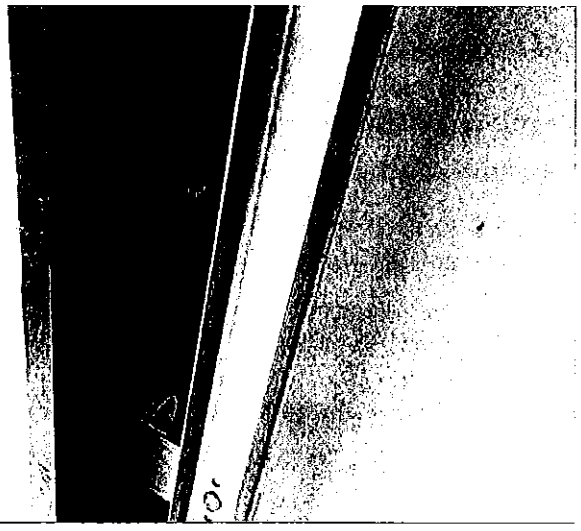


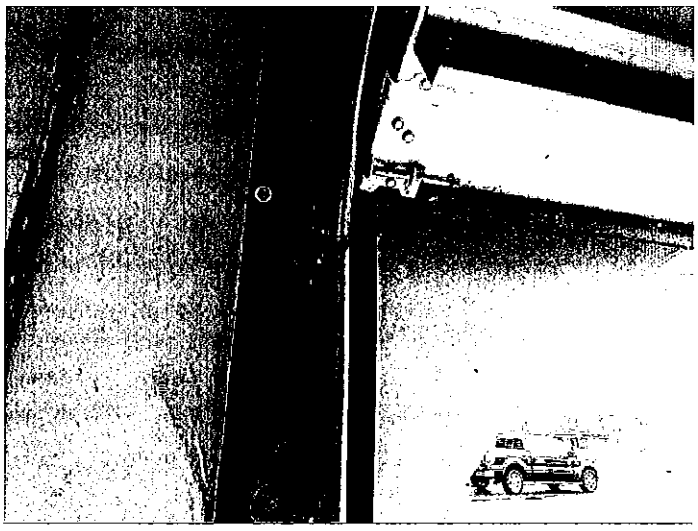


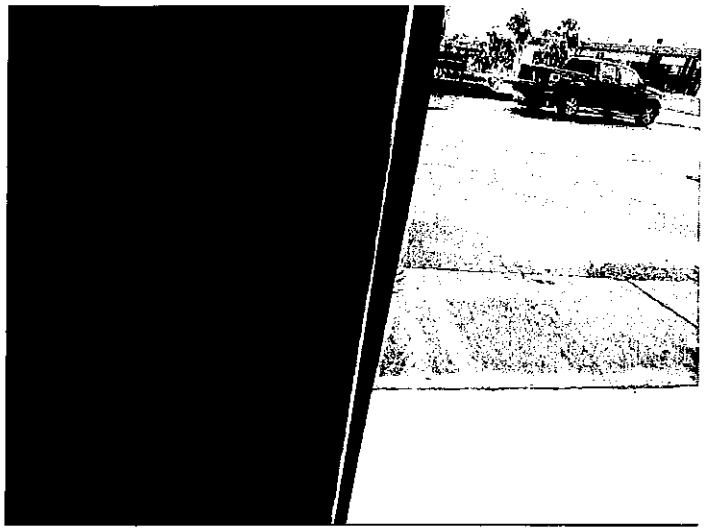


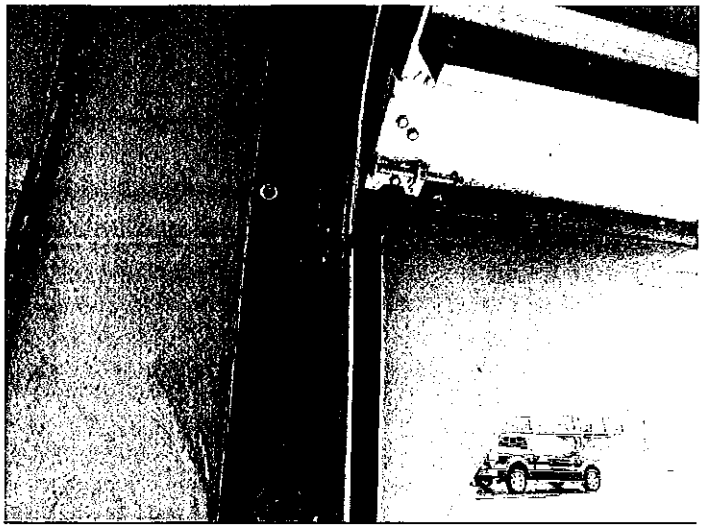


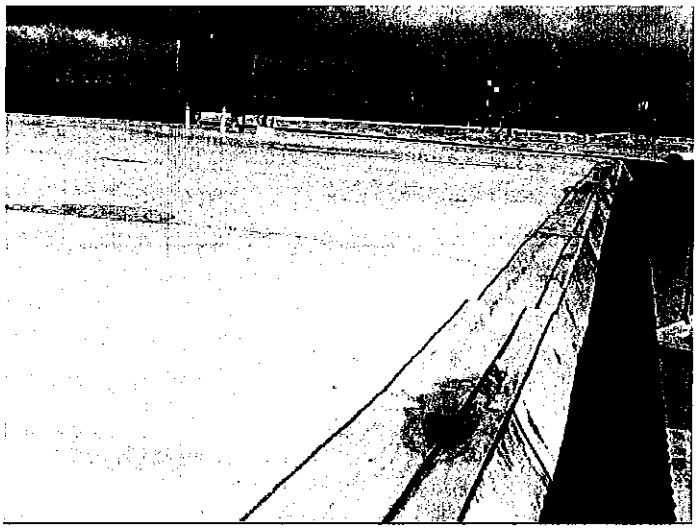












Uniform Mitigation Verification Inspection Form

Maintain a copy of this form and any documentation provided with the insurance policy

Inspection Date: Sep 10, 2024		
Owner Information		
Owner Name: Ocean Palm Villas North HOA		Contact Person: Dana
Address: Building 4, Ocean Palm Villas 2		Home Phone:
City: Flagler Beach	Zip: 32136	Work Phone: 321-352-6278
County: Flagler		Cell Phone:
Insurance Company:		Policy #:
Year of Home: 1979	# of Stories: 2	Email: team@flcoastmgt.com

NOTE: Any documentation used in validating the compliance or existence of each construction or mitigation attribute must accompany this form. At least one photograph must accompany this form to validate each attribute marked in questions 3 though 7. The insurer may ask additional questions regarding the mitigated feature(s) verified on this form.

1. **Building Code**: Was the structure built in compliance with the Florida Building Code (FBC 2001 or later) OR for homes located in the HVHZ (Miami-Dade or Broward counties), South Florida Building Code (SFBC-94)?
   - ☐ A. Built in compliance with the FBC: Year Built 1979. For homes built in 2002/2003 provide a permit application with a date after 3/1/2002: Building Permit Application Date (MM/DD/YYYY)
   - ☐ B. For the HVHZ Only: Built in compliance with the SFBC-94: Year Built _____. For homes built in 1994, 1995, and 1996 provide a permit application with a date after 9/1/1994: Building Permit Application Date (MM/DD/YYYY)
   - ☑ C. Unknown or does not meet the requirements of Answer "A" or "B"
2. **Roof Covering:** Select all roof covering types in use. Provide the permit application date OR FBC/MDC Product Approval number OR Year of Original Installation/Replacement OR indicate that no information was available to verify compliance for each roof covering identified.

2.1 Roof Covering Type:	Permit Application Date	FBC or MDC Product Approval #	Year of Original Installation or Replacement	No Information Provided for Compliance
☐ 1 Asphalt/Fiberglass Shingle				☐
☐ 2 Concrete/Clay Tile				☐
☐ 3 Metal				☐
☐ 4 Built Up	Sep 19, 2019	19-1209.50		☐
☐ 5 Membrane				☐
☐ 6 Other				☐

   - ☑ A. All roof coverings listed above meet the FBC with a FBC or Miami-Dade Product Approval listing current at time of installation OR have a roofing permit application date on or after 3/1/02 OR the roof is original and built in 2004 or later.
   - ☐ B. All roof coverings have a Miami-Dade Product Approval listing current at time of installation OR (for the HVHZ only) a roofing permit application after 9/1/1994 and before 3/1/2002 OR the roof is original and built in 1997 or later.
   - ☐ C. One or more roof coverings do not meet the requirements of Answer "A" or "B".
   - ☐ D. No roof coverings meet the requirements of Answer "A" or "B".
3. **Roof Deck Attachment**: What is the **weakest** form of roof deck attachment?
   - ☐ A. Plywood/Oriented strand board (OSB) roof sheathing attached to the roof truss/rafter (spaced a maximum of 24" inches o.c.) by staples or 6d nails spaced at 6" along the edge and 12" in the field. -OR- Batten decking supporting wood shakes or wood shingles. -OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that has an equivalent mean uplift less than that required for Options B or C below.
   - ☐ B. Plywood/OSB roof sheathing with a minimum thickness of 7/16"inch attached to the roof truss/rafter (spaced a maximum of 24"inches o.c.) by 8d common nails spaced a maximum of 12" inches in the field.-OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that is shown to have an equivalent or greater resistance 8d nails spaced a maximum of 12 inches in the field or has a mean uplift resistance of at least 103 psf.
   - ☐ C. Plywood/OSB roof sheathing with a minimum thickness of 7/16"inch attached to the roof truss/rafter (spaced a maximum of 24"inches o.c.) by 8d common nails spaced a maximum of 6" inches in the field. -OR- Dimensional lumber/Tongue & Groove decking with a minimum of 2 nails per board (or 1 nail per board if each board is equal to or less than 6 inches in width). -OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that is shown to have an equivalent

or greater resistance than 8d common nails spaced a maximum of 6 inches in the field or has a mean uplift resistance of at least 182 psf.

- [x] D. Reinforced Concrete Roof Deck.
- [ ] E. Other: _____
- [ ] F. Unknown or unidentified.
- [ ] G. No attic access.

4. **Roof to Wall Attachment:** What is the **WEAKEST** roof to wall connection? (Do not include attachment of hip/valley jacks within 5 feet of the inside or outside corner of the roof in determination of WEAKEST type)

- [ ] A. Toe Nails
  - [ ] Truss/rafter anchored to top plate of wall using nails driven at an angle through the truss/rafter and attached to the top plate of the wall, or
  - [ ] Metal connectors that do not meet the minimal conditions or requirements of B, C, or D

Minimal conditions to qualify for categories B, C, or D. All visible metal connectors are:

- [ ] Secured to truss/rafter with a minimum of three (3) nails, **and**
- [ ] Attached to the wall top plate of the wall framing, or embedded in the bond beam, with less than a ½" gap from the blocking or truss/rafter **and** blocked no more than 1.5" of the truss/rafter, **and** free of visible severe corrosion.

- [ ] B. Clips
  - [ ] Metal connectors that do not wrap over the top of the truss/rafter, **or**
  - [ ] Metal connectors with a minimum of 1 strap that wraps over the top of the truss/rafter and does not meet the nail position requirements of C or D, but is secured with a minimum of 3 nails.
- [ ] C. Single Wraps
  Metal connectors consisting of a single strap that wraps over the top of the truss/rafter and is secured with a minimum of 2 nails on the front side and a minimum of 1 nail on the opposing side.
- [ ] D. Double Wraps
  - [ ] Metal Connectors consisting of 2 separate straps that are attached to the wall frame, or embedded in the bond beam, on either side of the truss/rafter where each strap wraps over the top of the truss/rafter and is secured with a minimum of 2 nails on the front side, and a minimum of 1 nail on the opposing side, **or**
  - [ ] Metal connectors consisting of a single strap that wraps over the top of the truss/rafter, is secured to the wall on both sides, and is secured to the top plate with a minimum of three nails on each side.
- [ ] E. Structural Anchor bolts structurally connected or reinforced concrete roof.
- [x] F. Other: Poured Concrete
- [ ] G. Unknown or unidentified
- [x] H. No attic access

5. **Roof Geometry:** What is the roof shape? (Do not consider roofs of porches or carports that are attached only to the fascia or wall of the host structure over unenclosed space in the determination of roof perimeter or roof area for roof geometry classification).

- [x] A. Hip Roof — Hip roof with no other roof shapes greater than 10% of the total roof system perimeter. Total length of non-hip features: 0 feet; Total roof system perimeter: _____ feet
- [ ] B. Flat Roof — Roof on a building with 5 or more units where at least 90% of the main roof area has a roof slope of less than 2:12. Roof area with slope less than 2:12 _____ sq ft; Total roof area _____ sq ft
- [ ] C. Other Roof — Any roof that does not qualify as either (A) or (B) above.

6. **Secondary Water Resistance (SWR):** (standard underlayments or hot-mopped felts do not qualify as an SWR)

- [ ] A. SWR (also called Sealed Roof Deck) Self-adhering polymer modified-bitumen roofing underlayment applied directly to the sheathing or foam adhesive SWR barrier (not foamed-on insulation) applied as a supplemental means to protect the dwelling from water intrusion in the event of roof covering loss.
- [x] B. No SWR.
- [ ] C. Unknown or undetermined.

Inspectors Initials RMB **Property Address** Building 4, Ocean Palm Villas 2 Flagler Beach

***This verification form is valid for up to five (5) years provided no material changes have been made to the structure or inaccuracies found on the form.**

7. **Opening Protection:** What is the **weakest** form of wind borne debris protection installed on the structure? **First**, use the table to determine the weakest form of protection for each category of opening. **Second**, (a) check one answer below (A, B, C, N, or X) based upon the lowest protection level for ALL Glazed openings **and** (b) check the protection level for all Non-Glazed openings (.1, .2, or .3) as applicable.

Opening Protection Level Chart Place an "X" in each row to identify all forms of protection in use for each opening type. Check only one answer below (A thru X), based on the weakes form of protection (lowest row) for any of the Glazed openings and indicat the weakest form of protection (lowest row) for Non-Glazed openings.		Glazed Openings				Non-Glazed Openings	
		Windows or Entry Doors	Garage Doors	Skylights	Glass Block	Entry Doors	Garage Doors
N/A	Not Applicable- there are no openings of this type on the structure		X		X		
A	Verified cyclic pressure & large missile (9-lb for windows doors/4.5 lb for skylights)						
B	Verified cyclic pressure & large missile (4-8 lb for windows doors/2 lb for skylights)					X	X
C	Verified plywood/OSB meeting Table 1609.1.2 of the FBC 2007						
D	Verified Non-Glazed Entry or Garage doors indicating compliance with ASTM E 330, ANSI/DASMA 108, or PA/TAS 202 for wind pressure resistance						
N	Opening Protection products that appear to be A or B but are not verified						
	Other protective coverings that cannot be identified as A, B, or C						
X	No Windborne Debris Protection	X		X			

☐ **A. Exterior Openings Cyclic Pressure and 9-lb Large Missile (4.5 lb for skylights only)** All Glazed openings are protected at a minimum, with impact resistant coverings or products listed as wind borne debris protection devices in the product approval system of the State of Florida or Miami-Dade County and meet the requirements of one of the following for "Cyclic Pressure and Large Missile Impact" (Level A in the table above).

Miami-Dade County PA 201, 202, **and** 203

Florida Building Code Testing Application Standard (TAS) 201, 202, **and** 203

American Society for Testing and Materials (ASTM) E 1886 **and** ASTM E 1996

Southern Standards Technical Document (SSTD) 12

For Skylights Only: ASTM E 1886 **and** ASTM E 1996

For Garage Doors Only: ANSI/DASMA 115

☐ A.1 All Non-Glazed openings classified as A in the table above, or no Non-Glazed openings exist

☐ A.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level B, C, N, or X in the table above

☐ A.3 One or More Non-Glazed Openings is classified as Level B, C, N, or X in the table above

☐ **B. Exterior Opening Protection- Cyclic Pressure and 4 to 8-lb Large Missile (2-4.5 lb for skylights only)** All Glazed openings are protected, at a minimum, with impact resistant coverings or products listed as windborne debris protection devices in the product approval system of the State of Florida or Miami-Dade County and meet the requirements of one of the following for "Cyclic Pressure and Large Missile Impact" (Level B in the table above):

ASTM E 1886 **and** ASTM E 1996 (Large Missile – 4.5 lb.)

SSTD 12 (Large Missile – 4 lb. to 8 lb.)

For Skylights Only: ASTM E 1886 **and** ASTM E 1996 (Large Missile - 2 to 4.5 lb.)

☐ B.1 All Non-Glazed openings classified as A or B in the table above, or no Non-Glazed openings exist

☐ B.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level C, N, or X in the table above

☐ B.3 One or More Non-Glazed openings is classified as Level C, N, or X in the table above

☐ **C. Exterior Opening Protection- Wood Structural Panels meeting FBC 2007** All Glazed openings are covered with plywood/OSB meeting the requirements of Table 1609.1.2 of the FBC 2007 (Level C in the table above).

☐ C.1 All Non-Glazed openings classified as A, B, or C in the table above, or no Non-Glazed openings exist

☐ C.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level N or X in the table above

☐ C.3 One or More Non-Glazed openings is classified as Level N or X in the table above

Inspectors Initials RMB **Property Address** Building 4, Ocean Palm Villas 2 Flagler Beach

***This verification form is valid for up to five (5) years provided no material changes have been made to the structure or inaccuracies found on the form.**

☐ **N. Exterior Opening Protection (unverified shutter systems with no documentation)** All Glazed openings are protected with protective coverings not meeting the requirements of Answer "A", "B", or C" or systems that appear to meet Answer "A" or "B" with no documentation of compliance (Level N in the table above).

☐ N.1 All Non-Glazed openings classified as Level A, B, C, or N in the table above, or no Non-Glazed openings exist

☐ N.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level X in the table above

☐ N.3 One or More Non-Glazed openings is classified as Level X in the table above

☑ **X. None or Some Glazed Openings** One or more Glazed openings classified and Level X in the table above.

MITIGATION INSPECTIONS MUST BE CERTIFIED BY A QUALIFIED INSPECTOR.
Section 627.711(2), Florida Statutes, provides a listing of individuals who may sign this form.

Qualified Inspector Name:	License Type:	License or Certificate #:
RHETT M BRADLEY	Home Inspector	HI12066

Inspection Company:	Email:	Phone:
Bradders Property Inspection Services, LLC	BraddersPIS@gmail.com	386-243-2263

Qualified Inspector – I hold an active license as a : (check one)

☑ Home inspector licensed under Section 468.8314, Florida Statutes who has completed the statutory number of hours of hurricane mitigation training approved by the Construction Industry Licensing Board and completion of a proficiency exam.

☐ Building code inspector certified under Section 468.607, Florida Statutes.

☐ General, building or residential contractor licensed under Section 489.111, Florida Statutes.

☐ Professional engineer licensed under Section 471.015, Florida Statutes.

☐ Professional architect licensed under Section 481.213, Florida Statutes.

☐ Any other individual or entity recognized by the insurer as possessing the necessary qualifications to properly complete a uniform mitigation verification form pursuant to Section 627.711(2), Florida Statutes.

Individuals other than licensed contractors licensed under Section 489.111, Florida Statutes, or professional engineer licensed under Section 471.015, Florida Statues, must inspect the structures personally and not through employees or other persons. Licensees under s.471.015 or s.489.111 may authorize a direct employee who possesses the requisite skill, knowledge, and experience to conduct a mitigation verification inspection.

I, RHETT M BRADLEY **(print name) am a qualified inspector and I personally performed the inspection or (** ***licensed contractors and professional engineers only*** **) I had my employee (_____) (print name of inspector) perform the inspection and I agree to be responsible for his/her work.**

Qualified Inspector Signature: [signature] **Date:** Sep 10, 2024

An individual or entity who knowingly or through gross negligence provides a false or fraudulent mitigation verification form is subject to investigation by the Florida Division of Insurance Fraud and may be subject to administrative action by the appropriate licensing agency or to criminal prosecution. (Section 627.711(4)-(7), Florida Statutes) The Qualified Inspector who certifies this form shall be directly liable for the misconduct of employees as if the authorized mitigation inspector personally performed the inspection.

Homeowner to complete: I certify that the named Qualified Inspector or his or her employee did perform an inspection of the residence identified on this form and that proof of identification was provided to me or my Authorized Representative.

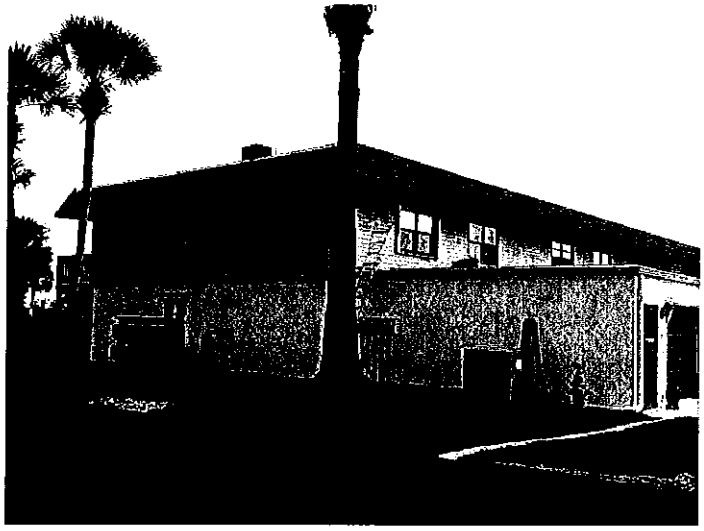
Signature: _____ **Date:** Sep 10, 2024

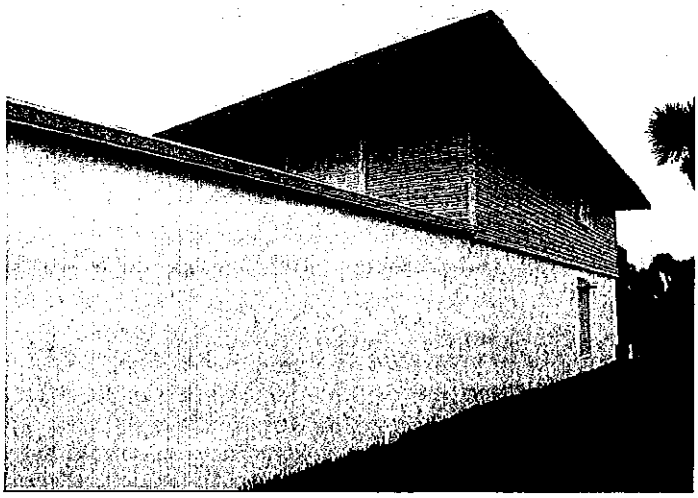
An individual or entity who knowingly provides or utters a false or fraudulent mitigation verification form with the intent to obtain or receive a discount on an insurance premium to which the individual or entity is not entitled commits a misdemeanor of the first degree. (Section 627.711(7), Florida Statutes)

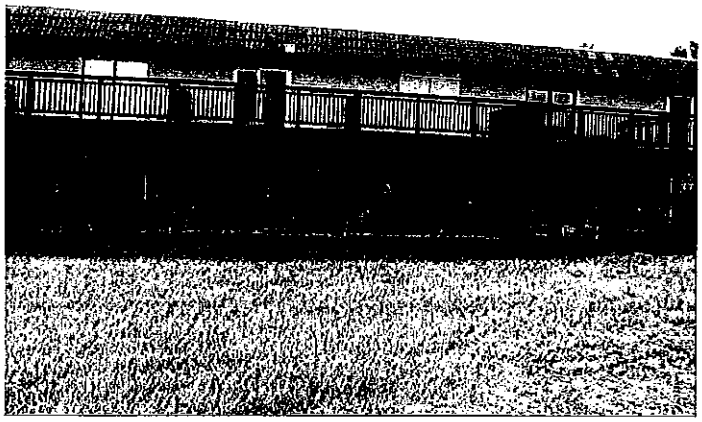
The definitions on this form are for inspection purposes only and cannot be used to certify any product or construction feature as offering protection from hurricanes.

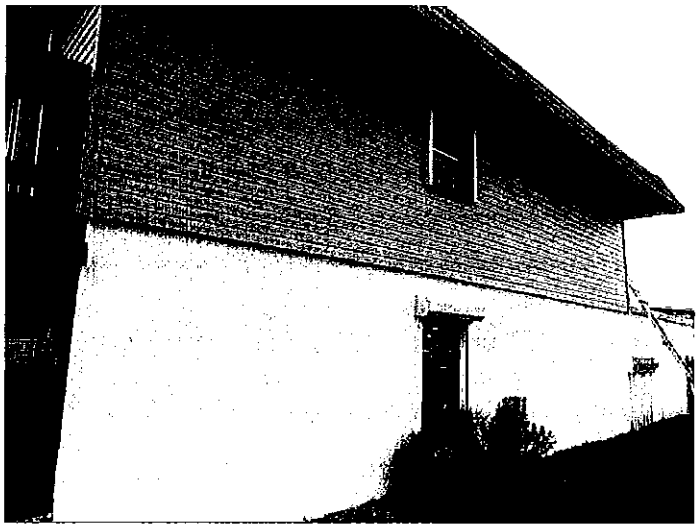
Inspectors Initials RMB **Property Address** Building 4, Ocean Palm Villas 2 Flagler Beach

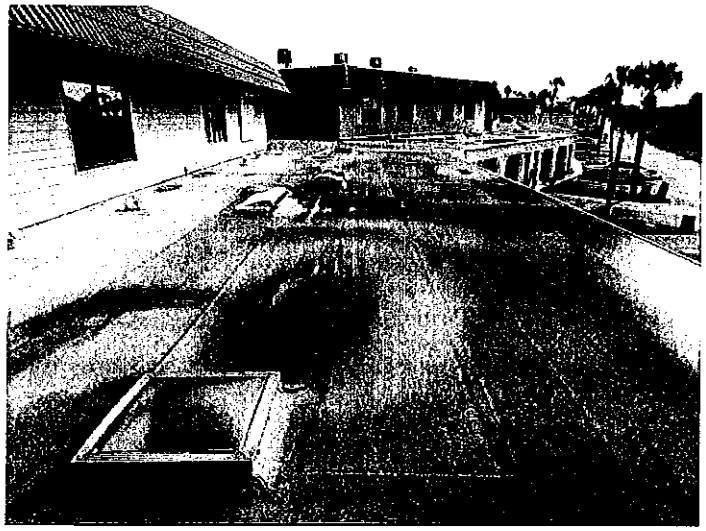
***This verification form is valid for up to five (5) years provided no material changes have been made to the structure or inaccuracies found on the form.**

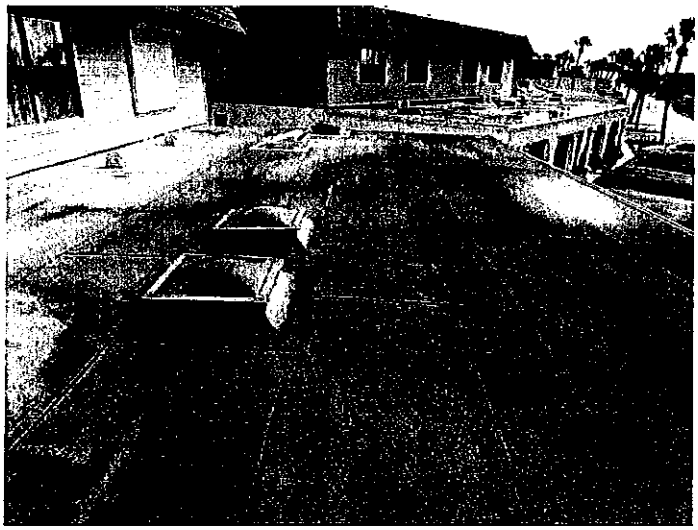


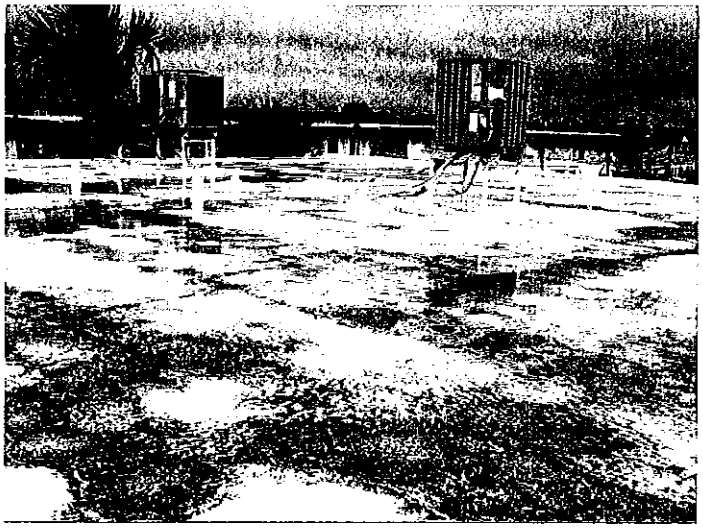


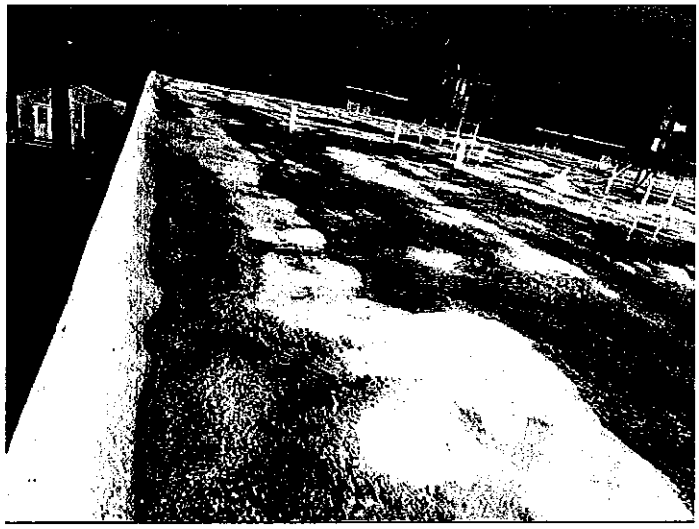


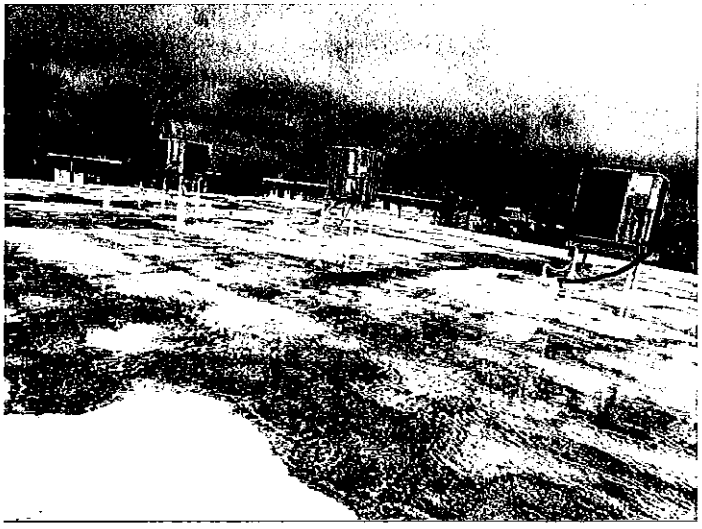


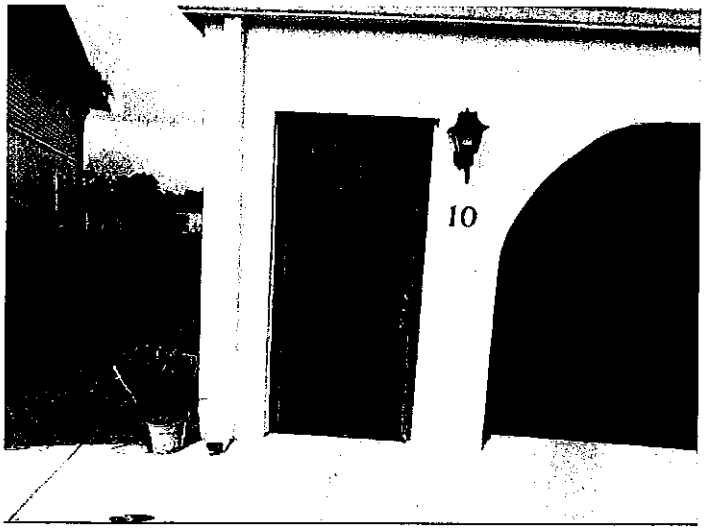








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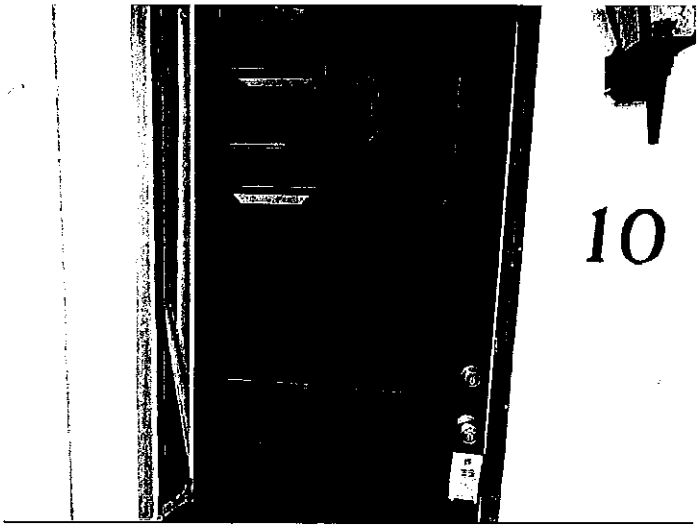
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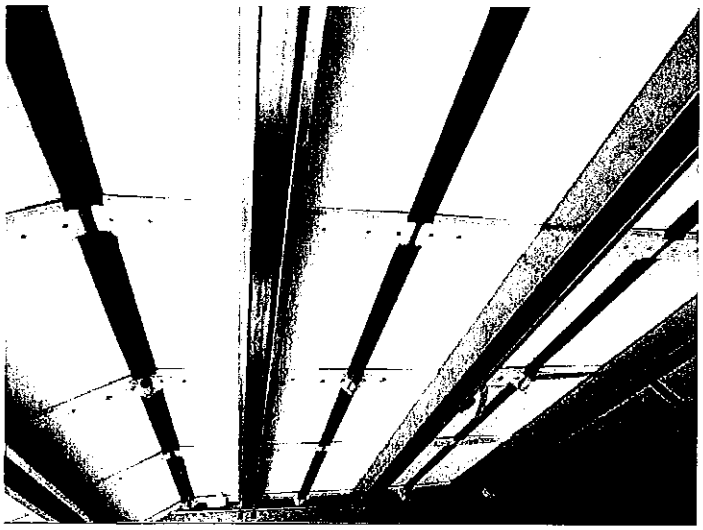
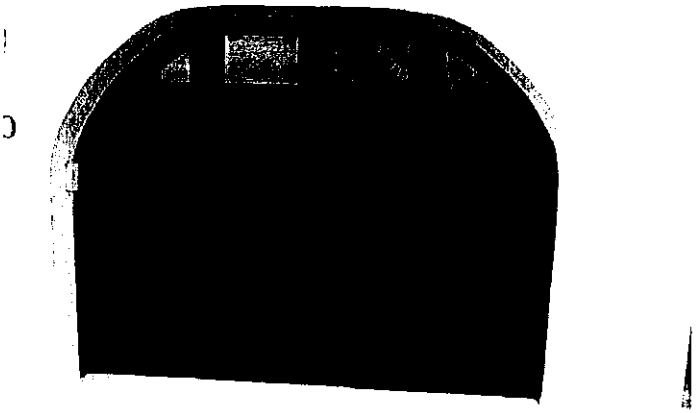
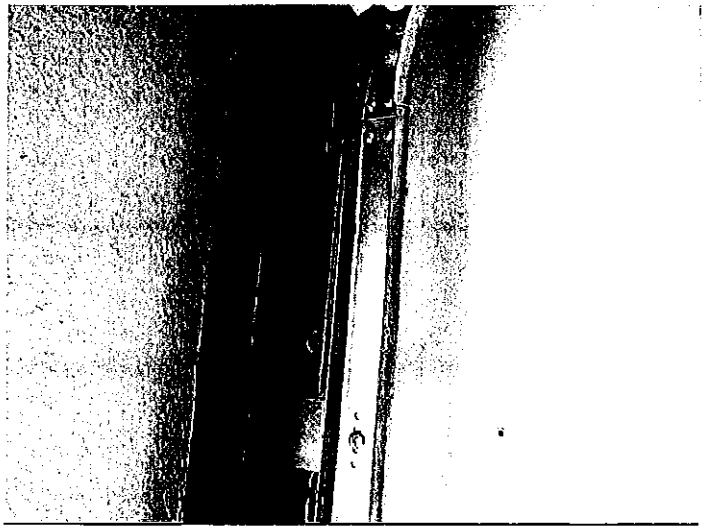
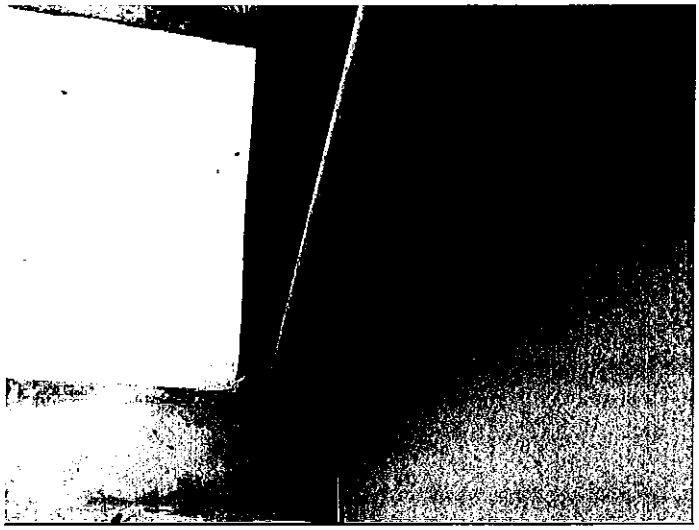
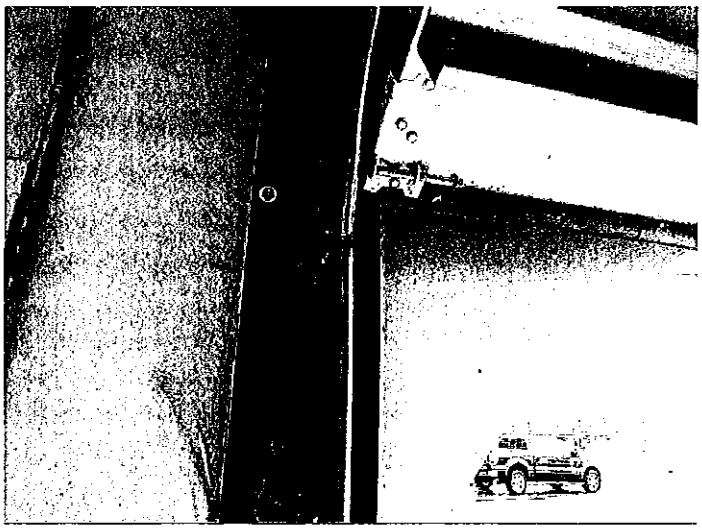
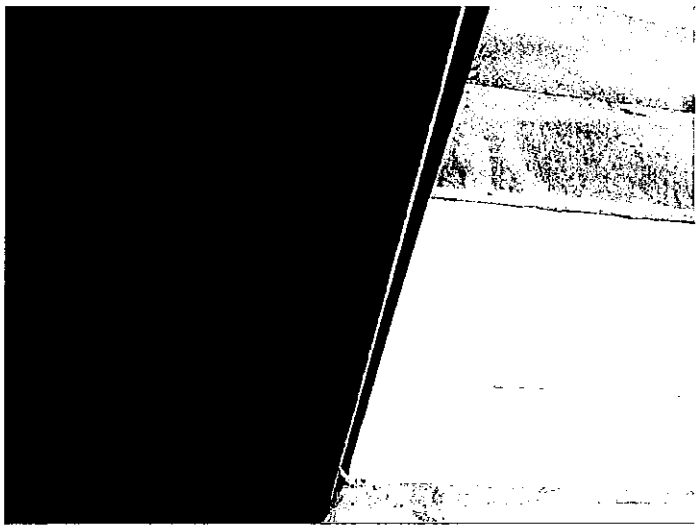












Uniform Mitigation Verification Inspection Form

Maintain a copy of this form and any documentation provided with the insurance policy

Inspection Date: Sep 10, 2024		
Owner Information		
Owner Name: Ocean Palm Villas North HOA		Contact Person: Dana
Address: Building 5, Ocean Palm Villas 2		Home Phone:
City: Flagler Beach	Zip: 32136	Work Phone: 321-352-6278
County: Flagler		Cell Phone:
Insurance Company:		Policy #:
Year of Home: 2011	# of Stories: 2	Email: team@flcoastmgt.com

NOTE: Any documentation used in validating the compliance or existence of each construction or mitigation attribute must accompany this form. At least one photograph must accompany this form to validate each attribute marked in questions 3 though 7. The insurer may ask additional questions regarding the mitigated feature(s) verified on this form.

1. **Building Code**: Was the structure built in compliance with the Florida Building Code (FBC 2001 or later) OR for homes located in the HVHZ (Miami-Dade or Broward counties), South Florida Building Code (SFBC-94)?

   ☐ A. Built in compliance with the FBC: Year Built 1979. For homes built in 2002/2003 provide a permit application with a date after 3/1/2002: Building Permit Application Date (MM/DD/YYYY)

   ☐ B. For the HVHZ Only: Built in compliance with the SFBC-94: Year Built _____. For homes built in 1994, 1995, and 1996 provide a permit application with a date after 9/1/1994: Building Permit Application Date (MM/DD/YYYY)

   ☑ C. Unknown or does not meet the requirements of Answer "A" or "B"

2. **Roof Covering:** Select all roof covering types in use. Provide the permit application date OR FBC/MDC Product Approval number OR Year of Original Installation/Replacement OR indicate that no information was available to verify compliance for each roof covering identified.

2.1 Roof Covering Type:	Permit Application Date	FBC or MDC Product Approval #	Year of Original Installation or Replacement	No Information Provided for Compliance
☐ 1. Asphalt/Fiberglass Shingle				☐
☐ 2. Concrete/Clay Tile				☐
☐ 3. Metal				☐
☐ 4. Built Up				☐
☐ 5. Membrane				☐
☑ 6. Other Rolled Bitinum		24-0709.01	2011	☐

   ☑ A. All roof coverings listed above meet the FBC with a FBC or Miami-Dade Product Approval listing current at time of installation OR have a roofing permit application date on or after 3/1/02 OR the roof is original and built in 2004 or later.

   ☐ B. All roof coverings have a Miami-Dade Product Approval listing current at time of installation OR (for the HVHZ only) a roofing permit application after 9/1/1994 and before 3/1/2002 OR the roof is original and built in 1997 or later.

   ☐ C. One or more roof coverings do not meet the requirements of Answer "A" or "B".

   ☐ D. No roof coverings meet the requirements of Answer "A" or "B".

3. **Roof Deck Attachment**: What is the **weakest** form of roof deck attachment?

   ☐ A. Plywood/Oriented strand board (OSB) roof sheathing attached to the roof truss/rafter (spaced a maximum of 24" inches o.c.) by staples or 6d nails spaced at 6" along the edge and 12" in the field. -OR- Batten decking supporting wood shakes or wood shingles. -OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that has an equivalent mean uplift less than that required for Options B or C below.

   ☐ B. Plywood/OSB roof sheathing with a minimum thickness of 7/16"inch attached to the roof truss/rafter (spaced a maximum of 24"inches o.c.) by 8d common nails spaced a maximum of 12" inches in the field.-OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that is shown to have an equivalent or greater resistance 8d nails spaced a maximum of 12 inches in the field or has a mean uplift resistance of at least 103 psf.

   ☐ C. Plywood/OSB roof sheathing with a minimum thickness of 7/16"inch attached to the roof truss/rafter (spaced a maximum of 24"inches o.c.) by 8d common nails spaced a maximum of 6" inches in the field. -OR- Dimensional lumber/Tongue & Groove decking with a minimum of 2 nails per board (or 1 nail per board if each board is equal to or less than 6 inches in width). -OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that is shown to have an equivalent

or greater resistance than 8d common nails spaced a maximum of 6 inches in the field or has a mean uplift resistance of at least 182 psf.

- [x] D. Reinforced Concrete Roof Deck.
- [ ] E. Other: _____
- [ ] F. Unknown or unidentified.
- [ ] G. No attic access.

4. **Roof to Wall Attachment:** What is the **WEAKEST** roof to wall connection? (Do not include attachment of hip/valley jacks within 5 feet of the inside or outside corner of the roof in determination of WEAKEST type)

- [ ] A. Toe Nails
  - [ ] Truss/rafter anchored to top plate of wall using nails driven at an angle through the truss/rafter and attached to the top plate of the wall, or
  - [ ] Metal connectors that do not meet the minimal conditions or requirements of B, C, or D

Minimal conditions to qualify for categories B, C, or D. All visible metal connectors are:

- [ ] Secured to truss/rafter with a minimum of three (3) nails, **and**
- [ ] Attached to the wall top plate of the wall framing, or embedded in the bond beam, with less than a ½" gap from the blocking or truss/rafter **and** blocked no more than 1.5" of the truss/rafter, **and** free of visible severe corrosion.

- [ ] B. Clips
  - [ ] Metal connectors that do not wrap over the top of the truss/rafter, **or**
  - [ ] Metal connectors with a minimum of 1 strap that wraps over the top of the truss/rafter and does not meet the nail position requirements of C or D, but is secured with a minimum of 3 nails.
- [ ] C. Single Wraps
  Metal connectors consisting of a single strap that wraps over the top of the truss/rafter and is secured with a minimum of 2 nails on the front side and a minimum of 1 nail on the opposing side.
- [ ] D. Double Wraps
  - [ ] Metal Connectors consisting of 2 separate straps that are attached to the wall frame, or embedded in the bond beam, on either side of the truss/rafter where each strap wraps over the top of the truss/rafter and is secured with a minimum of 2 nails on the front side, and a minimum of 1 nail on the opposing side, **or**
  - [ ] Metal connectors consisting of a single strap that wraps over the top of the truss/rafter, is secured to the wall on both sides, and is secured to the top plate with a minimum of three nails on each side.
- [ ] E. Structural Anchor bolts structurally connected or reinforced concrete roof.
- [x] F. Other: Poured Concrete
- [ ] G. Unknown or unidentified
- [x] H. No attic access

5. **Roof Geometry:** What is the roof shape? (Do not consider roofs of porches or carports that are attached only to the fascia or wall of the host structure over unenclosed space in the determination of roof perimeter or roof area for roof geometry classification).

- [x] A. Hip Roof — Hip roof with no other roof shapes greater than 10% of the total roof system perimeter.
  Total length of non-hip features: 0 feet; Total roof system perimeter: _____ feet
- [ ] B. Flat Roof — Roof on a building with 5 or more units where at least 90% of the main roof area has a roof slope of less than 2:12. Roof area with slope less than 2:12 _____ sq ft; Total roof area _____ sq ft
- [ ] C. Other Roof — Any roof that does not qualify as either (A) or (B) above.

6. **Secondary Water Resistance (SWR):** (standard underlayments or hot-mopped felts do not qualify as an SWR)

- [ ] A. SWR (also called Sealed Roof Deck) Self-adhering polymer modified-bitumen roofing underlayment applied directly to the sheathing or foam adhesive SWR barrier (not foamed-on insulation) applied as a supplemental means to protect the dwelling from water intrusion in the event of roof covering loss.
- [x] B. No SWR.
- [ ] C. Unknown or undetermined.

Inspectors Initials RMB **Property Address** Building 5, Ocean Palm Villas 2 Flagler Beach

***This verification form is valid for up to five (5) years provided no material changes have been made to the structure or inaccuracies found on the form.**

7. **Opening Protection:** What is the **weakest** form of wind borne debris protection installed on the structure? **First**, use the table to determine the weakest form of protection for each category of opening. **Second**, (a) check one answer below (A, B, C, N, or X) based upon the lowest protection level for ALL Glazed openings **and** (b) check the protection level for all Non-Glazed openings (.1, .2, or .3) as applicable.

Opening Protection Level Chart Place an "X" in each row to identify all forms of protection in use for each opening type. Check only one answer below (A thru X), based on the weakes form of protection (lowest row) for any of the Glazed openings and indicat the weakest form of protection (lowest row) for Non-Glazed openings.		Glazed Openings				Non-Glazed Openings	
		Windows or Entry Doors	Garage Doors	Skylights	Glass Block	Entry Doors	Garage Doors
N/A	Not Applicable- there are no openings of this type on the structure		X		X		
A	Verified cyclic pressure & large missile (9-lb for windows doors/4.5 lb for skylights)			X			
B	Verified cyclic pressure & large missile (4-8 lb for windows doors/2 lb for skylights)					X	X
C	Verified plywood/OSB meeting Table 1609.1.2 of the FBC 2007						
D	Verified Non-Glazed Entry or Garage doors indicating compliance with ASTM E 330, ANSI/DASMA 108, or PA/TAS 202 for wind pressure resistance						
N	Opening Protection products that appear to be A or B but are not verified						
	Other protective coverings that cannot be identified as A, B, or C						
X	No Windborne Debris Protection	X					

☐ **A. Exterior Openings Cyclic Pressure and 9-lb Large Missile (4.5 lb for skylights only)** All Glazed openings are protected at a minimum, with impact resistant coverings or products listed as wind borne debris protection devices in the product approval system of the State of Florida or Miami-Dade County and meet the requirements of one of the following for "Cyclic Pressure and Large Missile Impact" (Level A in the table above).

Miami-Dade County PA 201, 202, **and** 203

Florida Building Code Testing Application Standard (TAS) 201, 202, **and** 203

American Society for Testing and Materials (ASTM) E 1886 **and** ASTM E 1996

Southern Standards Technical Document (SSTD) 12

For Skylights Only: ASTM E 1886 **and** ASTM E 1996

For Garage Doors Only: ANSI/DASMA 115

☐ A.1 All Non-Glazed openings classified as A in the table above, or no Non-Glazed openings exist

☐ A.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level B, C, N, or X in the table above

☐ A.3 One or More Non-Glazed Openings is classified as Level B, C, N, or X in the table above

☐ **B. Exterior Opening Protection- Cyclic Pressure and 4 to 8-lb Large Missile (2-4.5 lb for skylights only)** All Glazed openings are protected, at a minimum, with impact resistant coverings or products listed as windborne debris protection devices in the product approval system of the State of Florida or Miami-Dade County and meet the requirements of one of the following for "Cyclic Pressure and Large Missile Impact" (Level B in the table above):

ASTM E 1886 **and** ASTM E 1996 (Large Missile – 4.5 lb.)

SSTD 12 (Large Missile – 4 lb. to 8 lb.)

For Skylights Only: ASTM E 1886 **and** ASTM E 1996 (Large Missile - 2 to 4.5 lb.)

☐ B.1 All Non-Glazed openings classified as A or B in the table above, or no Non-Glazed openings exist

☐ B.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level C, N, or X in the table above

☐ B.3 One or More Non-Glazed openings is classified as Level C, N, or X in the table above

☐ **C. Exterior Opening Protection- Wood Structural Panels meeting FBC 2007** All Glazed openings are covered with plywood/OSB meeting the requirements of Table 1609.1.2 of the FBC 2007 (Level C in the table above).

☐ C.1 All Non-Glazed openings classified as A, B, or C in the table above, or no Non-Glazed openings exist

☐ C.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level N or X in the table above

☐ C.3 One or More Non-Glazed openings is classified as Level N or X in the table above

Inspectors Initials RMB **Property Address** Building 5, Ocean Palm Villas 2 Flagler Beach

***This verification form is valid for up to five (5) years provided no material changes have been made to the structure or inaccuracies found on the form.**

☐ **N. Exterior Opening Protection (unverified shutter systems with no documentation)** All Glazed openings are protected with protective coverings not meeting the requirements of Answer "A", "B", or C" or systems that appear to meet Answer "A" or "B" with no documentation of compliance (Level N in the table above).

☐ N.1 All Non-Glazed openings classified as Level A, B, C, or N in the table above, or no Non-Glazed openings exist

☐ N.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level X in the table above

☐ N.3 One or More Non-Glazed openings is classified as Level X in the table above

☑ **X. None or Some Glazed Openings** One or more Glazed openings classified and Level X in the table above.

MITIGATION INSPECTIONS MUST BE CERTIFIED BY A QUALIFIED INSPECTOR.
Section 627.711(2), Florida Statutes, provides a listing of individuals who may sign this form.

Qualified Inspector Name:	License Type:	License or Certificate #:
RHETT M BRADLEY	Home Inspector	HI12066

Inspection Company:	Email:	Phone:
Bradders Property Inspection Services, LLC	BraddersPIS@gmail.com	386-243-2263

Qualified Inspector – I hold an active license as a : (check one)

☑ Home inspector licensed under Section 468.8314, Florida Statutes who has completed the statutory number of hours of hurricane mitigation training approved by the Construction Industry Licensing Board and completion of a proficiency exam.

☐ Building code inspector certified under Section 468.607, Florida Statutes.

☐ General, building or residential contractor licensed under Section 489.111, Florida Statutes.

☐ Professional engineer licensed under Section 471.015, Florida Statutes.

☐ Professional architect licensed under Section 481.213, Florida Statutes.

☐ Any other individual or entity recognized by the insurer as possessing the necessary qualifications to properly complete a uniform mitigation verification form pursuant to Section 627.711(2), Florida Statutes.

Individuals other than licensed contractors licensed under Section 489.111, Florida Statutes, or professional engineer licensed under Section 471.015, Florida Statues, must inspect the structures personally and not through employees or other persons. Licensees under s.471.015 or s.489.111 may authorize a direct employee who possesses the requisite skill, knowledge, and experience to conduct a mitigation verification inspection.

I, RHETT M BRADLEY **(print name) am a qualified inspector and I personally performed the inspection or (** ***licensed contractors and professional engineers only*** **) I had my employee (_____) perform the inspection (print name of inspector) and I agree to be responsible for his/her work.**

Qualified Inspector Signature: [signature] **Date:** Sep 10, 2024

An individual or entity who knowingly or through gross negligence provides a false or fraudulent mitigation verification form is subject to investigation by the Florida Division of Insurance Fraud and may be subject to administrative action by the appropriate licensing agency or to criminal prosecution. (Section 627.711(4)-(7), Florida Statutes) The Qualified Inspector who certifies this form shall be directly liable for the misconduct of employees as if the authorized mitigation inspector personally performed the inspection.

Homeowner to complete: I certify that the named Qualified Inspector or his or her employee did perform an inspection of the residence identified on this form and that proof of identification was provided to me or my Authorized Representative.

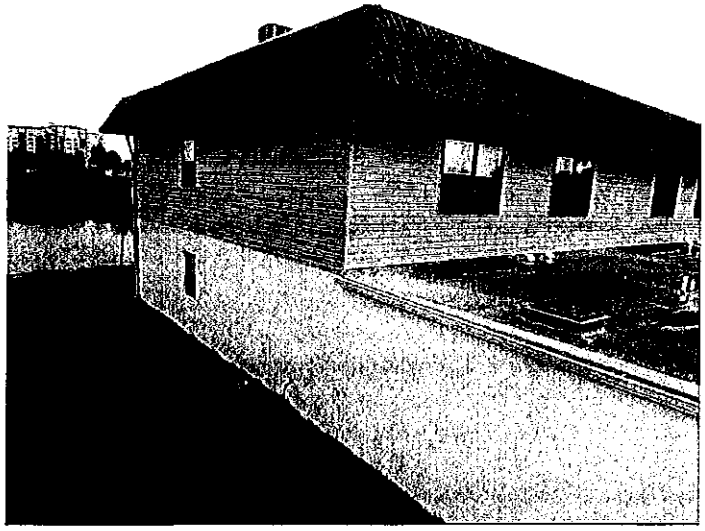
Signature: _____ **Date:** Sep 10, 2024

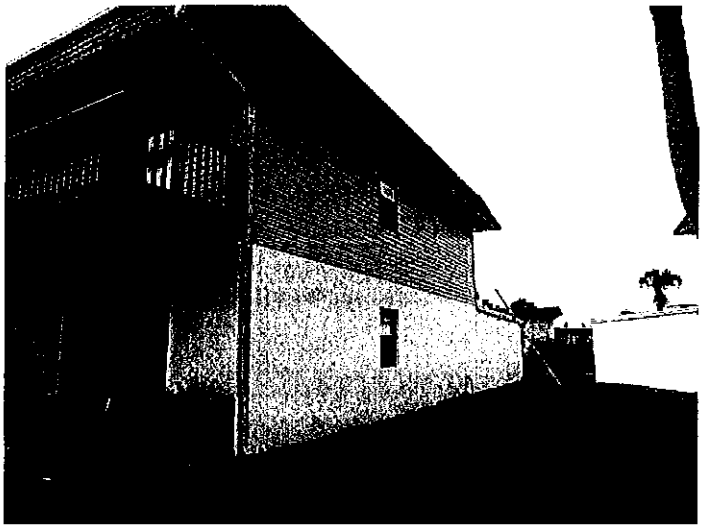
An individual or entity who knowingly provides or utters a false or fraudulent mitigation verification form with the intent to obtain or receive a discount on an insurance premium to which the individual or entity is not entitled commits a misdemeanor of the first degree. (Section 627.711(7), Florida Statutes)

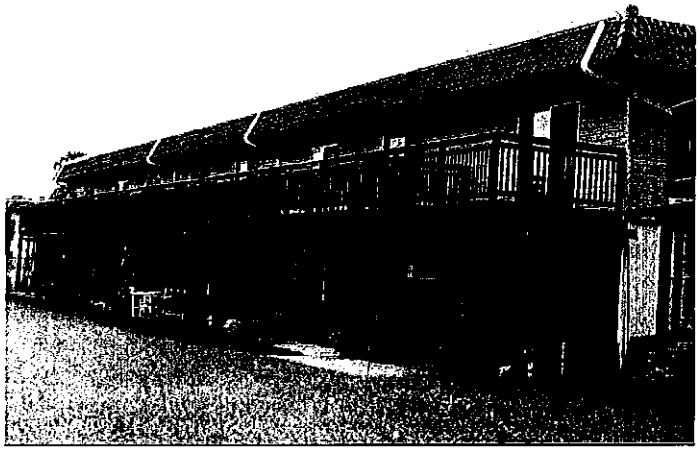
The definitions on this form are for inspection purposes only and cannot be used to certify any product or construction feature as offering protection from hurricanes.

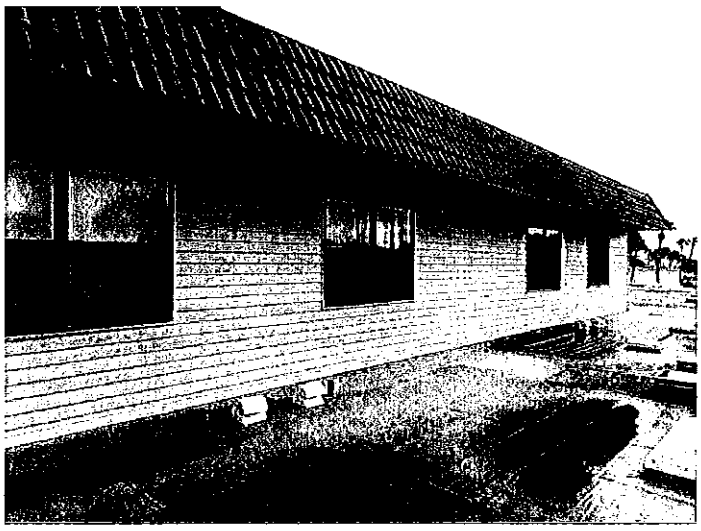
Inspectors Initials RMB **Property Address** Building 5, Ocean Palm Villas 2 Flagler Beach

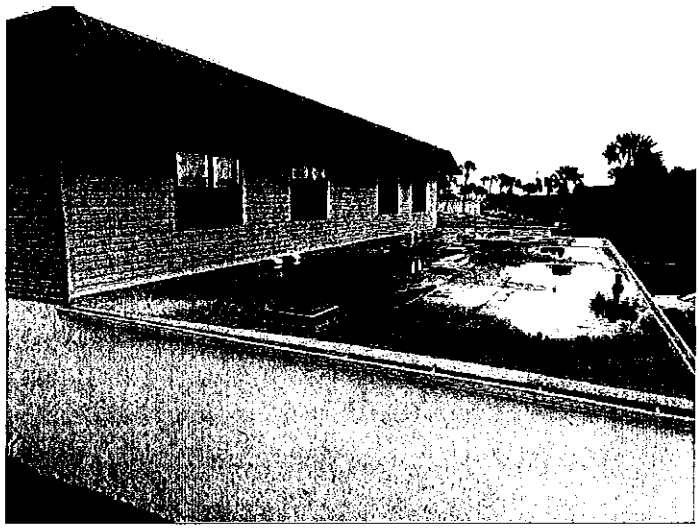
***This verification form is valid for up to five (5) years provided no material changes have been made to the structure or inaccuracies found on the form.**

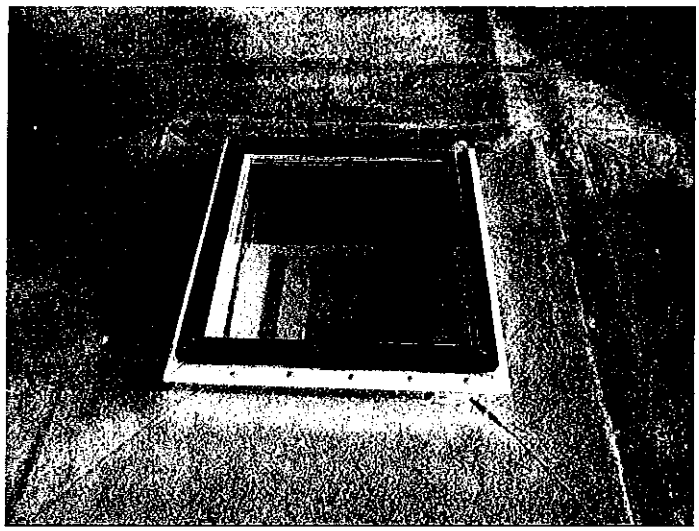


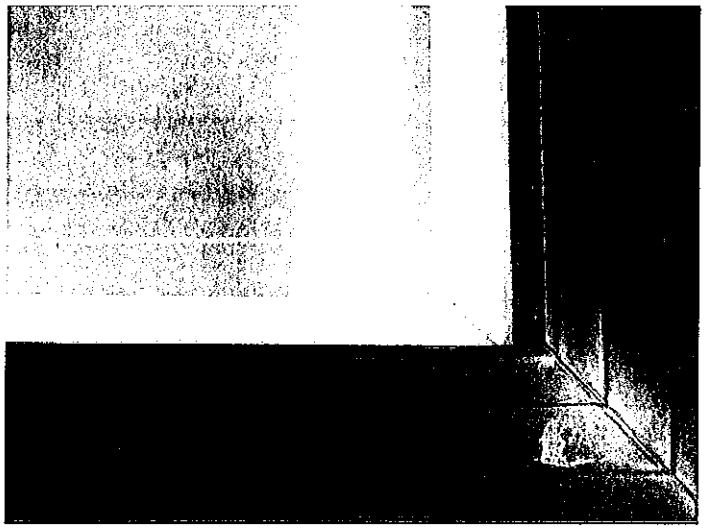


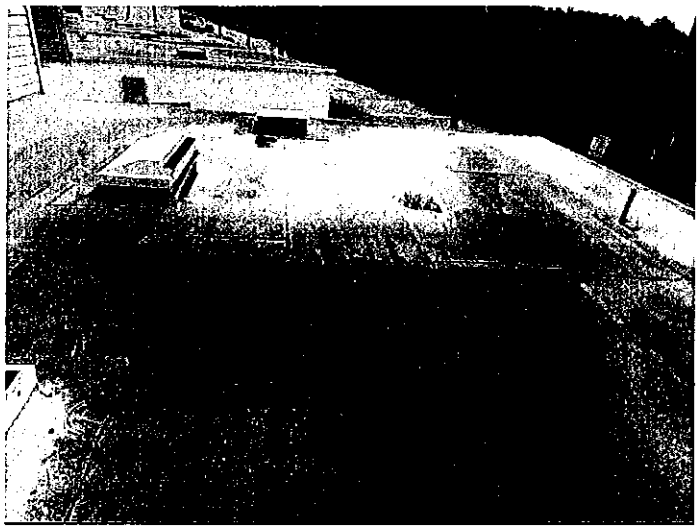


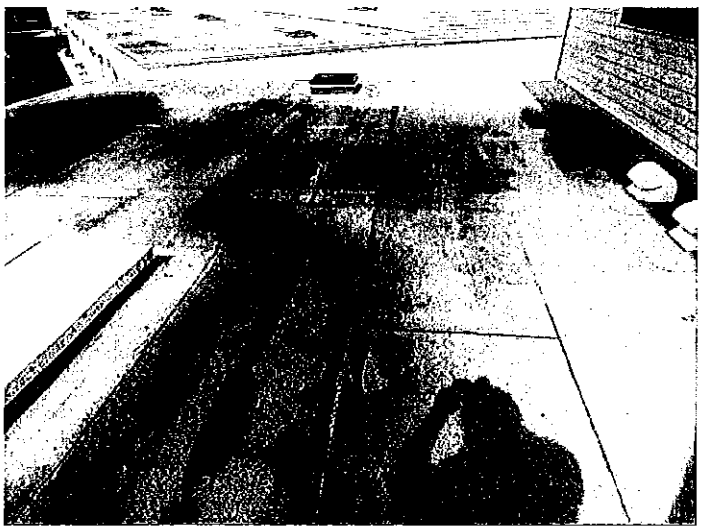


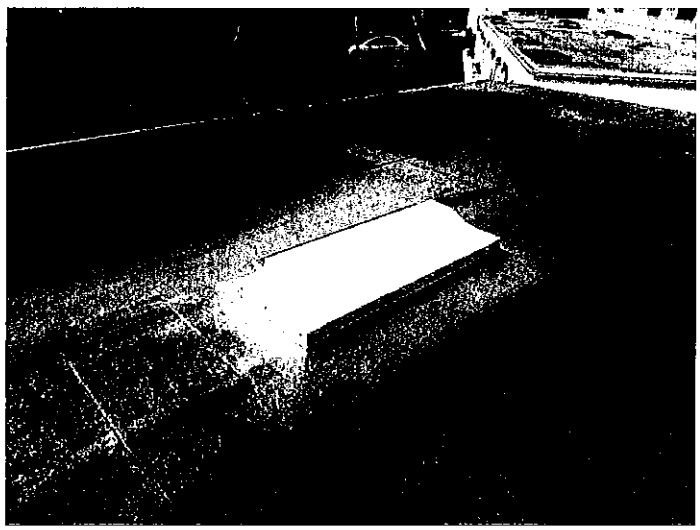


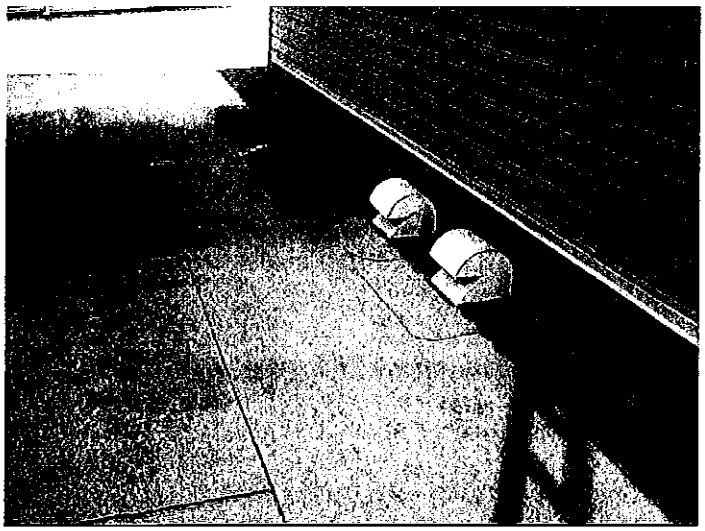


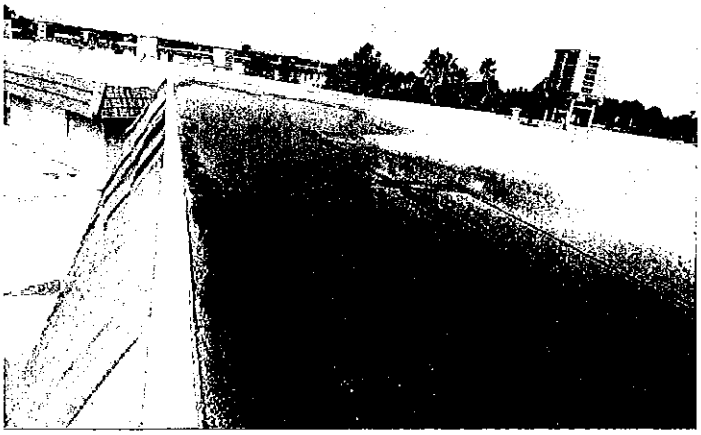


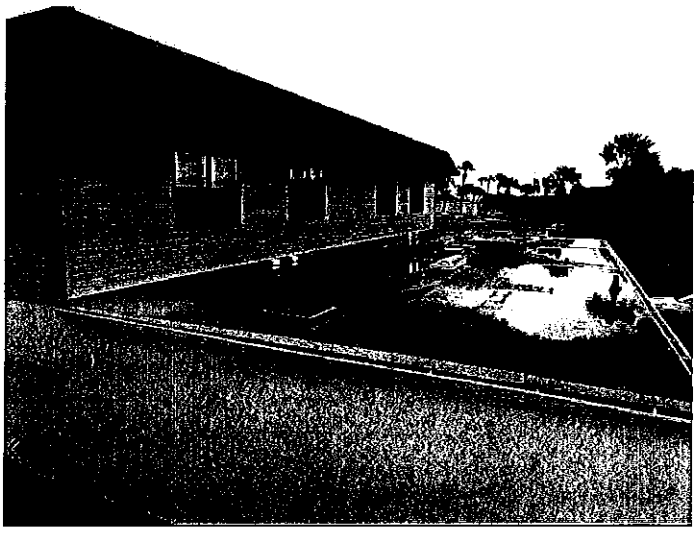


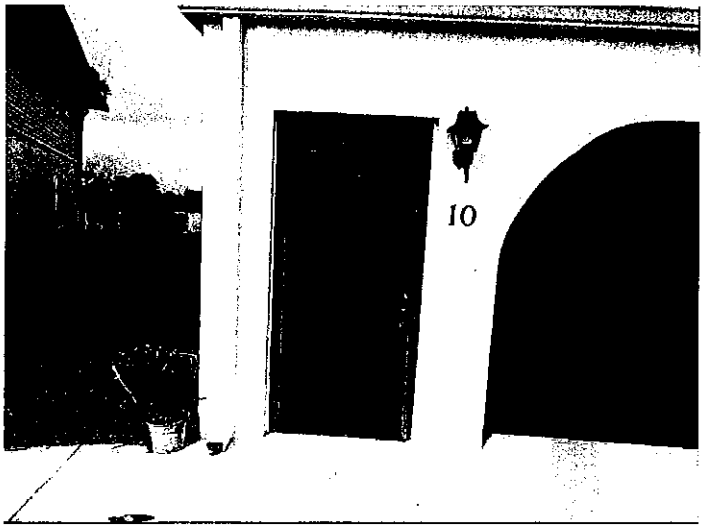








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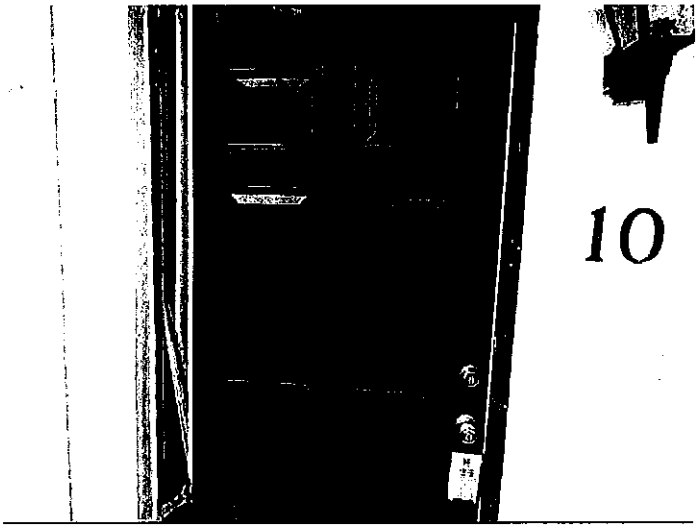
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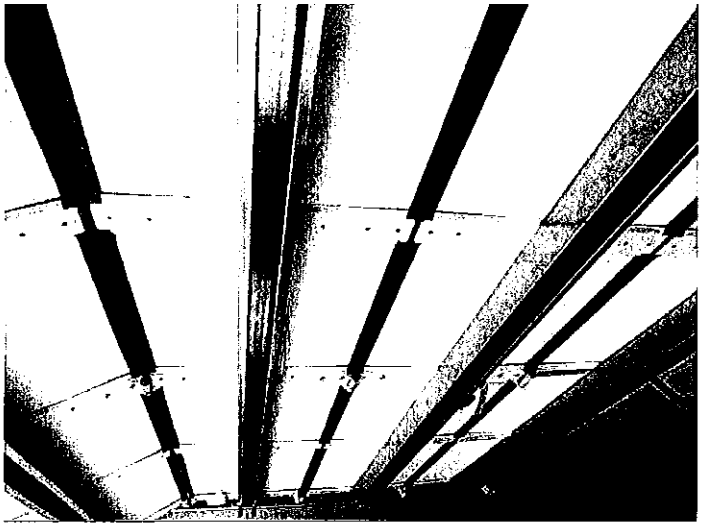

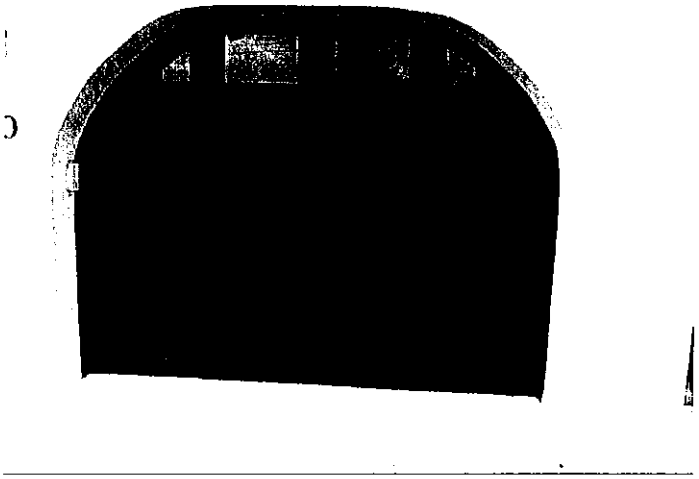

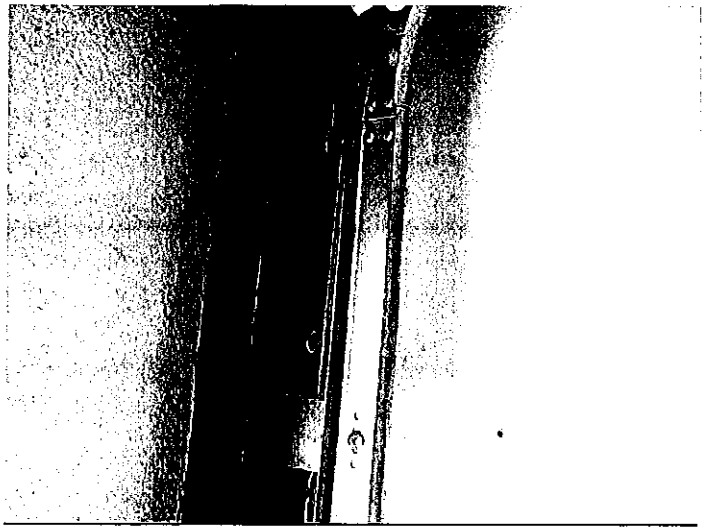

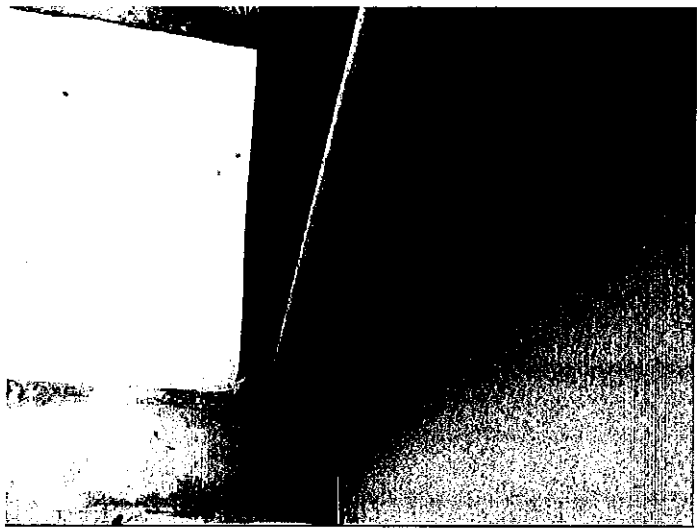

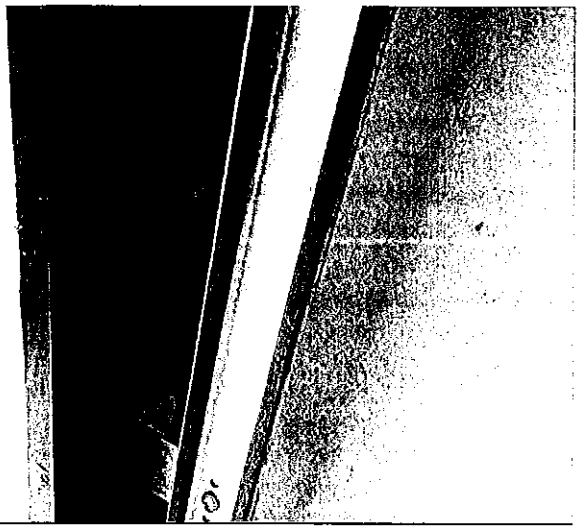

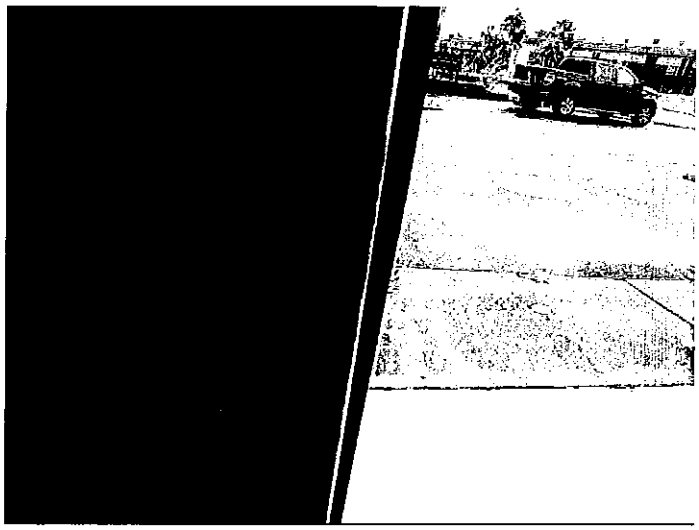

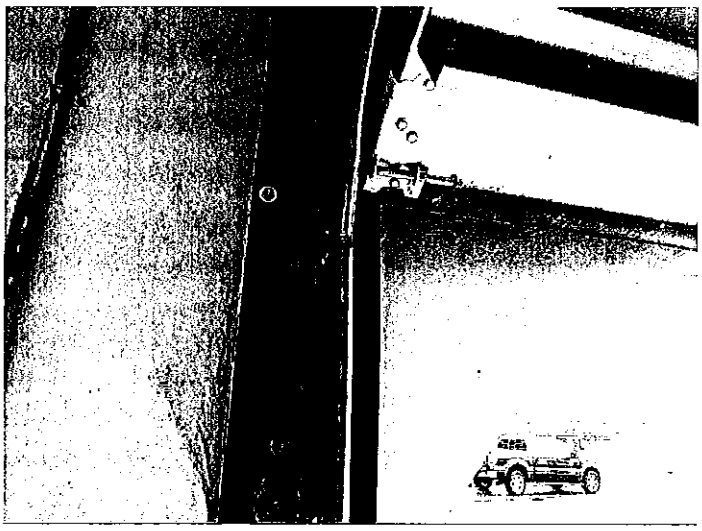

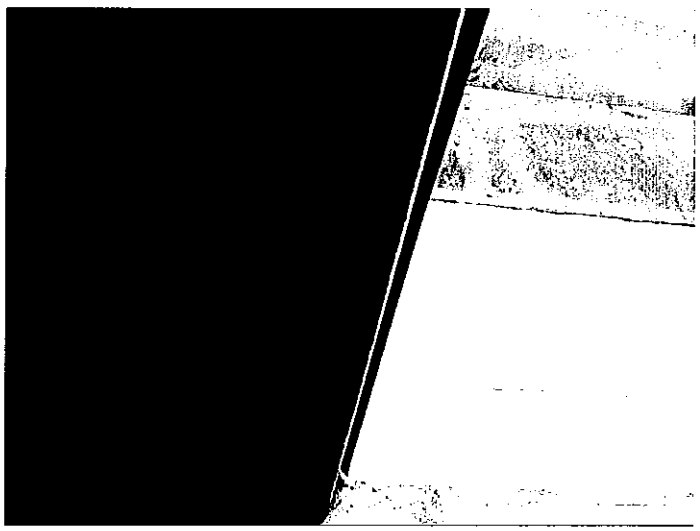

Uniform Mitigation Verification Inspection Form

Maintain a copy of this form and any documentation provided with the insurance policy

Inspection Date: Sep 10, 2024		
Owner Information		
Owner Name: Ocean Palm Villas North HOA		Contact Person: Dana
Address: Building 6, Ocean Palm Villas 2		Home Phone:
City: Flagler Beach	Zip: 32136	Work Phone: 321-352-6278
County: Flagler		Cell Phone:
Insurance Company:		Policy #:
Year of Home: 1979	# of Stories: 2	Email: team@flcoastmgt.com

NOTE: Any documentation used in validating the compliance or existence of each construction or mitigation attribute must accompany this form. At least one photograph must accompany this form to validate each attribute marked in questions 3 though 7. The insurer may ask additional questions regarding the mitigated feature(s) verified on this form.

1. **Building Code**: Was the structure built in compliance with the Florida Building Code (FBC 2001 or later) OR for homes located in the HVHZ (Miami-Dade or Broward counties), South Florida Building Code (SFBC-94)?
   - ☐ A. Built in compliance with the FBC: Year Built 1979. For homes built in 2002/2003 provide a permit application with a date after 3/1/2002: Building Permit Application Date (MM/DD/YYYY)
   - ☐ B. For the HVHZ Only: Built in compliance with the SFBC-94: Year Built _____. For homes built in 1994, 1995, and 1996 provide a permit application with a date after 9/1/1994: Building Permit Application Date (MM/DD/YYYY)
   - ☑ C. Unknown or does not meet the requirements of Answer "A" or "B"
2. **Roof Covering:** Select all roof covering types in use. Provide the permit application date OR FBC/MDC Product Approval number OR Year of Original Installation/Replacement OR indicate that no information was available to verify compliance for each roof covering identified.

2.1 Roof Covering Type:	Permit Application Date	FBC or MDC Product Approval #	Year of Original Installation or Replacement	No Information Provided for Compliance
☐ 1. Asphalt/Fiberglass Shingle				☐
☐ 2. Concrete/Clay Tile				☐
☐ 3. Metal				☐
☐ 4. Built Up				☐
☑ 5. Membrane		19-0617.04	2019	☐
☑ 6. Other Rolled Bitinum		24-0709.01	2011	☐

   - ☑ A. All roof coverings listed above meet the FBC with a FBC or Miami-Dade Product Approval listing current at time of installation OR have a roofing permit application date on or after 3/1/02 OR the roof is original and built in 2004 or later.
   - ☐ B. All roof coverings have a Miami-Dade Product Approval listing current at time of installation OR (for the HVHZ only) a roofing permit application after 9/1/1994 and before 3/1/2002 OR the roof is original and built in 1997 or later.
   - ☐ C. One or more roof coverings do not meet the requirements of Answer "A" or "B".
   - ☐ D. No roof coverings meet the requirements of Answer "A" or "B".
3. **Roof Deck Attachment**: What is the **weakest** form of roof deck attachment?
   - ☐ A. Plywood/Oriented strand board (OSB) roof sheathing attached to the roof truss/rafter (spaced a maximum of 24" inches o.c.) by staples or 6d nails spaced at 6" along the edge and 12" in the field. -OR- Batten decking supporting wood shakes or wood shingles. -OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that has an equivalent mean uplift less than that required for Options B or C below.
   - ☐ B. Plywood/OSB roof sheathing with a minimum thickness of 7/16"inch attached to the roof truss/rafter (spaced a maximum of 24"inches o.c.) by 8d common nails spaced a maximum of 12" inches in the field.-OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that is shown to have an equivalent or greater resistance 8d nails spaced a maximum of 12 inches in the field or has a mean uplift resistance of at least 103 psf.
   - ☐ C. Plywood/OSB roof sheathing with a minimum thickness of 7/16"inch attached to the roof truss/rafter (spaced a maximum of 24"inches o.c.) by 8d common nails spaced a maximum of 6" inches in the field. -OR- Dimensional lumber/Tongue & Groove decking with a minimum of 2 nails per board (or 1 nail per board if each board is equal to or less than 6 inches in width). -OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that is shown to have an equivalent

or greater resistance than 8d common nails spaced a maximum of 6 inches in the field or has a mean uplift resistance of at least 182 psf.

- [x] D. Reinforced Concrete Roof Deck.
- [ ] E. Other: _____
- [ ] F. Unknown or unidentified.
- [ ] G. No attic access.

4. **Roof to Wall Attachment:** What is the **WEAKEST** roof to wall connection? (Do not include attachment of hip/valley jacks within 5 feet of the inside or outside corner of the roof in determination of WEAKEST type)

- [ ] A. Toe Nails
  - [ ] Truss/rafter anchored to top plate of wall using nails driven at an angle through the truss/rafter and attached to the top plate of the wall, or
  - [ ] Metal connectors that do not meet the minimal conditions or requirements of B, C, or D

Minimal conditions to qualify for categories B, C, or D. All visible metal connectors are:

  - [ ] Secured to truss/rafter with a minimum of three (3) nails, **and**
  - [ ] Attached to the wall top plate of the wall framing, or embedded in the bond beam, with less than a ½" gap from the blocking or truss/rafter **and** blocked no more than 1.5" of the truss/rafter, **and** free of visible severe corrosion.

- [ ] B. Clips
  - [ ] Metal connectors that do not wrap over the top of the truss/rafter, **or**
  - [ ] Metal connectors with a minimum of 1 strap that wraps over the top of the truss/rafter and does not meet the nail position requirements of C or D, but is secured with a minimum of 3 nails.
- [ ] C. Single Wraps
  Metal connectors consisting of a single strap that wraps over the top of the truss/rafter and is secured with a minimum of 2 nails on the front side and a minimum of 1 nail on the opposing side.
- [ ] D. Double Wraps
  - [ ] Metal Connectors consisting of 2 separate straps that are attached to the wall frame, or embedded in the bond beam, on either side of the truss/rafter where each strap wraps over the top of the truss/rafter and is secured with a minimum of 2 nails on the front side, and a minimum of 1 nail on the opposing side, **or**
  - [ ] Metal connectors consisting of a single strap that wraps over the top of the truss/rafter, is secured to the wall on both sides, and is secured to the top plate with a minimum of three nails on each side.
- [ ] E. Structural Anchor bolts structurally connected or reinforced concrete roof.
- [x] F. Other: Poured Concrete
- [ ] G. Unknown or unidentified
- [x] H. No attic access

5. **Roof Geometry:** What is the roof shape? (Do not consider roofs of porches or carports that are attached only to the fascia or wall of the host structure over unenclosed space in the determination of roof perimeter or roof area for roof geometry classification).

- [x] A. Hip Roof — Hip roof with no other roof shapes greater than 10% of the total roof system perimeter.
  Total length of non-hip features: 0 feet; Total roof system perimeter: _____ feet
- [ ] B. Flat Roof — Roof on a building with 5 or more units where at least 90% of the main roof area has a roof slope of less than 2:12. Roof area with slope less than 2:12 _____ sq ft; Total roof area _____ sq ft
- [ ] C. Other Roof — Any roof that does not qualify as either (A) or (B) above.

6. **Secondary Water Resistance (SWR):** (standard underlayments or hot-mopped felts do not qualify as an SWR)

- [ ] A. SWR (also called Sealed Roof Deck) Self-adhering polymer modified-bitumen roofing underlayment applied directly to the sheathing or foam adhesive SWR barrier (not foamed-on insulation) applied as a supplemental means to protect the dwelling from water intrusion in the event of roof covering loss.
- [x] B. No SWR.
- [ ] C. Unknown or undetermined.

Inspectors Initials RMB **Property Address** Building 6, Ocean Palm Villas 2 Flagler Beach

***This verification form is valid for up to five (5) years provided no material changes have been made to the structure or inaccuracies found on the form.**

7. **Opening Protection:** What is the **weakest** form of wind borne debris protection installed on the structure? **First**, use the table to determine the weakest form of protection for each category of opening. **Second**, (a) check one answer below (A, B, C, N, or X) based upon the lowest protection level for ALL Glazed openings **and** (b) check the protection level for all Non-Glazed openings (.1, .2, or .3) as applicable.

Opening Protection Level Chart Place an "X" in each row to identify all forms of protection in use for each opening type. Check only one answer below (A thru X), based on the weakes form of protection (lowest row) for any of the Glazed openings and indicat the weakest form of protection (lowest row) for Non-Glazed openings.		Glazed Openings				Non-Glazed Openings	
		Windows or Entry Doors	Garage Doors	Skylights	Glass Block	Entry Doors	Garage Doors
N/A	Not Applicable- there are no openings of this type on the structure		X		X		
A	Verified cyclic pressure & large missile (9-lb for windows doors/4.5 lb for skylights)						
B	Verified cyclic pressure & large missile (4-8 lb for windows doors/2 lb for skylights)					X	X
C	Verified plywood/OSB meeting Table 1609.1.2 of the FBC 2007						
D	Verified Non-Glazed Entry or Garage doors indicating compliance with ASTM E 330, ANSI/DASMA 108, or PA/TAS 202 for wind pressure resistance						
N	Opening Protection products that appear to be A or B but are not verified						
	Other protective coverings that cannot be identified as A, B, or C						
X	No Windborne Debris Protection	X		X			

☐ **A. Exterior Openings Cyclic Pressure and 9-lb Large Missile (4.5 lb for skylights only)** All Glazed openings are protected at a minimum, with impact resistant coverings or products listed as wind borne debris protection devices in the product approval system of the State of Florida or Miami-Dade County and meet the requirements of one of the following for "Cyclic Pressure and Large Missile Impact" (Level A in the table above).

Miami-Dade County PA 201, 202, **and** 203

Florida Building Code Testing Application Standard (TAS) 201, 202, **and** 203

American Society for Testing and Materials (ASTM) E 1886 **and** ASTM E 1996

Southern Standards Technical Document (SSTD) 12

For Skylights Only: ASTM E 1886 **and** ASTM E 1996

For Garage Doors Only: ANSI/DASMA 115

☐ A.1 All Non-Glazed openings classified as A in the table above, or no Non-Glazed openings exist

☐ A.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level B, C, N, or X in the table above

☐ A.3 One or More Non-Glazed Openings is classified as Level B, C, N, or X in the table above

☐ **B. Exterior Opening Protection- Cyclic Pressure and 4 to 8-lb Large Missile (2-4.5 lb for skylights only)** All Glazed openings are protected, at a minimum, with impact resistant coverings or products listed as windborne debris protection devices in the product approval system of the State of Florida or Miami-Dade County and meet the requirements of one of the following for "Cyclic Pressure and Large Missile Impact" (Level B in the table above):

ASTM E 1886 **and** ASTM E 1996 (Large Missile – 4.5 lb.)

SSTD 12 (Large Missile – 4 lb. to 8 lb.)

For Skylights Only: ASTM E 1886 **and** ASTM E 1996 (Large Missile - 2 to 4.5 lb.)

☐ B.1 All Non-Glazed openings classified as A or B in the table above, or no Non-Glazed openings exist

☐ B.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level C, N, or X in the table above

☐ B.3 One or More Non-Glazed openings is classified as Level C, N, or X in the table above

☐ **C. Exterior Opening Protection- Wood Structural Panels meeting FBC 2007** All Glazed openings are covered with plywood/OSB meeting the requirements of Table 1609.1.2 of the FBC 2007 (Level C in the table above).

☐ C.1 All Non-Glazed openings classified as A, B, or C in the table above, or no Non-Glazed openings exist

☐ C.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level N or X in the table above

☐ C.3 One or More Non-Glazed openings is classified as Level N or X in the table above

Inspectors Initials RMB **Property Address** Building 6, Ocean Palm Villas 2 Flagler Beach

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☐ **N. Exterior Opening Protection (unverified shutter systems with no documentation)** All Glazed openings are protected with protective coverings not meeting the requirements of Answer "A", "B", or C" or systems that appear to meet Answer "A" or "B" with no documentation of compliance (Level N in the table above).

☐ N.1 All Non-Glazed openings classified as Level A, B, C, or N in the table above, or no Non-Glazed openings exist

☐ N.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level X in the table above

☐ N.3 One or More Non-Glazed openings is classified as Level X in the table above

☑ **X. None or Some Glazed Openings** One or more Glazed openings classified and Level X in the table above.

MITIGATION INSPECTIONS MUST BE CERTIFIED BY A QUALIFIED INSPECTOR.
Section 627.711(2), Florida Statutes, provides a listing of individuals who may sign this form.

Qualified Inspector Name:	License Type:	License or Certificate #:
RHETT M BRADLEY	Home Inspector	HI12066

Inspection Company:	Email:	Phone:
Bradders Property Inspection Services, LLC	BraddersPIS@gmail.com	386-243-2263

Qualified Inspector – I hold an active license as a : (check one)

☑ Home inspector licensed under Section 468.8314, Florida Statutes who has completed the statutory number of hours of hurricane mitigation training approved by the Construction Industry Licensing Board and completion of a proficiency exam.

☐ Building code inspector certified under Section 468.607, Florida Statutes.

☐ General, building or residential contractor licensed under Section 489.111, Florida Statutes.

☐ Professional engineer licensed under Section 471.015, Florida Statutes.

☐ Professional architect licensed under Section 481.213, Florida Statutes.

☐ Any other individual or entity recognized by the insurer as possessing the necessary qualifications to properly complete a uniform mitigation verification form pursuant to Section 627.711(2), Florida Statutes.

Individuals other than licensed contractors licensed under Section 489.111, Florida Statutes, or professional engineer licensed under Section 471.015, Florida Statues, must inspect the structures personally and not through employees or other persons. Licensees under s.471.015 or s.489.111 may authorize a direct employee who possesses the requisite skill, knowledge, and experience to conduct a mitigation verification inspection.

I, RHETT M BRADLEY **(print name) am a qualified inspector and I personally performed the inspection or (** ***licensed contractors and professional engineers only*** **) I had my employee (_____) (print name of inspector) perform the inspection and I agree to be responsible for his/her work.**

Qualified Inspector Signature: [signature] **Date:** Sep 10, 2024

An individual or entity who knowingly or through gross negligence provides a false or fraudulent mitigation verification form is subject to investigation by the Florida Division of Insurance Fraud and may be subject to administrative action by the appropriate licensing agency or to criminal prosecution. (Section 627.711(4)-(7), Florida Statutes) The Qualified Inspector who certifies this form shall be directly liable for the misconduct of employees as if the authorized mitigation inspector personally performed the inspection.

Homeowner to complete: I certify that the named Qualified Inspector or his or her employee did perform an inspection of the residence identified on this form and that proof of identification was provided to me or my Authorized Representative.

Signature: _____ **Date:** Sep 10, 2024

An individual or entity who knowingly provides or utters a false or fraudulent mitigation verification form with the intent to obtain or receive a discount on an insurance premium to which the individual or entity is not entitled commits a misdemeanor of the first degree. (Section 627.711(7), Florida Statutes)

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Inspectors Initials RMB **Property Address** Building 6, Ocean Palm Villas 2 Flagler Beach

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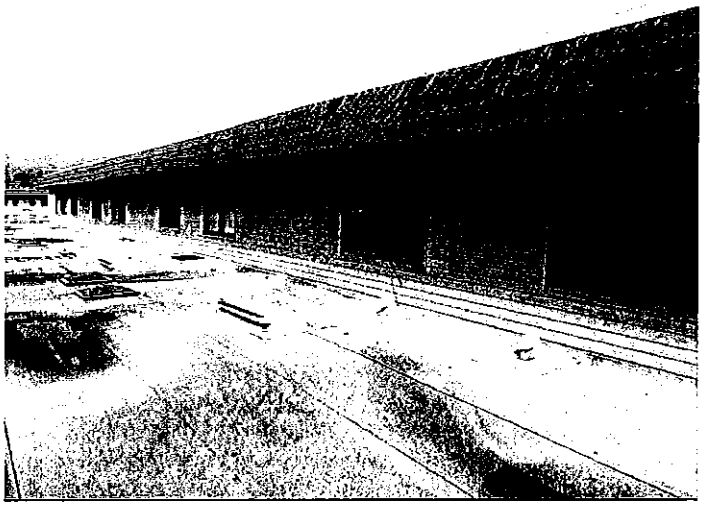

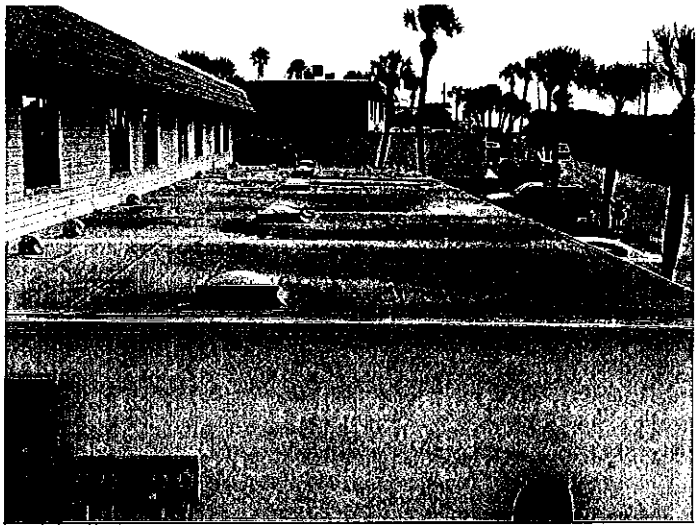

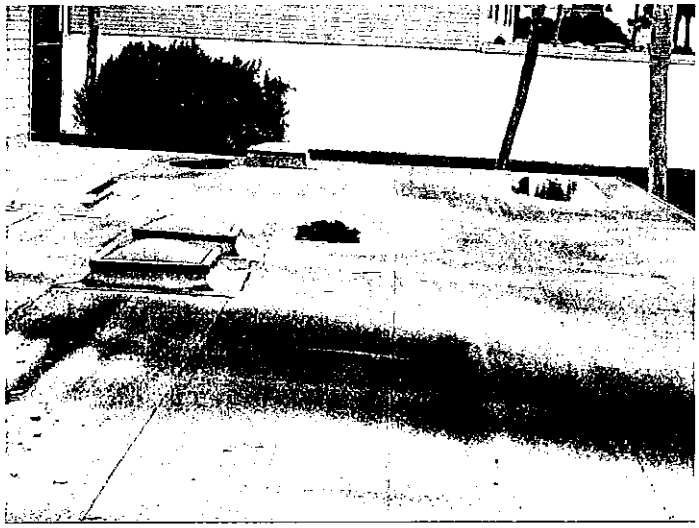

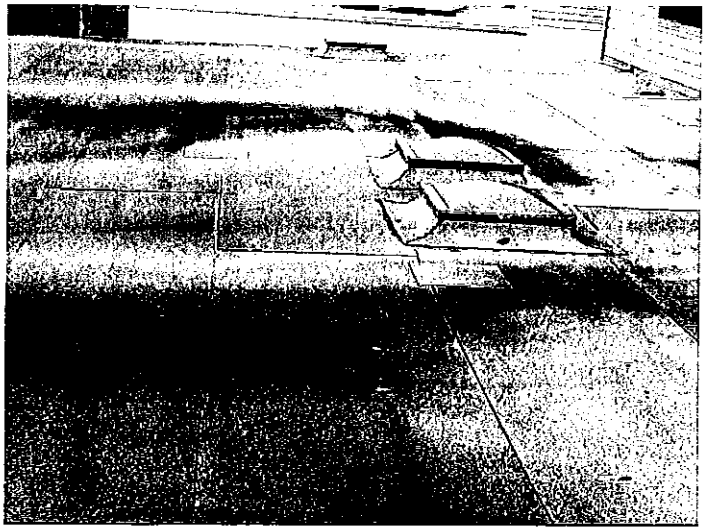

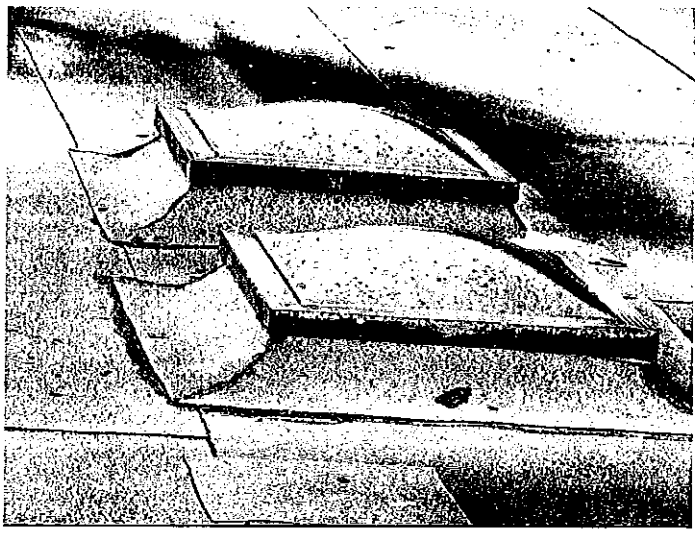

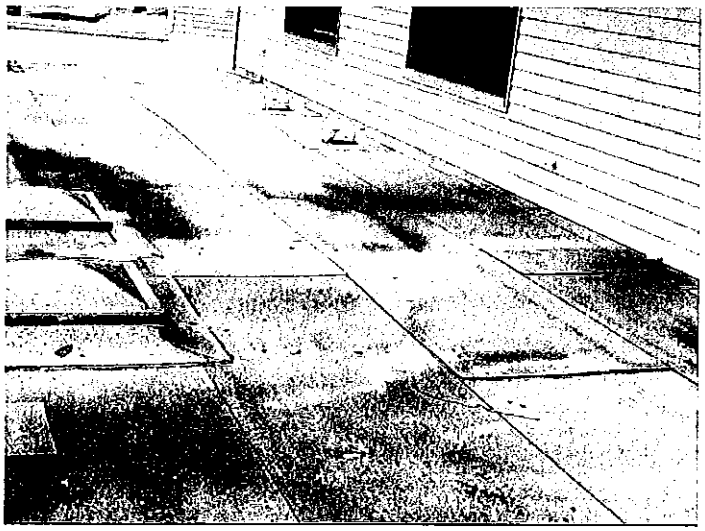

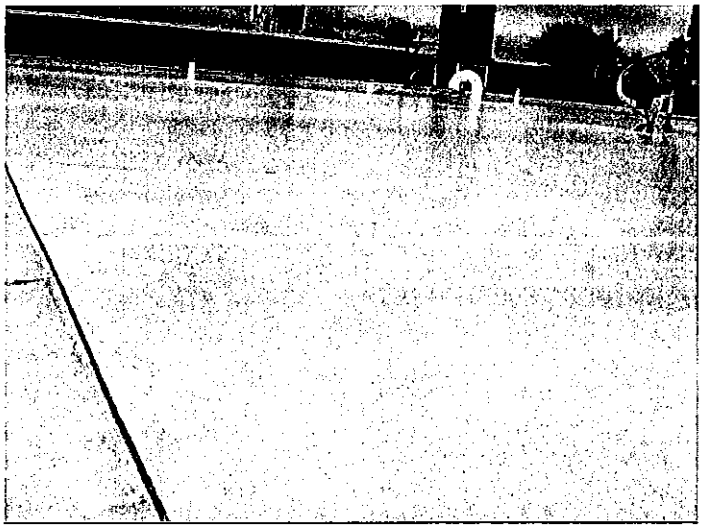

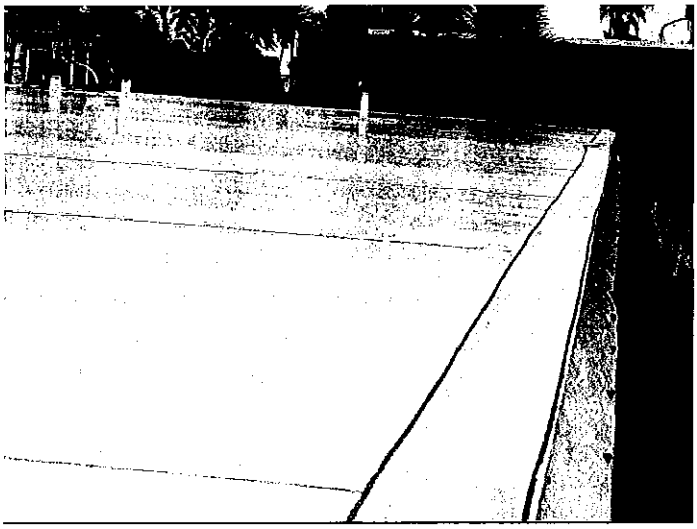

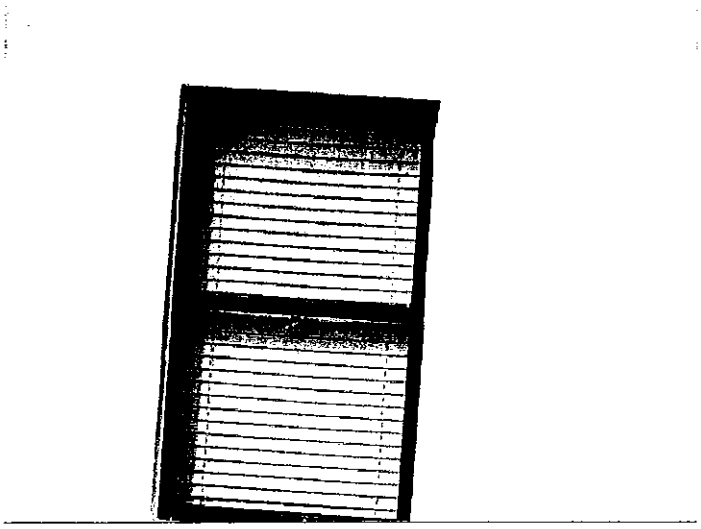

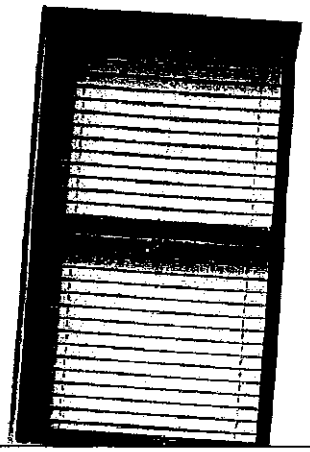

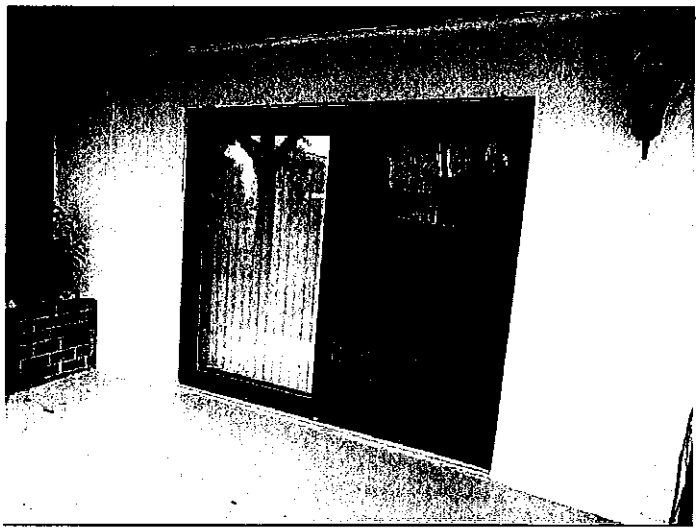

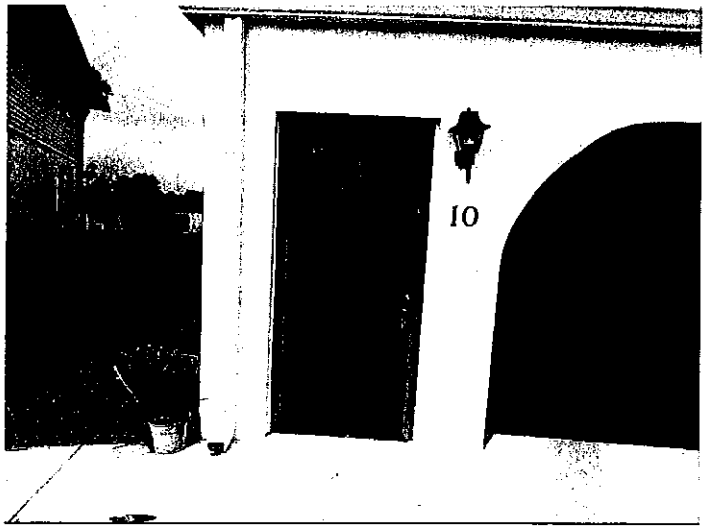
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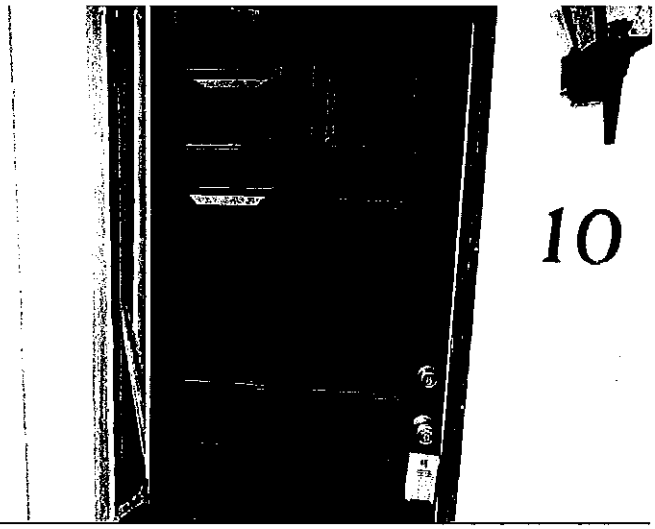
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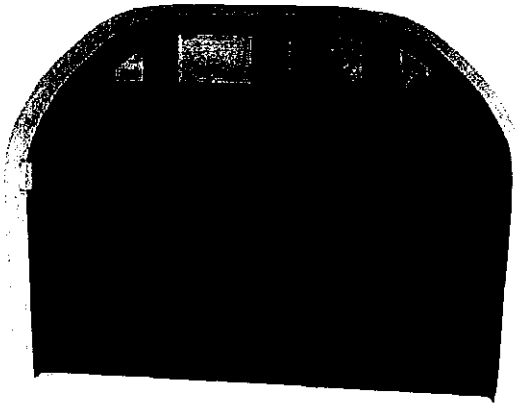

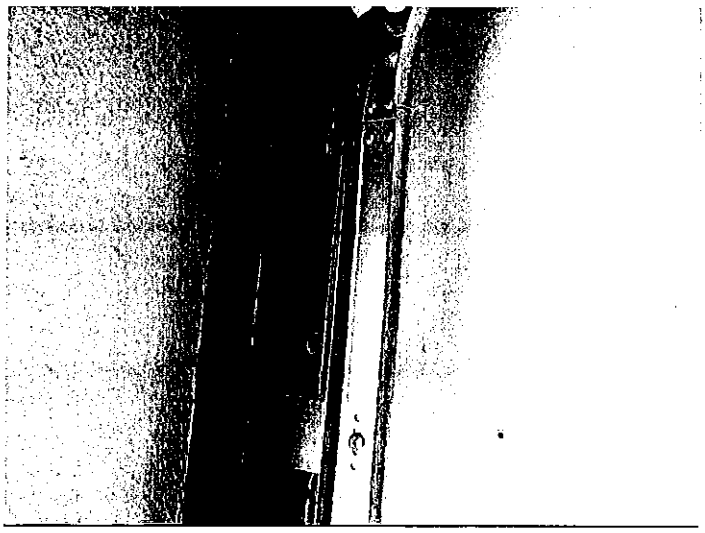

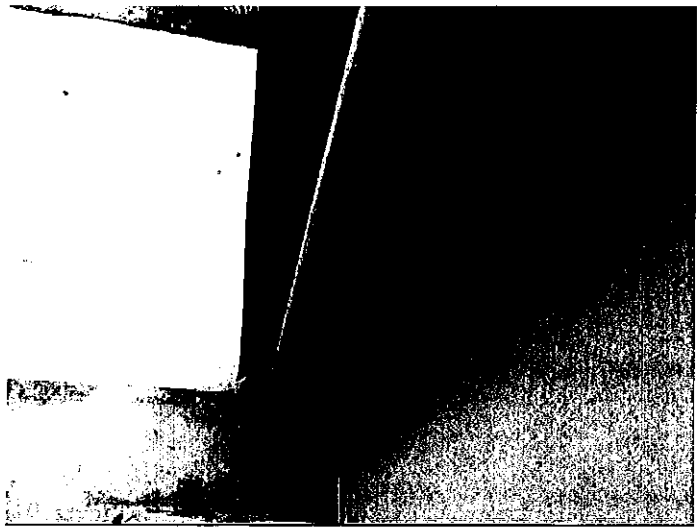

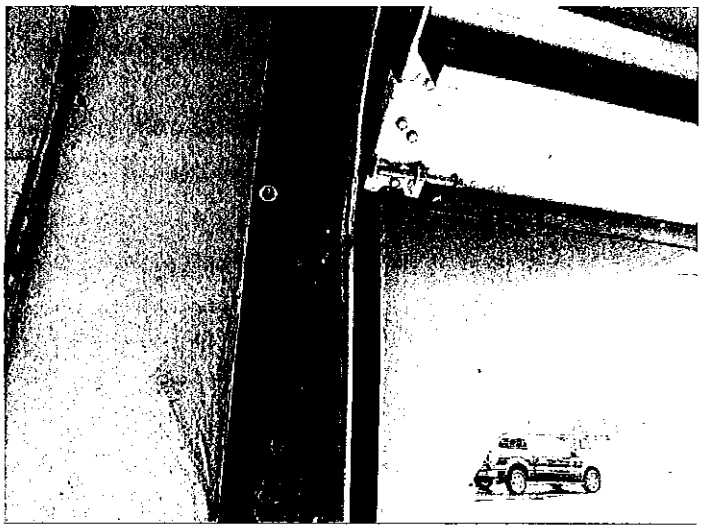

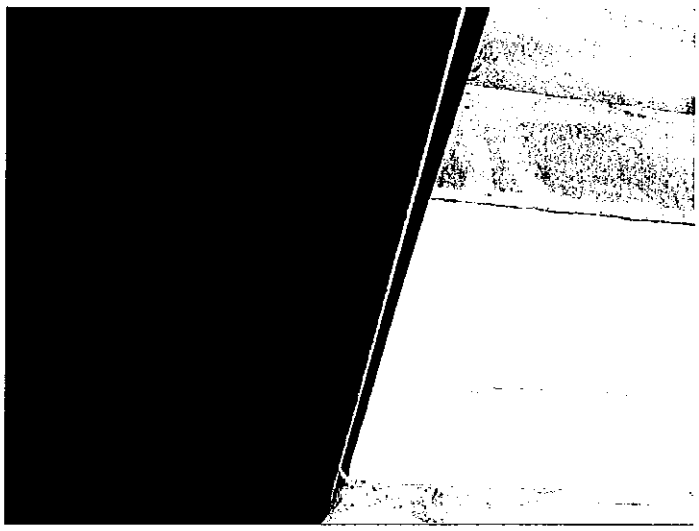

Uniform Mitigation Verification Inspection Form

Maintain a copy of this form and any documentation provided with the insurance policy

Inspection Date: Sep 10, 2024		
Owner Information		
Owner Name: Ocean Palm Villas North HOA		Contact Person: Dana
Address: Building 7, Ocean Palm Villas 3		Home Phone:
City: Flagler Beach	Zip: 32136	Work Phone: 321-352-6278
County: Flagler		Cell Phone:
Insurance Company:		Policy #:
Year of Home: 1979	# of Stories: 2	Email: team@flcoastmgt.com

NOTE: Any documentation used in validating the compliance or existence of each construction or mitigation attribute must accompany this form. At least one photograph must accompany this form to validate each attribute marked in questions 3 though 7. The insurer may ask additional questions regarding the mitigated feature(s) verified on this form.

1. **Building Code**: Was the structure built in compliance with the Florida Building Code (FBC 2001 or later) OR for homes located in the HVHZ (Miami-Dade or Broward counties), South Florida Building Code (SFBC-94)?
   - ☐ A. Built in compliance with the FBC: Year Built 1979. For homes built in 2002/2003 provide a permit application with a date after 3/1/2002: Building Permit Application Date (MM/DD/YYYY)
   - ☐ B. For the HVHZ Only: Built in compliance with the SFBC-94: Year Built _____. For homes built in 1994, 1995, and 1996 provide a permit application with a date after 9/1/1994: Building Permit Application Date (MM/DD/YYYY)
   - ☑ C. Unknown or does not meet the requirements of Answer "A" or "B"
2. **Roof Covering:** Select all roof covering types in use. Provide the permit application date OR FBC/MDC Product Approval number OR Year of Original Installation/Replacement OR indicate that no information was available to verify compliance for each roof covering identified.

2.1 Roof Covering Type:	Permit Application Date	FBC or MDC Product Approval #	Year of Original Installation or Replacement	No Information Provided for Compliance
☐ 1. Asphalt/Fiberglass Shingle				☐
☐ 2. Concrete/Clay Tile				☐
☐ 3. Metal				☐
☐ 4. Built Up				☐
☑ 5. Membrane		19-0617.04	2019	☐
☑ 6. Other Rolled Bitinum		24-0709.01	2019	☐

   - ☑ A. All roof coverings listed above meet the FBC with a FBC or Miami-Dade Product Approval listing current at time of installation OR have a roofing permit application date on or after 3/1/02 OR the roof is original and built in 2004 or later.
   - ☐ B. All roof coverings have a Miami-Dade Product Approval listing current at time of installation OR (for the HVHZ only) a roofing permit application after 9/1/1994 and before 3/1/2002 OR the roof is original and built in 1997 or later.
   - ☐ C. One or more roof coverings do not meet the requirements of Answer "A" or "B".
   - ☐ D. No roof coverings meet the requirements of Answer "A" or "B".
3. **Roof Deck Attachment**: What is the **weakest** form of roof deck attachment?
   - ☐ A. Plywood/Oriented strand board (OSB) roof sheathing attached to the roof truss/rafter (spaced a maximum of 24" inches o.c.) by staples or 6d nails spaced at 6" along the edge and 12" in the field. -OR- Batten decking supporting wood shakes or wood shingles. -OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that has an equivalent mean uplift less than that required for Options B or C below.
   - ☐ B. Plywood/OSB roof sheathing with a minimum thickness of 7/16"inch attached to the roof truss/rafter (spaced a maximum of 24"inches o.c.) by 8d common nails spaced a maximum of 12" inches in the field.-OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that is shown to have an equivalent or greater resistance 8d nails spaced a maximum of 12 inches in the field or has a mean uplift resistance of at least 103 psf.
   - ☐ C. Plywood/OSB roof sheathing with a minimum thickness of 7/16"inch attached to the roof truss/rafter (spaced a maximum of 24"inches o.c.) by 8d common nails spaced a maximum of 6" inches in the field. -OR- Dimensional lumber/Tongue & Groove decking with a minimum of 2 nails per board (or 1 nail per board if each board is equal to or less than 6 inches in width). -OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that is shown to have an equivalent

or greater resistance than 8d common nails spaced a maximum of 6 inches in the field or has a mean uplift resistance of at least 182 psf.

- [x] D. Reinforced Concrete Roof Deck.
- [ ] E. Other: _____
- [ ] F. Unknown or unidentified.
- [ ] G. No attic access.

4. **Roof to Wall Attachment:** What is the **WEAKEST** roof to wall connection? (Do not include attachment of hip/valley jacks within 5 feet of the inside or outside corner of the roof in determination of WEAKEST type)

- [ ] A. Toe Nails
  - [ ] Truss/rafter anchored to top plate of wall using nails driven at an angle through the truss/rafter and attached to the top plate of the wall, or
  - [ ] Metal connectors that do not meet the minimal conditions or requirements of B, C, or D

Minimal conditions to qualify for categories B, C, or D. All visible metal connectors are:

- [ ] Secured to truss/rafter with a minimum of three (3) nails, **and**
- [ ] Attached to the wall top plate of the wall framing, or embedded in the bond beam, with less than a ½" gap from the blocking or truss/rafter **and** blocked no more than 1.5" of the truss/rafter, **and** free of visible severe corrosion.

- [ ] B. Clips
  - [ ] Metal connectors that do not wrap over the top of the truss/rafter, **or**
  - [ ] Metal connectors with a minimum of 1 strap that wraps over the top of the truss/rafter and does not meet the nail position requirements of C or D, but is secured with a minimum of 3 nails.
- [ ] C. Single Wraps
  Metal connectors consisting of a single strap that wraps over the top of the truss/rafter and is secured with a minimum of 2 nails on the front side and a minimum of 1 nail on the opposing side.
- [ ] D. Double Wraps
  - [ ] Metal Connectors consisting of 2 separate straps that are attached to the wall frame, or embedded in the bond beam, on either side of the truss/rafter where each strap wraps over the top of the truss/rafter and is secured with a minimum of 2 nails on the front side, and a minimum of 1 nail on the opposing side, **or**
  - [ ] Metal connectors consisting of a single strap that wraps over the top of the truss/rafter, is secured to the wall on both sides, and is secured to the top plate with a minimum of three nails on each side.
- [ ] E. Structural Anchor bolts structurally connected or reinforced concrete roof.
- [x] F. Other: Poured Concrete
- [ ] G. Unknown or unidentified
- [x] H. No attic access

5. **Roof Geometry:** What is the roof shape? (Do not consider roofs of porches or carports that are attached only to the fascia or wall of the host structure over unenclosed space in the determination of roof perimeter or roof area for roof geometry classification).

- [x] A. Hip Roof — Hip roof with no other roof shapes greater than 10% of the total roof system perimeter.
  Total length of non-hip features: 0 feet; Total roof system perimeter: _____ feet
- [ ] B. Flat Roof — Roof on a building with 5 or more units where at least 90% of the main roof area has a roof slope of less than 2:12. Roof area with slope less than 2:12 _____ sq ft; Total roof area _____ sq ft
- [ ] C. Other Roof — Any roof that does not qualify as either (A) or (B) above.

6. **Secondary Water Resistance (SWR):** (standard underlayments or hot-mopped felts do not qualify as an SWR)

- [ ] A. SWR (also called Sealed Roof Deck) Self-adhering polymer modified-bitumen roofing underlayment applied directly to the sheathing or foam adhesive SWR barrier (not foamed-on insulation) applied as a supplemental means to protect the dwelling from water intrusion in the event of roof covering loss.
- [x] B. No SWR.
- [ ] C. Unknown or undetermined.

Inspectors Initials RMB **Property Address** Building 7, Ocean Palm Villas 3 Flagler Beach

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7. **Opening Protection:** What is the **weakest** form of wind borne debris protection installed on the structure? **First**, use the table to determine the weakest form of protection for each category of opening. **Second**, (a) check one answer below (A, B, C, N, or X) based upon the lowest protection level for ALL Glazed openings **and** (b) check the protection level for all Non-Glazed openings (.1, .2, or .3) as applicable.

Opening Protection Level Chart Place an "X" in each row to identify all forms of protection in use for each opening type. Check only one answer below (A thru X), based on the weakes form of protection (lowest row) for any of the Glazed openings and indicat the weakest form of protection (lowest row) for Non-Glazed openings.		Glazed Openings				Non-Glazed Openings	
		Windows or Entry Doors	Garage Doors	Skylights	Glass Block	Entry Doors	Garage Doors
N/A	Not Applicable- there are no openings of this type on the structure		X		X		
A	Verified cyclic pressure & large missile (9-lb for windows doors/4.5 lb for skylights)						
B	Verified cyclic pressure & large missile (4-8 lb for windows doors/2 lb for skylights)					X	X
C	Verified plywood/OSB meeting Table 1609.1.2 of the FBC 2007						
D	Verified Non-Glazed Entry or Garage doors indicating compliance with ASTM E 330, ANSI/DASMA 108, or PA/TAS 202 for wind pressure resistance						
N	Opening Protection products that appear to be A or B but are not verified						
	Other protective coverings that cannot be identified as A, B, or C						
X	No Windborne Debris Protection	X		X			

☐ **A. Exterior Openings Cyclic Pressure and 9-lb Large Missile (4.5 lb for skylights only)** All Glazed openings are protected at a minimum, with impact resistant coverings or products listed as wind borne debris protection devices in the product approval system of the State of Florida or Miami-Dade County and meet the requirements of one of the following for "Cyclic Pressure and Large Missile Impact" (Level A in the table above).

Miami-Dade County PA 201, 202, **and** 203

Florida Building Code Testing Application Standard (TAS) 201, 202, **and** 203

American Society for Testing and Materials (ASTM) E 1886 **and** ASTM E 1996

Southern Standards Technical Document (SSTD) 12

For Skylights Only: ASTM E 1886 **and** ASTM E 1996

For Garage Doors Only: ANSI/DASMA 115

☐ A.1 All Non-Glazed openings classified as A in the table above, or no Non-Glazed openings exist

☐ A.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level B, C, N, or X in the table above

☐ A.3 One or More Non-Glazed Openings is classified as Level B, C, N, or X in the table above

☐ **B. Exterior Opening Protection- Cyclic Pressure and 4 to 8-lb Large Missile (2-4.5 lb for skylights only)** All Glazed openings are protected, at a minimum, with impact resistant coverings or products listed as windborne debris protection devices in the product approval system of the State of Florida or Miami-Dade County and meet the requirements of one of the following for "Cyclic Pressure and Large Missile Impact" (Level B in the table above):

ASTM E 1886 **and** ASTM E 1996 (Large Missile – 4.5 lb.)

SSTD 12 (Large Missile – 4 lb. to 8 lb.)

For Skylights Only: ASTM E 1886 **and** ASTM E 1996 (Large Missile - 2 to 4.5 lb.)

☐ B.1 All Non-Glazed openings classified as A or B in the table above, or no Non-Glazed openings exist

☐ B.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level C, N, or X in the table above

☐ B.3 One or More Non-Glazed openings is classified as Level C, N, or X in the table above

☐ **C. Exterior Opening Protection- Wood Structural Panels meeting FBC 2007** All Glazed openings are covered with plywood/OSB meeting the requirements of Table 1609.1.2 of the FBC 2007 (Level C in the table above).

☐ C.1 All Non-Glazed openings classified as A, B, or C in the table above, or no Non-Glazed openings exist

☐ C.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level N or X in the table above

☐ C.3 One or More Non-Glazed openings is classified as Level N or X in the table above

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MITIGATION INSPECTIONS MUST BE CERTIFIED BY A QUALIFIED INSPECTOR.
Section 627.711(2), Florida Statutes, provides a listing of individuals who may sign this form.

Qualified Inspector Name:	License Type:	License or Certificate #:
RHETT M BRADLEY	Home Inspector	HI12066

Inspection Company:	Email:	Phone:
Bradders Property Inspection Services, LLC	BraddersPIS@gmail.com	386-243-2263

Qualified Inspector – I hold an active license as a : (check one)

☑ Home inspector licensed under Section 468.8314, Florida Statutes who has completed the statutory number of hours of hurricane mitigation training approved by the Construction Industry Licensing Board and completion of a proficiency exam.

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I, RHETT M BRADLEY **(print name) am a qualified inspector and I personally performed the inspection or (** ***licensed contractors and professional engineers only*** **) I had my employee (_____) (print name of inspector) perform the inspection and I agree to be responsible for his/her work.**

Qualified Inspector Signature: [signature] **Date:** Sep 10, 2024

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Homeowner to complete: I certify that the named Qualified Inspector or his or her employee did perform an inspection of the residence identified on this form and that proof of identification was provided to me or my Authorized Representative.

Signature: _____ **Date:** Sep 10, 2024

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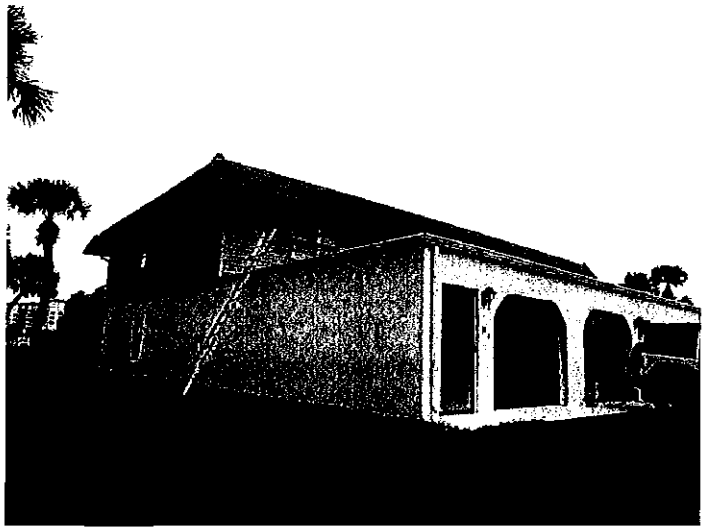

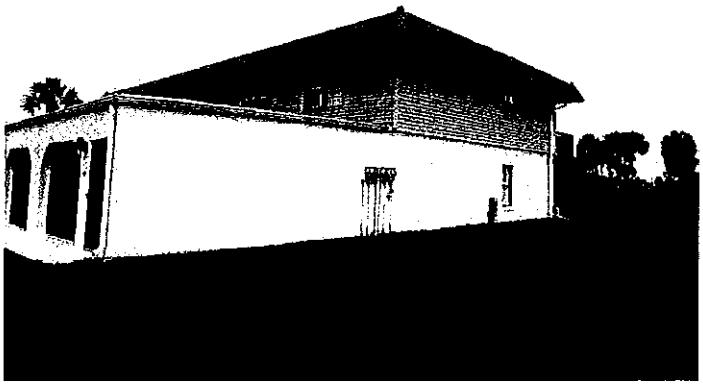

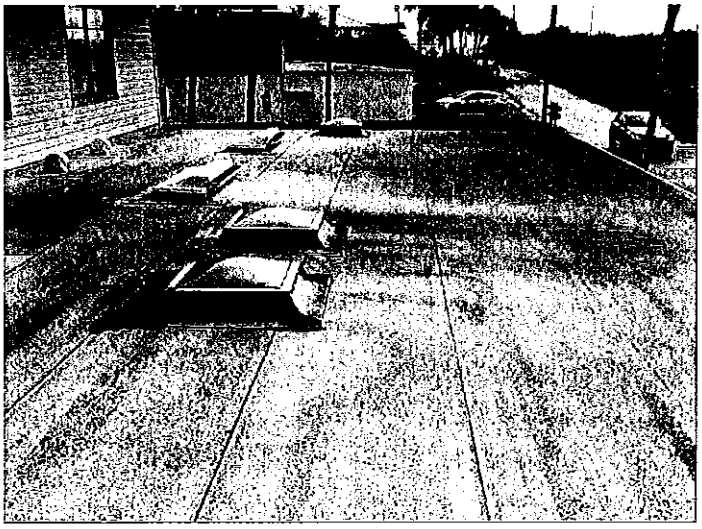

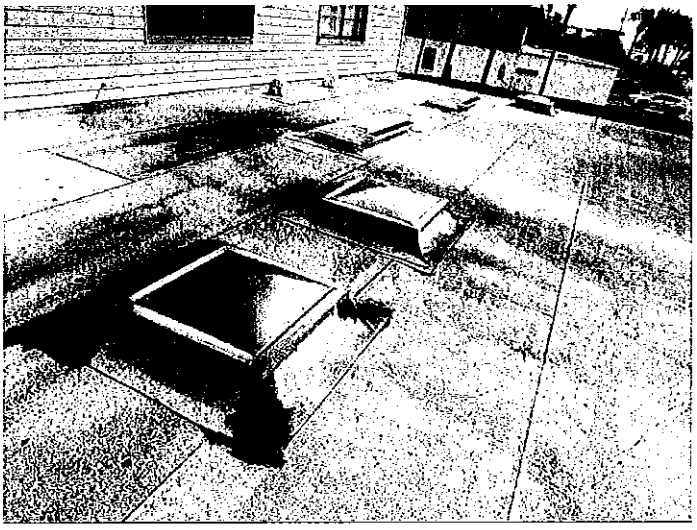

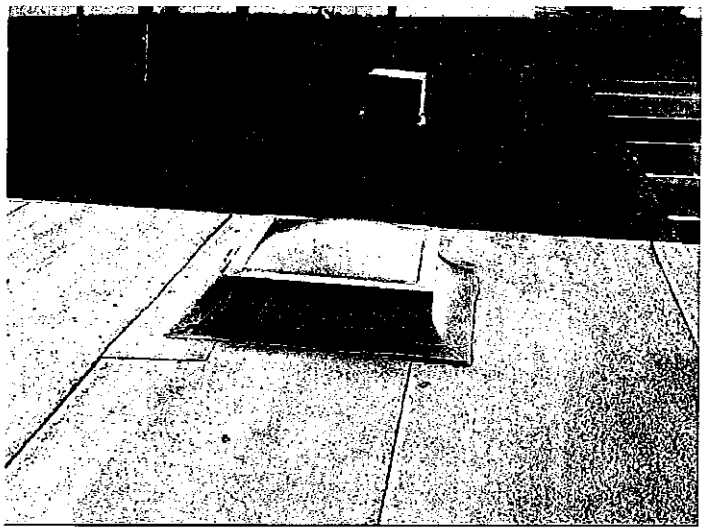

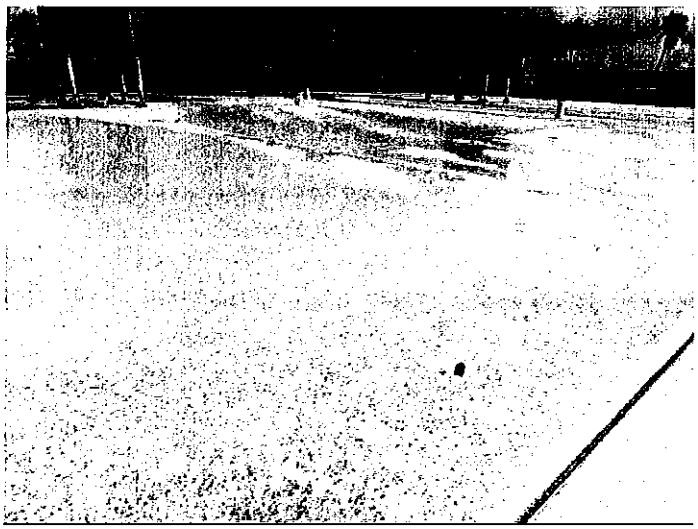

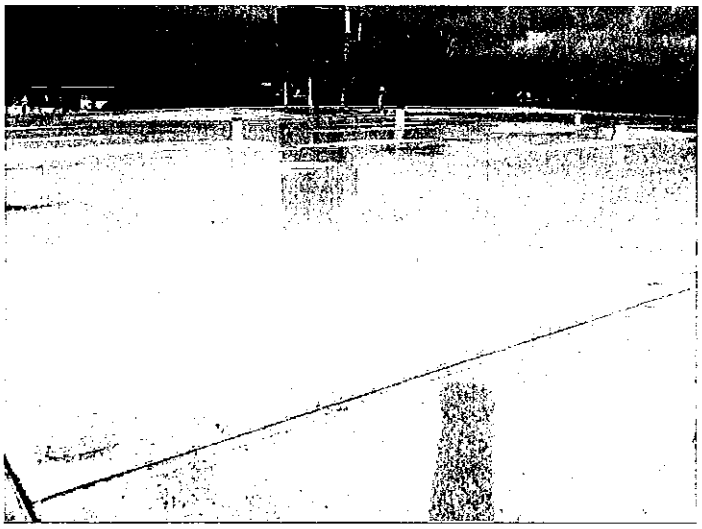

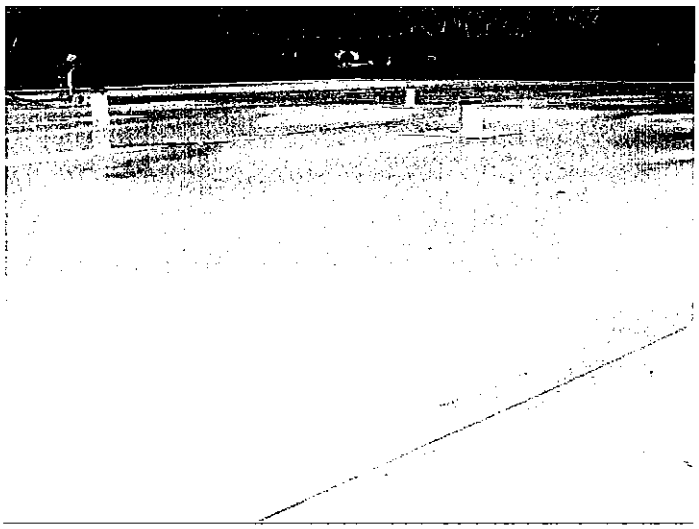

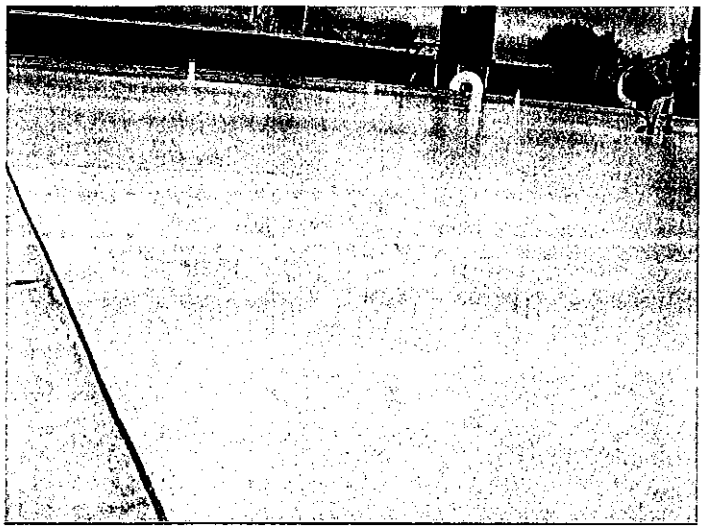

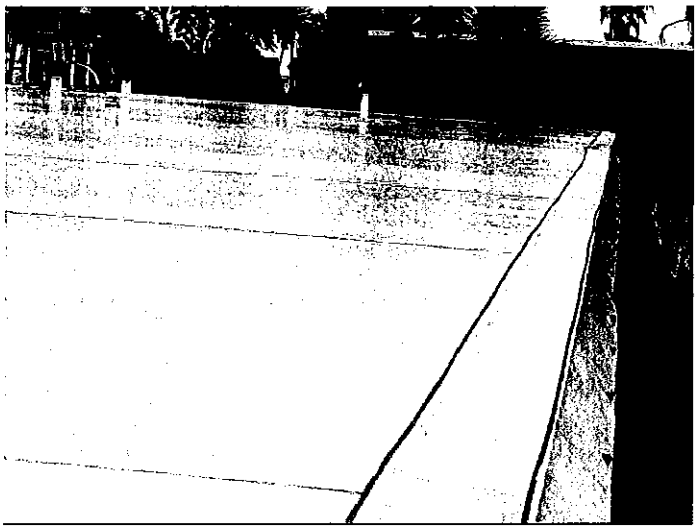


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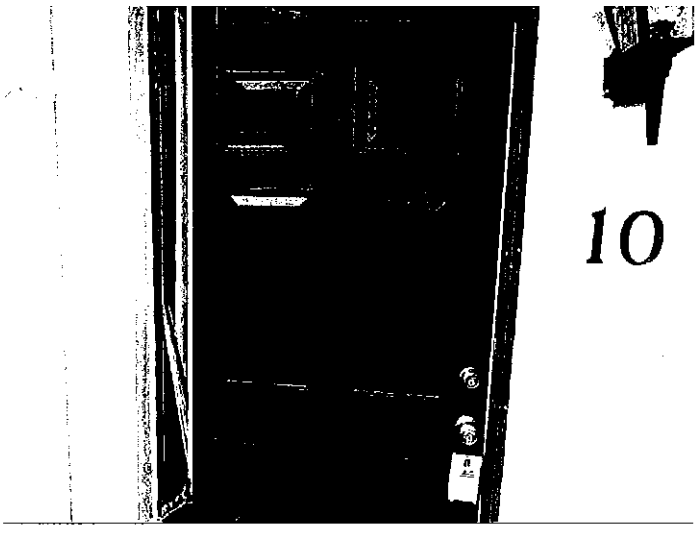
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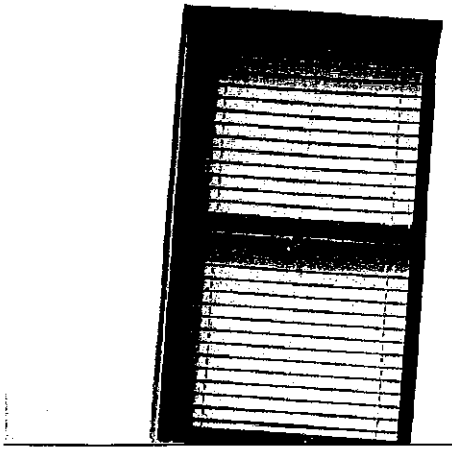

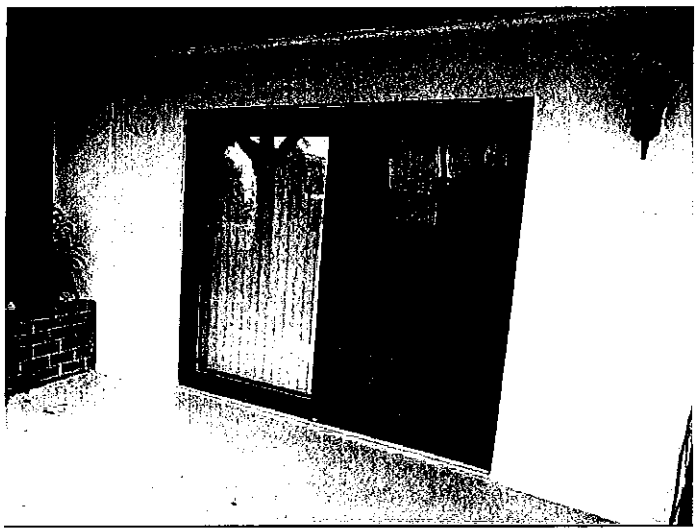

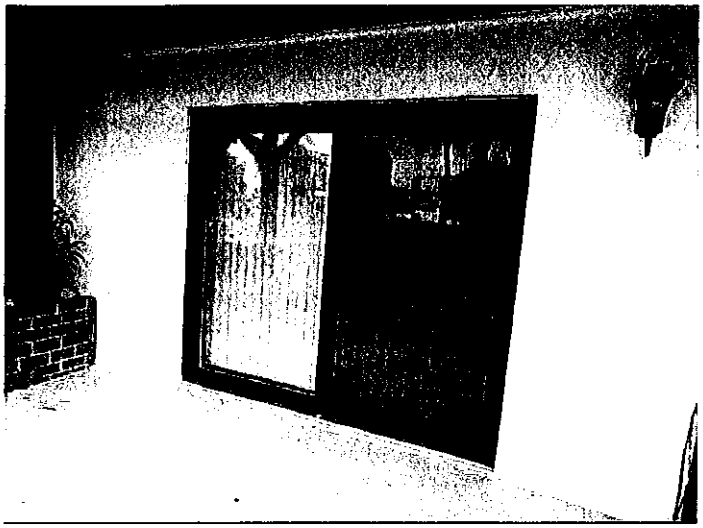

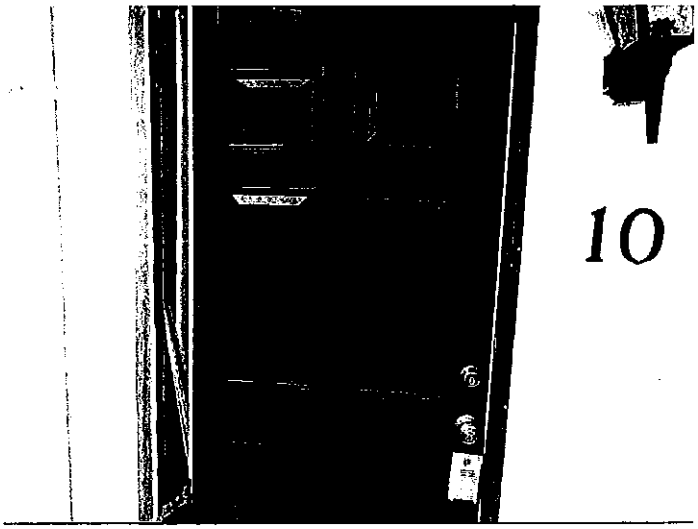

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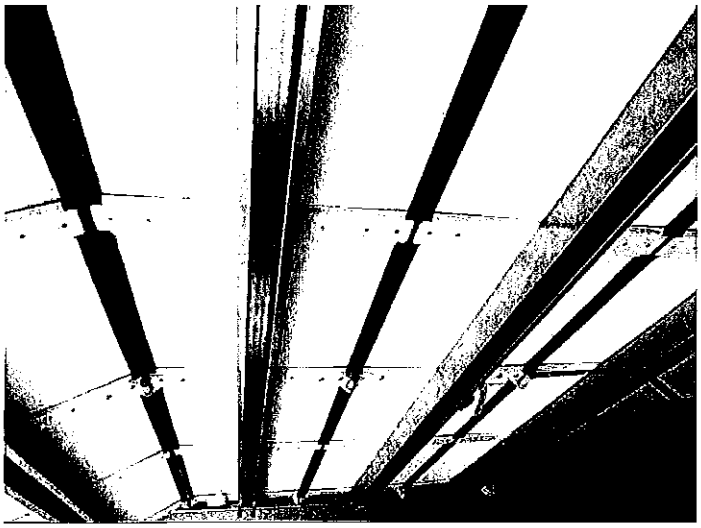

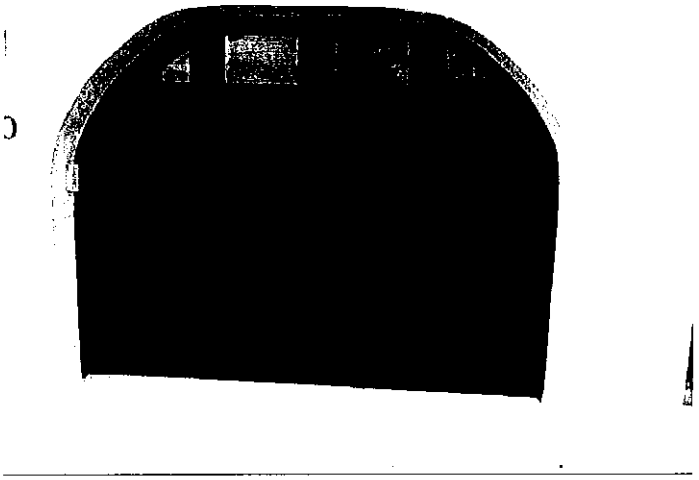

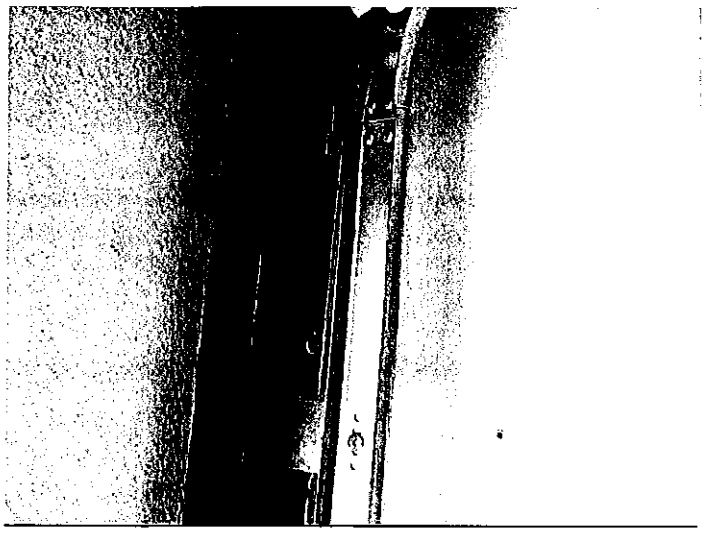

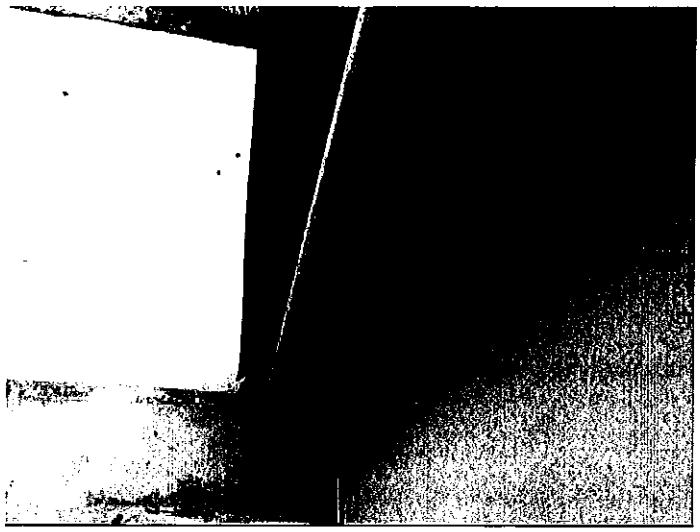

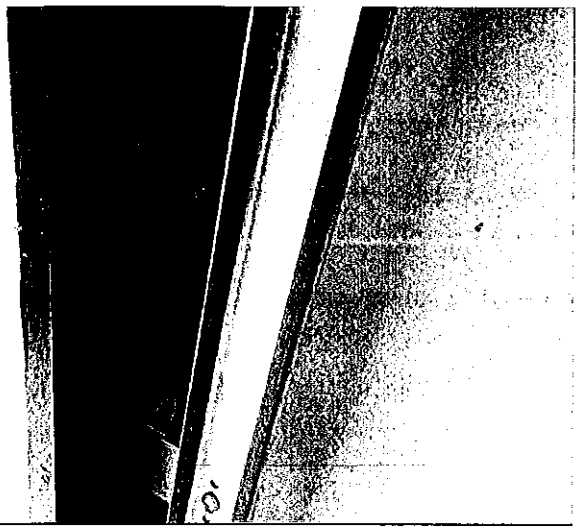

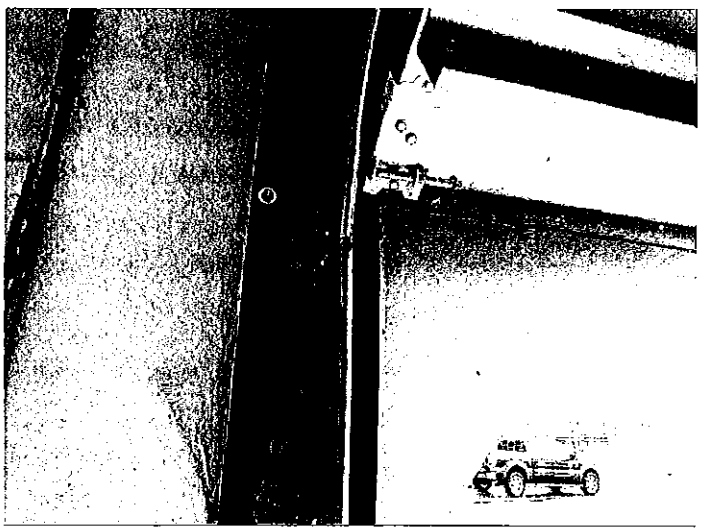

Uniform Mitigation Verification Inspection Form

Maintain a copy of this form and any documentation provided with the insurance policy

Inspection Date: Sep 10, 2024		
Owner Information		
Owner Name: Ocean Palm Villas North HOA		Contact Person: Dana
Address: Building 8, Ocean Palm Villas 3		Home Phone:
City: Flagler Beach	Zip: 32136	Work Phone: 321-352-6278
County: Flagler		Cell Phone:
Insurance Company:		Policy #:
Year of Home: 1979	# of Stories: 2	Email: team@flcoastmgt.com

NOTE: Any documentation used in validating the compliance or existence of each construction or mitigation attribute must accompany this form. At least one photograph must accompany this form to validate each attribute marked in questions 3 though 7. The insurer may ask additional questions regarding the mitigated feature(s) verified on this form.

1. **Building Code**: Was the structure built in compliance with the Florida Building Code (FBC 2001 or later) OR for homes located in the HVHZ (Miami-Dade or Broward counties), South Florida Building Code (SFBC-94)?
   - ☐ A. Built in compliance with the FBC: Year Built 1979. For homes built in 2002/2003 provide a permit application with a date after 3/1/2002: Building Permit Application Date (MM/DD/YYYY)
   - ☐ B. For the HVHZ Only: Built in compliance with the SFBC-94: Year Built _____. For homes built in 1994, 1995, and 1996 provide a permit application with a date after 9/1/1994: Building Permit Application Date (MM/DD/YYYY)
   - ☑ C. Unknown or does not meet the requirements of Answer "A" or "B"
2. **Roof Covering:** Select all roof covering types in use. Provide the permit application date OR FBC/MDC Product Approval number OR Year of Original Installation/Replacement OR indicate that no information was available to verify compliance for each roof covering identified.

2.1 Roof Covering Type:	Permit Application Date	FBC or MDC Product Approval #	Year of Original Installation or Replacement	No Information Provided for Compliance
☐ 1. Asphalt/Fiberglass Shingle				☐
☐ 2. Concrete/Clay Tile				☐
☐ 3. Metal				☐
☐ 4. Built Up				☐
☑ 5. Membrane		19-0617.04	2019	☐
☑ 6. Other Rolled Bitinum		24-0709.01	2019	☐

   - ☑ A. All roof coverings listed above meet the FBC with a FBC or Miami-Dade Product Approval listing current at time of installation OR have a roofing permit application date on or after 3/1/02 OR the roof is original and built in 2004 or later.
   - ☐ B. All roof coverings have a Miami-Dade Product Approval listing current at time of installation OR (for the HVHZ only) a roofing permit application after 9/1/1994 and before 3/1/2002 OR the roof is original and built in 1997 or later.
   - ☐ C. One or more roof coverings do not meet the requirements of Answer "A" or "B".
   - ☐ D. No roof coverings meet the requirements of Answer "A" or "B".
3. **Roof Deck Attachment**: What is the **weakest** form of roof deck attachment?
   - ☐ A. Plywood/Oriented strand board (OSB) roof sheathing attached to the roof truss/rafter (spaced a maximum of 24" inches o.c.) by staples or 6d nails spaced at 6" along the edge and 12" in the field. -OR- Batten decking supporting wood shakes or wood shingles. -OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that has an equivalent mean uplift less than that required for Options B or C below.
   - ☐ B. Plywood/OSB roof sheathing with a minimum thickness of 7/16"inch attached to the roof truss/rafter (spaced a maximum of 24"inches o.c.) by 8d common nails spaced a maximum of 12" inches in the field.-OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that is shown to have an equivalent or greater resistance 8d nails spaced a maximum of 12 inches in the field or has a mean uplift resistance of at least 103 psf.
   - ☐ C. Plywood/OSB roof sheathing with a minimum thickness of 7/16"inch attached to the roof truss/rafter (spaced a maximum of 24"inches o.c.) by 8d common nails spaced a maximum of 6" inches in the field. -OR- Dimensional lumber/Tongue & Groove decking with a minimum of 2 nails per board (or 1 nail per board if each board is equal to or less than 6 inches in width). -OR- Any system of screws, nails, adhesives, other deck fastening system or truss/rafter spacing that is shown to have an equivalent

or greater resistance than 8d common nails spaced a maximum of 6 inches in the field or has a mean uplift resistance of at least 182 psf.

- [x] D. Reinforced Concrete Roof Deck.
- [ ] E. Other: _____
- [ ] F. Unknown or unidentified.
- [ ] G. No attic access.

4. **Roof to Wall Attachment:** What is the **WEAKEST** roof to wall connection? (Do not include attachment of hip/valley jacks within 5 feet of the inside or outside corner of the roof in determination of WEAKEST type)

- [ ] A. Toe Nails
  - [ ] Truss/rafter anchored to top plate of wall using nails driven at an angle through the truss/rafter and attached to the top plate of the wall, or
  - [ ] Metal connectors that do not meet the minimal conditions or requirements of B, C, or D

Minimal conditions to qualify for categories B, C, or D. All visible metal connectors are:

  - [ ] Secured to truss/rafter with a minimum of three (3) nails, **and**
  - [ ] Attached to the wall top plate of the wall framing, or embedded in the bond beam, with less than a ½" gap from the blocking or truss/rafter **and** blocked no more than 1.5" of the truss/rafter, **and** free of visible severe corrosion.

- [ ] B. Clips
  - [ ] Metal connectors that do not wrap over the top of the truss/rafter, **or**
  - [ ] Metal connectors with a minimum of 1 strap that wraps over the top of the truss/rafter and does not meet the nail position requirements of C or D, but is secured with a minimum of 3 nails.
- [ ] C. Single Wraps
  Metal connectors consisting of a single strap that wraps over the top of the truss/rafter and is secured with a minimum of 2 nails on the front side and a minimum of 1 nail on the opposing side.
- [ ] D. Double Wraps
  - [ ] Metal Connectors consisting of 2 separate straps that are attached to the wall frame, or embedded in the bond beam, on either side of the truss/rafter where each strap wraps over the top of the truss/rafter and is secured with a minimum of 2 nails on the front side, and a minimum of 1 nail on the opposing side, **or**
  - [ ] Metal connectors consisting of a single strap that wraps over the top of the truss/rafter, is secured to the wall on both sides, and is secured to the top plate with a minimum of three nails on each side.
- [ ] E. Structural Anchor bolts structurally connected or reinforced concrete roof.
- [x] F. Other: Poured Concrete
- [ ] G. Unknown or unidentified
- [x] H. No attic access

5. **Roof Geometry:** What is the roof shape? (Do not consider roofs of porches or carports that are attached only to the fascia or wall of the host structure over unenclosed space in the determination of roof perimeter or roof area for roof geometry classification).

- [x] A. Hip Roof — Hip roof with no other roof shapes greater than 10% of the total roof system perimeter.
  Total length of non-hip features: 0 feet; Total roof system perimeter: _____ feet
- [ ] B. Flat Roof — Roof on a building with 5 or more units where at least 90% of the main roof area has a roof slope of less than 2:12. Roof area with slope less than 2:12 _____ sq ft; Total roof area _____ sq ft
- [ ] C. Other Roof — Any roof that does not qualify as either (A) or (B) above.

6. **Secondary Water Resistance (SWR):** (standard underlayments or hot-mopped felts do not qualify as an SWR)

- [ ] A. SWR (also called Sealed Roof Deck) Self-adhering polymer modified-bitumen roofing underlayment applied directly to the sheathing or foam adhesive SWR barrier (not foamed-on insulation) applied as a supplemental means to protect the dwelling from water intrusion in the event of roof covering loss.
- [x] B. No SWR.
- [ ] C. Unknown or undetermined.

Inspectors Initials RMB **Property Address** Building 8, Ocean Palm Villas 3 Flagler Beach

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7. **Opening Protection:** What is the **weakest** form of wind borne debris protection installed on the structure? **First**, use the table to determine the weakest form of protection for each category of opening. **Second**, (a) check one answer below (A, B, C, N, or X) based upon the lowest protection level for ALL Glazed openings **and** (b) check the protection level for all Non-Glazed openings (.1, .2, or .3) as applicable.

Opening Protection Level Chart Place an "X" in each row to identify all forms of protection in use for each opening type. Check only one answer below (A thru X), based on the weakes form of protection (lowest row) for any of the Glazed openings and indicat the weakest form of protection (lowest row) for Non-Glazed openings.		Glazed Openings				Non-Glazed Openings	
		Windows or Entry Doors	Garage Doors	Skylights	Glass Block	Entry Doors	Garage Doors
N/A	Not Applicable- there are no openings of this type on the structure		X		X		
A	Verified cyclic pressure & large missile (9-lb for windows doors/4.5 lb for skylights)						
B	Verified cyclic pressure & large missile (4-8 lb for windows doors/2 lb for skylights)					X	X
C	Verified plywood/OSB meeting Table 1609.1.2 of the FBC 2007						
D	Verified Non-Glazed Entry or Garage doors indicating compliance with ASTM E 330, ANSI/DASMA 108, or PA/TAS 202 for wind pressure resistance						
N	Opening Protection products that appear to be A or B but are not verified						
	Other protective coverings that cannot be identified as A, B, or C						
X	No Windborne Debris Protection	X		X			

☐ **A. Exterior Openings Cyclic Pressure and 9-lb Large Missile (4.5 lb for skylights only)** All Glazed openings are protected at a minimum, with impact resistant coverings or products listed as wind borne debris protection devices in the product approval system of the State of Florida or Miami-Dade County and meet the requirements of one of the following for "Cyclic Pressure and Large Missile Impact" (Level A in the table above).

Miami-Dade County PA 201, 202, **and** 203

Florida Building Code Testing Application Standard (TAS) 201, 202, **and** 203

American Society for Testing and Materials (ASTM) E 1886 **and** ASTM E 1996

Southern Standards Technical Document (SSTD) 12

For Skylights Only: ASTM E 1886 **and** ASTM E 1996

For Garage Doors Only: ANSI/DASMA 115

☐ A.1 All Non-Glazed openings classified as A in the table above, or no Non-Glazed openings exist

☐ A.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level B, C, N, or X in the table above

☐ A.3 One or More Non-Glazed Openings is classified as Level B, C, N, or X in the table above

☐ **B. Exterior Opening Protection- Cyclic Pressure and 4 to 8-lb Large Missile (2-4.5 lb for skylights only)** All Glazed openings are protected, at a minimum, with impact resistant coverings or products listed as windborne debris protection devices in the product approval system of the State of Florida or Miami-Dade County and meet the requirements of one of the following for "Cyclic Pressure and Large Missile Impact" (Level B in the table above):

ASTM E 1886 **and** ASTM E 1996 (Large Missile – 4.5 lb.)

SSTD 12 (Large Missile – 4 lb. to 8 lb.)

For Skylights Only: ASTM E 1886 **and** ASTM E 1996 (Large Missile - 2 to 4.5 lb.)

☐ B.1 All Non-Glazed openings classified as A or B in the table above, or no Non-Glazed openings exist

☐ B.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level C, N, or X in the table above

☐ B.3 One or More Non-Glazed openings is classified as Level C, N, or X in the table above

☐ **C. Exterior Opening Protection- Wood Structural Panels meeting FBC 2007** All Glazed openings are covered with plywood/OSB meeting the requirements of Table 1609.1.2 of the FBC 2007 (Level C in the table above).

☐ C.1 All Non-Glazed openings classified as A, B, or C in the table above, or no Non-Glazed openings exist

☐ C.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level N or X in the table above

☐ C.3 One or More Non-Glazed openings is classified as Level N or X in the table above

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☐ **N. Exterior Opening Protection (unverified shutter systems with no documentation)** All Glazed openings are protected with protective coverings not meeting the requirements of Answer "A", "B", or C" or systems that appear to meet Answer "A" or "B" with no documentation of compliance (Level N in the table above).

☐ N.1 All Non-Glazed openings classified as Level A, B, C, or N in the table above, or no Non-Glazed openings exist

☐ N.2 One or More Non-Glazed openings classified as Level D in the table above, and no Non-Glazed openings classified as Level X in the table above

☐ N.3 One or More Non-Glazed openings is classified as Level X in the table above

☑ **X. None or Some Glazed Openings** One or more Glazed openings classified and Level X in the table above.

MITIGATION INSPECTIONS MUST BE CERTIFIED BY A QUALIFIED INSPECTOR.
Section 627.711(2), Florida Statutes, provides a listing of individuals who may sign this form.

Qualified Inspector Name:	License Type:	License or Certificate #:
RHETT M BRADLEY	Home Inspector	HI12066

Inspection Company:	Email:	Phone:
Bradders Property Inspection Services, LLC	BraddersPIS@gmail.com	386-243-2263

Qualified Inspector – I hold an active license as a : (check one)

☑ Home inspector licensed under Section 468.8314, Florida Statutes who has completed the statutory number of hours of hurricane mitigation training approved by the Construction Industry Licensing Board and completion of a proficiency exam.

☐ Building code inspector certified under Section 468.607, Florida Statutes.

☐ General, building or residential contractor licensed under Section 489.111, Florida Statutes.

☐ Professional engineer licensed under Section 471.015, Florida Statutes.

☐ Professional architect licensed under Section 481.213, Florida Statutes.

☐ Any other individual or entity recognized by the insurer as possessing the necessary qualifications to properly complete a uniform mitigation verification form pursuant to Section 627.711(2), Florida Statutes.

Individuals other than licensed contractors licensed under Section 489.111, Florida Statutes, or professional engineer licensed under Section 471.015, Florida Statues, must inspect the structures personally and not through employees or other persons. Licensees under s.471.015 or s.489.111 may authorize a direct employee who possesses the requisite skill, knowledge, and experience to conduct a mitigation verification inspection.

I, RHETT M BRADLEY **am a qualified inspector and I personally performed the inspection or (** ***licensed contractors and professional engineers only*** **) I had my employee (_____) perform the inspection**
(print name) **(print name of inspector)**

and I agree to be responsible for his/her work.

Qualified Inspector Signature: [signature] **Date:** Sep 10, 2024

An individual or entity who knowingly or through gross negligence provides a false or fraudulent mitigation verification form is subject to investigation by the Florida Division of Insurance Fraud and may be subject to administrative action by the appropriate licensing agency or to criminal prosecution. (Section 627.711(4)-(7), Florida Statutes) The Qualified Inspector who certifies this form shall be directly liable for the misconduct of employees as if the authorized mitigation inspector personally performed the inspection.

Homeowner to complete: I certify that the named Qualified Inspector or his or her employee did perform an inspection of the residence identified on this form and that proof of identification was provided to me or my Authorized Representative.

Signature: _____ **Date:** Sep 10, 2024

An individual or entity who knowingly provides or utters a false or fraudulent mitigation verification form with the intent to obtain or receive a discount on an insurance premium to which the individual or entity is not entitled commits a misdemeanor of the first degree. (Section 627.711(7), Florida Statutes)

The definitions on this form are for inspection purposes only and cannot be used to certify any product or construction feature as offering protection from hurricanes.

Inspectors Initials RMB **Property Address** Building 8, Ocean Palm Villas 3 Flagler Beach

***This verification form is valid for up to five (5) years provided no material changes have been made to the structure or inaccuracies found on the form.**


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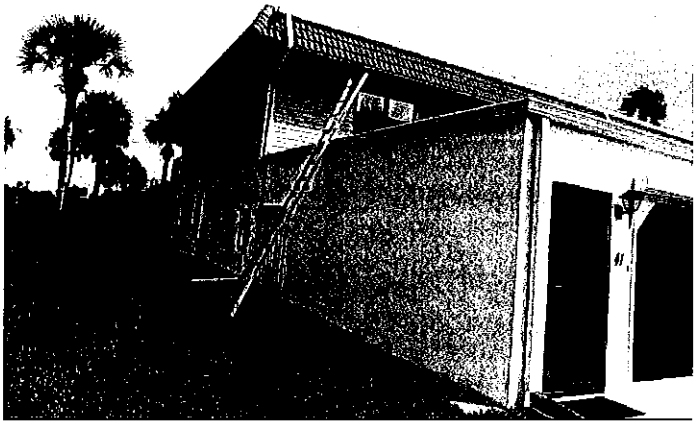


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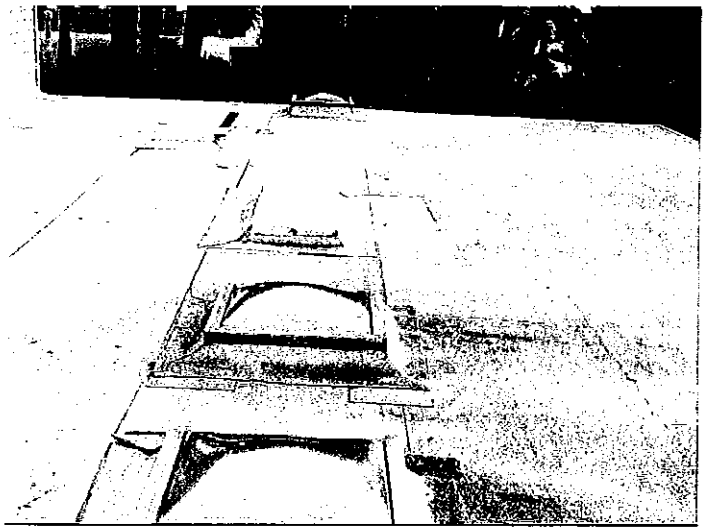

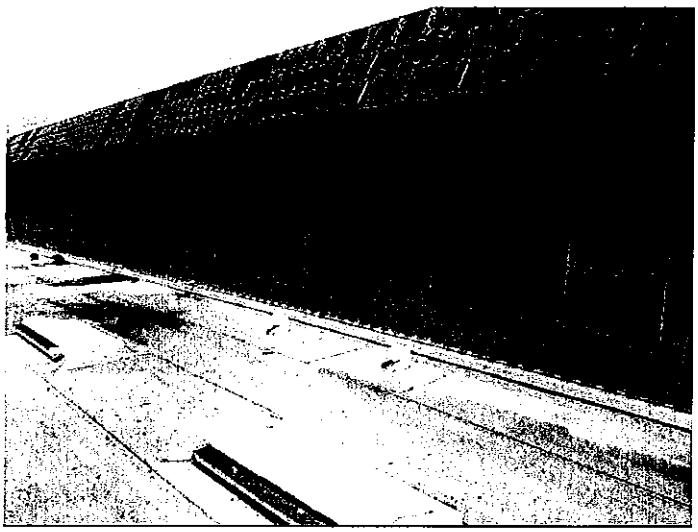


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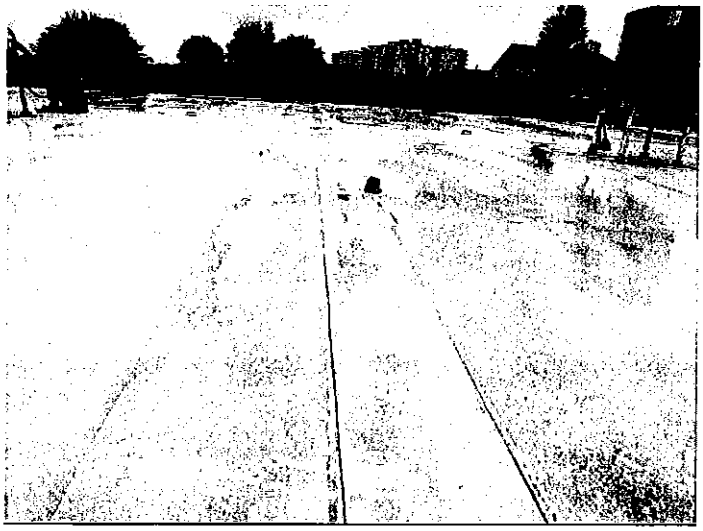

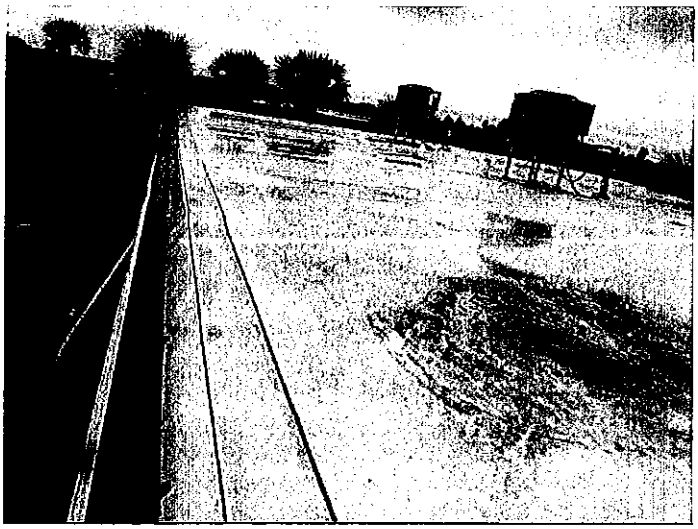

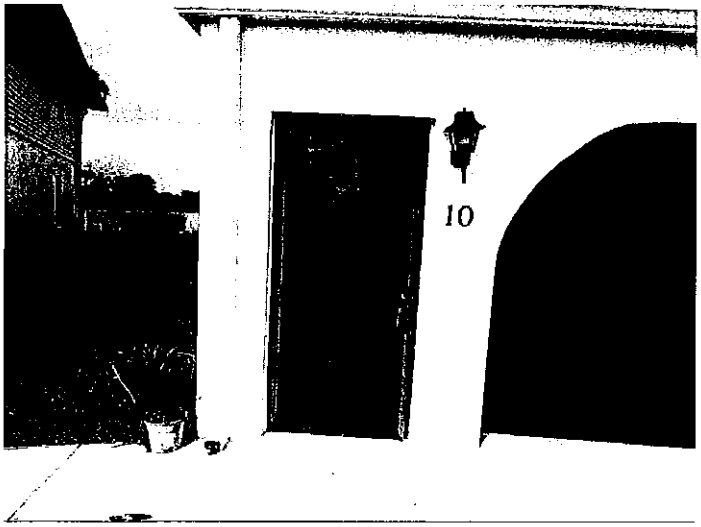
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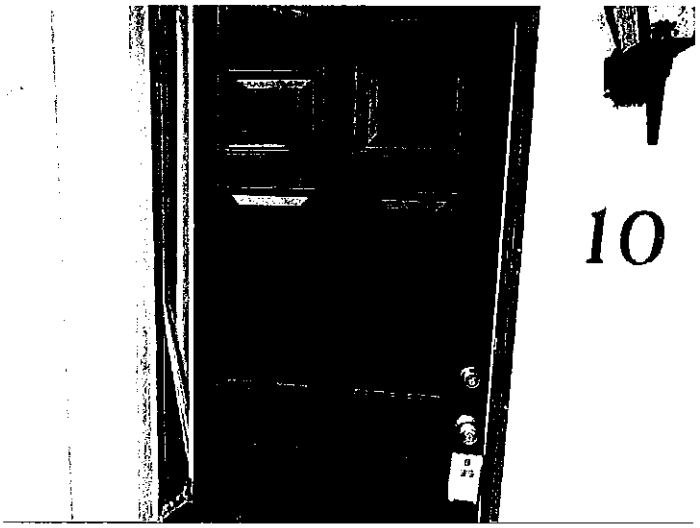
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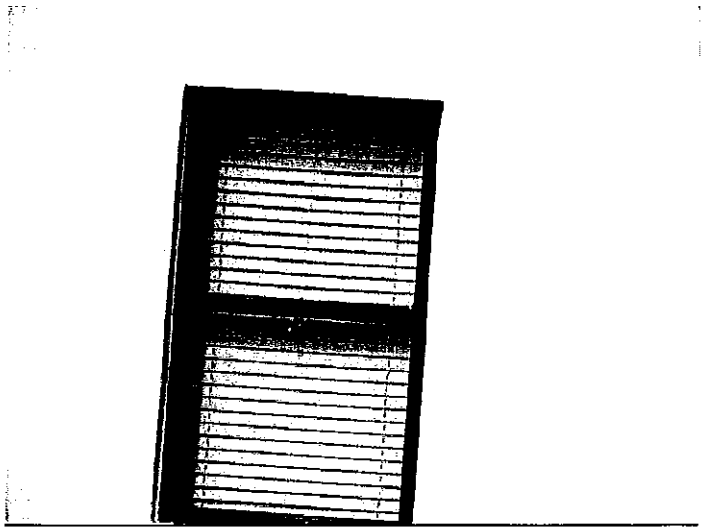
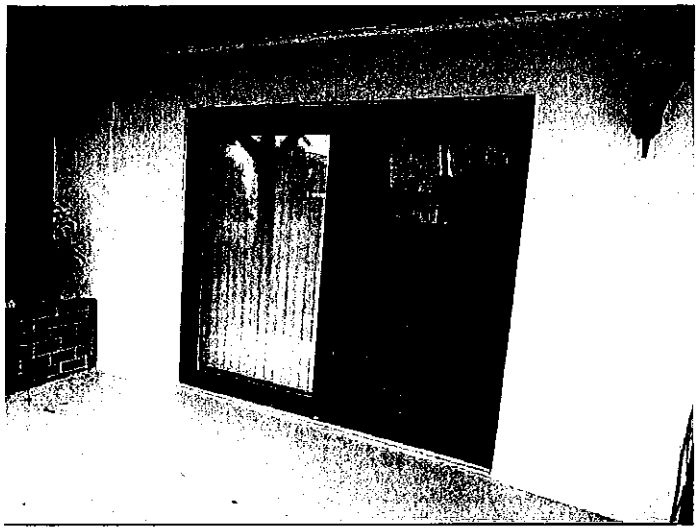
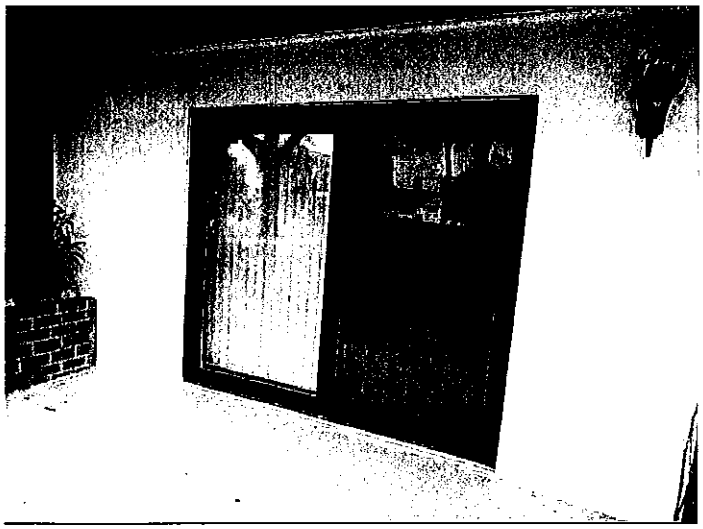
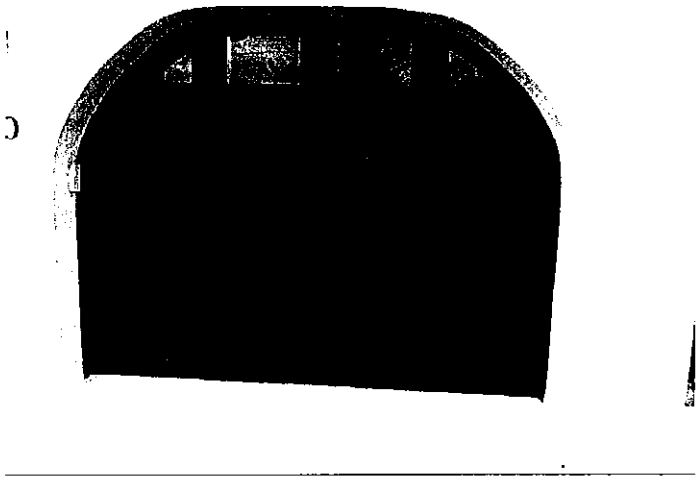
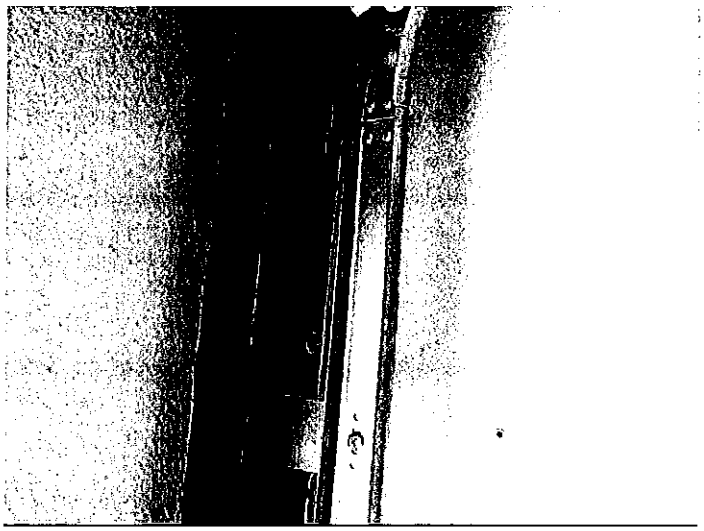
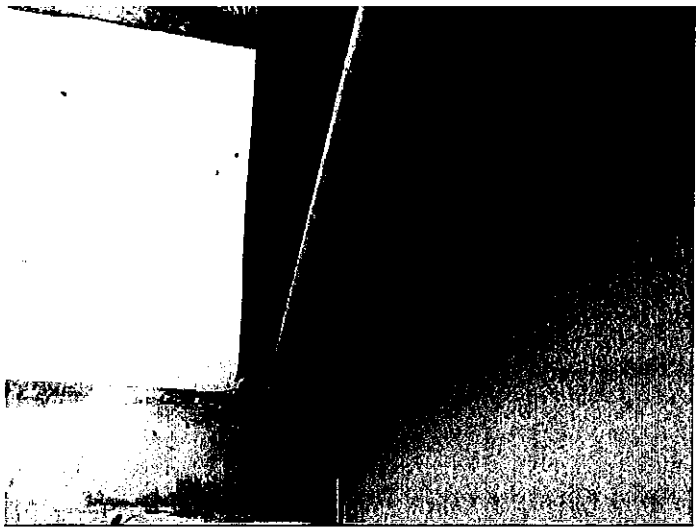


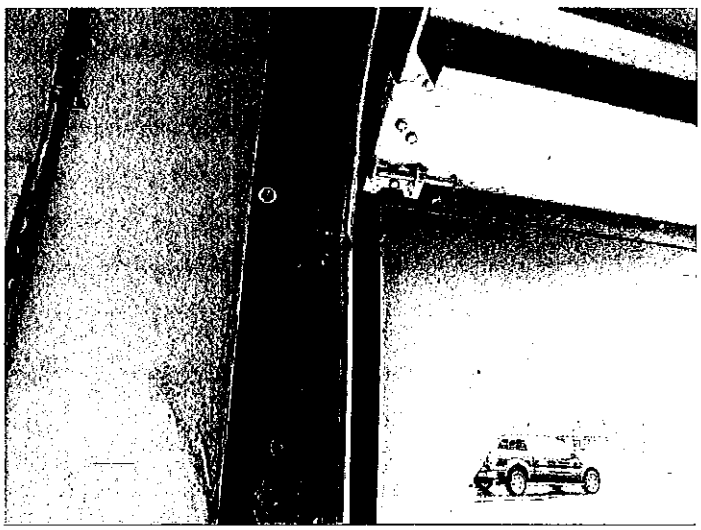












City of Flagler Beach Inspection History

Building Permit | PB193685

Property Information

30-12-32-4800-00000-0000	N OCEAN PALM VILLAS BLDG 1 (1-6)	Subdivision:	OCEAN PALM VILLA I
	FLAGLER BEACH FL, 32136	Lot:	Block:

Name Information

Owner:	OCEAN PALM VILLAS I	Phone:	
Occupant:		Phone:	
Applicant:	SEAMLESS FOAM & COATINGS LLC	Phone:	(386) 290 4843
Contractor:	SEAMLESS FOAM & COATINGS LLC	Phone:	(386) 290 4843
Licensee:	SEAMLESS FOAM & COATINGS LLC	Phone:	(386) 290 4843
License Issued:	09/16/2019		
License Expires:	09/16/2020		

Permit Information

Date Issued: 09/19/2019 Date Expires: 11/09/2020 Status: FINALED

Work Description:
RE ROOF OVER. REMOVE LOOSE ROCK. ADD GRAVEL STOP DRIP EDGE. SPRA POLYURETHANE FOAM WITH SILICONE TOP COAT

Stipulations:

Roof in Progress Inspection | Richard T. McFadden

Status:	Completed	Result:	Approved
Scheduled:	10/24/2019 12:00 AM	Completed:	10/25/2019 02:02 PM

Comments:

Scheduling Comment REQUESTING MORNING IF POSSIBLE

Roof Final Inspection | Richard T. McFadden

Status:	Completed	Result:	Approved
Scheduled:	10/24/2019 12:00 AM	Completed:	05/13/2020 01:42 PM

Fee Information

Building Permit Fee	Building Plan Review 1	162.00	16.20
Miscellaneous	Education	0.00	5.40
Miscellaneous	Intake Fee	1.00	20.00
Building Permit Fee	Roofing	0.00	162.00
Miscellaneous	Technology	0.00	5.40
Florida State Tax	FS 468.631	1.00	2.73
Florida State Tax	FS 553.721	1.00	2.00
Building Permit Fee	EXPIRED PERMIT CLOSE OUT FEE	1.00	40.00

City of Flagler Beach Inspection History

Building Permit | PB193686

Property Information

30-12-32-4800-00000-0000	N OCEAN PALM VILLAS BLDG 2 (7-10)	Subdivision:	OCEAN PALM VILLA I
	Flagler Beach FL, 32136	Lot:	Block:

Name Information

Owner:	OCEAN PALM VILLAS I	Phone:	
Occupant:		Phone:	
Applicant:	SEAMLESS FOAM & COATINGS LLC	Phone:	(386) 290 4843
Contractor:	SEAMLESS FOAM & COATINGS LLC	Phone:	(386) 290 4843
Licensee:	SEAMLESS FOAM & COATINGS LLC	Phone:	(386) 290 4843
License Issued:	09/16/2019		
License Expires:	09/16/2020		

Permit Information

Date Issued: 09/19/2019 Date Expires: 11/09/2020 Status: FINALED

Work Description:

ROOF RE COVER REMOVE LOOSE ROCK ADD GRAVEL STOP DRIP DGE SPRAY POLYURETHANE FOAM WITH SILICONE TOP COAT

Stipulations:

Roof Final Inspection | Richard T. McFadden

Status:	Completed	Result:	Approved
Scheduled:	10/24/2019 12:00 AM	Completed:	10/24/2019 01:43 PM

Roof in Progress Inspection | Richard T. McFadden

Status:	Completed	Result:	Approved
Scheduled:	10/17/2019 12:00 AM	Completed:	10/21/2019 01:50 PM

Fee Information

Building Permit Fee	Building Plan Review 1	162.00	16.20
Miscellaneous	Education	0.00	5.40
Miscellaneous	Intake Fee	1.00	20.00
Building Permit Fee	Roofing	0.00	162.00
Miscellaneous	Technology	0.00	5.40
Florida State Tax	FS 468.631	1.00	2.73
Florida State Tax	FS 553.721	1.00	2.00
Building Permit Fee	EXPIRED PERMIT CLOSE OUT FEE	1.00	40.00

City of Flagler Beach Inspection History

Building Permit | PB150758

Property Information

30-12-32-4800-00000-0000	N OCEAN PALM VILLAS BLDG 3 (11-18)	Subdivision:	OCEAN PALM VILLA I
	FLAGLER BEACH FL, 32136	Lot:	Block:

Name Information

Owner:	OCEAN PALM VILLAS I	Phone:	
Occupant:		Phone:	
Applicant:	FOUR SEASONS ROOFING	Phone:	(386) 366 3979
Contractor:	FOUR SEASONS ROOFING	Phone:	(386) 366 3979
Licensee:	FOUR SEASONS ROOFING	Phone:	(386) 366 3979
License Issued:	11/30/2021		
License Expires:	08/31/2022		

Permit Information

Date Issued: 08/11/2015 Date Expires: 03/06/2016 Status: FINALED

Work Description:
INSTALLATION OF TAPERED INSULATION OVER EXISTING TAR & GRAVEL ROOF SYSTEM & MECHANICALLY FASTENED TPO SINGLE-PLY ROOF SYSTEM

Stipulations:

Roof Final Inspection | Richard T. McFadden

Status:	Completed	Result:	Approved
Scheduled:	09/08/2015 12:00 AM	Completed:	09/08/2015 03:27 PM

Comments:

Scheduling Comment CALL MARIO ABOUT AN HOUR BEFORE YOU ARRIVE 386-366-3979

Roof in Progress Inspection | Richard T. McFadden

Status:	Completed	Result:	Approved
Scheduled:	08/12/2015 12:00 AM	Completed:	08/12/2015 02:45 PM

Fee Information

Miscellaneous	Building Plan Review 1	177.00	17.70
Miscellaneous	Education	0.00	11.80
Miscellaneous	Intake Fee	1.00	20.00
Building	Roofing	0.00	177.00
Florida State Tax	FS 468.631	1.00	2.96
Florida State Tax	FS 553.721	1.00	2.96

City of Flagler Beach Inspection History

Building Permit | PB193687

Property Information

30-12-32-4800-00000-0000	N OCEAN PALM VILLAS BLDG 4 (19-24)	Subdivision:	
	Flagler Beach FL, 32136	Lot:	Block:

Name Information

Owner:	OCEAN PALM VILLAS I	Phone:	
Occupant:		Phone:	
Applicant:	SEAMLESS FOAM & COATINGS LLC	Phone:	(386) 290 4843
Contractor:	SEAMLESS FOAM & COATINGS LLC	Phone:	(386) 290 4843
Licensee:	SEAMLESS FOAM & COATINGS LLC	Phone:	(386) 290 4843
License Issued:	09/16/2019		
License Expires:	09/16/2020		

Permit Information

Date Issued: 09/19/2019 Date Expires: 05/04/2020 Status: FINALED

Work Description:
ROOF RE COVER REMOVE LOOSE ROCK ADD GRAVEL STOP DRIP DGE SPRAY POLYURETHANE FOAM WITH SILICONE TOP COAT

Stipulations:

Roof in Progress Inspection | Richard T. McFadden

Status:	Completed	Result:	Approved
Scheduled:	11/06/2019 12:00 AM	Completed:	11/06/2019 05:00 PM

Roof Final Inspection | Richard T. McFadden

Status:	Completed	Result:	Approved
Scheduled:	10/24/2019 12:00 AM	Completed:	10/24/2019 12:00 AM

Fee Information

Building Permit Fee	Building Plan Review 1	162.00	16.20
Miscellaneous	Education	0.00	5.40
Miscellaneous	Intake Fee	1.00	20.00
Building Permit Fee	Roofing	0.00	162.00
Miscellaneous	Technology	0.00	5.40
Florida State Tax	FS 468.631	1.00	2.73
Florida State Tax	FS 553.721	1.00	2.00
Building Permit Fee	EXPIRED PERMIT CLOSE OUT FEE	1.00	40.00

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786)315-2590 F (786) 31525-99
www.miamidade.gov/economy

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

NOTICE OF ACCEPTANCE (NOA)

GAF
1 Campus Drive
Parsippany, NJ 07054

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: GAF EverGuard® Freedom™ TPO HW over Wood Decks.

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

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

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

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

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

This NOA renews and revises NOA No. 15-0203.24 and consists of pages 1 through 15.
The submitted documentation was reviewed by Jorge L. Acebo.

ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Single Ply Roofing
Material: TPO
Deck Type: Wood
Maximum Design Pressure: -67.5 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
EverGuard® Freedom™ TPO HW	Various	ASTM D6878 TAS 131	Self-adhered thermoplastic olefin reinforced single-ply membrane with a heat weldable seam.
GAFGLAS® #75 Base Sheet	39.37" (1 meter) Wide	ASTM D4601	A smooth asphaltic base or base/ply sheet reinforced with fiberglass mat.
Tri-Ply® #75 Base Sheet	39.37" (1 meter) Wide	ASTM D4601	A smooth asphaltic base or base/ply sheet reinforced with fiberglass mat.
GAFGLAS® #80 Ultima™ Base Sheet	39.37" (1 meter) Wide	ASTM D4601	A smooth asphaltic base or base/ply sheet reinforced with fiberglass mat.
GAFGLAS® Stratavent® Eliminator™ Nailable Venting Base Sheet	39.37" (1 meter) Wide	ASTM D4897	A smooth surfaced asphaltic nailable venting base sheet reinforced with fiberglass mat. Bottom side surfaced with granules.
VersaShield® Fire-Resistant Roof Deck Protection	12" x 100' rolls	ASTM D226	Non-asphaltic fiberglass-based underlayment and /or fire barrier.
StormSafe™ Anchor Sheet	48" wide	ASTM D4601	A synthetic anchor sheet manufactured of polypropylene woven fabric coated on both sides with polypropylene.
Ruberoid® 20 Smooth	39.37" (1 meter) Wide	ASTM D6163	SBS polymer-modified asphalt base sheet reinforced with a glass fiber mat.
Ruberoid® Mop Smooth	39.37" (1 meter) Wide	ASTM D6164	Non-woven polyester mat coated with SBS polymer-modified asphalt and smooth surfaced.
Ruberoid® Mop Smooth 1.5	39.37" (1 meter) Wide	ASTM D6164	Non-woven polyester mat coated with SBS polymer-modified asphalt and smooth surfaced.
EverGuard® TPO Coated Metal	4' x 10' sheets	Proprietary	24 gauge steel with a 25 mil thick GAF TPO for edge detailing.
EverGuard® TPO Cover Tape	6" x 100' 10" x 100'	Proprietary	GAF TPO laminated to white butyl tape primarily used for edge metal details.

Product	Dimensions	Test Specification	Product Description
EverGuard® TPO Cover Tape Heat-Weld™	6" x 100'	Proprietary	Flashing strip manufactured from unreinforced GAF TPO laminated to a six inch wide strip, half the strip with a self-adhered side and half the strip with a heat-weldable edge; used for edge metal details.
EverGuard® TPO Detailing Membrane	24" x 50'	Proprietary	Unreinforced flashing material manufactured from GAF TPO.
EverGuard® TPO Flashing Strip	Various	Proprietary	Reinforced flashing membrane manufactured from GAF TPO.
EverGuard® TPO Pourable Sealer Pocket	9" x 6" x 4" oval with 3" base flange	Proprietary	Pourable sealer pocket is molded with GAF TPO compound to a nominal 70 mil thickness designed for waterproofing irregular shaped roof penetrations.
EverGuard® TPO RTA (Roof Transition Anchor) Strip™	6" x 100' roll	Proprietary	Reinforced GAF TPO membrane with pressure sensitive adhesive primarily used to secure membrane transitions from the field to vertical surfaces.
EverGuard® TPO Split Pipe Boot	1"- 2" 3" - 5" 6" - 8"	Proprietary	Reinforced GAF TPO membrane split to accommodate most common pipes and conduits.
EverGuard® TPO Square Tube Wrap	4" x 4" 4" x 6" 6" x 6"	Proprietary	Reinforced GAF TPO with split design overlap to be wrapped around square or rectangular tubing.
EverGuard® TPO Corner Curb Wrap	Various	Proprietary	Corners fabricated from reinforced GAF TPO.
EverGuard® TPO Scupper	4" x 6" x 12" 8" x 10" x 12"	Proprietary	Scupper manufactured from coated metal and unreinforced GAF TPO.
EverGuard® TPO T-Joint Cover Patch	100 patches per box	Proprietary	T-Joint patch manufactured from unreinforced GAF TPO.
EverGuard® TPO Vent	2 vents per carton	Proprietary	Vent manufactured from reinforced GAF TPO membrane and galvanized steel.
EverGuard® TPO T-Top Vent	4" or 6"	Proprietary	Vent manufactured from reinforced GAF TPO membrane and galvanized steel.
EverGuard® TPO Walkway Rolls	Rolls 1/8" x 30" x 50'	Proprietary	Standard duty TPO walkway rolls.
EverGuard® TPO Inside Corner	6" x 6" x 5¼"	Proprietary	Inside corner manufactured from unreinforced GAF TPO.

Product	Dimensions	Test Specification	Product Description
EverGuard® TPO Vent Boot	1" - 6" o.d. 6 pcs. crtn.	Proprietary	Vent pipe boot molded from GAF TPO and supplied with stainless steel clamping rings.
EverGuard® TPO Universal Corners	Various	Proprietary	Universal corners manufactured from GAF TPO that are heat seamable and designed to accommodate both inside and outside corners of base and curb flashings manufactured from GAF TPO.
EverGuard® TPO Expansion Joint Cover	Various	Proprietary	Low profile joint cover manufactured from reinforced GAF TPO.
EverGuard® TPO Cut Edge Sealant	1 quart squeeze tube	Proprietary	Clear solvent based sealant for TPO cut edges.
EverGuard® TPO Drain	Various	Proprietary	Spun aluminum drain pre-flashed with non-reinforced GAF TPO.
EverGuard® TPO Seam Cleaner	1 gallon	Proprietary	Solvent based seam cleaner.
EverGuard® TPO Standing Seam Tape	6"	Proprietary	A white butyl tape.
EverGuard® TPO Fluted Corner	8" diameter nominal .05" non-reinforced	Proprietary	Flashing for outside corners of base and curb flashing manufactured from non-reinforced GAF TPO.
Topcoat® Membrane	1, 5 or 55 gallons	ASTM D6083	Acrylic, water based elastomeric membrane system designed to protect various types of roof surfaces.
Topcoat® TPO Red Primer	1 gallon	Proprietary	Tinted primer used on TPO to improve adhesion of Topcoat® coatings.
TopCoat® FireOut™ Fire Barrier Coating	5 or 55 gallons	Proprietary	Low VOC, water-based fire barrier coating.
EverGuard® TPO Primer	1 gallon	Proprietary	Solvent-based VOC Compliant TPO primer
EverGuard® Low VOC TPO Primer	1 gallon	Proprietary	Low VOC TPO Primer

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
EnergyGuard™ Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ RA Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ RN Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ Perlite Roof Insulation	Perlite insulation board	GAF
DensDeck® Roof Board	Gypsum board	Georgia Pacific Gypsum LLC
Securock® Gypsum-Fiber Roof Board	Gypsum board	United States Gypsum Corporation
Securock® Glass-Mat Roof Board	Gypsum board	United States Gypsum Corporation

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	Drill-Tec™ #12 Fasteners	Phillips head, modified buttress thread, pinch point, carbon steel fastener for use in steel or wood decks. With CR-10 coating. Available with a pinch point or drill point.	#12 x 8" max. length, #3 Phillips head	GAF
2.	Drill-Tec™ #14 Fasteners	Truss head, self-drilling, pinch point, high thread fastener for use in steel, wood or concrete decks.	#14 x 16" max. length, #3 Phillips head	GAF
3.	Drill-Tec™ 3" Standard Steel Plate	Galvalume® coated steel stress plate for use with approved Drill-Tec™ fasteners.	3" Round	GAF
4.	Drill-Tec™ 3" Ribbed Galvalume® Plate (Flat)	Round Galvalume® plated steel stress plate with reinforcing ribs for use with Drill-Tec™ fasteners.	3" Round	GAF
5.	Drill-Tec™ AccuTrac® Recessed Plate	Galvalume® steel plate with recess for use with Drill-Tec™ fasteners.	3" square; .017" thick	GAF
6.	Drill-Tec™ ASAP 3S	Drill-Tec™ #12 Fastener with Drill-Tec™ 3" Standard Steel Plate.	See components	GAF
7.	Annular Ring Shank Nails & Tin Caps	12 gage, annular ring shank nails with 32 gage galvanized corrosion resistant stress plate.	Nail: Min.1-1/4" length Tin Caps: Min. 1-5/8" Dia.	Generic Miami-Dade Approved

EVIDENCE SUBMITTED:

Test Agency/Identifier	Name	Report	Date
UL LLC	UL 790	R10689	06/08/18
	UL 790	R1306	08/29/19
Factory Mutual Research Corp.	FM 4470	3B9Q1.AM	01/08/98
	FM 4470	3020588	03/24/04
	FM 4470	3032811	12/11/08
	FM 4470	3041535	06/08/11
	FM 4470	3036980	08/14/14
IRT-ARCON	TAS 114	04-025	07/13/04
PRI Construction Materials Technologies LLC	ASTM D6878/TAS 131	GAF-426-02-01	01/27/14
	ASTM D6878/TAS 131	GAF-423-02-01	01/27/14
	ASTM D6878/TAS 131	GAF-501-02-01	01/27/14
	ASTM D1970	GAF-343-02-01	04/23/12
	ASTM D1970	GAF-344-02-01	04/23/12
	ASTM D1970	GAF-275-02-01	11/11/10
	ASTM D6083	GAF-082-02-01	06/10/10
	ASTM C1289	GAF-369-02-01	10/22/12
	ASTM D2178	GAF-315-02-01	08/23/11
	ASTM D2178	GAF-314-02-01	08/23/11
	ASTM D6083	GAF-499-02-01	03/12/14
	ASTM 6083	GAF-276-02-01REV	01/04/11
	ASTM D226	GAF-270-02-02	11/15/10
	TAS 114	GAF-514-02-07	05/12/14
	TAS 114	GAF-514-02-03	05/12/14
	TAS 114	GAF-514-02-04	05/12/14
	TAS 114	GAF-514-02-05	05/12/14
	Proprietary	GAF-349-02-01	06/19/12
	ASTM C1289	GAF-464-02-01	02/06/14
	Proprietary	GAF-508-02-01	03/12/14
	TAS 114	GAF-514-02-08	05/12/14
	TAS 114	GAF-559-02-11	10/16/14
	ASTM C1289	GAF-629-02-01	03/01/16
Trinity | ERD	ASTM D4601	G121110.12.08	12/02/08
	ASTM D6163	G43180.01.14-1	01/10/14
	ASTM D6164	G31360.03.10	03/31/10
	ASTM D6164	G40630.01.14-2A-1-R1	04/10/14
	ASTM D4601	G43140.04.11-4-R2	04/25/11
	ASTM D4897	G34140.04.11-5-R3	04/25/11
	ASTM D6164	GAF-SC13105.03.17-R1	03/23/17
NEMO | etc.	Physical Properties	4q-GAF-19-SSMBB-03.A	05/13/19
	ASTM D6163	4q-GAF-19-SSMBB-02.A	04/08/19

APPROVED ASSEMBLIES:

Membrane Type: TPO

Deck Type 1I: Wood, Insulated

Deck Description: Min. 19/32" thick CDX plywood or wood plank secured 6" o.c. with 8d ring shank nails to supports spaced maximum 24" o.c

System Type A: All layers of insulation are adhered to a mechanically attached anchor sheet. Membrane adhered to insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Fire Barrier: (Optional) Topcoat FireOut™ Fire Barrier Coating or VersaShield® Fire-Resistant Roof Deck Protection applied per manufacturer instructions.

Anchor sheet: GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet, GAFGLAS® #80 Ultima™ Base Sheet, GAFGLAS® Stratavent® Eliminator™ Nailable Base Sheet, Ruberoid® 20, Ruberoid® Mop Smooth or Ruberoid® Mop Smooth 1.5 mechanically fastened (through the fire barrier when present) to the wood deck with Miami Dade approved annular ring shank nails and tin caps at a spacing of 8" o.c. at the lap staggered and in two rows 8" o.c. in the field.

One or more layers of any of the following insulations.

Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
EnergyGuard™ Polyiso Insulation, EnergyGuard™ RA Polyiso Insulation, , EnergyGuard™ RN Polyiso Insulation		
Minimum 1" thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the anchor sheet in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs/100 ft² or ¾" to 1" wide ribbons spaced at 6" o.c. of OlyBond500®, OlyBond 500® Green or OlyBond® Adhesive at a rate of 1 gal/100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EverGuard® Freedom™ TPO HW adhered to insulation and rolled with a weighted roller. The 3" side laps are sealed with a 1.5" wide heat weld for automatic machine welding. Weld width shall be a minimum 2" width for hand welding.

Surfacing: (Optional) **Chosen components must be applied in accordance with manufacturer's application instructions. Any coating listed below used as a surfacing must be listed within a current NOA.**

1. Topcoat® Membrane applied at 1 to 1.5 gal./sq.
2. Topcoat® TPO Red Primer applied at 0.5 gal./sq. prior to applying Topcoat® Membrane.

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

Membrane Type: TPO

Deck Type 1I: Wood, Insulated

Deck Description: Min. 19/32" thick CDX plywood or wood plank secured 6" o.c. with 8d ring shank nails to supports spaced maximum 24" o.c.

System Type C: Insulation mechanically attached; membrane adhered to insulation.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Fire Barrier: (Optional) Min. ¼" thick DensDeck® Roof Board, Securock® Gypsum-Fiber Roof Board or Securock® Glass-Mat Roof Board; min. 0.75" thick EnergyGuard™ Perlite Roof Insulation thick preliminary fastened to deck with 4 fasteners per board or VersaShield® Fire-Resistant Roof Deck Protection or Topcoat FireOut™ Fire Barrier Coating applied per manufacturer instructions.

One or more layers of any of the following insulations.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
EnergyGuard™ Polyiso Insulation, EnergyGuard™ RA Polyiso Insulation, EnergyGuard™ RN Polyiso Insulation		
Minimum 1.5" thick	**1, 3, 5, 6**	**1:1.3 ft²**

Note: All layers of insulation shall be simultaneously fastened through the optional fire barrier (when present) into the wood deck; see insulation layer above for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: EverGuard® Freedom™ TPO HW adhered to insulation and rolled with a weighted roller. The 3" side laps are sealed with a 1.5" wide heat weld for automatic machine welding. Weld width shall be a minimum 2" width for hand welding.

Surfacing: (Optional) **Chosen components must be applied in accordance with manufacturer's application instructions. Any coating listed below used as a surfacing must be listed within a current NOA.**

1. Topcoat® Membrane applied at 1 to 1.5 gal./sq.
2. Topcoat® TPO Red Primer applied at 0.5 gal./sq. prior to applying Topcoat® Membrane.

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

Membrane Type: TPO

Deck Type 1I: Wood, Insulated

Deck Description: Min. 19/32" thick CDX plywood or wood plank secured 6" o.c. with 8d ring shank nails to supports spaced maximum 24" o.c.

System Type D(1): Insulation is preliminary attached to roof deck, anchor sheet is mechanically fastened through the insulation into the deck. Membrane is fully adhered to the anchor sheet.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Fire Barrier: (Optional) Min. ¼" thick DensDeck® Roof Board, Securock® Gypsum-Fiber Roof Board or Securock® Glass-Mat Roof Board; min. 0.75" thick EnergyGuard™ Perlite Roof Insulation loose laid or VersaShield® Fire Resistant Roof Deck Protection or Topcoat FireOut™ Fire Barrier Coating applied per manufacturer instructions.

One or more layers of any of the following insulations.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
EnergyGuard™ Polyiso Insulation Minimum 1" thick	**N/A**	**N/A**

Note: Insulation is preliminarily fastened to roof deck. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Anchor sheet: StormSafe™ Anchor Sheet is mechanically fastened through the insulation into the wood deck with Drill-Tec™ 3" Ribbed Galvalume Plate (Flat) and Drill-Tec™ #14 Fasteners spaced 8 in. o.c. along the 4 in. wide side laps and 8 in. in two staggered rows in the field of the sheet (14-5/8" row spacing).

Membrane: EverGuard® Freedom™ TPO HW or adhered to the anchor sheet and rolled with a weighted roller. The 3" side laps are sealed with a 1.5" wide heat weld for automatic machine welding. Weld width shall be a minimum 2" width for hand welding.

Surfacing: (Optional) **Chosen components must be applied in accordance with manufacturer's application instructions. Any coating listed below used as a surfacing must be listed within a current NOA.**

1. Topcoat® Membrane applied at 1 to 1.5 gal./sq.
2. Topcoat® TPO Red Primer applied at 0.5 gal./sq. prior to applying Topcoat® Membrane.

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

Membrane Type:	TPO
Deck Type 1I:	Wood, Insulated
Deck Description:	Min. 15/32 in. thick CDX plywood or wood plank secured 6 in. o.c. at panel ends and intermediate supports with 8d ring shank nails to wood supports spaced 24" o.c.
System Type D(2):	Insulation is preliminary attached to roof deck, anchor sheet is mechanically fastened through the insulation into the deck. Membrane is fully adhered to the anchor sheet.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Fire Barrier: (Optional)	Min. ¼" thick DensDeck® Roof Board, Securock® Gypsum-Fiber Roof Board or Securock® Glass-Mat Roof Board; min. 0.75" thick EnergyGuard™ Perlite Roof Insulation thick loose laid or VersaShield® Fire Resistant Roof Deck Protection or Topcoat FireOut™ Fire Barrier Coating applied per manufacturer instructions.

One or more layers of any of the following insulations.

Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
EnergyGuard™ Polyiso Insulation, Minimum 1" thick	**N/A**	**N/A**

Note: Insulation is preliminarily fastened to roof deck. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Anchor sheet:	StormSafe™ Anchor Sheet is mechanically fastened through the insulation into the wood deck with Drill-Tec™ 3" Ribbed Galvalume Plate (Flat), Drill-Tec™ 3" Standard Steel Plate, Drill-Tec™ AccuTrac® Recessed Plate or Drill-Tec™ 3" Steel Plate and Drill-Tec™ #14 Fasteners spaced 18 in. o.c. along the 4 in. wide base sheet side laps and 18 in. in two staggered rows in the field of the sheet (14-5/8" row spacing).
Membrane:	EverGuard® Freedom™ TPO HW adhered to the anchor sheet and rolled with a weighted roller. The 3" side laps are sealed with a 1.5" wide heat weld for automatic machine welding. Weld width shall be a minimum 2" width for hand welding.
Surfacing: (Optional)	**Chosen components must be applied in accordance with manufacturer's application instructions. Any coating listed below used as a surfacing must be listed within a current NOA.**

1. Topcoat® Membrane applied at 1 to 1.5 gal./sq.
2. Topcoat® TPO Red Primer applied at 0.5 gal./sq. prior to applying Topcoat® Membrane.

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

Membrane Type:	TPO
Deck Type 1I:	Wood, Non-Insulated
Deck Description:	Min. 15/32 in. thick CDX plywood or wood plank secured 6 in. o.c. at panel ends and intermediate supports with 8d ring shank nails to wood supports spaced 24" o.c.
System Type E(1):	Anchor sheet mechanically attached to roof deck. Membrane is fully adhered to the anchor sheet.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Fire Barrier: (Optional)	VersaShield® Fire Resistant Roof Deck Protection or Topcoat FireOut™ Fire Barrier Coating applied per manufacturer instructions.
Anchor sheet:	StormSafe™ Anchor Sheet is mechanically fastened to wood deck with Drill-Tec™ 3" Ribbed Galvalume® Plate (Flat) and Drill-Tec™ #14 Fasteners spaced 18 in. o.c. along the 4 in. wide side lap and 18 in. in two staggered rows in the field of the sheet (14-5/8" row spacing).
Membrane:	EverGuard® Freedom™ TPO HW adhered to the anchor sheet and rolled with a weighted roller. The 3" side laps are sealed with a 1.5" wide heat weld for automatic machine welding. Weld width shall be a minimum 2" width for hand welding.
Surfacing: (Optional)	**Chosen components must be applied in accordance with manufacturer's application instructions. Any coating listed below used as a surfacing must be listed within a current NOA.**

1. Topcoat® Membrane applied at 1 to 1.5 gal./sq.
2. Topcoat® TPO Red Primer applied at 0.5 gal./sq. prior to applying Topcoat® Membrane.

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

Membrane Type:	TPO
Deck Type 1I:	Wood, Non-Insulated
Deck Description:	Min. 19/32" thick CDX plywood or wood plank secured 6" o.c. with 8d ring shank nails supports spaced 24" o.c.
System Type E(2):	Anchor Sheet is mechanically attached to the deck. Membrane is fully adhered to the anchor sheet.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Fire Barrier: (Optional)	VersaShield® Fire Resistant Roof Deck Protection or Topcoat FireOut™ Fire Barrier Coating applied per manufacturer instructions.
Anchor sheet:	StormSafe™ Anchor Sheet is mechanically fastened to wood deck with Drill-Tec™ 3" Ribbed Galvalume Plates (Flat) and Drill-Tec™ #14 Fasteners spaced 8 in. o.c. along the 4 in. wide side laps and 8 in. in two staggered rows in the field of the sheet (14-5/8" row spacing).
Membrane:	EverGuard® Freedom™ TPO HW adhered to the anchor sheet and rolled with a weighted roller. The 3" side laps are sealed with a 1.5" wide heat weld for automatic machine welding. Weld width shall be a minimum 2" width for hand welding.
Surfacing: (Optional)	**Chosen components must be applied in accordance with manufacturer's application instructions. Any coating listed below used as a surfacing must be listed within a current NOA.**

1. Topcoat® Membrane applied at 1 to 1.5 gal./sq.
2. Topcoat® TPO Red Primer applied at 0.5 gal./sq. prior to applying Topcoat® Membrane.

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

Membrane Type: TPO

Deck Type 1I: Wood, Non-Insulated

Deck Description: Min. 15/32 in. thick CDX plywood or wood plank secured 6 in. o.c. at panel ends and intermediate supports with 8d ring shank nails to wood supports spaced 24" o.c.

System Type E(3): Anchor sheet is mechanically attached to the deck. Membrane is fully adhered to the anchor sheet.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Fire Barrier: (Optional) VersaShield® Fire Resistant Roof Deck Protection or Topcoat FireOut™ Fire Barrier Coating applied per manufacturer instructions.

Anchor sheet: StormSafe™ Anchor Sheet is mechanically fastened to wood deck with Miami Dade approved tin-caps and nails at 6" o.c. in the 4" laps and 6" o.c. in two equally spaced staggered rows in the field (14-5/8" row spacing).

Membrane: EverGuard® Freedom™ TPO HW adhered to the anchor sheet and rolled with a weighted roller. The 3" side laps are sealed with a 1.5" wide heat weld for automatic machine welding. Weld width shall be a minimum 2" width for hand welding.

Surfacing: (Optional) **Chosen components must be applied in accordance with manufacturer's application instructions. Any coating listed below used as a surfacing must be listed within a current NOA.**

1. Topcoat® Membrane applied at 1 to 1.5 gal./sq.
2. Topcoat® TPO Red Primer applied at 0.5 gal./sq. prior to applying Topcoat® Membrane.

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

WOOD DECK SYSTEM LIMITATIONS:

1 A slip sheet is required with GAFGLAS® Ply 4, Tri-Ply® Ply 4 and GAFGLAS® FlexPly™ 6 when used as a mechanically fastened base or anchor sheet.

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each side lap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq.
   Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117 and/or RAS 137. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE

MIAMI-DADE COUNTY

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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786)315-2590 F (786) 31525-99
www.miamidade.gov/economy

GAF
1 Campus Drive
Parsippany, NJ 07054

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: GAF Conventional Built-Up-Roof System for Concrete Decks.

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

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

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

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

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

This NOA renews and revises NOA No. 18-0919.09 and consists of pages 1 through 28.
The submitted documentation was reviewed by Jorge L. Acebo.

08/15/24

MIAMI-DADE COUNTY APPROVED

NOA No.: 24-0709.01
Expiration Date: 11/06/24
Approval Date: 08/15/24

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	BUR
Material:	Fiberglass
Deck Type:	Concrete
Maximum Design Pressure:	-457.5 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
GAFGLAS® Ply 4	39.37" (1 meter) Wide	ASTM D2178	Type IV asphalt impregnated glass felt with asphalt coating.
Tri-Ply® Ply 4	39.37" (1 meter) Wide	ASTM D2178	Type IV asphalt impregnated glass felt with asphalt coating.
GAFGLAS® FlexPly™ 6	39.37" (1 meter) Wide	ASTM D2178	Type VI asphalt impregnated glass felt with asphalt coating.
GAFGLAS® FlexPly 6 5L	39.37" (1 meter) Wide	ASTM D2178	Type VI asphalt impregnated glass felt with asphalt coating. Used for five ply applications.
GAFGLAS® #75 Base Sheet	39.37" (1 meter) Wide	ASTM D4601	Type II asphalt impregnated and coated glass mat base sheet.
Tri-Ply® #75 Base Sheet	39.37" (1 meter) Wide	ASTM D4601	Type II asphalt impregnated and coated glass mat base sheet.
GAFGLAS® #80 Ultima™ Base Sheet	39.37" (1 meter) Wide	ASTM D4601	Type II asphalt impregnated and coated glass mat base sheet.
GAFGLAS® Stratavent® Eliminator Perforated Venting Base Sheet	39.37" (1 meter) Wide	ASTM D4897	Fiberglass base sheet coated on both sides with asphalt and factory perforated. Surfaced on the bottom side with mineral granules embedded in asphaltic coating.
GAFGLAS® Mineral Surfaced Cap Sheet	39.37" (1 meter) Wide	ASTM D3909	Asphalt coated, glass fiber mat cap sheet surfaced with mineral granules.
Tri-Ply® Mineral Surfaced Cap Sheet	39.37" (1 meter) Wide	ASTM D3909	Asphalt coated, glass fiber mat cap sheet surfaced with mineral granules.
GAFGLAS® EnergyCap™ BUR Mineral Surface Cap Sheet	39.37" (1 meter) wide	ASTM D3909	Asphalt coated, glass fiber mat cap sheet surfaced with mineral granules and factory applied EnergyCote™
Ruberoid® 20	39.37" (1 meter) Wide	ASTM D6163	SBS polymer-modified asphalt base sheet reinforced with a glass fiber mat.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
Ruberoid® Mop Smooth	39.37" (1 meter) Wide	ASTM D6164	Non-woven polyester mat coated with SBS polymer-modified asphalt and smooth surfaced.
Ruberoid® Mop Smooth 1.5	39.37" (1 meter) Wide	ASTM D6164	Non-woven polyester mat coated with SBS polymer-modified asphalt and smooth surfaced.
Ruberoid® Mop Plus Smooth	39.37" (1 meter) Wide	ASTM D6164	Non-woven polyester mat coated with SBS polymer-modified asphalt and smooth surfaced.
Matrix™ 307 Premium Asphalt Primer	3, 5, 55 gallons	ASTM D41	Asphalt concrete primer used to promote adhesion of all types of asphalt based roofing materials.

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
EnergyGuard™ Polyiso Insulation	Polyisocyanurate foam insulation	GAF.
EnergyGuard™ RA Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ RH Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ Tapered Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ RA Tapered Polyiso Insulation	Polyisocyanurate foam insulation	GAF
Structodek® High Density Fiberboard	High density fiber board	Blue Ridge Fiberboard, Inc.
Securock® Gypsum-Fiber Roof Board	Gypsum board	USG
DensDeck® Roof Board	Gypsum board	Georgia-Pacific Gypsum LLC
DensDeck® Prime® Roof Board	Gypsum board	Georgia-Pacific Gypsum LLC

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	N/A	N/A	N/A	N/A

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Description	Date
FM Approvals	2B8A4.AM	FM 4470	07/02/97
	3B9Q1.AM	FM 4470	01/08/98
	0D0A8.AM	FM 4470	07/09/99
	0D1A8.AM	FM 4470	07/29/94
	0Y9Q5.AM	FM 4470	04/01/98
	3008178	FM 4470	12/27/00
	3010215	FM 4470	03/01/01
	3017250	FM 4470	05/05/04
	3036980	FM 4470	08/14/09
	3035140	FM 4470	08/10/09
	3023458	FM 4470	07/18/06
	3010215	FM 4470	04/01/01
	3034312	FM 4470	04/09/09
	3042887	FM 4470	11/14/11
	3032856	FM 4470	11/24/08
	3040738	FM 4470	05/18/12
	3046388	FM 4470	09/24/12
	3042887	FM 4470	11/14/11
UL LLC	R1306	UL 790	06/27/24
Trinity | ERD	G40630.01.14-2A-1	ASTM D6164	01/07/14
	SC9700.08.15-R1	ASTM D2178	08/31/15
	SC10680.05.16	ASTM D6163	05/10/16
	SC13105.03.17-R1	ASTM D6164	03/23/17
	SC15710.12.17-1-R1	ASTM D1970	12/08/17
NEMO ETC, LLC	4S-GAF-18-001.01.19-1	ASTM D2178	01/02/19
	4Q-GAF-22-SSMBB-01.A	ASTM D6164	04/22/23
PRI Construction Materials Technologies LLC	GAF-464-02-01	ASTM D1289	02/06/14
	GAF-498-02-01	ASTM D6083	03/12/14
	GAF-499-02-01	ASTM D6083	03/12/14
	GAF-500-02-01	ASTM D6083	03/12/14
	GAF-671-02-01	ASTM D6083	03/14/16
	GAF-692-02-01	ASTM D6083	03/14/16
	376T0228	ASTM D4897	12/20/21
	376T0229	ASTM D4601	12/20/21
	376T0240	ASTM D4601	12/21/21
	376T0272	ASTM D3909	02/03/22
	376T0275	ASTM D2178	01/31/22
Atlantic & Caribbean Roof Consulting. LLC	06-041	TAS 114-D	11/10/16
	12-009	TAS 114-D	04/20/12
	11-048	TAS 114-D	08/10/11
	11-049	TAS 114-D	08/10/11
	11-051	TAS 114-D	08/11/11

APPROVED ASSEMBLIES:

Membrane Type: BUR

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(1): Insulation layer adhered with approved asphalt.

All General and System Limitations shall apply.

Vapor Barrier: (Optional) Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6 or Ruberoid® 20 mopped directly to deck primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer. The primer must be allowed to dry then the vapor barrier is adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

One or more layers of any of the following insulations.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
Structodek® High Density Fiber Board, DensDeck® Prime® Roof Board, Securock® Gypsum-Fiber Roof Minimum 0.5" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer and allowed to dry prior to application of base sheet (when optional vapor barrier is not present). All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet, GAFGLAS® #80 Ultima™ Base Sheet, Ruberoid® 20, Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5 or Ruberoid® Mop Plus Smooth directly to the insulated substrate. Adhere with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Ply Sheet: One or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4 or GAFGLAS® FlexPly™ 6 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Cap Sheet: (Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet, Tri-Ply® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ BUR Mineral Surface Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Surfacing: **Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. Fibered Aluminum Roof Coating applied accordance with manufacturer's instructions.

Maximum Design Pressure: -270 psf. (See General Limitation #9.)

Membrane Type: BUR

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(2): Insulation layer adhered with approved asphalt.

All General and System Limitations shall apply.

Vapor Barrier: (Optional) Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6 or Ruberoid® 20 mopped directly to deck primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer. The primer must be allowed to dry then the vapor barrier is adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
EnergyGuard™ Polyiso Insulation, EnergyGuard™ RH Polyiso Insulation Minimum 2" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
Securock® Gypsum-Fiber Roof Board, DensDeck® Prime® Roof Board Minimum 0.5" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer and allowed to dry prior to application of base sheet (when optional vapor barrier is not present). All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™6, GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet, GAFGLAS® #80 Ultima™ Base Sheet, Ruberoid® 20, Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5 or Ruberoid® Mop Plus Smooth directly to the insulated substrate. Adhere with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Ply Sheet: One or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4 or GAFGLAS® FlexPly™ 6 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Cap Sheet: (Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet, Tri-Ply® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ BUR Mineral Surface Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Surfacing: **Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. Fibered Aluminum Roof Coating applied accordance with manufacturer's instructions.

Maximum Design Pressure: -322.5 psf. (See General Limitation #9.)

Membrane Type: BUR

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(3): Insulation layers adhered with approved asphalt.

All General and System Limitations shall apply.

Vapor Barrier: (Optional) Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, Ruberoid® 20 mopped directly to deck primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer. The primer must be allowed to dry then the vapor barrier is adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

One or more layers of any of the following insulations.

Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
Securock® Gypsum-Fiber Roof Board, DensDeck® Prime® Roof Board Minimum 0.75" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer and allowed to dry prior to application of base sheet (when optional vapor barrier is not present). All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet, GAFGLAS® #80 Ultima™ Base Sheet, Ruberoid® 20, Ruberoid® Mop Smooth 1.5 or Ruberoid® Mop Plus Smooth directly to the insulated substrate. Adhere with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Ply Sheet: One or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4 or GAFGLAS FlexPly™ 6 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Cap Sheet: (Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet, Tri-Ply® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ BUR Mineral Surface Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Surfacing: **Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. Fibered Aluminum Roof Coating applied accordance with manufacturer's instructions.

Maximum Design Pressure: -135 psf. (See General Limitation #9.)

Membrane Type: BUR

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(4): Insulation layers adhered with approved asphalt.

All General and System Limitations shall apply.

Vapor Barrier: (Optional) Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6 or Ruberoid® 20mopped directly to deck primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer. The primer must be allowed to dry then the vapor barrier is adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
EnergyGuard™ Polyiso Insulation, EnergyGuard™ RH Polyiso Insulation, EnergyGuard™ RA Polyiso Insulation Minimum 1.25" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
Securock® Gypsum-Fiber Roof Board, DensDeck® Prime® Roof Board Minimum 0.5" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer and allowed to dry prior to application of base sheet (when optional vapor barrier is not present). All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet, GAFGLAS® #80 Ultima™ Base Sheet, Ruberoid® 20, Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5, or Ruberoid® Mop Plus Smooth directly to the insulated substrate. Adhere with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Ply Sheet: One or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4 or GAFGLAS® FlexPly™ 6 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Cap Sheet: (Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet, Tri-Ply® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ BUR Mineral Surface Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Surfacing: **Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. Fibered Aluminum Roof Coating applied accordance with manufacturer's instructions.

Maximum Design Pressure: -125 psf. (See General Limitation #9.)

Membrane Type: BUR

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(5): Insulation layers adhered with approved asphalt.

All General and System Limitations shall apply.

Vapor Barrier: (Optional) Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, or Ruberoid® 20 mopped directly to deck primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer. The primer must be allowed to dry then the vapor barrier is adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

One or more layers of any of the following insulations.

Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
Structodek® High Density Fiber Board, Securock® Gypsum-Fiber Roof Board, DensDeck® Prime® Roof Board Minimum 0.5" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer and allowed to dry prior to application of base sheet (when optional vapor barrier is not present). Apply layers of insulation in a full mopping of any approved mopping asphalt within the EVT range and at a rate of 20-40 lbs./100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.

Base Sheet: Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet, GAFGLAS® #80 Ultima™ Base Sheet, Ruberoid® 20, Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5 or Ruberoid® Mop Plus Smooth directly to the insulated substrate. Adhere with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Ply Sheet: One or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4 or GAFGLAS® FlexPly™ 6 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Cap Sheet: (Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet, Tri-Ply® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ BUR Mineral Surface Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Surfacing: **Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. Fibered Aluminum Roof Coating applied accordance with manufacturer's instructions.

Maximum Design Pressure: -140 psf. (See General Limitation #9.)

Membrane Type: BUR

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(6): Insulation layers adhered with approved asphalt.

All General and System Limitations shall apply.

Vapor Barrier: (Optional) Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6 or Ruberoid® 20 mopped directly to deck primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer. The primer must be allowed to dry then the vapor barrier is adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
EnergyGuard™ Polyiso Insulation, EnergyGuard™ RA Polyiso Insulation, EnergyGuard™ RH Polyiso Insulation Minimum 1.25" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
Structodek® High Density Fiber Board, Securock® Gypsum-Fiber Roof Board, DensDeck® Prime® Roof Board Minimum 0.5" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer and allowed to dry prior to application of base sheet (when optional vapor barrier is not present). All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet, GAFGLAS® #80 Ultima™ Base Sheet, Ruberoid® 20, Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5 or Ruberoid® Mop Plus Smooth directly to the insulated substrate. Adhere with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Ply Sheet: One or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4 or GAFGLAS® FlexPly™ 6 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Cap Sheet: (Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet, Tri-Ply® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ BUR Mineral Surface Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Surfacing: **Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. Fibered Aluminum Roof Coating applied accordance with manufacturer's instructions.

Maximum Design Pressure: -162.5 psf. (See General Limitation #9.)

Membrane Type: BUR

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(7): Insulation layers adhered with approved asphalt.

All General and System Limitations shall apply.

Vapor Barrier: (Optional) Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6 or Ruberoid® 20mopped directly to deck primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer. The primer must be allowed to dry then the vapor barrier is adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
EnergyGuard™ Polyiso Insulation, EnergyGuard™ RA Polyiso Insulation, EnergyGuard™ RH Polyiso Insulation Minimum 1.25" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
Securock® Gypsum-Fiber Roof Board, DensDeck® Prime® Roof Board Minimum 0.75" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer and allowed to dry prior to application of base sheet. All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet, GAFGLAS® #80 Ultima™ Base Sheet, Ruberoid® 20, Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5 or Ruberoid® Mop Plus Smooth directly to the insulated substrate. Adhere with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Ply Sheet: One or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4 or GAFGLAS® FlexPly™ 6 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Cap Sheet: (Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet, Tri-Ply® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ BUR Mineral Surface Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Surfacing: **Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. Fibered Aluminum Roof Coating applied accordance with manufacturer's instructions.

Maximum Design Pressure: -157.5 psf. (See General Limitation #9.)

Membrane Type:	BUR
Deck Type (3):	Concrete Decks, Insulated
Deck Description:	2500 psi structural concrete or concrete plank
System Type (8):	Anchor sheet adhered with approved asphalt; all layers of insulation adhered with approved asphalt.

General and System Limitations shall apply.

Vapor Barrier (Optional)	Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6 or Ruberoid® 20mopped directly to deck primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer. The primer must be allowed to dry then the vapor barrier is adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

One or more layers of any of the following insulations.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
EnergyGuard™ Polyiso Insulation, EnergyGuard™ RA Polyiso Insulation, EnergyGuard™ RH Polyiso Insulation		
Minimum 1" thick	**N/A**	**N/A**
Securock® Gypsum-Fiber Roof Board, DensDeck® Prime® Roof Board		
Minimum 0.5" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer and allowed to dry prior to application of base sheet (when optional vapor barrier is not present). All insulation shall be adhered to the anchor sheet in full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down. GAF requires either a ply of GAFGLAS® Stratavent® Eliminator™ Perforated Venting Base Sheet laid dry or a layer of wood fiber overlay board on all polyisocyanurate insulation applications.

Base Sheet: (Optional)	Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet, GAFGLAS® #80 Ultima Base Sheet, Ruberoid® 20, Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5or Ruberoid® Mop Plus Smoot directly to primed deck adhere with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.
Base Sheet: (Optional)	Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet, GAFGLAS® #80 Ultima™ Base Sheet, Ruberoid® 20, Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5, or Ruberoid® Mop Plus Smooth directly to the insulated substrate. Adhere with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions. Or GAFGLAS® Stratavent® Eliminator™ Perforated Venting Base Sheet loose laid dry, followed by a mopped ply sheet listed below.
Ply Sheet:	Two or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4 or GAFGLAS® FlexPly™ 6 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Membrane Type: BUR

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(7): Insulation layers adhered with approved asphalt.

All General and System Limitations shall apply.

Vapor Barrier: (Optional) Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6 or Ruberoid® 20mopped directly to deck primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer. The primer must be allowed to dry then the vapor barrier is adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
EnergyGuard™ Polyiso Insulation, EnergyGuard™ RA Polyiso Insulation, EnergyGuard™ RH Polyiso Insulation Minimum 1.25" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
Securock® Gypsum-Fiber Roof Board, DensDeck® Prime® Roof Board Minimum 0.75" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer and allowed to dry prior to application of base sheet. All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet, GAFGLAS® #80 Ultima™ Base Sheet, Ruberoid® 20, Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5 or Ruberoid® Mop Plus Smooth directly to the insulated substrate. Adhere with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Ply Sheet: One or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4 or GAFGLAS® FlexPly™ 6 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Cap Sheet: (Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet, Tri-Ply® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ BUR Mineral Surface Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Surfacing: **Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. Fibered Aluminum Roof Coating applied accordance with manufacturer's instructions.

Maximum Design Pressure: -157.5 psf. (See General Limitation #9.)

Membrane Type: BUR

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(8): Anchor sheet adhered with approved asphalt; all layers of insulation adhered with approved asphalt.

All General and System Limitations shall apply.

Vapor Barrier: (Optional) Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6 or Ruberoid® 20mopped directly to deck primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer. The primer must be allowed to dry then the vapor barrier is adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

One or more layers of any of the following insulations.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
EnergyGuard™ Polyiso Insulation, EnergyGuard™ RA Polyiso Insulation, EnergyGuard™ RH Polyiso Insulation Minimum 1" thick	**N/A**	**N/A**
Securock® Gypsum-Fiber Roof Board, DensDeck® Prime® Roof Board Minimum 0.5" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer and allowed to dry prior to application of base sheet (when optional vapor barrier is not present). All insulation shall be adhered to the anchor sheet in full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down. GAF requires either a ply of GAFGLAS® Stratavent® Eliminator™ Perforated Venting Base Sheet laid dry or a layer of wood fiber overlay board on all polyisocyanurate insulation applications.

Anchor Sheet: (Optional) Install one or ply of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet, GAFGLAS® #80 Ultima Base Sheet, Ruberoid® 20, Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5or Ruberoid® Mop Plus Smoot directly to primed deck adhere with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Base Sheet: (Optional) Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet, GAFGLAS® #80 Ultima™ Base Sheet, Ruberoid® 20, Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5, or Ruberoid® Mop Plus Smooth directly to the insulated substrate. Adhere with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.
Or
GAFGLAS® Stratavent® Eliminator™ Perforated Venting Base Sheet loose laid dry, followed by a mopped ply sheet listed below.

Ply Sheet: Two or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4 or GAFGLAS® FlexPly™ 6 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Cap Sheet: (Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet, Tri-Ply® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ BUR Mineral Surface Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Surfacing: **Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. Fibered Aluminum Roof Coating applied accordance with manufacturer's instructions.

Maximum Design Pressure: -90 psf. (See General Limitation #9.)

Membrane Type: BUR

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(9): Insulation layers adhered with approved asphalt.

All General and System Limitations shall apply.

Vapor Barrier: (Optional) Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, or Ruberoid® 20 mopped directly to deck primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer. The primer must be allowed to dry then the vapor barrier is adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
EnergyGuard™ RA Polyiso Insulation Minimum 1.25" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
DensDeck® Prime® Roof Board, Securock® Gypsum-Fiber Roof Board Minimum 0.5" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer and allowed to dry prior to application of base sheet (when optional vapor barrier is not present). All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: GAFGLAS® Stratavent® Eliminator™ Perforated Venting Base Sheet loose laid dry.

Ply Sheet: One or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4 or GAFGLAS® FlexPly™ 6 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Cap Sheet: (Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet, Tri-Ply® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ BUR Mineral Surface Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Surfacing: **Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. Fibered Aluminum Roof Coating applied accordance with manufacturer's instructions.

Maximum Design Pressure: -187.5 psf. (See General Limitation #9)

Membrane Type: BUR

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(10): Insulation layers adhered with approved asphalt.

All General and System Limitations shall apply.

Vapor Barrier: (Optional) Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6 or Ruberoid® 20 mopped directly to deck primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer. The primer must be allowed to dry then the vapor barrier is adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
EnergyGuard™ Polyiso Insulation, EnergyGuard™ RH Polyiso Insulation Minimum 1.25" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
DensDeck® Prime® Roof Board, Securock® Gypsum-Fiber Roof Board Minimum 0.5" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer and allowed to dry prior to application of base sheet (when optional vapor barrier is not present). All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: GAFGLAS® Stratavent® Eliminator™ Perforated Venting Base Sheet, loose laid dry.

Ply Sheet: One or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4 or GAFGLAS® FlexPly™ 6 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Cap Sheet: (Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet, Tri-Ply® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ BUR Mineral Surface Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Surfacing: **Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. Fibered Aluminum Roof Coating applied accordance with manufacturer's instructions.

Maximum Design Pressure: -240 psf. (See General Limitation #9)

Membrane Type: BUR

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(11): Insulation layers adhered with approved asphalt.

All General and System Limitations shall apply.

Vapor Barrier: (Optional) Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6 or Ruberoid® 20 mopped directly to deck primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer. The primer must be allowed to dry then the vapor barrier is adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
EnergyGuard™ Polyiso Insulation, EnergyGuard™ Tapered Polyiso Insulation, EnergyGuard™ RA Polyiso Insulation, EnergyGuard™ RA Tapered Polyiso Insulation, EnergyGuard™ RH Polyiso Insulation		
Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
Structodek® High Density Fiberboard, DensDeck® Prime® Roof Board, Securock® Gypsum-Fiber Roof Board		
Minimum 0.5" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer and allowed to dry prior to application of base sheet (when optional vapor barrier is not present). All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: Install or more plies of GAFGLAS® #75 Base Sheet or Tri-Ply® #75 Base Sheet, GAFGLAS® #80 Ultima Base Sheet, Ruberoid® 20, Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5 or Ruberoid® Mop Plus Smooth adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Ply Sheet: Any two plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4 or GAFGLAS® FlexPly™ 6 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Cap Sheet: (Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet, Tri-Ply® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ BUR Mineral Surface Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Surfacing: **Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. Fibered Aluminum Roof Coating applied accordance with manufacturer's instructions.

Maximum Design Pressure: -90 psf. (See General Limitation #9.)

Membrane Type: BUR

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(12): Insulation layers adhered with approved asphalt.

All General and System Limitations shall apply.

Vapor Barrier: (Optional) Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6 or Ruberoid® 20 mopped directly to deck primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer. The primer must be allowed to dry then the vapor barrier is adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
EnergyGuard™ Polyiso Insulation, EnergyGuard™ RA Polyiso Insulation, EnergyGuard™ RH Polyiso Insulation Minimum 2" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer and allowed to dry prior to application of base sheet (when optional vapor barrier is not present). Base insulation layer shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft², OlyBond 500® Adhesive, OlyBond 500® Green Adhesive or LRF Adhesive M. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
Securock® Gypsum-Fiber Roof Board Minimum 0.75" thick	**N/A**	**N/A**

Note: Top Insulation adhered to the base insulation in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft², OlyBond 500® Adhesive, OlyBond 500® Green Adhesive or LRF Adhesive M. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: One or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, GAFGLAS® #75 Base Sheet or Tri-Ply® #75 Base Sheet, GAFGLAS® #80 Ultima Base Sheet, Ruberoid® 20, Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5 or Ruberoid® Mop Plus Smooth adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions and broomed in.

Ply Sheet: One or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4 or GAFGLAS® FlexPly™ 6 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Cap Sheet: (Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet, Tri-Ply® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ BUR Mineral Surface Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Surfacing: **Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. Fibered Aluminum Roof Coating applied accordance with manufacturer's instructions.

Maximum Design Pressure: -225 psf. (See General Limitation #9)

Membrane Type: BUR

Deck Type 2I: Structural Concrete, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(13): Insulation layers adhered with approved asphalt.

All General and System limitations apply

Vapor Barrier: (Optional) Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6 or Ruberoid® 20mopped directly to deck primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer. The primer must be allowed to dry then the vapor barrier is adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
EnergyGuard™ Polyiso Insulation, EnergyGuard™ Tapered Polyiso Insulation		
Minimum 0.5" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer and allowed to dry prior to application of base sheet (when optional vapor barrier is not present). One or more layers of insulation layers shall be adhered to the deck or optional vapor barrier (when present) in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft² per layer; with a maximum 12 inch insulation thickness. The base layer may be flat profiled or tapered. Intermediate layers (optional) are flat profiled when present. The top layer (optional) may be either flat profiled or tapered when present. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Top Insulation Layer	Fasteners (Table 3)	Fastener Density/ft²
Structodek® High Density Fiberboard		
Minimum 0.5" thick	**N/A**	**N/A**
Securock® Gypsum-Fiber Roof Board, DensDeck® Roof Board, DensDeck® Prime® Roof Board		
Minimum 0.25" thick	**N/A**	**N/A**

Note: Top Insulation Layer is fully adhered in hot asphalt applied within the EVT range and at a rate of 20-25 lbs./sq. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: (Optional) Install one or more plies of GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet, GAFGLAS® #80 Ultima Base Sheet, Ruberoid® 20, Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5, or Ruberoid® Mop Plus Smooth adhere with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Ply Sheet: Two or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4 or GAFGLAS® FlexPly™ 6 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Cap Sheet: (Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet, Tri-Ply® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ BUR Mineral Surface Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Surfacing: **Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. Fibered Aluminum Roof Coating applied accordance with manufacturer's instructions.

Maximum Design Pressure: -150 psf. (See General Limitation #9.)

Membrane Type: BUR

Deck Type 2I: Structural Concrete, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(14): Insulation layers adhered with approved asphalt.

All General and System limitations apply

Vapor Barrier: (Optional) Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, Ruberoid® 20 mopped directly to deck primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer. The primer must be allowed to dry then the vapor barrier is adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
EnergyGuard™ Polyiso Insulation, EnergyGuard™ Tapered Polyiso Insulation Minimum 0.5" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer and allowed to dry prior to application of base sheet (when optional vapor barrier is not present). One or more layers of insulation layers shall be adhered to the deck or optional vapor barrier (when present) in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft² per layer; with a maximum 12 inch insulation thickness. The base layer may be flat profiled or tapered. Intermediate layers (optional) are flat profiled when present. The top layer (optional) may be either flat profiled or tapered when present. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Top Insulation Layer	Fasteners (Table 3)	Fastener Density/ft²
Structodek® High Density Fiberboard Minimum 0.5" thick	**N/A**	**N/A**
Securock® Gypsum-Fiber Roof Board, DensDeck® Roof Board, DensDeck® Prime® Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: Top Insulation Layer is fully adhered in hot asphalt at applied within the EVT range and at a rate of 20-25 lbs./sq. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: Install one or more plies of GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet, GAFGLAS® #80 Ultima Base Sheet, Ruberoid® 20, Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5, or Ruberoid® Mop Plus Smooth adhere with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Ply Sheet: Two or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4 or GAFGLAS® FlexPly™ 6 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Cap Sheet: N/A

Surfacing: **Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. Fibered Aluminum Roof Coating applied accordance with manufacturer's instructions.

Maximum Design Pressure: -150 psf. (See General Limitation #9.)

Membrane Type: BUR

Deck Type 2I: Structural Concrete, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(15): Insulation layers adhered with approved asphalt.

All General and System limitations apply

Vapor Barrier: (Optional) Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, or Ruberoid® 20 mopped directly to deck primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer. The primer must be allowed to dry then the vapor barrier is adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
EnergyGuard™ Polyiso Insulation, EnergyGuard™ Tapered Polyiso Insulation		
Minimum 0.5" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer and allowed to dry prior to application of base sheet (when optional vapor barrier is not present). One or more layers of insulation layers shall be adhered to the deck or optional vapor barrier (when present) in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft² per layer; with a maximum 12 inch insulation thickness. The base layer may be flat profiled or tapered. Intermediate layers (optional) are flat profiled when present. The top layer (optional) may be either flat profiled or tapered when present. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Top Insulation Layer	Fasteners (Table 3)	Fastener Density/ft²
Structodek® High Density Fiberboard		
Minimum 0.5" thick	**N/A**	**N/A**
Securock® Gypsum-Fiber Roof Board, DensDeck® Roof Board, DensDeck® Prime® Roof Board		
Minimum 0.25" thick	**N/A**	**N/A**

Note: Top Insulation Layer is fully adhered in hot asphalt applied within the EVT range and at a rate of 20-25 lbs./sq. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Ply Sheet: Five plies of GAFGLAS® FlexPly™ 6 5L adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.
Or
Three or four plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4 or GAFGLAS® FlexPly™ 6 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Cap Sheet: N/A

Surfacing: **Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. Fibered Aluminum Roof Coating applied accordance with manufacturer's instructions.

Maximum Design Pressure: -150 psf. (See General Limitation #9.)

Membrane Type: BUR

Deck Type 2I: Structural Concrete, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A (16): Insulation layers adhered with approved asphalt.

All General and System limitations apply

Vapor Barrier: (Optional) Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6 or Ruberoid® 20 mopped directly to deck primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer. The primer must be allowed to dry then the vapor barrier is adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
EnergyGuard™ Polyiso Insulation, EnergyGuard™ Tapered Polyiso Insulation		
Minimum 0.5" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer and allowed to dry prior to application of base sheet (when optional vapor barrier is not present). One or more layers of insulation layers shall be adhered to the deck or optional vapor barrier (when present) in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft² per layer; with a maximum 12 inch insulation thickness. The base layer may be flat profiled or tapered. Intermediate layers (optional) are flat profiled when present. The top layer (optional) may be either flat profiled or tapered when present. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Top Insulation Layer	Fasteners (Table 3)	Fastener Density/ft²
Structodek® High Density Fiberboard		
Minimum 0.5" thick	**N/A**	**N/A**
Securock® Gypsum-Fiber Roof Board, DensDeck® Roof Board, DensDeck® Prime® Roof Board		
Minimum 0.25" thick	**N/A**	**N/A**

Note: Top Insulation Layer is fully adhered in hot asphalt at applied within the EVT range and at a rate of 20-25 lbs./sq. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: Over a primed concrete deck (when optional vapor barrier is not present) one ply of GAFGLAS® Stratavent® Eliminator™ Perforated Venting Base Sheet loose laid dry.

Ply Sheet: Two or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4 or GAFGLAS® FlexPly™ 6 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Cap Sheet: One ply of GAFGLAS® Mineral Surfaced Cap Sheet, Tri-Ply® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ BUR Mineral Surface Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Surfacing: **Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. Fibered Aluminum Roof Coating applied accordance with manufacturer's instructions.

Maximum Design Pressure: -150 psf. (See General Limitation #9)

Membrane Type: BUR

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(17): Insulation layers adhered with approved asphalt.

All General and System Limitations shall apply.

Vapor Barrier: (Optional) Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, or Ruberoid® 20 mopped directly to deck primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer. The primer must be allowed to dry then the vapor barrier is adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

One or more layers of any of the following insulations.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
EnergyGuard™ Polyiso Insulation, EnergyGuard™ RH Polyiso Insulation Minimum 1" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer and allowed to dry prior to application of base sheet (when optional vapor barrier is not present). All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: GAFGLAS® Stratavent® Eliminator™ Perforated Venting Base Sheet, loose laid dry.

Ply Sheet: Two or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, or GAFGLAS® FlexPly™ 6 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Cap Sheet: One ply of GAFGLAS® Mineral Surfaced Cap Sheet, Tri-Ply® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ BUR Mineral Surface Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Surfacing: **Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of Approved asphalt at 60 lbs./sq.
2. Fibered Aluminum Roof Coating applied accordance with manufacturer's instructions.

Maximum Design Pressure: -292.5 psf. (See General Limitation #9)

Membrane Type: BUR

Deck Type 3: Concrete Decks, Non-Insulated

Deck Description: 2500 psi structural concrete or concrete plank

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

All General and System Limitations shall apply.

Vapor Barrier: (Optional) Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, Ruberoid® 20 or Ruberoid® Dual Smooth mopped directly to deck primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer. The primer must be allowed to dry then the vapor barrier is adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Note: Concrete deck shall be primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer and allowed to dry prior to application of base sheet (when optional vapor barrier is not present).

Base Sheet: Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet, GAFGLAS® #80 Ultima Base Sheet, Ruberoid® 20, Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5, or Ruberoid® Mop Plus Smooth directly to the primed deck. Adhere with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.
Or
GAFGLAS® Stratavent® Eliminator™ Perforated Venting Base Sheet loose laid dry, followed by a mopped ply sheet listed below.

Ply Sheet: (Optional, required when used with Ruberoid® 20 or GAFGLAS® Stratavent® Eliminator™ Perforated Venting Base Sheet). One or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4 or GAFGLAS® FlexPly™ 6 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Cap Sheet: (Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet, Tri-Ply® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ BUR Mineral Surface Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Surfacing: **Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. Fibered Aluminum Roof Coating applied accordance with manufacturer's instructions.

Maximum Design Pressure: -90 psf. (See General Limitation #9.)

Membrane Type: BUR

Deck Type 3: Concrete Decks, Non-Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type F(2): Base sheet adhered with approved asphalt.

All General and System Limitations shall apply.

Vapor Barrier: (Optional) Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, Ruberoid® 20 or Ruberoid® Dual Smooth mopped directly to deck primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer. The primer must be allowed to dry then the vapor barrier is adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Note: Concrete deck shall be primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer and allowed to dry prior to application of base sheet.

Base Sheet: Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet, GAFGLAS® #80 Ultima Base Sheet, Ruberoid® 20, Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5, Ruberoid® Mop Plus Smooth directly to the primed deck. Adhere with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Ply Sheet: One or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4 or GAFGLAS® FlexPly™ 6 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Cap Sheet: (Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet, Tri-Ply® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ BUR Mineral Surface Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Surfacing: **Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. Fibered Aluminum Roof Coating applied accordance with manufacturer's instructions.

Maximum Design Pressure: -457.5 psf. (See General Limitation #9.)

Membrane Type: BUR

Deck Type 3: Concrete Decks, Non-Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type F(3): Base sheet GAFGLAS® Stratavent® Eliminator™ Perforated Venting Base Sheet is loose laid dry.

All General and System Limitations shall apply.

Vapor Barrier: (Optional) Install one or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, Ruberoid® 20 or Ruberoid® Dual Smooth mopped directly to deck primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer. The primer must be allowed to dry then the vapor barrier is adhered with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Note: Concrete deck shall be primed with ASTM D41 asphalt primer or Matrix™ 307 Premium Asphalt Primer and allowed to dry prior to application of base sheet (when optional vapor barrier is not present).

Base Sheet: Over a primed concrete deck (when vapor barrier is not present) one ply of GAFGLAS® Stratavent® Eliminator™ Perforated Venting Base Sheet, loose laid dry.

Ply Sheet: Two plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4 or GAFGLAS® FlexPly™ 6 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Cap Sheet: One ply of GAFGLAS® Mineral Surfaced Cap Sheet, Tri-Ply® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ BUR Mineral Surface Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. in accordance with manufacturer's instructions.

Surfacing: **Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. Fibered Aluminum Roof Coating applied accordance with manufacturer's instructions.

Maximum Design Pressure: -185 psf. (See General Limitation #9.)

CONCRETE DECK SYSTEM LIMITATIONS:

1. If mechanical attachment to the structural deck through the lightweight insulating concrete is proposed, a field withdrawal resistance testing shall be performed to determine equivalent or enhanced fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117, calculations shall be signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant.

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer.
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used, the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each side lap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq.
   Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, is below 275 lbf., insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE

MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

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

Carlisle Roof Foam and Coatings
100 Enterprise Drive
Cartersville, GA 30120

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: Premiseal™ or RoofTite Spray Polyurethane Roofing Foam over Concrete Decks

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

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

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

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

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

This NOA renews and revises NOA No. 14-0512.03 and consists of pages 1 through 4.
The submitted documentation was reviewed by Jorge L. Acebo.

MIAMI-DADE COUNTY APPROVED

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	Spray Applied Polyurethane Roof System
Materials:	Polyurethane
Deck Type:	Concrete
Maximum Design Pressure:	**-502.5 psf**

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

Product	Dimensions	Test Specifications	Product Description
Premiseal™ 60	2.8 lb./ft^3 density	TAS 110	Two-component spray applied polyurethane foam intended for roofing applications.
RoofTite 60 SPF	2.8 lb./ft^3 density	TAS 110	Two-component spray applied polyurethane foam intended for roofing applications.

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Name/Report	Date
Atlantic & Caribbean Roof Consulting, LLC	TAS 114 D	ACRC 14-016	04/29/14
FM Approvals	4470	003047138	08/28/13
PRI Construction Materials Technologies, LLC	TAS 110	PSP-002-02-03	12/11/14
UL LLC	UL 790	TGFU.R26705	11/16/19

APPROVED ASSEMBLIES:

Deck Type 3: Concrete

Deck Description: Min. 2500 psi structural concrete deck.

System Type A: Sprayed polyurethane foam covered with a Miami-Dade County approved roof coating.

All General and System Limitations apply.

Surface Preparation: Deck shall be primed with an approved primer, if required, in accordance to Carlisle Roof Foam and Coating's and coating manufacturers' recommendations, and shall be free of loose dirt, grease, oil or other contaminants prior to priming or foam application. Remove loose dirt or debris by use of compressed air, vacuum or brooming. No washing shall be permitted. Oil, grease, release agents or other contaminants shall be removed with proper cleaning solutions.

All primers must be thoroughly dry and cured prior to foam application.

All joint openings in concrete decks that exceed $^1/_8$" shall be grouted or caulked in accordance to Carlisle Roof Foam and Coating's manufacturer's recommendations.

Polyurethane Foam Application: The polyurethane foam shall be applied uniformly over the entire surface at the specified thickness, in no case shall it be less than 1", in compliance with the requirements set forth Roofing Application Standard RAS 109. The sprayed polyurethane foam shall be feathered at the edges to produce a smooth transition.

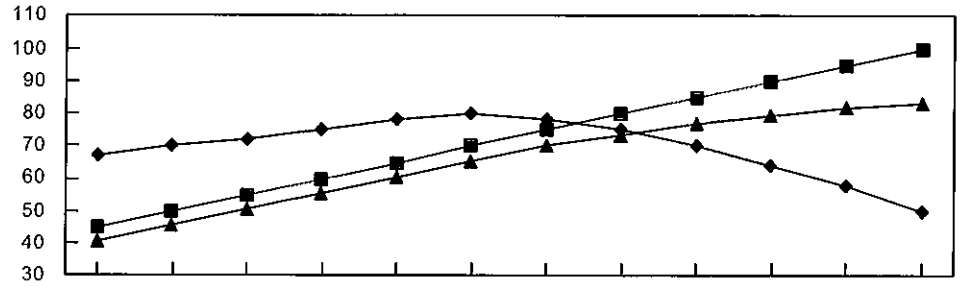
Protective Coating Application: Apply a Miami-Dade County approved roof coating with a current NOA that is compatible with this system and is applied in accordance with the guidelines listed in the product's NOA.

The polyurethane foam surface shall be free of moisture, dust, debris, oils, tars, grease or other materials that will impair adhesion of the protective coverings. Any damage or defects to the polyurethane foam surface shall be repaired prior to the coating application. The base coat shall be applied the same day as the foam when possible. If more than 72 hours elapse prior to the application of the base coat, the polyurethane foam shall be inspected for UV degradation.

Maximum Design Pressure: -502.5 psf. (See General Limitation # 6)

TABLE 1
AMBIENT HUMIDITY APPLICATION LIMITS
SPRAYED POLYURETHANE FOAM

Premiseal™ 60 or RoofTite 60 SPF
Air Temp/ Humidity/ Dew Point Guideline



	45	67	40.5	50	70	45.5	55	72	50.5	60	75	55.5
■ Air	45	50	55	60	65	70	75	80	85	90	95	100
◆ Hui	67	70	72	75	78	80	78	75	70	64	58	50
▲ De	40.5	45.5	50.5	55.5	60.5	65.5	70	73.5	77	79.5	82	83

Dew point and relative humidity for given dry bulb temperature.

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Spray polyurethane foam shall not be sprayed when ambient temperature is within 5 degrees of the dew point. Ambient humidity applications limits shall be as listed in Table 1 herein. Contractor shall monitor and record environmental conditions in the Job Log in compliance with RAS 109. Job Log shall be maintained at the job site and accessible to the Building Official.
3. Flashings and waterproof coverings for expansion joints shall be of compatible materials and in accordance with Carlisle Roof Foam and Coatings' published literature.
4. Miscellaneous materials such as adhesives, elastomeric caulking compounds, metal, vents and drains shall be a composite part of the roof system and shall be compatible with the foam and coating.
5. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and applicable wind load requirements.
6. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners).
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.

END OF THIS ACCEPTANCE