AFFIDAVIT OF COMPLIANCE WITH ROOF DECKING ATTACHMENT & SECONDARY WATER BARRIER HURRICANE MITIGATION RETROFIT FOR EXISTING SITE-BUILT SINGLE FAMILY RESIDENTIAL STRUCTURES
Pursuant to Section 553.844 F.S.

Date:_____   Attached to Permit Number:_____

To: The Town of Golden Beach
Building & Zoning Department
1 Golden Beach Drive
Golden Beach, Florida 33160

From: _____

_____

_____

Re: Property Address:_____
Property Owner:_____

I,_____, qualifying agent for_____
_____, certify that ___a) The roof decking, attachments and fasteners have been strengthened, corrected, and a secondary water barrier has been provided as required by the "Manual of Hurricane Mitigation Retrofits for Existing Site-Built Single Family Structures" adopted by the Florida Building Commission by Rule 9B-3-047 F.A.C. or ___b) The roof decking, attachments and fasteners will be strengthened, corrected, and a secondary water barrier will be provided, as part of this permit and as required by the "Manual of Hurricane Mitigation Retrofits for Existing Site-Built Single Family Structures" adopted by the Florida Building Commission by Rule 9B-3-047 F.A.C.

Company Name:_____

_____
Qualifying Agent Signature
Print Name:_____
License No.:_____

Personally appeared before me_____, who stated he is
the qualifying agent for _____, and who did take
an oath, swearing to the above affidavit.

Sworn to and subscribed before me this_____, day of_____, 2009

_____   Supplied Identification:_____
Notary Public State of Florida at Large   Personally Known:_____
Commission Expires:

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

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

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

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

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

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

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

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

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

_____   _____/_____/_____   _____
Owner's/Agent's Signature   Date   Contractor's Signature

SECTION 1525
HIGH-VELOCITY HURRICANE ZONES UNIFORM PERMIT APPLICATION
Florida Building Code Edition 2004
High-Velocity Hurricane Zone Uniform Permit Application Form.

INSTRUCTION PAGE

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

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

ATTACHMENTS REQUIRED:

1.	Fire Directory Listing Page
2.	From Product Approval: Front Page Specific System Description Specific System Limitations General Limitations Applicable Detail Drawings
3.	Design Calculations per Chapter 16, or If Applicable, RAS 127 or RAS 128
4.	Other Component of Product Approval
5.	Municipal Permit Application
6.	Owners Notification for Roofing Considerations (Reroofing Only)
7.	Any Required Roof Testing/Calculation Documentation

SECTION A (General Information)

Master Permit Number: _____   Process Number: _____

Contractor's Name: _____

Job Address: _____

ROOF CATEGORY

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

☐   **Asphalt Shingle**   ☐   **Metal Panel/Shingles**   ☐   **Wood Shingles/Shakes**

                 ☐   **Prescriptive BUR-RAS 150**

ROOF TYPE

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

ROOF SYSTEM INFORMATION
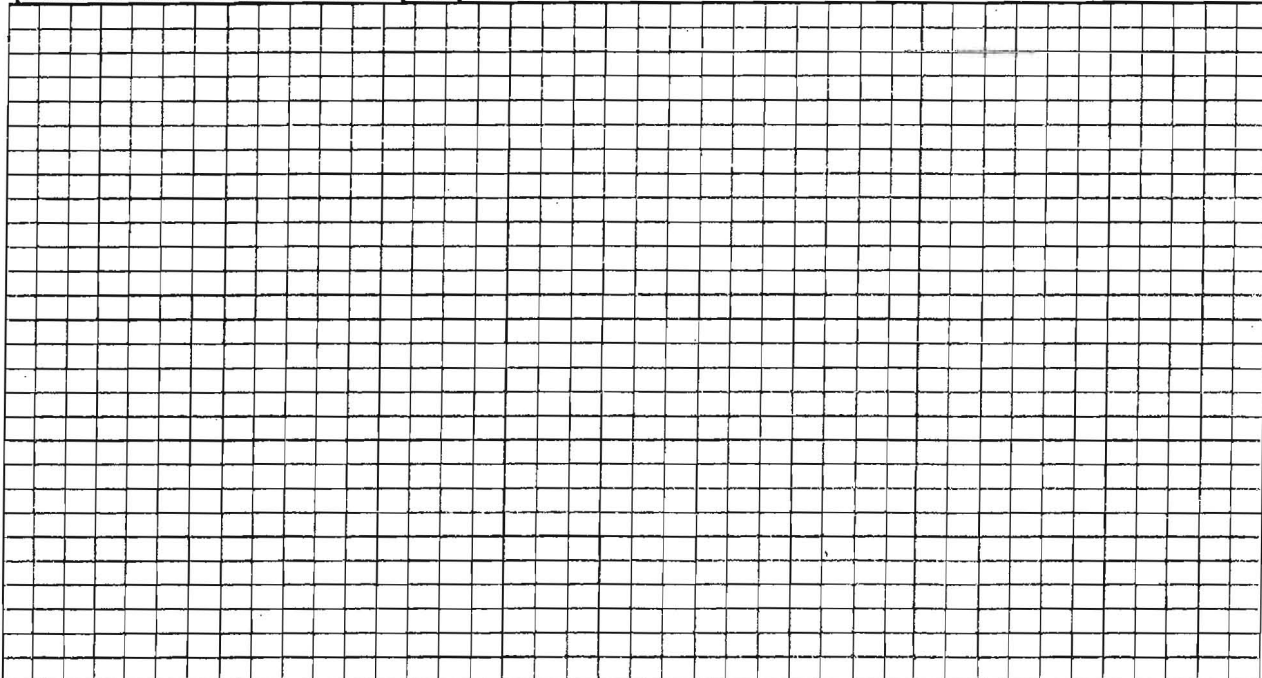
Low Slope Roof Area (S/F)   **Steep Slope Roof Area (S/F)**   **Total (S/F)**

_____   _____   _____

ROOF SYSTEM INFORMATION

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

Section D (Steep Slope Roof System)

Roof System Manufacturer: _____

Notice of Acceptance Number: _____

Minimum Design Wind Pressures, If Applicable (From RAS 127 or Calculations):

P1: _____   **P1:** _____   **P1:** _____

Maximum Design Pressure (From the NOA Specific System): _____

Method of Tile Attachment: _____

Steep Slope Roof System Description

Deck Type: _____

Type Underlayment: _____

Roof Slope:

_____ : 12

Insulation: _____

Fire Barrier: _____

Ridge Ventilation?

_____

−

Fasterner Type & Spacing: _____

Adhesive Type: _____

Type Cap Sheet: _____

Mean Roof Height:

_____

Roof Covereing: _____

Type & Size Drip Edge: _____

Section E (Tile Calculations)

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

Method 1 "Moment Based Tile Calculations Per RAS 127"

(P1: _____ X λ _____ equals _____) minus Mg: _____ equals Mr1 _____ NOA Mf _____

(P2: _____ X λ _____ equals _____) minus Mg: _____ equals Mr1 _____ NOA Mf _____

(P3: _____ X λ _____ equals _____) minus Mg: _____ equals Mr1 _____ NOA Mf _____

Method 2 "Simplified Tile Calculation Per Table Below"

Required Moment of Resisitance (Mr) From below: _____ NOA Mr _____

Mr Required Moment Resistence*

Mean Roof Height → / Roof Slope ↓	15'	20'	25'	30'	40'
2:12	30.7	33.4	35.7	37.7	40.7
3:12	28.7	31.3	33.4	35.2	38.1
4:12	26.6	28.9	30.9	32.6	35.2
5:12	24.5	26.7	28.5	30.0	32.5
6:12	22.5	24.5	26.2	27.6	29.8
7:12	20.8	22.6	24.1	25.4	27.5

* Must be used in conjunction with a list of moments based tile system endorsed by the Broward County Board of Rules and Appeals.

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

Method 3 "Uplift Based Tile Calculations Per RAS 127"

(P1: _____ X l: _____ equals _____ X w: _____ equals _____) minus W: _____ X cos θ: _____ equals Fr1: _____ NOA F' _____

(P2: _____ X l: _____ equals _____ X w: _____ equals _____) minus W: _____ X cos θ: _____ equals Fr1: _____ NOA F' _____

(P3: _____ X l: _____ equals _____ X w: _____ equals _____) minus W: _____ X cos θ: _____ equals Fr1: _____ NOA F' _____

Where to Obtain Information		
DESCRIPTION	**SYMBOL**	**WHERE TO FIND**
Design Pressure	P1, P2 or P3	RAS 127 Table 1 or by an engineering analysis prepared by PE based on ASCE 7
Mean Roof Height	H	Job Site
Roof Slope	θ	Job Site
Aerodynamic Multiplier	λ	NOA
Restoring Moment due to Gravity	Mg	NOA
Attachment Resistance	Mf	NOA
Required Moment Resistance	Mr	Calculated
Minimum Attachment Resistance	F'	NOA
Required Uplift Resistance	Fr	Calculated
Average Tile Weight	W	NOA
Tile Dimensions	l = length / w = width	NOA
All calculations must be submitted to the Building Official at the time of permit application.		