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
_____	_____	
Property Address	Permit Number	

Rev:1/20/2005,Computer Services, Building Department

INSTRUCTION PAGE

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

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

ATTACHMENTS REQUIRED

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

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

Section A (General Information)

Master Permit No.

Process No.

Contractor's Name:

Job Address:

Roof Category

- Low Slope
- Asphaltic Shingles
- Prescriptive BUR-RAS 150
- Mechanically Fastened Tile
- Metal Panel/Shingles
- Other:
- Mortar/Adhesive Set Tile
- Wood Shingles/Shakes

Roof Type

New Roof Re-Roofing Recovering Repair Maintenance

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

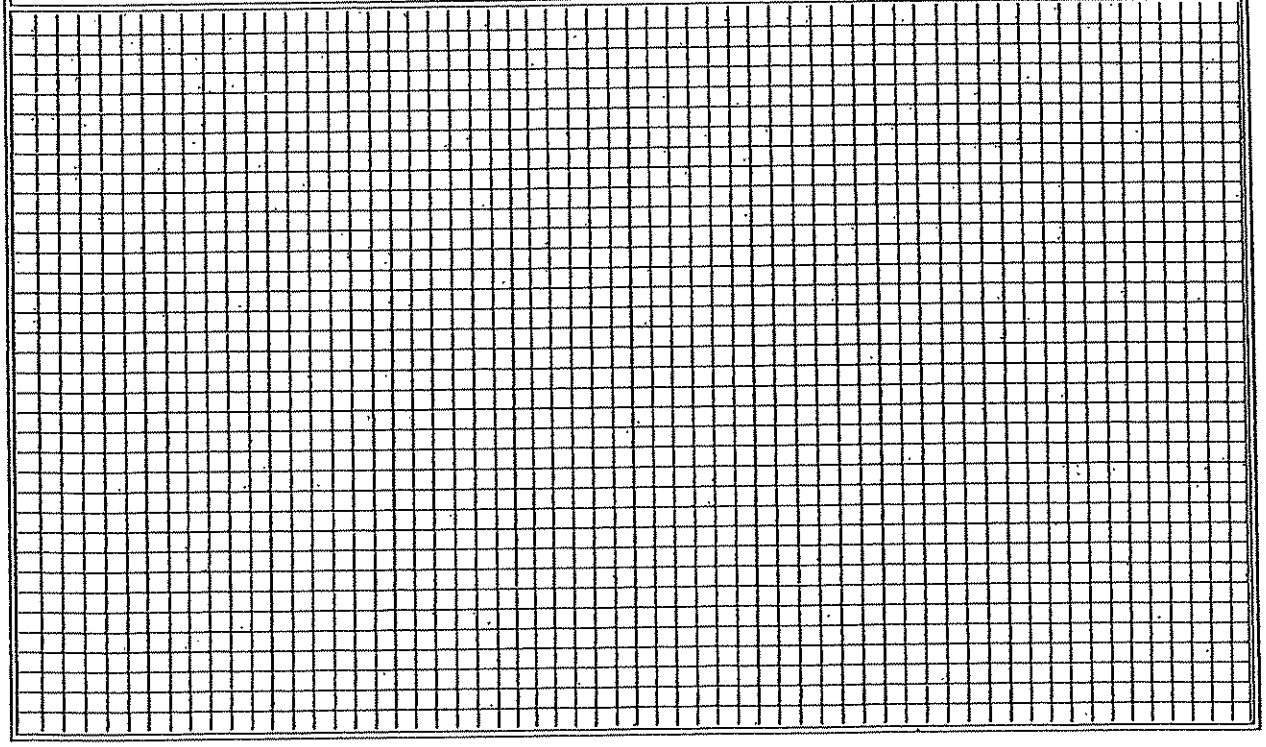
Roof System Information

Low slope roof area (ft^2): Steep Sloped area (ft^2): Total (ft^2):

Section B (Roof Plan)

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

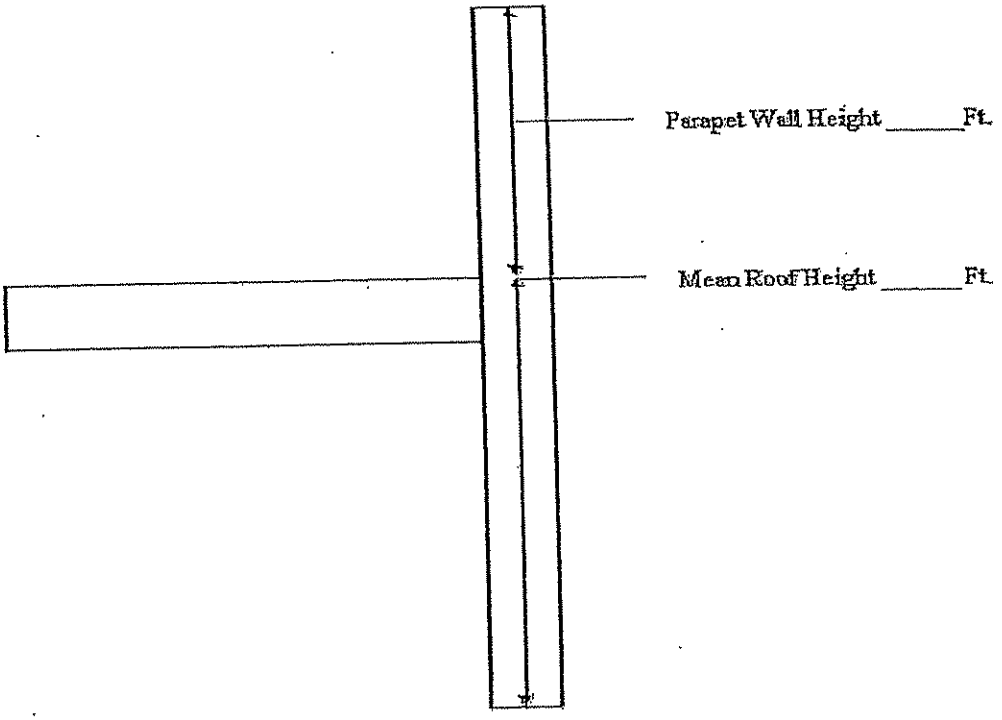
Perimeter Width (a'): Corner Size (a' x a'):



Illustrate Components Noted and Details as Applicable:
Woodblocking, Gutter, Edge Terminations/Stripping/Flashing, Continuous Cleat, Cant Strip, Base Flashing,Counterflashing, Coping, Etc.

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

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



Section C (Low Sloped Roof System)

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

Roof System Manufacturer:

NOA No: | System Type:

Wind Uplift Pressures, From RAS 128 or Sealed Calculations:

(P1) Field: psf (P2) Perimeters: psf

(P3) Corners: psf

Maximum Design Pressure, From the Specific NOA System: psf

Deck type: 5/8" Plywood

*** These decks require a fastener pull test by an approved test laboratory**

Other Deck Type:

Deck Support Spacing:

Slope: :12

Fire or Vapor Barrier:

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

Anchor/Base Sheet Fastener/Bonding Material:

Insulation Base Layer Size & Thickness:

Insulation Base Layer Fastener/Bonding Material:

Insulation Top Layer Size & Thickness:

Insulation Top Layer Fastener/Bonding Material:

Wood Nailer:

Wood Nailer Fastener Type and Spacing:

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

Base Sheet Fastener/Bonding Material:

Ply Sheet(s) & No. of Ply(s):

Ply Sheet Fastener/Bonding Material:

Top Ply:

Top Ply Fastening/Bonding Material:

Surfacing:

Single Ply membrane:

Single Ply Sheet Width: 1/2 sheet width:

No. of Single Ply 1/2 sheets:

Single Ply Membrane Fastening/Bonding Material:

Drip/GS Edge Metal Size & Gauge or weight: N/A

Drip/GS Material Type: N/A

Drip/GS Hook Strip/Cleat Metal gauge or weight: N/A

Parapet Coping Metal Size & Gauge or weight: N/A

Coping Material Type: N/A

Parapet Hook Strip/Cleat Metal gauge or weight: N/A

FASTENER SPACING FOR BASESHEET ATTACHMENT

1. Field: " o/c @ laps & rows @ " o
2. Perimeter: " o/c @ laps & rows @ " o
3. Corners: " o/c @ laps & rows @ " o

NUMBER OF FASTENERS PER INSULATION BOARD

Field: | Perimeter: | Corner:

Fastener Type :

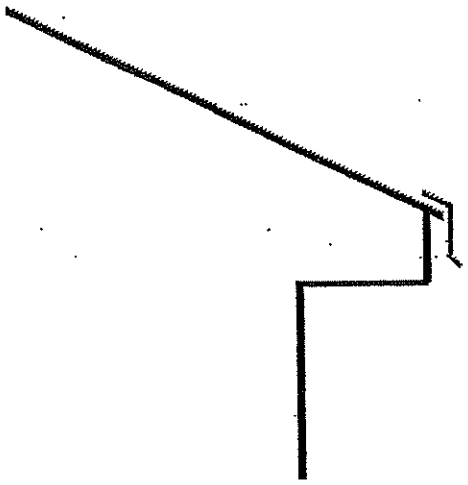
N/A

Alternate Fastener:

Section D (Steep Sloped Roof System)

Roof System Manufacturer:	
Notice of Acceptance Number:	
Minimum Design Wind Pressures, If Applicable (from RAS 127 or Calculations):	
P 1:	P 2: P 3:
Maximum Design Wind Pressures, (From the PCA Specific system):	

Sloped System Description



Roof Slope: /12"

Roof Mean Height:

Ridge Ventilation:

Method of Tile Attachment: N/A

Alternate Tile Attachment Method:

Clip Spacing for Metal Roof Panels

Field: Perimeters: Corners:

Perimeter Width:

Deck Type: 5/8" Plywood

Alternate Deck Type:

Underlayment type:

Insulation/Fire Barrier Board:

Optional Nailable Substrate:

Fasteners:

Cap Sheet Type/Adhesive Type:

Roof Covering:

Roof Covering Attachment Method:

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

Drip Edge Material Type: Galvinized Metal

Drip Edge Fastener Type:

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

Section E (Tile Calculations)

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

Method 1 "Moment Based Tile Calculations Per RAS 127"

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

Method 2 "Simplified Tile Calculation Per Table Below"

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

Mr Required Moment Resistance*

Mean Roof Height in Feet	15'	20'	25'	30'	40'
Roof Slope	↓	↓	↓	↓	↓
2:12	34.4	36.5	38.2	39.7	42.2
3:12	32.2	34.4	36.0	37.4	39.8
4:12	30.4	32.2	33.8	35.1	37.3
5:12	28.4	30.1	31.6	32.8	34.9
6:12	26.4	28.0	29.4	30.5	32.4
7:12	24.4	25.9	27.1	28.2	30.0

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

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

Method 3 "Uplift Based Tile Calculations Per RAS 127"

(P1: ____ × l: ____ = ____ × w: ____) - W: ____ × cos θ: = Fr1 ____

NOA F' ____

(P2: ____ × l: ____ = ____ × w: ____) - W: ____ × cos θ: = Fr2 ____

NOA F' ____

(P3: ____ × l: ____ = ____ × w: ____) - W: ____ × cos θ: = Fr3 ____

NOA F' ____

Where to Obtain Information

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

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

AFFIDAVIT OF COMPLIANCE WITH ROOF DECKING ATTACHMENT AND SECONDARY WATER BARRIER HURRICANE MITIGATION RETROFIT FOR EXISTING SITE-BUILT SINGLE FAMILY RESIDENTIAL STRUCTURES PURSUANT TO SECTION 553.844 F.S.

_____

To: VILLAGE OF PALMETTO BAY
Building & Capital Projects Department
9705 E. Hibiscus Street
Palmetto Bay, FL 33157

Re: Owner's Name _____

Property Address _____

Roofing Permit Number _____

Dear Building Official:

I _____ certify that the roof decking attachment and fasteners have been strengthened and 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.

Qualifying Agent

_____
Signature of Qualifying Agent

_____
Print Name

STATE OF FLORIDA COUNTY OF MIAMI-DADE

Sworn to and subscribed before me this _____

day of _____, 20_____,

(SEAL)

____ Personally known
____ or Produced Identification

OWNER'S AFFIDAVIT OF EXEMPTION

ROOF TO WALL CONNECTION HURRICANE MITIGATION RETROFIT FOR EXISTING SITE- BUILT SINGLE FAMILY RESIDENTIAL STRUCTURES PURSUANT TO SECTION 553.844 F.S.

To: Community Development Department- Building & Permitting Division
8950 SW 152nd Street
Palmetto Bay, Fl 33157

Re: Owner's Name:
Property Address:
Roofing Permit Number:

Dear Building Official:

I _____ certify that I am not required to retrofit the roof to wall connections of my residence because:

_____ The just valuation for the structure for purposes of ad valorem taxation in less than $300,000.00 or the insured amount does not exceed $300,000.00 (Provide copy of Insurance)

_____ The Building was constructed in compliance with the provisions of the Florida Building Code (FBC) or with the provisions of the 1994 edition of the South Florida Building Code (1994 SFBC).

_____
Signature of Property Owner

_____
Print Name

STATE OF FLORIDA COUNTY OF MIAMI-DADE

Sworn to and subscribed before me this _____

Day of _____, 20 _____.

_____ Personally Known
_____ Or Produced Identification

When the just valuation of the structure for purposes of ad valorem taxation is equal to or more than $300,000.00, and the building was not constructed in compliance with the FBC nor with 1994 SFBC and affidavit of Roof to Wall Connection Hurricane Mitigation Retrofit must be provided.