



WILTON MANORS, *Island City*

2020 WILTON DRIVE, WILTON MANORS, FLORIDA 33305

COMMUNITY DEVELOPMENT SERVICES

(954) 390-2180 FAX: (954) 567-6069

RE-ROOFING

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RE-ROOFING

Commercial

Residential

GENERAL INFORMATION:

Per the 2007 Florida Building Code High Velocity Hurricane Zone Requirements, following is a brief summary of the changes for **Roofing**:

1. **Commercial Roofing** requirements will be from **Chapter 15 of the 2007 Florida Building Code** and the supplemental **“Test Protocols for High Velocity Hurricane Zones.”** **Residential Roofing** requirements will be from **Section R4402 of the 2007 Florida Building Code** and the supplemental **“Test Protocols for High Velocity Hurricane Zones.”**
2. **“The High Velocity Hurricane Zone Uniform Permit Application”** form is required for every roof permit issued. (See attached.)
3. All roofing work done shall be in accordance with the **Dade County and State of Florida Notices of Acceptance and Roof Application Standards (R.A.S.).**
4. Other components such as roof vents and roof stands (turbines) must have **Notices of Acceptance/Product Approvals** at time of permit.
5. Product Approval.
6. Gutters are required to be added to all roofs having a six (6) inch or less overhang eave.
7. All Re-roofs require an **“Owners Notification for Roofing Consideration”** form filed at time of permit. (See attached.)
8. Tile roofing permits require uplift calculations using method 1, 2, or 3 of Section E in the **Uniform Permit Application.**
9. All nails used for roofing are to be ringshank and meet **ASTM G85 standards** for corrosion resistance.
10. Adhesive set and mortar set tile roofs require uplift test to be performed before final approval.
11. Re-nail affidavits or specific re-nail of sheathing inspections are not required in the new code.
12. Hot mop inspections are required in progress for all deck types.
13. Shingle roofs cannot be applied to roofs over 33 feet in mean height unless allowed by N.O.A.
14. The only prescriptive roof system allowed shall be in accordance with **R.A.S. 150 “Built-up Roof Standard.”**
15. **You will need to purchase a copy of the 2007 Residential Florida Building Code and “Test Protocols for High Velocity Hurricane Zones” to understand all requirements.**
16. When one or more inspections are missed, contractor/homeowner must get a signed and sealed letter from an engineer stating that inspections were done and passed up to the final. Then the final inspection must be submitted online, faxed or dropped off prior to **4:30 PM** for the next business day.
17. For commercial roofs, contractors must submit a “Responsibility of Abestos” form to Broward County Environmental Protection & Growth Management Department.
18. For residential roofs, homeowners may only pull a permit for shingle-type roofs.

INSPECTIONS:

Inspections must be submitted online, faxed or dropped off prior to **4:30 PM** for the next business day.

Signature of Applicant

Date

Printed Name of Applicant



**ROOFING CONTRACTOR
AFFIDAVIT**

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**ROOFING CONTRACTOR AFFIDAVIT
ROOF SHEATHING, TIN TAG AND ROOF METAL INSTALLATION
(FOR EXISTING BUILDINGS ONLY)**

TO: City of Wilton Manors Community Development Services Department

RE: Permit #: _____
Job Address: _____
Subdivision/Plaza: _____

From: _____ (Contractor)
_____ (Address)
_____ (Property Owner)
_____ (Address)

Certification Selection:

- Certification of re-nailing roof sheathing
- Certification of tin tag and roof metal installation
- Other: _____

I, _____, am certified as a roofing contractor and do hereby certify that all roof work indicated above will be performed at the above address in accordance with Chapters 15, 16 and 23 of the Florida Building Code. Photographs are being provided that clearly depict each step of the work.

Signature of Qualifier License # Date

Sworn and Subscribed Before Me This _____ Day of _____, _____.

SEAL

Notary Public My Commission



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Section 1524

HIGH VELOCITY HURRICANE ZONES - REQUIRED OWNERS NOTIFICATION FOR ROOFING CONSIDERATIONS

1524.1 Scope. 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 this chapter 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 designated space indicates that the item has been explained.

1. _____ Railing wood decks. When replacing roofing, the existing wood roof deck may have to be railed in accordance with the current provisions of Chapter 16 (High-Velocity Hurricane Zones) of this code. (The roof deck is usually concealed prior to removing the existing roof system.)
2. _____ 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 owner provides the option of maintaining this appearance.
3. _____ Overflow scuppers (wall outlets). It is required that rainwater flow off so that the roof is not overloaded from a buildup 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 requirements of Chapter 15 and 16 herein and the Florida Building Code, Plumbing.

Owner's/Agent's Signature

Date

Contractor's Signature

**SECTION 1525
HIGH-VELOCITY HURRICANE ZONES UNIFORM PERMIT APPLICATION**

Florida Building Code 5th Edition (2014)
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

Florida Building Code 5th Edition (2014)

High-Velocity Hurricane Zone Uniform Permit Application Form.

Section A (General Information)

Master Permit No. _____ Process No. _____

Contractor's Name _____

Job Address _____

ROOF CATEGORY

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

ROOF TYPE

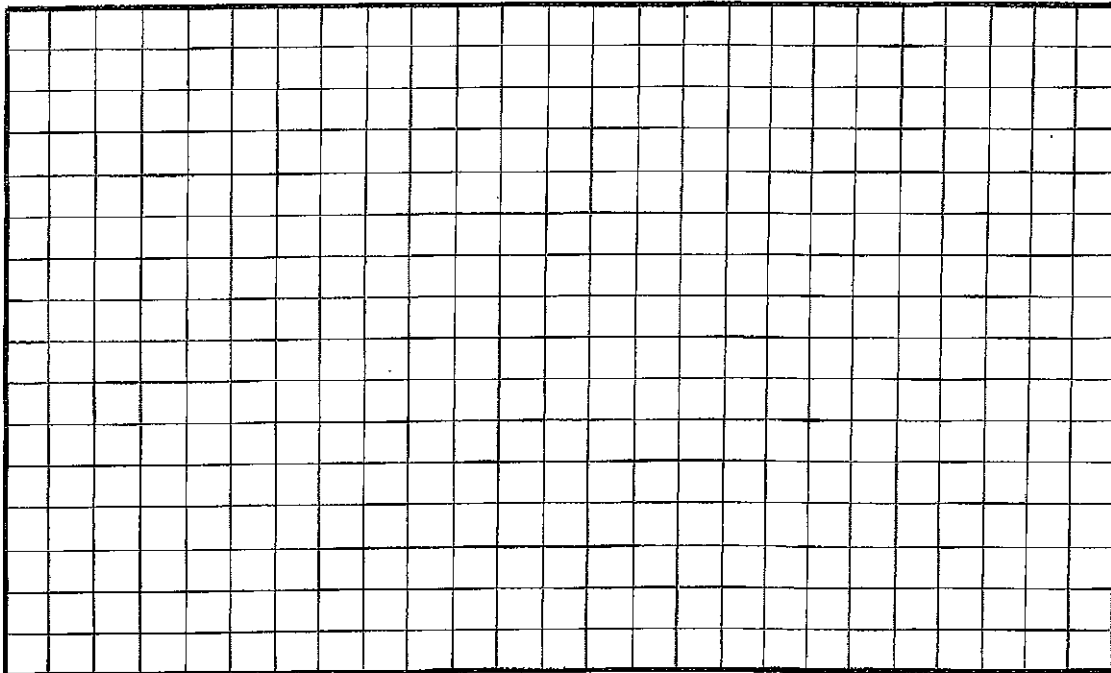
- New roof
- Repair
- Maintenance
- Reroofing
- Recovering

ROOF SYSTEM INFORMATION

Low Slope Roof Area (SF) _____ Steep Sloped Roof AREA (SSF) _____ Total (SF) _____

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.



**Florida Building Code 5th Edition (2014)
High-Velocity Hurricane Zone Uniform Permit Application Form.**

Section C (Low Slope Application)

Fill in specific roof assembly components and identify manufacturer
(If a component is not used, identify as "NA")

System Manufacturer: _____

Product Approval No.: _____

Design Wind Pressures, From RAS 128 or Calculations:

P1: _____ P2: _____ P3: _____

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

Deck:
Type: _____
Gauge/Thickness: _____
Slope: _____

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

Anchor/Base Sheet Fastener/Bonding Material: _____

Insulation Base Layer: _____

Base Insulation Size and Thickness: _____

Base Insulation Fastener/Bonding Material: _____

Top Insulation Layer: _____

Top Insulation Size and Thickness: _____

Top Insulation Fastener/Bonding Material: _____

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

Base Sheet Fastener/Bonding Material: _____

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

Ply Sheet Fastener/Bonding Material: _____

Top Ply: _____

Top Ply Fastener/Bonding Material: _____

Surfacing: _____

Fastener Spacing for Anchor/Base Sheet Attachment:

Field: _____" oc @ Lap, # Rows _____ @ _____" oc

Perimeter: _____" oc @ Lap, # Rows _____ @ _____" oc

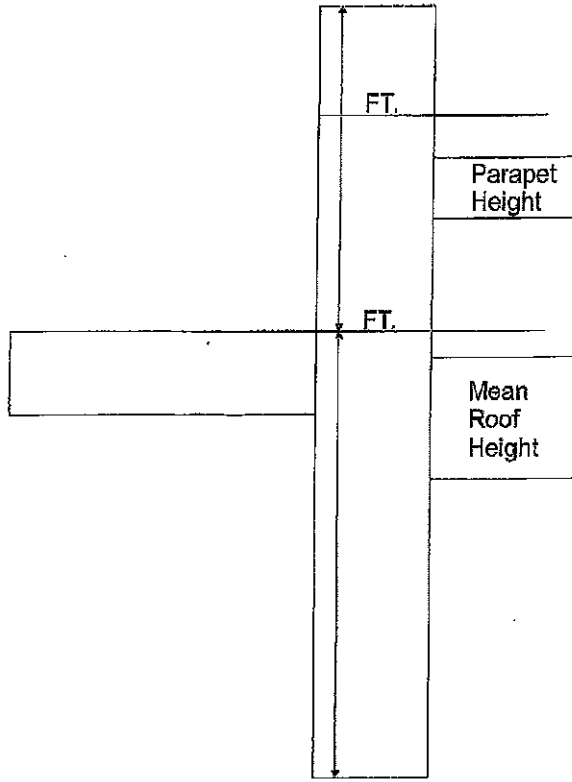
Corner: _____" oc @ Lap, # Rows _____ @ _____" oc

Number of Fasteners Per Insulation Board:

Field _____ Perimeter _____ Corner _____

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

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



Florida Building Code 5th Edition (2014)
High-Velocity Hurricane Zone Uniform Permit Application Form

Section D (Steep Sloped Roof System)

Roof System Manufacturer: _____

Notice of Acceptance Number: _____

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

P1: _____ P1: _____ P1: _____

Roof Slope:
_____: 12

Ridge Ventilation?

Mean Roof Height: _____

Deck Type: _____

Type Underlayment: _____

Insulation: _____

Fire Barrier: _____

Fastener Type & Spacing: _____

Adhesive Type: _____

Type Cap Sheet: _____

Roof Covering: _____

Type & Size Drip
Edge: _____

Florida Building Code 5th Edition (2014)

High-Velocity Hurricane Zone Uniform Permit Application Form.

Section E (Tile Calculations)

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

Method 1 "Moment Based Tile Calculations Per RAS 127"

$$(P1: \quad \times \lambda \quad = \quad) - Mg: \quad = M_{r1} \quad \text{Product Approval } M_i \quad$$

$$(P2: \quad \times \lambda \quad = \quad) - Mg: \quad = M_{r2} \quad \text{Product Approval } M_i \quad$$

$$(P3: \quad \times \lambda \quad = \quad) - Mg: \quad = M_{r3} \quad \text{Product Approval } M_i \quad$$

Method 2 "Simplified Tile Calculations Per Table Below"

Required Moment of Resistance (M_r) From Table Below _____ Product Approval M_i _____

Mean Roof Height Roof Slope	M_r required Moment Resistance*				
	15'	20'	25'	30'	40'
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

*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. Compared the values for F' with the values for F_r . If the F' values are greater than or equal to the F_r values, for each area of the roof, then the tile attachment method is acceptable.

Method 3 "Uplift Based Tile Calculations Per RAS 127"

$$(P1: \quad \times L \quad = \quad \times w: = \quad) - W: \quad \times \cos \theta \quad = F_{r1} \quad \text{Product Approval } F' \quad$$

$$(P2: \quad \times L \quad = \quad \times w: = \quad) - W: \quad \times \cos \theta \quad = F_{r2} \quad \text{Product Approval } F' \quad$$

$$(P3: \quad \times L \quad = \quad \times w: = \quad) - W: \quad \times \cos \theta \quad = F_{r3} \quad \text{Product Approval } F' \quad$$

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 PE based on ASCE 7
Mean Roof Height	H	Job Site
Roof Slope	θ	Job Site
Aerodynamic Multiplier	λ	Product Approval
Restoring Moment due to Gravity	M_g	Product Approval
Attachment Resistance	M_i	Product Approval
Required Moment Resistance	M_r	Calculated
Minimum Attachment Resistance	F'	Product Approval
Required Uplift Resistance	F_r	Calculated
Average Tile Weight	W	Product Approval
Tile Dimensions	L = length W = width	Product Approval

All calculations must be submitted to the building official at the time of permit application.