



City of Wilton Manors
Community Development Services Department

2020 Wilton Drive, Wilton Manors, FL 33305
954-390-2180 Fax: 954-390-2184
www.wiltonmanors.com

RE-ROOFING

RE-ROOFING

Commercial checkbox

Residential checkbox

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...
2. The High Velocity Hurricane Zone Uniform Permit Application form is required for every roof permit issued.
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 Considerations form filed at time of permit.
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.
17. For commercial roofs, contractor must submit a Responsibility of Asbestos form to Broward County Environmental Protection & Growth Management Department.
18. For residential roofs, homeowners may only pull a permit for shingle-type roofs.

INSPECTIONS:

Inspection list will be provided when permit is issued.

All inspection requests must be called in by 2:45pm for inspection on the next Business Day.

Signature of Applicant

Date

Printed Name of Applicant



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<b>ROOFING CONTRACTOR AFFIDAVIT</b>
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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 has been 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



**Section RR4402.13**  
**HIGH VELOCITY HURRICANE ZONES – REQUIRED OWNERS NOTIFICATION**  
**FOR ROOFING CONSIDERATIONS**

**§RR4402.13 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 Section RR4402 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. **Aesthetics-Workmanship:** The workmanship provisions of Section RR4402 are for the purpose of providing that the roofing system meets the wind resistance and water intrusion performance standards. Aesthetics (appearance) 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 Section RR4402. (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. This 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 flows 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 scuppers in accordance with the requirements of Sections RR4403 and RR4413.
- \_\_\_\_\_ 7. **Ventilation:** Most roof structures should have some ability to vent natural air flow 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.

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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:**

<b>Roof System</b>	<b>Required Sections of the Permit Application Form</b>	<b>Attachments Required See List Below</b>
Low Slope Application	A,B,C	1,2,3,4,5,6,7
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

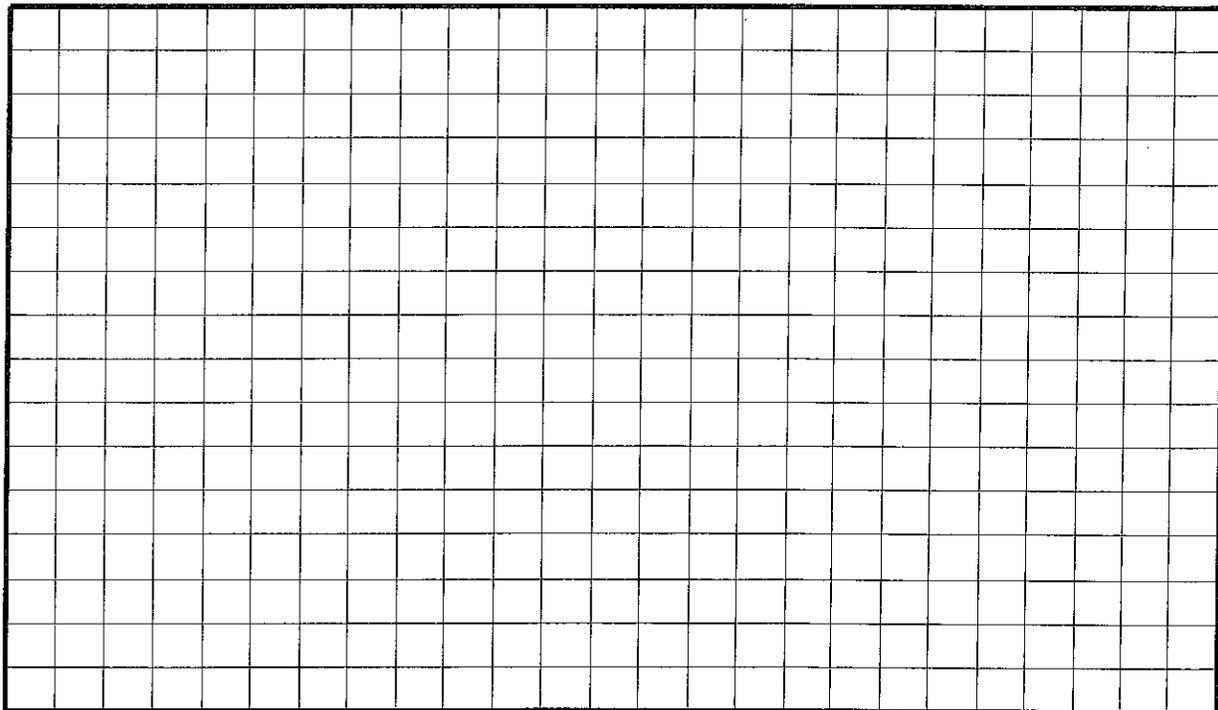
- New roof
- Repair
- Maintenance
- Reroofing
- Recovering

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

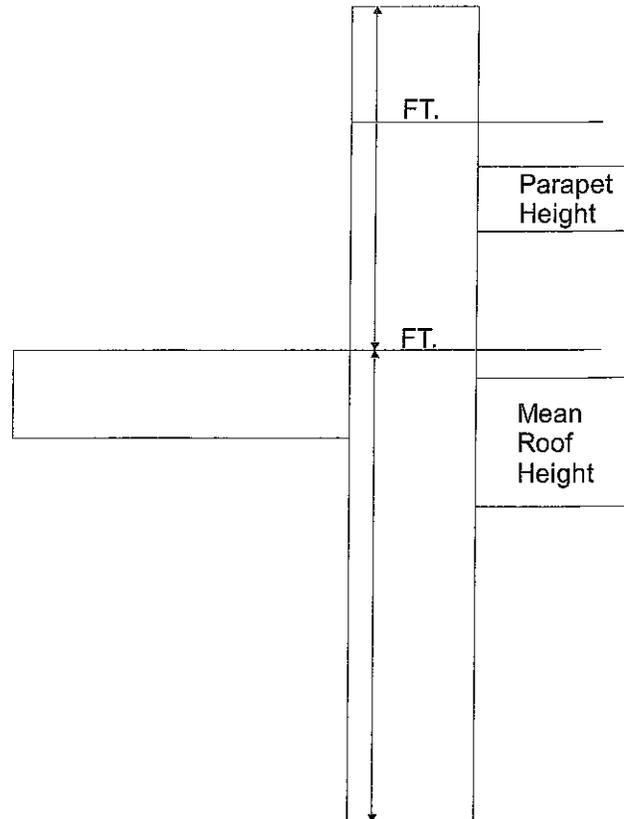
Number of Fasteners Per Insulation Board:

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: \_\_\_\_\_

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

Type Underlayment: \_\_\_\_\_

Insulation: \_\_\_\_\_

Fire Barrier: \_\_\_\_\_

Fastener Type & Spacing: \_\_\_\_\_

Adhesive Type: \_\_\_\_\_

Type Cap Sheet: \_\_\_\_\_

Roof Covering: \_\_\_\_\_

Type & Size Drip Edge: \_\_\_\_\_

Roof Slope:  
\_\_\_\_\_: 12

Ridge Ventilation?  
\_\_\_\_\_

Mean Roof Height: \_\_\_\_\_

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  $M_r$ . If the  $M_r$  values are greater than or equal to the  $M_r$  values, for each area of the roof, then the tile attachment method is acceptable.

Method 1 "Moment Based Tile Calculations Per RAS 127"

(P1:  $\text{___} \times \lambda \text{___} = \text{___}$ ) - Mg:  $\text{___} = M_{r1}$  Product Approval  $M_r$   $\text{___}$   
 (P2:  $\text{___} \times \lambda \text{___} = \text{___}$ ) - Mg:  $\text{___} = M_{r2}$  Product Approval  $M_r$   $\text{___}$   
 (P3:  $\text{___} \times \lambda \text{___} = \text{___}$ ) - Mg:  $\text{___} = M_{r3}$  Product Approval  $M_r$   $\text{___}$

Method 2 "Simplified Tile Calculations Per Table Below"

Required Moment of Resistance ( $M_r$ ) From Table Below  $\text{___}$  Product Approval  $M_r$   $\text{___}$

M <sub>r</sub> required Moment Resistance*					
Mean Roof Height Roof Slope	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:  $\text{___} \times L \text{___} = \text{___} \times w = \text{___}$ ) - W:  $\text{___} \times \cos \theta \text{___} = F'_{r1}$  Product Approval  $F'$   $\text{___}$   
 (P2:  $\text{___} \times L \text{___} = \text{___} \times w = \text{___}$ ) - W:  $\text{___} \times \cos \theta \text{___} = F'_{r2}$  Product Approval  $F'$   $\text{___}$   
 (P3:  $\text{___} \times L \text{___} = \text{___} \times w = \text{___}$ ) - W:  $\text{___} \times \cos \theta \text{___} = F'_{r3}$  Product Approval  $F'$   $\text{___}$

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	$\theta$	Job Site
Aerodynamic Multiplier	$\lambda$	Product Approval
Restoring Moment due to Gravity	$M_g$	Product Approval
Attachment Resistance	$M_r$	Product Approval
Required Moment Resistance	$M_g$	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.		

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 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 designated space 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) 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. Rerailing wood decks: When replacing roofing, the existing wood roof deck may have to be rerailed 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 owner 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 requirements of: Chapter 15 and 16 herein and 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. Exception: Attic spaces, designed by a Florida-licensed engineer or registered architect to eliminate the attic venting, venting shall not be required.

Owner's/Agent's Signature:  Date:  /  /

Contractor's Signature:  Permit Number:

Property Address: