



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.

- 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 own and the contractor.
- 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.)
- 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.
- 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.
- 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.
- 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 RR4403 and RR4413.
- 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.

 Owner's/Agent's Signature

 Date

 Contractor's Signature



ROOF ASSEMBLIES AND ROOFTOP STRUCTURES

SECTION 1525
HIGH-VELOCITY HURRICANE ZONES—UNIFORM PERMIT APPLICATION

Florida Building Code 7th Edition (2020)
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



ROOF ASSEMBLIES AND ROOFTOP STRUCTURES

**Florida Building Code 7th Edition (2020)
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

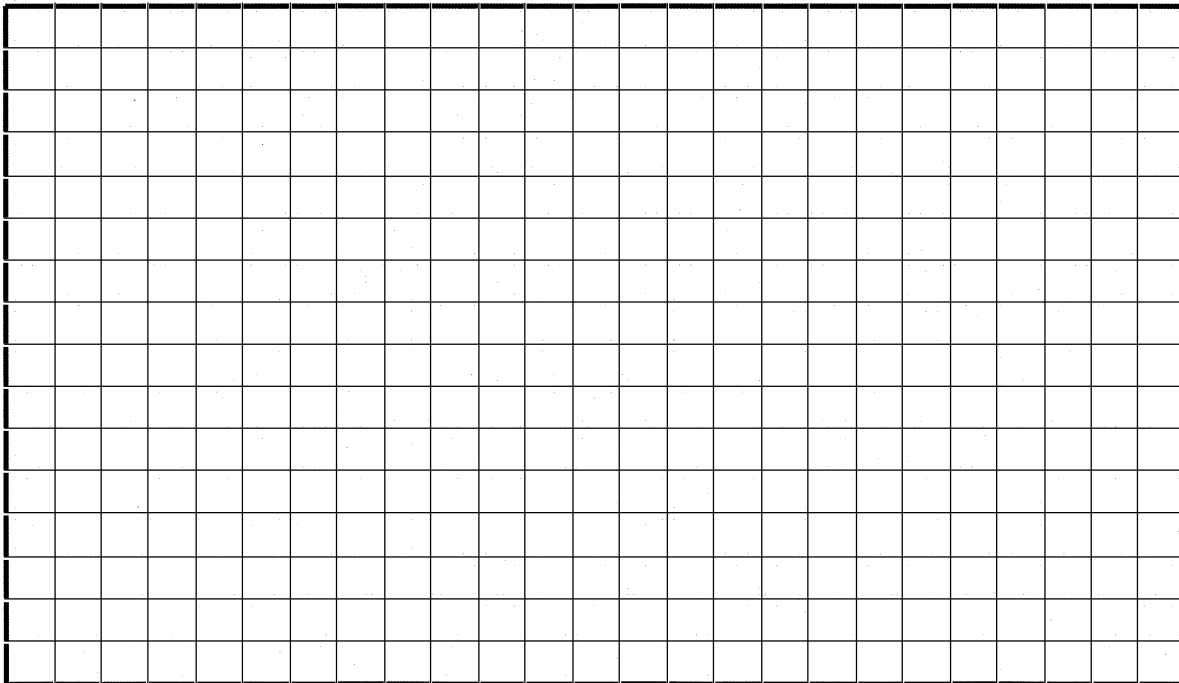
- New roof
- Repair
- Maintenance
- Reroofing
- Recovering

ROOF SYSTEM INFORMATION

Low Slope Roof Area (SF) _____ Steep Sloped Roof Area (SF) _____ 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.





ROOF ASSEMBLIES AND ROOFTOP STRUCTURES

Florida Building Code 7th Edition (2020) 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:

Zone 1': _____ Zone 1: _____ Zone 2: _____ Zone 3: _____

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:

Zone 1': _____" oc @ Lap, # Rows _____ @ _____" oc

Zone 1: _____" oc @ Lap, # Rows _____ @ _____" oc

Zone 2: _____" oc @ Lap, # Rows _____ @ _____" oc

Zone 3: _____" oc @ Lap, # Rows _____ @ _____" oc

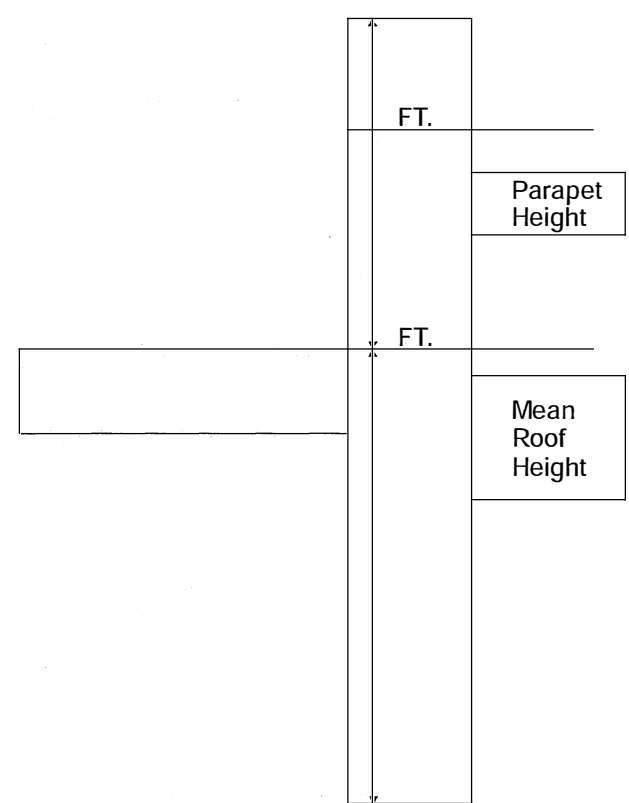
Number of Fasteners Per Insulation Board:

Zone 1': _____ Zone 1: _____ Zone 2: _____ Zone 3: _____

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.





ROOF ASSEMBLIES AND ROOFTOP STRUCTURES

Florida Building Code 7th Edition (2020)
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Section D (Steep Sloped Roof System)

Roof System Manufacturer: _____

Notice of Acceptance Number: _____

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

Zone 1: _____ Zone 2e: _____ Zone 2n: _____ Zone 2r: _____ Zone 3e: _____ Zone 3r: _____

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: _____



ROOF ASSEMBLIES AND ROOFTOP STRUCTURES

Florida Building Code 7th Edition (2020) 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_f. If the M_r values are greater than or equal to the M_f values, for each area of the roof, then the tile attachment method is acceptable.

Method 1 "Moment Based Tile Calculations Per RAS 127"

- (Zone 1: ___ x λ ___ = ___) - Mg: ___ = M_{r1} ___ Product Approval M_f ___
(Zone 2e: ___ x λ ___ = ___) - Mg: ___ = M_{r2e} ___ Product Approval M_f ___
(Zone 2n: ___ x λ ___ = ___) - Mg: ___ = M_{r2n} ___ Product Approval M_f ___
(Zone 2r: ___ x λ ___ = ___) - Mg: ___ = M_{r2r} ___ Product Approval M_f ___
(Zone 3e: ___ x λ ___ = ___) - Mg: ___ = M_{r3e} ___ Product Approval M_f ___
(Zone 3r: ___ x λ ___ = ___) - Mg: ___ = M_{r3r} ___ Product Approval M_f ___

Method 2 "Simplified Tile Calculations Per Table Below"

Required Moment of Resistance (M_r) From Table Below ___ Product Approval M_f ___

Table with 6 columns: Mean Roof Height Roof Slope, 15', 20', 25', 30', 40'. Rows include slopes 2:12, 3:12, 4:12, 5:12, 6:12, 7:12.

*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 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"

- (Zone 1: ___ x L ___ = ___ x w: = ___) - W: ___ x cos r ___ = F_{r1} ___ Product Approval F' ___
(Zone 2e: ___ x L ___ = ___ x w: = ___) - W: ___ x cos r ___ = F_{r2e} ___ Product Approval F' ___
(Zone 2n: ___ x L ___ = ___ x w: = ___) - W: ___ x cos r ___ = F_{r2n} ___ Product Approval F' ___
(Zone 2r: ___ x L ___ = ___ x w: = ___) - W: ___ x cos r ___ = F_{r2r} ___ Product Approval F' ___
(Zone 3e: ___ x L ___ = ___ x w: = ___) - W: ___ x cos r ___ = F_{r3e} ___ Product Approval F' ___
(Zone 3r: ___ x L ___ = ___ x w: = ___) - W: ___ x cos r ___ = F_{r3r} ___ Product Approval F' ___

Table titled 'Where to Obtain Information' with columns: Description, Symbol, Where to find. Rows include Design Pressure, Mean Roof Height, Roof Slope, Aerodynamic Multiplier, Restoring Moment due to Gravity, Attachment Resistance, Required Moment Resistance, Minimum Attachment Resistance, Required Uplift Resistance, Average Tile Weight, Tile Dimensions.