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Florida Building Code Edition 2007
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 Notice of Acceptance: 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 Notice of Acceptances
5.	Municipal Permit Application
6.	Owners Notification for Roofing Considerations (Re-Roofing Only)
7.	Any Required Roof Testing/Calculation Documentation

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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
- ☐ Mortar/Adhesive Set Tile
- ☐ Wood Shingles/Shakes
- ☐ Prescriptive BUR-RAS 150

Are there Gas Vent Stacks?
Yes ☐ No ☐
Type: Natural ☐ LPGX ☐

ROOF TYPE

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

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.**

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Section C (Low Sloped Roof System)

Fill in Specific Roof Assembly Components and Identify Manufacturer

(If a component is not used, identify as "NA")

System Manufacturer:_____

NOA No.:_____

Design Wind Pressures, From RAS 128 or Calculations:

Pmax1:_____ Pmax2:_____ Pmax3:_____

Max. Design Pressure, From the Specific NOA 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

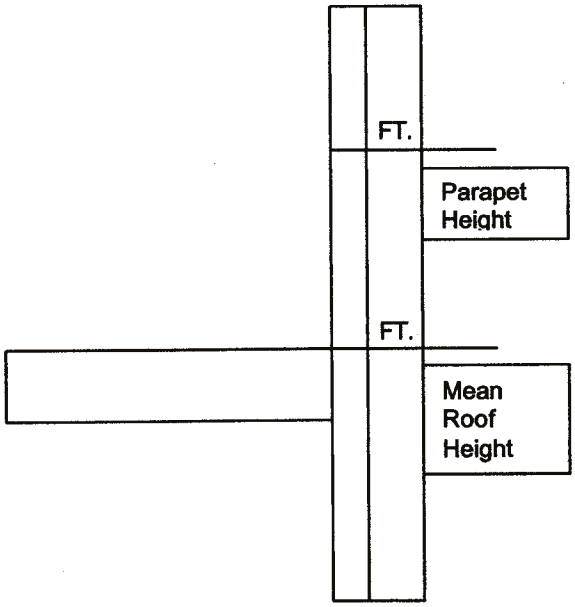
Number of Fasteners Per Insulation Board

Field _____ Perimeter _____Corner _____

Illustrate Components Noted and Details as Applicable:

Woodblocking, Gutter, Edge Termination, Stripping, Flashing, Continuous Cleat, Cant Strip, Base Flashing, Counter- Flashing, 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.



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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):

P1:_____ **P2:**_____ **P3:**_____

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

Method of tile attachment:_____

Steep Sloped Roof System Description

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:

Section E (Tile Calculations)

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

Method 1 "Moment Based Tile Calculations Per RAS 127"

(P_1:_____ x λ _____ = _____) – Mg: _____ = M_{r1} _____ NOA M_f _____
(P_2:_____ x λ _____ = _____) – Mg: _____ = M_{r2} _____ NOA M_f _____
(P_3:_____ x λ _____ = _____) – Mg: _____ = M_{r3} _____ NOA M_f _____

Method 2 "Simplified Tile Calculation Per Table Below"

Required Moment of Resistance (M_r) From Table Below _____ **NOA M_f** _____

M_r 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"

(P_1 : ____ x l: ____ = ____ x w: = ____) – W: ____ x cos θ: ____ = F_{r1}: ____ NOA F'____
(P_2 : ____ x l: ____ = ____ x w: = ____) – W: ____ x cos θ: ____ = F_{r2}: ____ NOA F'____
(P_3 : ____ x l: ____ = ____ x w: = ____) – W: ____ x cos θ: ____ = F_{r3}: ____ 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 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	M_g	NOA
Attachment Resistance	M_f	NOA
Required Moment Resistance	M_r	Calculated
Minimum Attachment Resistance	F'	NOA
Required Uplift Resistance	F_r	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.		