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

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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.

	Metho	od 1 "Moment Ba	ased Tile Calc	ulations Per RAS 127"
(P1:)	(λ=) Mg:	= M _{r1}	Product Approval M _f
•) – Mg:		
(P3:	xλ=) – Mg:	= M _{r3}	Product Approval M _f

Method 2 "Simplified Tile Calculations Per Table Below"

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

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 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 1	ile Calculatio	ns Per RAS 127"
P1:	x L	=	x w: =) - W:	x cos θ	= F _{r1}	Product Approval F'
							Product Approval F'
(Da.	_ ', _) — \A(-	_	F	Product Approval F'

Where to Obtain Information								
Description	Where to find							
Design Pressure	P1 or P2 or P3	RAS 127 Table 1 or by an engineering analysis pre- pared by PE based on ASCE 7						
Mean Roof Height	Н	Job Site						
Roof Slope	θ	Job Site						
Aerodynamic Multiplier	λ	Product Approval						
Restoring Moment due to Gravity	M _q	Product Approval						
Attachment Resistance	M _t	Product Approval						
Required Moment Resistance	M _g	Calculated						
Minimum Attachment Resistance	F'	Product Approval						
Required Uplift Resistance	F,	Calculated						
Average Tile Weight	W	Product Approval						
Tile Dimensions	L = length W = width	Product Approval						
All calculations must be submitted to the	e building official at the time of pe	ermit application.						

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Section D (Steep Slope	d Roof System)
Roof System Manufactur	er:
	mber:
	ressures, If Applicable (From RAS 127 or Calculations): P1: P1:
,	Deck Type:
D-40	Type Underlayment:
Roof Slope:: 12	Insulation:
	Fire Barrier:
Ridge Ventilation?	Fastener Type & Spacing:
)	Adhesive Type:
	Type Cap Sheet:
Mean Roof He	ight: Roof Covering:
	Type & Size Drip Edge:

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Section C (Low Slope Application)	Top Ply Fastener/Bonding Material:	
Fill in specific roof assembly components and identify manufacturer	Custonian	. I
(If a component is not used, identify as "NA")	Surfacing:	
System Manufacturer:	Field:" oc @ Lap, # Rows @" oc	Ì
Product Approval No.:	Perimeter:" oc @ Lap, # Rows @" oc	! !
Design Wind Pressures, From RAS 128 or Calculations:	Corner:" oc @ Lap, # Rows @" oc	Į.
P1: P2: P3:	Number of Fasteners Per Insulation Board:	1 1
Max. Design Pressure, from the specific product approval system:	Field Perimeter Corner	i i
Deck:	Illustrate Components Noted and Details as Applicable: Woodblocking, Gutter, Edge Termination, Stripping, Flashing Continuous Cleat, Cant Strip, Base Flashing, Counterflashing	g, i g, i
Type:	Coping, Etc. Indicate: Mean Roof Height, Parapet Height, Height of Bas	se
Gauge/Thickness:	Flashing, Component Material, Material Thickness, Fastene Type, Fastener Spacing or Submit Manufacturers Details the	er _
Slope:		<u> </u>
Anchor/Base Sheet & No. of Ply(s):		
Anchor/Base Sheet Fastener/Bonding Material:		i
Insulation Base Layer:	- FT.	i
Base Insulation Size and Thickness:	Parapet Height	- I
Base Insulation Fastener/Bonding Material:		– I
Top Insulation Layer:		1
Top Insulation Size and Thickness:	Mean	
Top Insulation Fastener/Bonding Material:	Roof Height	1
Base Sheet(s) & No. of Ply(s):		 !
Base Sheet Fastener/Bonding Material:		į
Ply Sheet(s) & No. of Ply(s):		; ;
Ply Sheet Fastener/Bonding Material:		i
- Try Onest's asterior boriding Material.	_	
Top Ply:		1

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/laste	r Permit No	•	•	Process No							
Contra	actor's Name				· 	·					
Job A	ddress								<u></u>		
					ROOF CATEGOR	RY					
	Low Slope				Mechanically Fastened	Tile			Mortar/Adh	esive	Set Tiles
	Asphaltic Shingles				Metal Panel/Shingles				Wood Shin	gles/9	Shakes
					Prescriptive BUR-RAS	150					
					ROOF TYPE						
	New roof		Repair		☐ Maintenance	Ε	3	Reroof	ing		Recovering
					ROOF SYSTEM INFOR	MATIC	N				
Lo	w Slope Roof Area (SF)_		Ste	eep Sloped Roof AREA (SSF)_		_ Tot	tal (SF)		
					Section B (Roof	Plan)					
					ons, roof drains, scupper tensions of elevated pres						

