

Section 1525

Florida Building Code 8th Edition (2023)

I High-Velocity Hurricane 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	Attachment Required See list Below
Low Slope Roof	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 (Broward County Standard Application Form)
6.	Owners Notification for Roofing Considerations (Reroofing Only)
7.	Any Required Roof Testing/Calculation Documentation

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Section A (General Information)

Master Permit No. BL2024-1025 Process No. _____
Contractor's name: RTI Professional Services
12805 SW 69 Ct
Job Address: _____

ROOF CATEGORY

- | | | |
|---|---|---|
| ☐ Low Slope | ☐ Mechanically Fastened Tile | ☒ Mortar/Adhesive Set Tiles |
| ☐ Asphaltic Shingles | ☐ Metal Panel / Shingles | ☐ Wood Shingles / Shakes |
| | ☐ Prescriptive BUR-RAS150 | |

ROOF TYPE

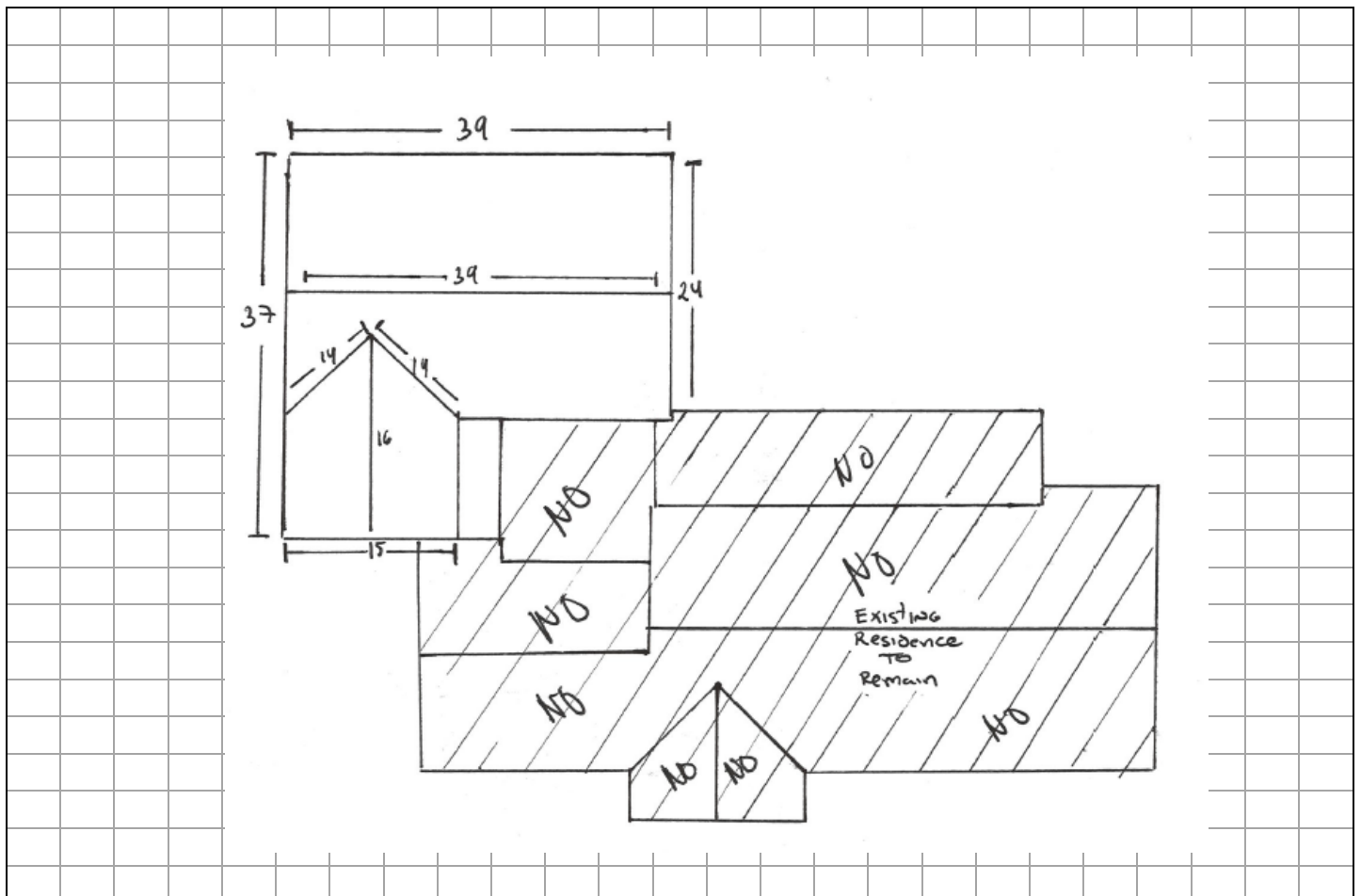
- | | | | | |
|-----------------------------------|---------------------------------|--------------------------------------|---|-------------------------------------|
| ☐ New Roof | ☐ Repair | ☐ Maintenance | ☒ Reroofing | ☐ Recovering |
|-----------------------------------|---------------------------------|--------------------------------------|---|-------------------------------------|

ROOF SYSTEM INFORMATION

Low Slope Roof Area (SF) 0 Steep Sloped Roof Area (SF) 1166 Total (SF) 1166

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 D (Steep Sloped Roof System)

Roof System Manufacturer: Teja Verea

Notice of Acceptance Number: 24-0215.01

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

Zone 1: -74 Zone 2: -98 Zone 3: -128

Roof Gable ☐

Roof Hip ☐

Roof Hip/Gable ☒

Deck Type: 5/8" Plywood

Type Underlayment: Poly anchor

Insulation: NA

Fire Barrier: NA

1 1/4" RS & 1 5/8" TC

Fastener Type & Spacing: spaced 8" OC in 4" head lap & 4" OC in 3 staggered rows in field.

Adhesive Type: Self Adhered

Type Cap Sheet: TU Plus back nailed max 12" OC

Roof Covering: Verea TileFLAT

Type & Size Drip Edge: 3x3, 26ga, galv
W 1 1/4" RS
4" OC

Roof Slope: 3 : 12

Ridge Ventilation? na

Mean Roof Height: 15

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Section E

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"

(Zone 1: $74 \times \lambda = 21 = 15.54$ - $M_g: 3.77 = M_{r1} 11.77$ Product Approval M_r 38.71 -
 (Zone 2: $98 \times \lambda = 21 = 20.58$ - $M_g: 3.77 = M_{r2} 16.81$ Product Approval M_r 38.71 -
 (Zone 3: $128 \times \lambda = 21 = 26.88$ - $M_g: 3.77 = M_{r3} 23.11$ Product Approval M_r 38.71 -

Method 2 "Simplified Tile Calculations Per Table Below"

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

M_r required Moment Resistance*					
Mean Roof Height Roof Slope	15'	20'	25'	30'	40'
2:12	-46	-47.6	-49.4	-50.9	-53.3
3:12	-47.3	-48.9	-50.7	-52.2	-54.6
4:12	-47.2	-52.0	-53.8	-55.3	-57.9
5:12	-39.8	-41.5	-42.8	-43.7	-45.7
6:12	-39.6	-40.6	-41.9	-42.9	-44.8
7:12	-39.4	-40.3	-41.6	-42.6	-44.6

Method 2 may be utilized within Broward County Exposure C only.

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: _____ $\times L$ _____ = _____ $\times w$: _____) - W : _____ $\times \cos r$ _____ = F_{r1} _____ Product Approval F' _____
 (Zone 2: _____ $\times L$ _____ = _____ $\times w$: _____) - W : _____ $\times \cos r$ _____ = F_{r2} _____ Product Approval F' _____
 (Zone 3: _____ $\times L$ _____ = _____ $\times w$: _____) - W : _____ $\times \cos r$ _____ = F_{r3} _____ Product Approval F' _____

Where to Obtain Information		
Description	Symbol	Where to find
Design Pressure	Zones 1, 2, 3	From applicable table in RAS 127 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_r	Product Approval
Required Moment Resistance	M_o	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.		