

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

- | | | |
|---|---|--|
| <input type="checkbox"/> Low Slope | <input type="checkbox"/> Mechanically Fastened Tile | <input type="checkbox"/> Mortar/Adhesive Set Tiles |
| <input type="checkbox"/> Asphaltic Shingles | <input type="checkbox"/> Metal Panel/Shingles | <input type="checkbox"/> Wood Shingles/Shakes |
| | <input type="checkbox"/> Prescriptive BUR-RAS 150 | |

ROOF TYPE

- | | | | | |
|-----------------------------------|---------------------------------|--------------------------------------|------------------------------------|-------------------------------------|
| <input type="checkbox"/> New roof | <input type="checkbox"/> Repair | <input type="checkbox"/> Maintenance | <input type="checkbox"/> Reroofing | <input type="checkbox"/> 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

A large empty grid for sketching the roof plan, consisting of 20 columns and 15 rows of squares.

parapets.

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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: _____

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: _____

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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.

Method 1 "Moment Based Tile Calculations Per RAS 127"

(Zone 1: ____ x? ____ = ____) – Mg: ____ = M_{r1} ____ Product Approval M_r ____
 (Zone 2e: ____ x? ____ = ____) – Mg: ____ = M_{r2e} ____ Product Approval M_r ____
 (Zone 2n: ____ x? ____ = ____) – Mg: ____ = M_{r2n} ____ Product Approval M_r ____
 (Zone 2r: ____ x? ____ = ____) – Mg: ____ = M_{r2r} ____ **Product Approval** M_r ____
 (Zone 3e: ____ x? ____ = ____) – Mg: ____ = M_{r3e} ____ **Product Approval** M_r ____
 (Zone 3r: ____ x? ____ = ____) – Mg: ____ = M_{r3r} ____ **Product Approval** M_r ____

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	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"

(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' ____