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 ☐ Mechanically Fastened Tile ☐ Mortar/Adhesive Set Tiles
☐ Asphaltic Shingles ☐ Metal Panel/Shingles ☐ Wood Shingles/Shakes
☐ Prescriptive BUR-RAS 150

ROOF TYPE

☐ New roof ☐ Repair ☐ Maintenance ☐ Reroofing ☐ 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 parapets.
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Section D (Steep Sloped Roof System)

Roof System
___________________________________________________________________________ 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

Deck Type: ____________________________

Type Underlayment: __________________

Insulation: ____________________________

Fire Barrier: __________________________

Ridge Ventilation? _________________

Fastener Type & Spacing: ________________________

Adhesive Type: ________________________

Type Cap Sheet: _______________________

Mean Roof Height: _________________

Roof Covering: ______________________

Type & Size Drip Edge: ____________________________
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 $M_f$ 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”**

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 $M_f$ 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 2 “Simplified Tile Calculations Per Table Below”**

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”**

<table>
<thead>
<tr>
<th>Mean Roof Height</th>
<th>15</th>
<th>20</th>
<th>25</th>
<th>30</th>
<th>40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roof Slope</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2:12</td>
<td>34.4</td>
<td>36.5</td>
<td>38.2</td>
<td>39.7</td>
<td>42.2</td>
</tr>
<tr>
<td>3:12</td>
<td>32.2</td>
<td>34.4</td>
<td>36.0</td>
<td>37.4</td>
<td>39.8</td>
</tr>
<tr>
<td>4:12</td>
<td>30.4</td>
<td>32.2</td>
<td>33.8</td>
<td>35.1</td>
<td>37.3</td>
</tr>
<tr>
<td>5:12</td>
<td>28.4</td>
<td>30.1</td>
<td>31.6</td>
<td>32.8</td>
<td>34.9</td>
</tr>
<tr>
<td>6:12</td>
<td>26.4</td>
<td>28.0</td>
<td>29.4</td>
<td>30.5</td>
<td>32.4</td>
</tr>
<tr>
<td>7:12</td>
<td>24.4</td>
<td>25.9</td>
<td>27.1</td>
<td>28.2</td>
<td>30.0</td>
</tr>
</tbody>
</table>

*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.