Location of structure – ______________________________, FL Zip Code________________

www.atcouncil.org/windspeed/

____ Story Single Family Residence, _______ Story Commercial Building

___/12 Slope, Multiple Slope - ______/12 Slope

Plywood Deck, Wood Plank, Other___________________

Wind Speed _____ MPH

Exposure Category:   B   C   D

Roof Mean Height ________

Roof Tile - Florida Product Approval # / Miami-Dade Notice of Acceptance #_______________

Roof Tile Adhesive - Florida Product Approval # / Miami-Dade Notice of Acceptance #_______________

Underlayment - Florida Product Approval # / Miami-Dade Notice of Acceptance #_______________

System Type (Page 3):

<table>
<thead>
<tr>
<th>Tile System Check List</th>
<th>(Circle One of The Options)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battens Utilized</td>
<td>Yes / No</td>
</tr>
<tr>
<td>Pitch of Roof</td>
<td>1/12 /12</td>
</tr>
<tr>
<td>Field Tile Attachment</td>
<td>Adhesive Set / Mechanical Attachment</td>
</tr>
<tr>
<td>Number of Ply’s</td>
<td>Single / Two</td>
</tr>
<tr>
<td>Underlayment Attachment Method</td>
<td>SA / CA / HA / HM / DM  (Note 1 Below)</td>
</tr>
<tr>
<td>Metal Flashing Type</td>
<td>Pre-Formed / Standard</td>
</tr>
<tr>
<td>Pre-formed Flashings</td>
<td>With / Without returns</td>
</tr>
<tr>
<td>Additional Flashings</td>
<td>Yes / No</td>
</tr>
<tr>
<td>Roof Tile Fastener Penetrations</td>
<td>Sealed / (See Note 2 Below)</td>
</tr>
</tbody>
</table>

Note 1: SA=Self Adhered, CA=Cold Applied, HA=Heat Applied, HM=Hot Mop, DM=Dry/Mechanical

Note 2: Refer to the underlayment manufacturer’s written instructions or product approval.
Table 1A (Page 14) Underlayment Design Pressure: ________________

Table 1 Mechanically Fastened Anchor Sheet (Page 13)

Field: # of Rows ______ Fasteners_______ Inches on center
Lap: ____________ Inches on center
Back nail Cap sheet: ____________ Inches on center

**Adhesive Set**

Table 2A (Page 15) Required Aerodynamic Uplift Moment for Field Tile (6/12 and Less)

Table 2B (Page 16) Required Aerodynamic Uplift Moment for Field Tile (Greater Than 6/12)

Exposure Category ________, MRH________, Basic Wind Speed________,
Aerodynamic Uplift Moment __________

The Roof Tile Adhesive Florida Product Approval - Allowable Overturning Moment __________ must be equal to or greater than Aerodynamic Uplift Moment ________ in Table 2A or 2B.

Miami-Dade NOA - Moment Resistance determined in accordance with RAS-127 _______________

**Florida Building Code Edition 2010**

**High-Velocity Hurricane Zone Uniform Permit Application Form.**

**Section E (Tile Calculations) **(N/A to Indian River County)

For Moment based tile systems, choose either Method 1 or 2. Compare the values for Mr with the values from Mr. If the Mr 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”**

\[(P1: \text{______} \times \lambda\text{_______} = \text{_______}) - \text{Mg:_______} = \text{Mr}_{1}\text{_______} \quad \text{NOA Mf ________}
\]
\[(P2: \text{______} \times \lambda\text{_______} = \text{_______}) - \text{Mg:_______} = \text{Mr}_{2}\text{_______} \quad \text{NOA Mf ________}
\]
\[(P3: \text{______} \times \lambda\text{_______} = \text{_______}) - \text{Mg:_______} = \text{Mr}_{3}\text{_______} \quad \text{NOA Mf ________}
\]
**Mechanical Attachment**

Table 2A (Page 15) Required Aerodynamic Uplift Moment for Field Tile (6/12 and Less)

Table 2B (Page 16) Required Aerodynamic Uplift Moment for Field Tile (Greater Than 6/12)

Exposure Category ________, MRH________, Basic Wind Speed_______,

Aerodynamic Uplift Moment ________

The Mechanical Roof Tile Resistance Values for Field Tile found in Table 3 (Page 17) ___________ must be equal to or greater than the Aerodynamic Uplift Moment ________ in Table 2A or 2B.

Miami-Dade NOA - Moment Resistance determined in accordance with RAS-127

---

**Table 3 Mechanical Attachment Check List (Circle one and/or Enter Value)**

<table>
<thead>
<tr>
<th>Deck Thickness</th>
<th>Installation Method</th>
<th>Fastener Type</th>
<th>Attachment Description (Enter Information)</th>
<th>Tile Profile “Circle one” &amp; Resistance Value</th>
<th>Table 2A or 2B Resistance Values</th>
<th>Moment Based Tile Calculations Per RAS 127 (NOA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>15/32”</td>
<td>Direct Deck Batten</td>
<td>Nail</td>
<td>(See Note Below)</td>
<td>Low Medium High Resistance Value_____</td>
<td>Slope: <em><strong><strong>/12 Resistance Value</strong></strong></em></td>
<td>M1,_______ M2,_______ M3,_______</td>
</tr>
<tr>
<td>19/32”</td>
<td></td>
<td>Screw</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Attachment Description Information (Table 3 Page 17)

SS = Smooth Shank Nail or Screw Shank, RS = Ring Shank, C = Clip, HL = Head Lap