CITY OF SEBASTIAN
HOME OF PELICAN ISLAND
BUILDING DEPARTMENT
1225 MAIN STREET • SEBASTIAN, FLORIDA 32958
TELEPHONE: (772) 589-5537 • FAX (772) 589-2566

- 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):

Tile System Check List		**(Circle One of The Options)**
1	Battens Utilized	Yes / No
2	Pitch of Roof **(Enter Slope(s))**	/12 /12
3	Field Tile Attachment	Adhesive Set / Mechanical Attachment
4	Number of Ply's	Single / Two
5	Underlayment Attachment Method	SA / CA / HA / HM / DM **(Note 1 Below)**
6	Metal Flashing Type	Pre-Formed / Standard
7	Pre-formed Flashings	With / Without returns
8	Additional Flashings (Transitional)	Yes / No
9	Roof Tile Fastener Penetrations	Sealed / **(See Note 2 Below)**

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 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"

(P1:_____ x λ _____ = _____) – Mg: _____ = M_{r1} _____ NOA M_f _____

(P2:_____ x λ _____ = _____) – Mg: _____ = M_{r2} _____ NOA M_f _____

(P3:_____ x λ _____ = _____) – Mg: _____ = M_{r3} _____ NOA M_f _____

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)

Deck Thickness	**Installation Method**	**Fastener Type**	**Attachment Description (Enter Information)**	**Tile Profile "Circle one" & Resistance Value**	**Table 2A or 2B Resistance Values**	**Moment Based Tile Calculations Per RAS 127 (NOA)**
15/32" 19/32"	Direct Deck Batten	Nail Screw	**(See Note Below)**	Low Medium High Resistance Value_____	Slope: ____/12 Resistance Value_____	M_{r1}._____ M_{r2}._____ M_{r3}._____

Note: Attachment Description Information (Table 3 Page 17)

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