VILLAGE OF EL PORTAL

Florida Building Code 8th Edition (2023)
High Velocity Hurricane Zone (HVHZ)
Roofing Application Form

Notice:Shingle roofing acceptable only where replacing existing shingle.
Sec 5-23 Village of El Portal Code of Ordinances.

INSTRUCTION PAGE
COMPLETE THE NECESSARY SECTIONS OF THE UNIFORM ROOFING PERMIT APPLICATION FORM AND ATTACH THE REQUIRED DOCUMENTS LISTED BELOW:

Roof System	Required Sections of the Permit Application Form	Attachments Required See List Below
Low Slope Application	A,B,C	1,2,3,4,5,6,7
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 Product Approval
5.	Municipal Permit Application
6.	Owner's Notification for Roofing Considerations (Reroofing Only)
7.	Any Required Roof Testing / Calculation Documentation

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Section A (General Information)

Master Permit Number: _____ Process Number: _____

Contractor's Name: _____

Job Address: _____

ROOF CATEGORY

☐ Low Slope ☐ Mechanically Fastened Tile ☐ Mortar/Adhesive Set Tile

☐ Asphalt Shingles ☐ Metal Panel/Shingles ☐ Wood Shingles/Shakes

ROOF TYPE

☐ New Roof ☐ Repair ☐ Maintenance ☐ Reroofing ☐ Recovering

ROOF SYSTEM INFORMATION

Low Sloped Roof Area: _____ (ft^2) Steep Sloped Roof Area: _____ (ft^2) Total Area: _____(ft^2)

Are there gas vents on the roof? ◯ Yes ◯ No If Yes what type? Natural ◯ LPX ◯

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.

Low slope perimeter width .6(h): _____ **ft** **Low Slope corner length .6 (h):** _____ **ft**

Steep slope perimeter width .4(h): _____ **ft** **Low Slope corner width .2 (h):** _____ **ft**

Separate roof plan provided: **Yes** ◯ **No** ◯

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Section C (Low Sloped Roof Systems)

Fill in Specific Roof Assembly Components and Identify the Manufacturer.
(If a component is not used, identify as "NA")

System Manufacturer: _____

Product Approval #: _____

Design Wind Pressures, from RAS 128 or Calculations:

Zone 1': _____ Zone 1: _____ Zone 2: _____

Zone 3: _____

Max. Design Pressure, from NOA: _____

Deck Type & Gauge Thickness:

_____

Roof Slope: _____ / 12

Anchor/ Base Sheet & No. of Ply(s):

_____

Anchor/Base Sheet Fastener/Bonding Material:

_____

Insulation Base Layer Type:

_____

Base Insulation Size & Thickness:

_____

Base Insulation Layer Fastening/Bonding Material:

_____

Top Insulation Layer Type:

_____

Top Insulation Size & Thickness:

_____

Top Insulation Layer Fastener/Bonding Material:

_____

Base Sheet(s) & No. of Ply(s):

_____

Base Sheet Fastener/Bonding Material:

_____

Ply Sheet(s) & No. of Ply(s):

_____

Ply Sheet Fastener/Bonding Material:

_____

Top Ply Type:

_____

Top Ply Fastener/ Bonding Material:

_____

Surfacing: _____

Fastener Spacing for Anchor/Base Sheet Attachment:

Zone 1' ____ " oc @ Laps & ____ rows @ ____ " oc

Zone 1 ____ " oc @ Laps & ____ rows @ ____ " oc

Zone 2 ____ " oc @ Laps & ____ rows @ ____ " oc

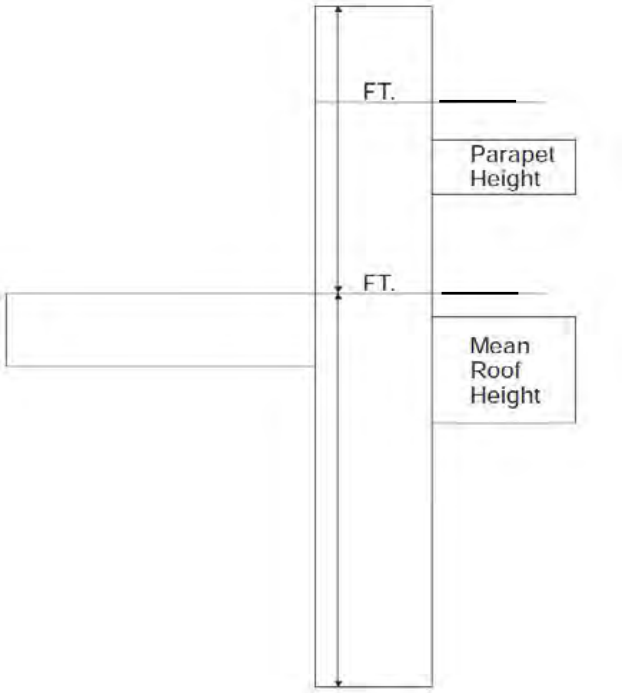
Zone 3 ____ " oc @ Laps & ____ rows @ ____ " oc

Number of Fasteners Per Insulation Board

Zone 1': ____ Zone1: ____ Zone 2: ____ Zone 3: ____

Illustrate Components Noted and Details as Applicable: Woodblocking, Gutter, Edge Termination, Stripping, Flashing, Continuous Cleat, Cant Strip, Base Flashing, Counterflashing, Coping, Etc. Or submit separate applicable installation details.

Indicate: Mean Roof Height, Parapet Height, Height Base Flashing, Component Material, Material Thickness, Fastener Type, Fastener Spacing or Submit Manufactures Details that Comply with RAS 111 and Chapter 16.



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Section D (Steep Sloped Roof System)

Roof System Manufacturer: _____

Product Control Number: _____

Minimum Design Wind Pressures (psf), from RAS127 or Calculations:

P(1) Field: _____ P(2) Perimeter: _____ P(3) Corner: _____

Select Exposure Category: C ◯ D ◯ Roof Shape: All Hip ◯ Gable ◯

Roof Slope: _____ : 12 Deck Type: _____

Roof Mean Height: _____ ft Underlayment (UDL) Type: _____

Ridge Ventilation: Yes ◯ No ◯ UDL Attachment: _____

Ridge Vent NOA: _____

Insulation: _____

Optional Nailable Substrate: _____

Fastener Type & Spacing for
Optional Substrate Attachment: _____

Tile Cap Sheet: _____

Cap Sheet Attachment: _____

Roof Covering: _____

Drip Edge Type & Size: _____

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Section E (Tile Calculations)

For Moment based tile systems, choose Method 1. 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"

Enter positive uplift pressures when using this table

Zone 1: (_____ x λ: _____) = _____ - *Mg*: _____ = *Mr1*: _____ Product approval Mf: _____

Zone 2: (_____ x λ: _____) = _____ - *Mg*: _____ = *Mr2*: _____ Product approval Mf: _____

Zone 3: (_____ x λ: _____) = _____ - *Mg*: _____ = *Mr3*: _____ Product approval Mf: _____

Tile Attachment Method: _____ Alternate Tile Attachment Method: _____

Method 3 *"Uplift Based Tile Calculations per RAS 127"*

Enter positive uplift pressures when using this table

For Uplift Based tile systems use Method 3. Compare the values for F' with the values for Fr. If the F' values are greater than or equal to the Fr values for each area of the roof, then the tile attachment method is acceptable.

Zone (1): (_____ x l: _____) = (_____ x w: _____) = (_____ - W: _____) = (_____ x cos θ: _____) = *Fr1*: _____ Product Approval *Mf*: _____

Zone (2): (_____ x l: _____) = (_____ x w: _____) = (_____ - W: _____) = (_____ x cos θ: _____) = *Fr2*: _____ Product Approval *Mf*: _____

Zone (3): (_____ x l: _____) = (_____ x w: _____) = (_____ - W: _____) = (_____ x cos θ: _____) = *Fr3*: _____ Product Approval *Mf*: _____

Where to obtain information		
Description	**Symbol**	**Where to Find**
Design Pressure	Zones 1, 2, 3	From the applicable Table in RAS 127-23 or by an engineering analysis prepared by a PE based upon ASCE 7-20
Mean Roof Height	H	Job Site
Roof Slope	θ	Job Site
Aerodynamic Multiplier	λ	Product Approval / Notice of Acceptance
Restoring Moment due to Gravity	M_g	Product Approval / Notice of Acceptance
Attachment Resistance	M_f	Product Approval / Notice of Acceptance
Required Moment Resistance	M_r	Calculated
Minimum Attachment Resistance	F'	Product Approval / Notice of Acceptance
Required Uplift Resistance	F_r	Calculated
Average Tile Weight	W	Product Approval / Notice of Acceptance
Tile Dimensions	l=Length w= Width	Product Approval / Notice of Acceptance
All calculations must be submitted to the Building Official at the time of permit application.		

To flatten (remove layers) & save this file print to pdf

Reset E Page Print Form