2023 HVHZ Electronic Permit Form Tile Roof System

Master Permit No:



Section A (General Information)

Process No:

Contractor's Nar	ne:							
Job Address:								
			Roof T	уре				
Low Slope		M	echanically	Fastened	d Tile	Mortar	/Adhesive S	et Tile
Asphalt Shingles		M	Metal Panel - Shingles			Wood Shingles/Shakes		
Sprayed Polyurethar	ne Foam	Ot	her:					
New Roof	Re-roofi	ng	Recove	ering	Repair		Maintena	nce
Are there Gas Vent Stacks loca	ated on the	e roof?	Yes	No	If yes, what	type?	Natural	LPGX
		Roo	f System In	formatio	n			
Low Sloped Roof Area:	(ft²)	Steep S	loped Area	:	(ft²)	Total /	Area	(ft²)
·	()		tion B (Roo		, ,			. ,
Sketch Roof Plan: Illustrate all levels a of sections and levels, clearly identify								clude dimensions
Low slope perimeter width .6(h):			orner length .6		ft		of plan provided:	Yes No
Steep slope perimeter width .4(h):	ft L	ow slope co	orner width .2	(h):	ft	Separate rot	or plan provided.	163 140
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Section D (System Page)

Roof System Mar	nufacturer	:			
Florida Approval	(PA) or M	DC Notice of Acceptance	e (NOA) Nu	ımber:	
Roof Slope:	:12	Roof Mean Height:	ft	Perimeter Width:	ft
		Roof Shape: All Hi	p Gable		
		Exposure Category	<i>r</i> : C D		
Minimum Desi	gn Wind P	ressures (psf) from 2023	3 RAS-127	or Calculations per AS	CE 7-20
P(1) Field:	psf	P(2) Perimeter:	psf	(P3) Corner:	psf
Deck Type:			Option	al ply sheet:	
Optional insulation	n:		Option	al ply sheet attachmer	nt method:
Optional insulatio	n attachm	ent:	Tile ca _l	sheet type:	
Optional nailable	substrate:		Cap sh	eet attachment metho	d:
Optional nailable	substrate a	attachment:	Self Ad	hered (SA) tile underla	ayment:
			PA or N	NOA SA approval numb	er:
Basesheet Type:			T :1	- £11	
Eastoner type 9 cr	asing for	hacachaat attachmanti	Tile pro	ome:	
rasteller type & Sp	Jacing for	basesheet attachment:	Tile att	achment method:	
Drip edge type, siz	e & gauge	:	Additio	onal tile attachment m	ethod:
Drip edge fastene	· & attachi	ment spacing:			
Drip edge continue	ous cleat:				

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Section E (Calculations Page)

Enter positive uplift pressures in the Zone Fields when using these methods of calculating attachment.

For Moment based tile systems, choose **Method 1**. Compare the values for Mr with the values from Mf. If the Mf 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 127-23"

P(1) Field:	хλ	=	- Mg:	= Mr1 :	≤	NOA Mf:
P(2) Perimeter:	хλ	=	- Mg:	= Mr2:	≤	NOA Mf:
P(3) Corner:	хλ	=	- Mg:	= Mr3:	≤	NOA Mf:

Tile attachment method:

Alternate attachment method:

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.

Method 3 "Uplift Based Tile Calculations per RAS 127"

P(1):	x L:	=	x W:	=	- w:	=	x cos θ	= Fr1	NOA F'
P(2):	x L:	=	x W:	=	- w:	=	x cos θ	= Fr2	NOA F'
P(3):	x L:	=	x W:	=	- w:	=	x cos θ	= Fr3	NOA F'

Where to obtain information				
Description	Symbol	Where to Find		
Design Pressure	Zones 1, 2e, 2n, 2r,3e, 3r	From the applicable Table in RAS- 127 or by an engineering analysis prepared by a PE based upon ASCE 7		
Mean Roof Height	h	Job site		
Roof Slope	θ	Job Site		
Aerodynamic Multiplier	λ	Product Approval / Notice of Acceptance		
Restoring Moment due to Gravity	Mg	Product Approval / Notice of Acceptance		
Attachment Resistance	Mf	Product Approval / Notice of Acceptance		
Required Moment Resistance	Mr	Calculated		
Minimum Attachment Resistance	F'	Product Approval / Notice of Acceptance		
Required Uplift Resistance	Fr	Calculated		
Average Tile Weight	w	Product Approval / Notice of Acceptance		
Tile Dimensions	L=Length W= Width	Product Approval / Notice of Acceptance		

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