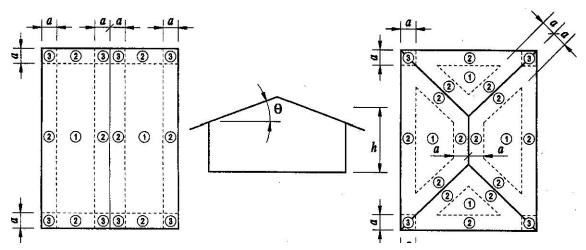


APPENDIX 1: ATTACHMENT REQUIREMENTS FOR DESIGN WIND PRESSURE RESISTANCE:

Table	Product	System	MDP (Max Design Pressure)	Page
A-1	DECRA Shake Plus, Shingle Plus	1	-65.0 psf	2-4
A-2	DECRA Shake Plus, Shingle Plus	2	-102.5 psf	5-7
B-1	DECRA Villa Tile	3	-52.5 psf	8-10
B-2	DECRA Villa Tile	4	-76.5 psf	11-13
B-3	DECRA Villa Tile	5	-153.0 psf	14-16
C-1	DECRA Shake XD, Shingle XD	6	-78.5 psf	17-19
C-2	DECRA Shake XD, Shingle XD	7	-153.5 psf	20-22
D-1	DECRA Shingle	8	-30.0 psf	23-25
D-2	DECRA Shingle	9	-52.5 psf	26-28

- 1. Unless otherwise noted, roof deck shall be specified and installed in accordance with FBC requirements to the satisfaction of the AHJ, but not less than minimum 15/32" plywood attached with minimum 8d by 2½" long with 9/32" head diameter ring shank nails spaced 6" o.c. at board edges and 6" o.c. at center supports spaced maximum 24" o.c. In re-roofing or recover the above attachment shall be in addition to the existing attachment.
- 2. Unless otherwise noted herein, fire barrier and/or underlayment materials may be any that meet DECRA minimum requirements, the QA requirements of F.A.C. Rule 9N-3 and FBC 1505 when installed with the roof cover.
- 3. "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC 1609.1.5 for determination of design wind pressures.
- 4. Tables are based on roof cladding design wind pressure requirements for gabled/hipped roofs in accordance with ASCE 7-10, multiplied by 0.6 in accordance with 2010 FBC 1609.1.5.
- 5. Tables are limited to projects having gable or hip roofs with a mean roof height between 0 and 60 feet, slopes between 7° and 45° (1.5:12 to 12:12 pitch), enclosed buildings (Internal Pressure Coefficient, GCPi = \pm 0.18), no load combinations (K_d = 1) and site conditions and location of the structure do not meet all conditions specified in Section 26.8.1 of ASCE 7-10 (K_{zt} = 1.0). Analysis for buildings falling outside these constraints shall be on a project-by-project basis by a Florida Registered PE.
- 6. Reference to "OK" indicates the system performance exceeds project requirements for that pressure zone. Reference to "NO" indicates additional testing or rational analysis by a Florida Registered PE is required to address that particular pressure zone.
- 7. The dimension of Zones 2 and 3 (perimeters and corners) shall be defined as 10% of the least horizontal plan-view dimension or 40% of the mean roof height, whichever is smaller, but not less than either 4% of the least horizontal plan-view dimension or 3 feet, as outlined in Figures 30.4-2B and 30.4-2C of ASCE 7-10.



- 8. For existing decks, fasteners shall be tested in the existing deck for withdrawal resistance in accordance with TAS 105 or ANSI/SPRI FX-1. A qualified design professional shall review the data for comparison to the minimum requirements for the system.
- 9. For installation over a fire barrier and/or existing asphalt shingles, panel fasteners that engage the roof deck shall be of sufficient length to penetrate the underside of the roof deck by not less than 1-inch.
- 10. Panel fasteners shall be corrosion resistant



A. DECRA SHAKE PLUS & SHINGLE PLUS:

	1: DECRA Shake ECKS - NEW CONS	•		Off), or RECOVER (over existing as	sphalt shingles or BUR)	
System	Deck	Fire	Underlay	Panel At	tachment	MDP
No.	(See Note 1)	Barrier	Officeriay	Fasteners	Attachment	(psf)
1.	Min. 15/32" APA rated Grade B-C plywood	(Optional) See Note 2	See Note 2	Panels to Deck: No. 8 x min. 1½" long hex head screws at back shelf Panels to Panels: No. 8 x min. 1" long hex head screws through nose of panel	Panels to Deck: Four (4) per panel at back shelf to roof deck Panels to Panels: Four (4) per panel at through nose of panel to attached panels to the next course	-65.0

Exposure B for Slope Ra					Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Roof Pressure Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	NO	NO
0 < h <u><</u> 30	3	OK	OK	OK	OK	OK	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	NO	NO
30 < h <u><</u> 40	3	OK	OK	OK	OK	OK	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	NO	NO
40 < h <u><</u> 50	3	OK	OK	OK	OK	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	3 Overhang	OK	OK	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	NO	NO
50 < h <u><</u> 60	3	OK	OK	OK	OK	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	3 Overhang	OK	OK	NO	NO	NO	NO	NO	NO	NO

Maan Doof Hoight (ft)	Roof Pressure Zone				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Roof Pressure Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 30	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
50 < h <u><</u> 60	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO



Maan Doof Haight (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	NO	NO
0 < h <u><</u> 15	3	OK	OK	OK	OK	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	3 Overhang	OK	OK	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	NO	NO	NO
15 < h <u><</u> 20	3	OK	OK	OK	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	3 Overhang	OK	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2	OK	OK	OK	OK	OK	OK	NO	NO	NO
20 < h <u><</u> 30	3	OK	OK	OK	NO	NO	NO	NO	NO	NO
20 VIII <u>- </u> 00	2 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2	OK	OK	OK	OK	OK	NO	NO	NO	NO
30 < h <u><</u> 40	3	OK	OK	OK	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2	OK	OK	OK	OK	OK	NO	NO	NO	NO
40 < h <u><</u> 50	3	OK	OK	NO	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	NC
	2	OK	OK	OK	OK	OK	NO	NO	NO	NC
50 < h <u><</u> 60	3	OK	OK	NO	NO	NO	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO

Mana Dané Hainda (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 15	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
15 < h <u><</u> 20	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
20 < h <u><</u> 30	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	NO	NO
50 < h <u><</u> 60	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO



Mean Roof Height (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (It)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2	OK	OK	OK	OK	OK	NO	NO	NO	NO
0 < h <u><</u> 15	3	OK	OK	OK	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2	OK	OK	OK	OK	OK	NO	NO	NO	NO
15 < h <u><</u> 20	3	OK	OK	NO	NO	NO	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NC
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	NC
	2	OK	OK	OK	OK	NO	NO	NO	NO	NC
20 < h <u><</u> 30	3	OK	NO	NO	NO	NO	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NC
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	NO	NC
	2	OK	OK	OK	OK	NO	NO	NO	NO	NC
30 < h <u><</u> 40	3	OK	NO	NO	NO	NO	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NC
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	NO	NC
	2	OK	OK	OK	OK	NO	NO	NO	NO	NC
40 < h <u><</u> 50	3	NO	NO	NO	NO	NO	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NC
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	NO	NC
	2	OK	OK	OK	OK	NO	NO	NO	NO	NC
50 < h <u><</u> 60	3	NO	NO	NO	NO	NO	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NC
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC

Table A-1f: System No. 1: Exposure D for Slope Range				12:12)						
Maan Doof Haight (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
0 < h <u><</u> 15	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
15 < h <u><</u> 20	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	NO	NO
20 < h <u><</u> 30	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	NO	NO
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	OK	NO	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	NO	NO
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	OK	OK	NO	NO	NO
	2 & 3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO
·	1	OK	OK	OK	OK	OK	OK	OK	NO	NO
50 < h <u><</u> 60	2 & 3	OK	OK	OK	OK	OK	OK	NO	NO	NO
	2 & 3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO



	2: DECRA Shake ECKS - NEW CONS	_		Off), or RECOVER (over existing as	sphalt shingles or BUR)	
System	Deck	Fire	Umdowlose	Panel Att	tachment	MDP
No.	(See Note 1)	Barrier	Underlay	Fasteners	Attachment	(psf)
2.	Min. 15/32" APA rated Grade B-C plywood	(Optional) See Note 2	See Note 2	Panels to Deck: No. 8 x min. 1½" long hex head screws at back shelf Panels to Panels: No. 8 x min. 1" long hex head screws through nose of panel	Panels to Deck: Seven (7) per panel at back shelf to roof deck Panels to Panels: Seven (7) per panel at through nose of panel to attached panels to the next course	-102.5

Maar Doof Height (ft)	Doof Drocours Zono				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Roof Pressure Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 30	3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	3	OK	OK	OK	OK	OK	OK	OK	NO	NO
30 < 11 <u><</u> 40	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
40 < h <u><</u> 50	3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
_	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
50 < h <u><</u> 60	3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO

Table A-2b: System No.	2: DECRA Shake Plus 8	& Shingle	Plus							
Exposure B for Slope Ra	nge 27° < slope <u><</u> 45°	(6.1:12 <	< pitch <	12:12)						
Mean Roof Height (ft)	Roof Pressure Zone				Basic W	ind Spee	d (mph)			
Mean Roof Height (It)	Roof Pressure Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 30	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
50 < h <u><</u> 60	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO



Moon Doof Hoight (ft)	Roof Pressure			·	Basic W	ind Spee	d (mph)	·		
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 15	3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NC
	3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	NC
15 < h <u><</u> 20	3	OK	OK	OK	OK	OK	OK	OK	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NC
	3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	Ok
	2	OK	OK	OK	OK	OK	OK	OK	OK	NC
20 < h <u><</u> 30	3	OK	OK	OK	OK	OK	OK	NO	NO	NC
20 (11 <u>x</u> 00	2 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NC
	3 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	Ok
	2	OK	OK	OK	OK	OK	OK	OK	OK	NC
30 < h <u><</u> 40	3	OK	OK	OK	OK	OK	OK	NO	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NC
	3 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	Ok
	2	OK	OK	OK	OK	OK	OK	OK	OK	NC
40 < h <u><</u> 50	3	OK	OK	OK	OK	OK	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NC
	3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	Oł
	2	OK	OK	OK	OK	OK	OK	OK	NO	NC
50 < h <u><</u> 60	3	OK	OK	OK	OK	OK	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NC
	3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NC

Maria Brasilla (CI)	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 15	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
15 < h <u><</u> 20	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
20 < h <u><</u> 30	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
50 < h <u><</u> 60	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO



Moon Doof Hoight (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	NO
0 < h <u><</u> 15	3	OK	OK	OK	OK	OK	OK	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	3 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	NO
15 < h <u><</u> 20	3	OK	OK	OK	OK	OK	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NC
	3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	NO	NC
20 < h <u><</u> 30	3	OK	OK	OK	OK	OK	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NC
	3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	Ok
	2	OK	OK	OK	OK	OK	OK	OK	NO	NC
30 < h <u><</u> 40	3	OK	OK	OK	OK	OK	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NC
	3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	NO	NC
40 < h <u><</u> 50	3	OK	OK	OK	OK	NO	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NC
	3 Overhang	OK	OK	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	NO	NC
50 < h <u><</u> 60	3	OK	OK	OK	OK	NO	NO	NO	NO	NC
_	2 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NC
	3 Overhang	OK	OK	NO	NO	NO	NO	NO	NO	NC

Table A-2f: System No. 2: Exposure D for Slope Range				12:12)						
Maar Doof Height (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 15	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
15 < h <u><</u> 20	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
20 < h <u><</u> 30	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
50 < h <u><</u> 60	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO



B. DECRA VILLA TILE:

	-1: DECRA VIIIa T ECKS - NEW CONS		EROOF (Tear-	Off), or RECOVER (over existing as	sphalt shingles or BUR)	
System	Deck	Fire	Underlay	Panel At	tachment	MDP
No.	(See Note 1)	Barrier	Officeriay	Fasteners	Attachment	(psf)
3.	Min. 15/32" APA rated Grade CDX plywood	(Optional) See Note 2	See Note 2	No. 8 x min. 1½" long hex head screws	Spaced 10-inch apart with one fastener per tab for total of four fasteners per panel length	-52.5

Maan Doof Haight (ft)	Doof Drocours Zono				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Roof Pressure Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	NO	NO
0 < h <u><</u> 30	3	OK	OK	OK	OK	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	3 Overhang	OK	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	NO	NO	NO
30 < h <u><</u> 40	3	OK	OK	OK	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	3 Overhang	OK	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2	OK	OK	OK	OK	OK	NO	NO	NO	NO
40 < h <u><</u> 50	3	OK	OK	OK	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2	OK	OK	OK	OK	OK	NO	NO	NO	NO
50 < h <u><</u> 60	3	OK	OK	NO	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO

Table B-1b: System No. Exposure B for Slope Ra		(6.1:12 -	< pitch <	12:12)						
Maan Doof Hoight (ft)	Doof Drooming Zone				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Roof Pressure Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 30	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
50 < h <u><</u> 60	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO



Moon Boof Hoight (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2	OK	OK	OK	OK	OK	NO	NO	NO	NO
0 < h <u><</u> 15	3	OK	OK	OK	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2	OK	OK	OK	OK	OK	NO	NO	NO	NO
15 < h <u><</u> 20	3	OK	OK	NO	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2	OK	OK	OK	OK	NO	NO	NO	NO	NC
20 < h <u><</u> 30	3	OK	NO	NO	NO	NO	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NC
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	NO	NC
	2	OK	OK	OK	OK	NO	NO	NO	NO	NC
30 < h <u><</u> 40	3	NO	NO	NO	NO	NO	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NC
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	NO	NC
	2	OK	OK	OK	NO	NO	NO	NO	NO	NC
40 < h <u><</u> 50	3	NO	NO	NO	NO	NO	NO	NO	NO	NC
	2 Overhang	OK	OK	NO	NO	NO	NO	NO	NO	NC
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	NO	NC
	2	OK	OK	OK	NO	NO	NO	NO	NO	NC
50 < h <u><</u> 60	3	NO	NO	NO	NO	NO	NO	NO	NO	NC
	2 Overhang	OK	OK	NO	NO	NO	NO	NO	NO	NC
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC

Maria Baras III dalah (SI)	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
0 < h <u><</u> 15	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	NO	NO
15 < h <u><</u> 20	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	NO	NO
20 < h <u><</u> 30	2 & 3	OK	OK	OK	OK	OK	OK	NO	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	NO	NO
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	OK	NO	NO	NO
	2 & 3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	NO	NO
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	OK	OK	NO	NO	NO
	2 & 3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	NO	NO	NO
50 < h <u><</u> 60	2 & 3	OK	OK	OK	OK	OK	NO	NO	NO	NO
	2 & 3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO



Table B-1e: System No. 3:	DECRA Villa Tile									
Exposure D for Slope Rang		(1.5:12 <	pitch < 6	5.1:12)						
	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2	OK	OK	OK	OK	NO	NO	NO	NO	NO
0 < h <u><</u> 15	3	NO	NO	NO	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2	OK	OK	OK	NO	NO	NO	NO	NO	NO
15 < h <u><</u> 20	3	NO	NO	NO	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	NO	NO	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2	OK	OK	OK	NO	NO	NO	NO	NO	NO
20 < h <u><</u> 30	3	NO	NO	NO	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	NO	NO	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2	OK	OK	OK	NO	NO	NO	NO	NO	NO
30 < h <u><</u> 40	3	NO	NO	NO	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	NO	NO	NO	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	NO	NO	NO
	2	OK	OK	NO	NO	NO	NO	NO	NO	NO
40 < h <u><</u> 50	3	NO	NO	NO	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	NO	NO	NO	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	NO	NO	NO
	2	OK	OK	NO	NO	NO	NO	NO	NO	NO
50 < h <u><</u> 60	3	NO	NO	NO	NO	NO	NO	NO	NO	NO
	2 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO

Table B-1f: System No. 3: Exposure D for Slope Range		(6.1:12 -	< pitch <	12:12)						
Maar Doof Height (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	NO	NO
0 < h <u><</u> 15	2 & 3	OK	OK	OK	OK	OK	OK	NO	NO	NO
	2 & 3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	NO	NO
15 < h <u><</u> 20	2 & 3	OK	OK	OK	OK	OK	OK	NO	NO	NO
	2 & 3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	NO	NO	NO
20 < h <u><</u> 30	2 & 3	OK	OK	OK	OK	OK	NO	NO	NO	NO
	2 & 3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	NO	NO	NO
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	NO	NO	NO	NO
	2 & 3 Overhang	OK	OK	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	NO	NO	NO
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	NO	NO	NO	NO	NO
	2 & 3 Overhang	OK	OK	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	NO	NO	NO	NO
50 < h <u><</u> 60	2 & 3	OK	OK	OK	OK	NO	NO	NO	NO	NO
	2 & 3 Overhang	OK	NO	NO	NO	NO	NO	NO	NO	NO



	-2: DECRA VIIIa Ti ECKS - NEW CONS		EROOF (Tear-	Off), or RECOVER (over existing as	sphalt shingles or BUR)	
System	Deck	Fire	l la doulou	Panel Att	tachment	MDP
No.	(See Note 1)	Barrier	Underlay	Fasteners	Attachment	(psf)
4.	Min. 15/32" APA rated Grade B-C plywood	(Optional) See Note 2	See Note 2	No. 12 x min. 1½" long hex head screws with 5/16" head diameter	Spaced 10-inch apart with one fastener per tab for total of four fasteners per panel length	-76.5

Maan Doof Hoight (ft)	Doof Drocours Zone				Basic W	ind Spee	d (mph)	·		
Mean Roof Height (ft)	Roof Pressure Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	NO
0 < h <u><</u> 30	3	OK	OK	OK	OK	OK	OK	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	3 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	NO
30 < h <u><</u> 40	3	OK	OK	OK	OK	OK	OK	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	3 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	NO
40 < h <u><</u> 50	3	OK	OK	OK	OK	OK	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO
·	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	NO	NO
50 < h <u><</u> 60	3	OK	OK	OK	OK	OK	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO

Table B-2b: System No.	4: DECRA Villa Tile									
Exposure B for Slope Rai	nge 27° < slope <u><</u> 45°	(6.1:12 <	< pitch <	12:12)						
M D (64)	D f D 7				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Roof Pressure Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 30	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
50 < h <u><</u> 60	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO



Moon Doof Hoight (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	NO	NO
0 < h <u><</u> 15	3	OK	OK	OK	OK	OK	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	NO	NO
15 < h <u><</u> 20	3	OK	OK	OK	OK	OK	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	NO	NC
20 < h <u><</u> 30	3	OK	OK	OK	OK	NO	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NC
	3 Overhang	OK	OK	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	NO	NO	NC
30 < h <u><</u> 40	3	OK	OK	OK	OK	NO	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NC
	3 Overhang	OK	NO	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	Ok
	2	OK	OK	OK	OK	OK	OK	NO	NO	NC
40 < h <u><</u> 50	3	OK	OK	OK	NO	NO	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NC
	3 Overhang	OK	NO	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	Ok
	2	OK	OK	OK	OK	OK	OK	NO	NO	NC
50 < h <u><</u> 60	3	OK	OK	OK	NO	NO	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NC
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC

Table B-2d: System No. 4:										
Exposure C for Slope Range		(6.1:12 <	< pitch <u><</u>	12:12)						
Mean Roof Height (ft)	Roof Pressure		1	1	Basic W	ind Spee	d (mph)	1		
Wearr Roof Fleight (It)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 15	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
15 < h <u><</u> 20	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
20 < h <u><</u> 30	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
50 < h <u><</u> 60	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO



	ge 7° <u><</u> slope < 27° (Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	NO	NO
0 < h <u><</u> 15	3	OK	OK	OK	OK	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	3 Overhang	OK	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	NO	NO	NO
15 < h <u><</u> 20	3	OK	OK	OK	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	3 Overhang	OK	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2	OK	OK	OK	OK	OK	OK	NO	NO	NO
20 < h <u><</u> 30	3	OK	OK	OK	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2	OK	OK	OK	OK	OK	NO	NO	NO	NO
30 < h <u><</u> 40	3	OK	OK	OK	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2	OK	OK	OK	OK	OK	NO	NO	NO	NO
40 < h <u><</u> 50	3	OK	OK	NO	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2	OK	OK	OK	OK	OK	NO	NO	NO	NO
50 < h <u><</u> 60	3	OK	OK	NO	NO	NO	NO	NO	NO	NO
<u>—</u>	2 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO

Table B-2f: System No. 4: Exposure D for Slope Range		(6.1:12	< pitch <u><</u>	12:12)						
Maan Doof Haight (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 15	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
15 < h <u><</u> 20	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
20 < h <u><</u> 30	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	NO	NO
50 < h <u><</u> 60	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO



	-3: DECRA VI DECKS - NEW (ION, RERO	OOF (Tear-Of	f), or RECOV	ER (over exis	sting asphalt shing	les or BUR)	
System	Deck	Fire	Under-		Battens		Pane	I Attachment	MDP
No.	(See Note 1)	Barrier	lay	Type & Spacing	Fasteners	Attach	Fasteners	Attachment	(psf)
5.	Min. 15/32" APA rated Grade B-C plywood atop No. 2 grade SPF joists spaced 24" o.c.	(Optional) See Note 2	See Note 2	Nominal 1 x 4 wood battens spaced 14½" o.c.	No. 8 coarse thread, 2½" long with 5/16" head diameter	Two (2) screws per attachment point spaced 24" o.c. into joists	Panels to Battens: No. 12 x min. 1½" long hex head screws with 5/16" head diameter Panels to Panels: No. 8 x min. ¾" long pan head screws	Panels To Battens: 10" o.c. with one screw per shingle fastening tap and one screw next to each tab on both sides of the tab for a total of twelve (12) per panel length. Panels to Panels: 4" o.c. at each panel course seams together for a total of eight (8) per panel.	-153.0

Maan Doof Haight (ft)	Doof Drocours Zono				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Roof Pressure Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 30	3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
40 < h <u><</u> 50	3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
50 < h <u><</u> 60	3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO

Maan Doof Hoight (ft)	Roof Pressure Zone			·	Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Roof Pressure Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 30	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
50 < h <u><</u> 60	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK



Maan Doof Haimht (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 15	3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
15 < h <u><</u> 20	3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
20 < h <u><</u> 30	3	OK	OK	OK	OK	OK	OK	OK	OK	NC
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	3	OK	OK	OK	OK	OK	OK	OK	OK	NC
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
40 < h <u><</u> 50	3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
50 < h <u><</u> 60	3	OK	OK	OK	OK	OK	OK	OK	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO

Table B-3d: System No. 5:										
Exposure C for Slope Range		(6.1:12 <	< pitch <	12:12)						
Mean Roof Height (ft)	Roof Pressure				Basic W	ind Speed	d (mph)			
Wear Roof Height (11)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 15	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
15 < h <u><</u> 20	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
20 < h <u><</u> 30	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
50 < h <u><</u> 60	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK



Maan Doof Hoight (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 15	3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
15 < h <u><</u> 20	3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
20 < h <u><</u> 30	3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
40 < h <u><</u> 50	3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
50 < h <u><</u> 60	3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO

Table B-3f: System No. 5: Exposure D for Slope Range		(6.1:12	< pitch <u><</u>	12:12)						
Maan Doof Hoight (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 15	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
15 < h <u><</u> 20	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
20 < h <u><</u> 30	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
·	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
50 < h <u><</u> 60	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO



C. DECRA SHAKE XD OR SHINGLE XD:

TABLE C-1: DECRA Shake XD or Shingle XD WOOD DECKS - NEW CONSTRUCTION, REROOF (Tear-Off), or RECOVER (over existing asphalt shingles or BUR)											
System	Deck	Fire	Underlay	Panel At	tachment	MDP					
No.	(See Note 1)	Barrier	Officeriay	Fasteners	Attachment	(psf)					
6.	Min. 15/32" APA rated Grade B-C plywood	(Optional) See Note 2	See Note 2	No. 8 x min. 1½" long hex head screws with ¼" head diameter	Spaced 10-inch o.c. with one fastener per panel fastening location for a total of five (5) per panel.	-78.5					

Maar Doof Hoight (ft)	Roof Pressure Zone				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Roof Pressure Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	NO
0 < h <u><</u> 30	3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	2	OK	OK	OK	OK	OK	OK	OK	OK	NO
	3	OK	OK	OK	OK	OK	OK	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	3 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	NO
40 < h <u><</u> 50	3	OK	OK	OK	OK	OK	OK	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	3 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	NO	NO
50 < h <u><</u> 60	3	OK	OK	OK	OK	OK	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO

Manage Dane Hallada (64)	D 5 D 7				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Roof Pressure Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 30	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
50 < h <u><</u> 60	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO



Moon Boof Hoight (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	NO	NO
0 < h <u><</u> 15	3	OK	OK	OK	OK	OK	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	NO	NO
15 < h <u><</u> 20	3	OK	OK	OK	OK	OK	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
20 < h <u><</u> 30	2	OK	OK	OK	OK	OK	OK	OK	NO	NC
	3	OK	OK	OK	OK	NO	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NC
	3 Overhang	OK	OK	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	NO	NC
30 < h <u><</u> 40	3	OK	OK	OK	OK	NO	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NC
	3 Overhang	OK	OK	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	NO	NO	NC
40 < h <u><</u> 50	3	OK	OK	OK	NO	NO	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NC
	3 Overhang	OK	NO	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	Ok
	2	OK	OK	OK	OK	OK	OK	NO	NO	NC
50 < h <u><</u> 60	3	OK	OK	OK	NO	NO	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NC
	3 Overhang	OK	NO	NO	NO	NO	NO	NO	NO	NO

Table C-1d: System No. 6:		-								
Exposure C for Slope Range		(6.1:12 <	< pitch <u><</u>	12:12)						
Mean Roof Height (ft)	Roof Pressure				Basic W	ind Spee	d (mph)	•		
Mean Roof Height (it)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 15	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
15 < h <u><</u> 20	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
20 < h <u><</u> 30	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
50 < h <u><</u> 60	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO



Mean Roof Height (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
wean Rooi Height (It)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	NO	NO
0 < h <u><</u> 15	3	OK	OK	OK	OK	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	3 Overhang	OK	OK	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	NO	NO	NC
15 < h <u><</u> 20	3	OK	OK	OK	OK	NO	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NC
	3 Overhang	OK	NO	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
20 < h <u><</u> 30	2	OK	OK	OK	OK	OK	OK	NO	NO	NC
	3	OK	OK	OK	NO	NO	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NC
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	NC
	2	OK	OK	OK	OK	OK	NO	NO	NO	NC
30 < h <u><</u> 40	3	OK	OK	OK	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NC
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	NC
	2	OK	OK	OK	OK	OK	NO	NO	NO	NC
40 < h <u><</u> 50	3	OK	OK	OK	NO	NO	NO	NO	NO	NC
	2 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NC
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	NC
	2	OK	OK	OK	OK	OK	NO	NO	NO	NC
50 < h <u><</u> 60	3	OK	OK	NO	NO	NO	NO	NO	NO	NC
_	2 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NC
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC

Table C-1f: System No. 6: Exposure D for Slope Range				12:12)						
	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 15	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
15 < h <u><</u> 20	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
20 < h <u><</u> 30	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
50 < h <u><</u> 60	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
30 × 11 <u>×</u> 00	2 & 3 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO



TABLE C-2: DECRA Shake XD or Shingle XD WOOD DECKS - NEW CONSTRUCTION, REROOF (Tear-Off), or RECOVER (over existing asphalt shingles or BUR)											
System	Deck	Fire	l la doulou	Panel Att	tachment	MDP					
No.	(See Note 1)	Barrier	Underlay	Fasteners	Attachment	(psf)					
7.	Min. 15/32" APA rated Grade B-C plywood	(Optional) See Note 2	See Note 2	No. 8 x min. 1½" long hex head screws with ¼" head diameter	Spaced 5-inch o.c. with one fastener per panel fastening location for a total of ten (10) per panel.	-153.5					

Table C-2a: System No. Exposure B for Slope Ra		-		5.1:12)						
			<u> </u>		Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Roof Pressure Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 30	3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
40 < h <u><</u> 50	3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
50 < h <u><</u> 60	3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO

Table C-2b: System No.	7: DECRA Shake XD or	Shingle	XD							
Exposure B for Slope Rai	nge 27° < slope <u><</u> 45°	(6.1:12 <	< pitch <	12:12)						
Moon Doof Hoight (ft)	Doof Drocours 7000				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Roof Pressure Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 30	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
50 < h <u><</u> 60	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK



Mean Roof Height (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (It)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 15	3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
15 < h <u><</u> 20	3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
20 < h <u><</u> 30	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3	OK	OK	OK	OK	OK	OK	OK	OK	NC
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	3	OK	OK	OK	OK	OK	OK	OK	OK	NC
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	Ok
40 < h <u><</u> 50	3	OK	OK	OK	OK	OK	OK	OK	OK	NC
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	Ok
	3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	Ok
	2	OK	OK	OK	OK	OK	OK	OK	OK	Ok
50 < h <u><</u> 60	3	OK	OK	OK	OK	OK	OK	OK	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NC

Maria Baras Halada (61)	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 15	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
15 < h <u><</u> 20	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
20 < h <u><</u> 30	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
10 V II <u>V</u> 00	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
50 < h ≤ 60	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK



M D II-: (64)	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 15	3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
15 < h <u><</u> 20	3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
20 < h <u><</u> 30	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
40 < h <u><</u> 50	3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
50 < h <u><</u> 60	3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO

Table C-2f: System No. 7: Exposure D for Slope Range				12:12)						
Maar Doof Height (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 15	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
15 < h <u><</u> 20	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
20 < h <u><</u> 30	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OK
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
·	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
50 < h <u><</u> 60	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO



D. DECRA SHINGLE:

TABLE D-1: DECRA Shingle WOOD DECKS - NEW CONSTRUCTION, REROOF (Tear-Off), or RECOVER (over existing asphalt shingles or BUR)											
System	Deck	Fire	Underlay	Panel At	tachment	MDP					
No.	(See Note 1)	Barrier	Officeriay	Fasteners	Attachment	(psf)					
8.	Min. 15/32" APA rated Grade B-C plywood	(Optional) See Note 2	See Note 2	No. 9 x min. 1½" long hex head screws with ¼" head diameter	Four (4) fasteners per panel in pre-formed holes.	-30.0					

M D II-: (64)	Df D 7				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Roof Pressure Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2	OK	OK	OK	NO	NO	NO	NO	NO	NO
0 < h <u><</u> 30	3	NO	NO	NO	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	NO	NO	NO	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	NO	NO	NO
	2	OK	OK	NO	NO	NO	NO	NO	NO	NO
30 < h <u><</u> 40	3	NO	NO	NO	NO	NO	NO	NO	NO	NO
	2 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	NO	NO	NO	NO
	2	OK	NO	NO	NO	NO	NO	NO	NO	NO
40 < h <u><</u> 50	3	NO	NO	NO	NO	NO	NO	NO	NO	NO
	2 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
·	1	OK	OK	OK	OK	OK	NO	NO	NO	NO
	2	OK	NO	NO	NO	NO	NO	NO	NO	NO
50 < h <u><</u> 60	3	NO	NO	NO	NO	NO	NO	NO	NO	NO
	2 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO

Table D-1b: System No. Exposure B for Slope Ra		(6.1:12 <	< pitch <u><</u>	12:12)						
Maar Doof Hoight (ft)	Doof Drooming Zone				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Roof Pressure Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	NO	NO	NO
0 < h <u><</u> 30	2 & 3	OK	OK	OK	OK	OK	NO	NO	NO	NO
	2 & 3 Overhang	OK	OK	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	NO	NO	NO	NO
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	NO	NO	NO	NO	NO
	2 & 3 Overhang	OK	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	NO	NO	NO	NO
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	NO	NO	NO	NO	NO
	2 & 3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	NO	NO	NO	NO	NO
50 < h <u><</u> 60	2 & 3	OK	OK	OK	NO	NO	NO	NO	NO	NO
	2 & 3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO



Moon Doof Hoight (ft)	Roof Pressure	1			Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	NO	NO	NO	NO
	2	OK	NO	NO	NO	NO	NO	NO	NO	NO
0 < h <u><</u> 15	3	NO	NO	NO	NO	NO	NO	NO	NO	NO
	2 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	NO	NO	NO	NO
	2	NO	NO	NO	NO	NO	NO	NO	NO	NO
15 < h <u><</u> 20	3	NO	NO	NO	NO	NO	NO	NO	NO	NO
	2 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	NO	NO	NO	NO	NO
20 < h <u><</u> 30	2	NO	NO	NO	NO	NO	NO	NO	NO	NO
	3	NO	NO	NO	NO	NO	NO	NO	NO	NO
	2 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	NO	NO	NO	NO	NO
	2	NO	NO	NO	NO	NO	NO	NO	NO	NC
30 < h <u><</u> 40	3	NO	NO	NO	NO	NO	NO	NO	NO	NC
	2 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	NO	NO	NO	NO	NO	NC
	2	NO	NO	NO	NO	NO	NO	NO	NO	NC
40 < h <u><</u> 50	3	NO	NO	NO	NO	NO	NO	NO	NO	NC
	2 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	NO	NO	NO	NO	NO	NC
	2	NO	NO	NO	NO	NO	NO	NO	NO	NC
50 < h <u><</u> 60	3	NO	NO	NO	NO	NO	NO	NO	NO	NC
	2 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC

Maria Brasilla (CI)	Roof Pressure			•	Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	NO	NO	NO	NO	NO
0 < h <u><</u> 15	2 & 3	OK	OK	OK	NO	NO	NO	NO	NO	NO
	2 & 3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	NO	NO	NO	NO	NO
15 < h <u><</u> 20	2 & 3	OK	OK	OK	NO	NO	NO	NO	NO	NO
	2 & 3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	NO	NO	NO	NO	NO	NO
20 < h <u><</u> 30	2 & 3	OK	OK	OK	NO	NO	NO	NO	NO	NO
	2 & 3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	NO	NO	NO	NO	NO	NO
30 < h <u><</u> 40	2 & 3	OK	OK	NO	NO	NO	NO	NO	NO	NO
	2 & 3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	NO	NO	NO	NO	NO	NO
40 < h <u><</u> 50	2 & 3	OK	NO	NO	NO	NO	NO	NO	NO	NO
	2 & 3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	NO	NO	NO	NO	NO	NO
50 < h <u><</u> 60	2 & 3	OK	NO	NO	NO	NO	NO	NO	NO	NO
	2 & 3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO



Mean Roof Height (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Rooi Height (It)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	NO	NO	NO	NO	NO
	2	NO	NO	NO	NO	NO	NO	NO	NO	NO
0 < h <u><</u> 15	3	NO	NO	NO	NO	NO	NO	NO	NO	NO
	2 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	NO	NO	NO	NO	NO	NO
	2	NO	NO	NO	NO	NO	NO	NO	NO	NO
15 < h <u><</u> 20	3	NO	NO	NO	NO	NO	NO	NO	NO	NC
	2 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	NO	NO	NO	NO	NO	NC
20 < h <u><</u> 30	2	NO	NO	NO	NO	NO	NO	NO	NO	NC
	3	NO	NO	NO	NO	NO	NO	NO	NO	NC
	2 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	OK	NO	NO	NO	NO	NO	NC
	2	NO	NO	NO	NO	NO	NO	NO	NO	NC
30 < h <u><</u> 40	3	NO	NO	NO	NO	NO	NO	NO	NO	NC
	2 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	NO	NO	NO	NO	NO	NO	NC
	2	NO	NO	NO	NO	NO	NO	NO	NO	NC
40 < h <u><</u> 50	3	NO	NO	NO	NO	NO	NO	NO	NO	NC
	2 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	1	OK	OK	NO	NO	NO	NO	NO	NO	NC
	2	NO	NO	NO	NO	NO	NO	NO	NO	NC
50 < h <u><</u> 60	3	NO	NO	NO	NO	NO	NO	NO	NO	NC
_	2 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NC

Table D-1f: System No. 8: Exposure D for Slope Range		(6.1:12 -	< pitch <	12:12)						
Maan Doof Height (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
Mean Roof Height (ft)	Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	NO	NO	NO	NO	NO	NO
0 < h <u><</u> 15	2 & 3	OK	OK	NO	NO	NO	NO	NO	NO	NO
	2 & 3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	NO	NO	NO	NO	NO	NO
15 < h <u><</u> 20	2 & 3	OK	NO	NO	NO	NO	NO	NO	NO	NO
	2 & 3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	NO	NO	NO	NO	NO	NO	NO
20 < h <u><</u> 30	2 & 3	OK	NO	NO	NO	NO	NO	NO	NO	NO
	2 & 3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	NO	NO	NO	NO	NO	NO	NO
30 < h <u><</u> 40	2 & 3	NO	NO	NO	NO	NO	NO	NO	NO	NO
	2 & 3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	NO	NO	NO	NO	NO	NO	NO	NO
40 < h <u><</u> 50	2 & 3	NO	NO	NO	NO	NO	NO	NO	NO	NO
	2 & 3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	NO	NO	NO	NO	NO	NO	NO	NO
50 < h <u><</u> 60	2 & 3	NO	NO	NO	NO	NO	NO	NO	NO	NO
50 < n <u><</u> 60	2 & 3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO



TABLE D-2: DECRA Shingle WOOD DECKS - NEW CONSTRUCTION, REROOF (Tear-Off), or RECOVER (over existing asphalt shingles or BUR)											
System	Deck	Fire	l los de oles s	Panel At	tachment	MDP					
No.	(See Note 1)	Barrier	Underlay	Fasteners	Attachment	(psf)					
9.	Min. 15/32" APA rated Grade B-C plywood	(Optional) See Note 2	See Note 2	No. 9 x min. 1½" long hex head screws with ¼" head diameter	Four (4) fasteners in pre-formed holes and four (4) fasteners centered between pre-formed holes for a total of eight (8) per panel.	-52.5					

Maan Doof Hoight (ft)	Doof Drocours Zone				Basic W	ind Spee	d (mph)	·		
Mean Roof Height (ft)	Roof Pressure Zone	110	115	120	130	140	150	160	180 OK NO NO NO NO NO OK NO	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	NO	NO
0 < h <u><</u> 30	3	OK	OK	OK	OK	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	3 Overhang	OK	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
30 < h <u><</u> 40	2	OK	OK	OK	OK	OK	OK	NO	NO	NO
	3	OK	OK	OK	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	3 Overhang	OK	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2	OK	OK	OK	OK	OK	NO	NO	NO	NO
40 < h <u><</u> 50	3	OK	OK	OK	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2	OK	OK	OK	OK	OK	NO	NO	NO	NO
50 < h <u><</u> 60	3	OK	OK	NO	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO

Table D-2b: System No.										
Exposure B for Slope Ra	nge 27° < slope <u><</u> 45°	(6.1:12 <	< pitch <u><</u>	12:12)						
Mean Roof Height (ft)	Roof Pressure Zone				Basic W	ind Spee	d (mph)			
Wear Roof Height (It)	Roof Fressure Zone	110	115	120	130	140	150	160	180	200
	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
0 < h <u><</u> 30	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	OK	OK	OK	NO
30 < h <u><</u> 40	2 & 3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
50 < h <u><</u> 60	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO



Mean Roof Height (ft)	e 7° ≤ slope < 27° (1.5:12 < pitch ≤ 6.1:12) Roof Pressure Basic Wind Speed (mph)									
	Zone	110	115	120	130	140	150	160	180	200
0 < h <u><</u> 15	1	OK	NO							
	2	OK	OK	OK	OK	OK	NO	NO	NO	NO
	3	OK	OK	OK	NO	NO	NO	NO	NO	NO
	2 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	3 Overhang	NO								
15 < h <u><</u> 20	1	OK	NO							
	2	OK	OK	OK	OK	OK	NO	NO	NO	NO
	3	OK	OK	NO						
	2 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO
	3 Overhang	NO								
20 < h ≤ 30	1	OK	NO	NO						
	2	OK	OK	OK	OK	NO	NO	NO	NO	NO
	3	OK	NO							
	2 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO
	3 Overhang	NO								
	1	OK	NO	NO						
	2	OK	OK	OK	OK	NO	NO	NO	NO	NO
30 < h <u><</u> 40	3	NO								
	2 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO
	3 Overhang	NO								
	1	OK	NO	NO						
40 < h <u><</u> 50	2	OK	OK	OK	NO	NO	NO	NO	NO	NO
	3	NO								
	2 Overhang	OK	OK	NO						
	3 Overhang	NO								
50 < h <u><</u> 60	1	OK	NO	NO						
	2	OK	OK	OK	NO	NO	NO	NO	NO	NO
	3	NO								
	2 Overhang	OK	OK	NO						
	3 Overhang	NO								

Mean Roof Height (ft)	Roof Pressure Zone	Basic Wind Speed (mph)									
		110	115	120	130	140	150	160	180	200	
0 < h <u><</u> 15	1	OK	OK	OK	OK	OK	OK	OK	OK	NO	
	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO	
	2 & 3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NO	
15 < h <u><</u> 20	1	OK	OK	OK	OK	OK	OK	OK	NO	NO	
	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO	
	2 & 3 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO	
20 < h <u><</u> 30	1	OK	OK	OK	OK	OK	OK	OK	NO	NO	
	2 & 3	OK	OK	OK	OK	OK	OK	NO	NO	NO	
	2 & 3 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO	
30 < h <u><</u> 40	1	OK	OK	OK	OK	OK	OK	OK	NO	NO	
	2 & 3	OK	OK	OK	OK	OK	OK	NO	NO	NO	
	2 & 3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO	
40 < h <u><</u> 50	1	OK	OK	OK	OK	OK	OK	OK	NO	NO	
	2 & 3	OK	OK	OK	OK	OK	OK	NO	NO	NO	
	2 & 3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO	
50 < h <u><</u> 60	1	OK	OK	OK	OK	OK	OK	NO	NO	NO	
	2 & 3	OK	OK	OK	OK	OK	NO	NO	NO	NO	
	2 & 3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO	



Mean Roof Height (ft)	Roof Pressure		1.5:12 < pitch ≤ 6.1:12) Basic Wind Speed (mph)									
	Zone	110	115	120	130	140	150	160	180	200		
0 < h <u><</u> 15	1	OK	OK	OK	OK	OK	OK	OK	NO	NO		
	2	OK	OK	OK	OK	NO	NO	NO	NO	NO		
	3	NO	NO	NO	NO	NO	NO	NO	NO	NO		
	2 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO		
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO		
	1	OK	OK	OK	OK	OK	OK	OK	NO	NO		
	2	OK	OK	OK	NO	NO	NO	NO	NO	NO		
15 < h <u><</u> 20	3	NO	NO	NO	NO	NO	NO	NO	NO	NO		
	2 Overhang	OK	OK	NO								
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO		
20 < h <u><</u> 30	1	OK	OK	OK	OK	OK	OK	OK	NO	NO		
	2	OK	OK	OK	NO	NO	NO	NO	NO	NO		
	3	NO	NO	NO	NO	NO	NO	NO	NO	NO		
	2 Overhang	OK	OK	NO								
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO		
	1	OK	OK	OK	OK	OK	OK	OK	NO	NO		
	2	OK	OK	OK	NO	NO	NO	NO	NO	NO		
30 < h <u><</u> 40	3	NO	NO	NO	NO	NO	NO	NO	NO	NO		
_	2 Overhang	OK	NO	NO	NO	NO	NO	NO	NO	NO		
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO		
40 < h <u><</u> 50	1	OK	OK	OK	OK	OK	OK	NO	NO	NO		
	2	OK	OK	NO								
	3	NO	NO	NO	NO	NO	NO	NO	NO	NO		
	2 Overhang	OK	NO	NO	NO	NO	NO	NO	NO	NO		
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO		
50 < h <u><</u> 60	1	OK	OK	OK	OK	OK	OK	NO	NO	NO		
	2	OK	OK	NO								
	3	NO	NO	NO	NO	NO	NO	NO	NO	NO		
	2 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO		
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO		

Table D-2f: System No. 9: Exposure D for Slope Range		(6.1:12 -	< pitch <	12:12)								
Mean Roof Height (ft)	Roof Pressure		Basic Wind Speed (mph)									
	Zone	110	115	120	130	140	150	160	180	200		
	1	OK	OK	OK	OK	OK	OK	OK	NO	NO		
0 < h <u><</u> 15	2 & 3	OK	OK	OK	OK	OK	OK	NO	NO	NO		
	2 & 3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO		
	1	OK	OK	OK	OK	OK	OK	OK	NO	NO		
15 < h <u><</u> 20	2 & 3	OK	OK	OK	OK	OK	OK	NO	NO	NO		
	2 & 3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO		
20 < h <u><</u> 30	1	OK	OK	OK	OK	OK	OK	NO	NO	NO		
	2 & 3	OK	OK	OK	OK	OK	NO	NO	NO	NO		
	2 & 3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO		
	1	OK	OK	OK	OK	OK	OK	NO	NO	NO		
30 < h <u><</u> 40	2 & 3	OK	OK	OK	OK	OK	NO	NO	NO	NO		
	2 & 3 Overhang	OK	OK	NO	NO	NO	NO	NO	NO	NO		
	1	OK	OK	OK	OK	OK	OK	NO	NO	NO		
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	NO	NO	NO	NO	NO		
	2 & 3 Overhang	OK	OK	NO	NO	NO	NO	NO	NO	NO		
50 < h <u><</u> 60	1	OK	OK	OK	OK	OK	NO	NO	NO	NO		
	2 & 3	OK	OK	OK	OK	NO	NO	NO	NO	NO		
	2 & 3 Overhang	OK	NO	NO	NO	NO	NO	NO	NO	NO		