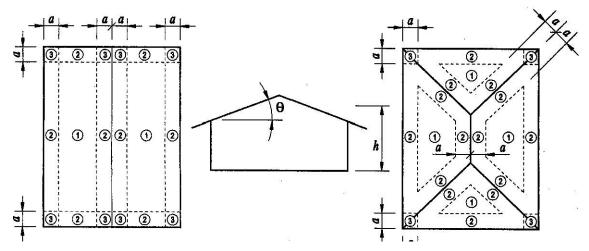


APPENDIX 1: ATTACHMENT REQUIREMENTS FOR DESIGN WIND PRESSURE RESISTANCE:

Table	Application Method	System	MDP (Max Design Pressure)	Page
A-1	Wood Battens w/ Four (4) Screws per Panel	1	-86.0 psf	3-5
A-2	Wood Battens w/ Seven (7) Screws per Panel	2	-153.6 psf	6-8
B-1	Steel Battens w/ Four (4) Screws per Panel	3	-59.75 psf	9-11
B-2	Steel Battens w/ Seven (7) Screws per Panel	4	-116.0 psf	12-14
C-1	Wood Counter-Battens w/ Four (4) Screws per Panel	6	-78.5 psf	15-17
C-2	Wood Counter-Battens w/ Seven (7) Screws per Panel	7	-146.0 psf	18-20

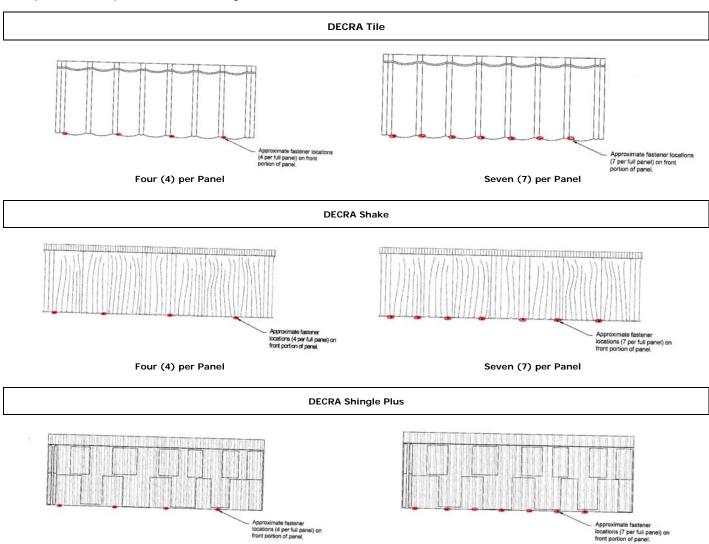
- 1. Unless otherwise noted, roof deck shall be specified and installed in accordance with FBC requirements to the satisfaction of the AHJ, but not less than minimum 15/32" plywood attached with minimum 8d by 2-3/8" long smooth shank nails spaced 6" o.c. at board edges and 6" o.c. at center supports 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 2010 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.



- 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.



11. The panel attachment configurations for DECRA Tile, Shake or Shingle Plus noted herein call for either four (4) or seven (7) fasteners per panel. Fastener placement for these configurations are outlined below.



Four (4) per Panel

Seven (7) per Panel



	1: DECRA Shake, T	•	Plus <i>(over Wood Bat</i> ROOF (Tear-Off)	tens w/ Four Sc	rews per Panel)					
System	Deck	Fire		Battens		Panel A	ttachment	MDP		
No.	O. (See Note 1) Barrier / Underlay		(See Note 1) Barrier /		Туре	Fasteners	Attachment	Fasteners	Attachment	(psf)
1.	Min. 15/32" APA rated CDX plywood over wood supports spaced max. 24" o.c.	See Note 2	Nominal 2 x 2 inch wood spaced 12- 5/8" o.c. for Shake or 14½-inch o.c. for Tile or Shingle Plus	No. 9 x 3½" long coated all purpose steel exterior wood screws	One (1) screw at each intersection with joists, max. 24" o.c.	No. 8 x min. 1½" long hex head screws	Four (4) per panel	-86.0		

M D II-: (ft)	D f D				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	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	NO
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	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	OK	NO
50 < h <u><</u> 60	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

Maan Doof Hoight (ft)	Doof Drooming Zone				Basic W	ind Speed	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	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



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	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
20 < h <u><</u> 30	2	OK	OK	OK	OK	OK	OK	OK	NO	NC
	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	NO	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	NO	NO	NO	NC
	3 Overhang	OK	OK	NO	NO	NO	NO	NO	NO	NC

Table A-1d: System No. 1:					l Battens	with Fou	r Screws	per Pane	e <i>l)</i>	
Exposure C for Slope Range	<u> 27° < slope < 45°</u>	(6.1:12 <	< pitch <	12:12)						
Mean Roof Height (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
Wealt 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	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



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	NO	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
15 < h <u><</u> 20	3	OK	OK	OK	OK	NO	NO	NO	NO	NC
	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	Ol
20 < h <u><</u> 30	2	OK	OK	OK	OK	OK	OK	OK	NO	N
	3	OK	OK	OK	OK	NO	NO	NO	NO	N
	2 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	N
	3 Overhang	OK	NO	NO	NO	NO	NO	NO	NO	N
	1	OK	OK	OK	OK	OK	OK	OK	OK	0
	2	OK	OK	OK	OK	OK	OK	NO	NO	N
30 < h <u><</u> 40	3	OK	OK	OK	NO	NO	NO	NO	NO	N
	2 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	N
	3 Overhang	OK	NO	NO	NO	NO	NO	NO	NO	N
	1	OK	OK	OK	OK	OK	OK	OK	OK	0
	2	OK	OK	OK	OK	OK	OK	NO	NO	N
40 < h <u><</u> 50	3	OK	OK	OK	NO	NO	NO	NO	NO	N
_	2 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	N
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	N
	1	OK	OK	OK	OK	OK	OK	OK	OK	N
	2	OK	OK	OK	OK	OK	OK	NO	NO	NO
50 < h <u><</u> 60	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

Table A-1f: System No. 1: Exposure D for Slope Range					Battens	with Foul	Screws	per Pane	rI)	
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	NO
	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	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	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	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



	2: DECRA Shake, T	•	Plus <i>(over Wood Bat</i> ROOF (Tear-Off)	tens with Seven So	crews per Panel)			
System	Deck	Fire		Battens		Panel Atta	achment	MDP
No.	(See Note 1)	Barrier / Underlay	Туре	Fasteners	Attachment	Fasteners	Attachment	(psf)
2.	Min. 15/32" APA rated CDX plywood over wood supports spaced max. 24" o.c.	See Note 2	Nominal 2 x 2 inch wood spaced 12- 5/8" o.c. for Shake or 14½-inch o.c. for Tile or Shingle Plus	At Joists: No. 9 x 3½" long coated all purpose steel exterior wood screws Btwn Joists: No. 8 x 2½" long coated all purpose steel exterior wood screws	At Joists: Two (2) screws at each intersection with joists, max. 24" o.c. Btwn Joists: One (1) screw between joists.	No. 8 x min. 1½" long hex head screws	Seven (7) per panel	-153.5

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> 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	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	OH
30 < h <u><</u> 40	2	OK	OK	OK	OK	OK	OK	OK	OK	Ol
	3	OK	OK	OK	OK	OK	OK	OK	OK	Ol
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OI
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK OK OK OK OK OK OK	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	OI
	2	OK	OK	OK	OK	OK	OK	OK	OK	Ol
40 < h <u><</u> 50	3	OK	OK	OK	OK	OK	OK	OK	OK	Ol
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OI
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	Ol
	2	OK	OK	OK	OK	OK	OK	OK	OK	Ol
50 < h <u><</u> 60	3	OK	OK	OK	OK	OK	OK	OK	OK	Ol
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OH
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NC

Table A-2b: System No. 2: I Exposure B for Slope Range					l Battens	with Sev	en Screw	s per Pai	nel)	
	Roof Pressure	(0.1.12	· pitcii <u>·</u>	12.12)	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> 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 Hainbt (ft)	Roof Pressure				Basic W	ind Speed	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
20 < h <u><</u> 30	2	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2 Overhang	OK	OK	OK	OK	OK	OK OK OK NO OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK OK 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	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	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	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO

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
<u></u> 55	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	NC
	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	NC
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	NO
	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
30 < h <u><</u> 40	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	OK
40 < h <u><</u> 50	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	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	NC
	3 Overhang	OK	OK	OK	OK	OK	NO	NO	NO	NC

M D (11-1-1-4 (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
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



	I: DECRA Shake, T CKS - NEW CONST	-	Plus <i>(over Steel Batt</i> ROOF (Tear-Off)	tens w/ Four Scr	ews per Panel)			
System	Deck	Fire		Battens		Panel Atta	achment	MDP
No.	(See Note 1)	Barrier / Underlay	Туре	Fasteners	Attachment	Fasteners	Attachment	(psf)
3.	Min. 15/32" APA rated CDX plywood over wood supports spaced max. 24" o.c.	See Note 2	Min. 2.5" x 7/8" steel spaced 12- 5/8" o.c. for Shake or 14½-inch o.c. for Tile or Shingle Plus	At Joists: No. 8 x 2½" long hex head steel screws Btwn Joists: No. 8 x 1½" long hex head steel screws	At Joists: Two (2) screws at each intersection with joists, max. 24" o.c. Btwn Joists: One (1) set of two (2) screws between joists.	No. 8 x min. 1½" long hex head screws	Four (4) per panel	-59.75

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	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	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	NC
30 < h <u><</u> 40	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
40 < h <u><</u> 50	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
50 < h <u><</u> 60	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	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	OK	NO	NO	NO	NO	NO	NO	NO	NC

Maan Doof Hoight (ft)	Roof Pressure	Basic Wind Speed (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> 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	NO	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	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	NC		
	2 & 3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO		



Mean Roof Height (ft)	Roof Pressure				Basic W	ind Speed	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	NO	NO	NO
0 < h <u><</u> 15	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	NC
	2	OK	OK	OK	OK	OK	OK	NO	NO	NC
15 < h <u><</u> 20	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	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	NO
	2	OK	OK	OK	OK	OK	NO	NO	NO	N
20 < h <u><</u> 30	3	OK	OK	NO	NO	NO	NO	NO	NO	N
	2 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	N
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	N
	1	OK	OK	OK	OK	OK	OK	OK	OK	N
	2	OK	OK	OK	OK	OK	NO	NO	NO	N
30 < h <u><</u> 40	3	OK	OK	NO	NO	NO	NO	NO	NO	N
_	2 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	N
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	N
	1	OK	OK	OK	OK	OK	OK	OK	OK	N
	2	OK	OK	OK	OK	NO	NO	NO	NO	N
40 < h <u><</u> 50	3	OK	NO	NO	NO	NO	NO	NO	NO	N
_	2 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	N
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	N
	1	OK	OK	OK	OK	OK	OK	OK	NO	N
	2	OK	OK	OK	OK	NO	NO	NO	NO	N
50 < h <u><</u> 60	3	OK	NO	NO	NO	NO	NO	NO	NO	N
	2 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO
	3 Overhang	NO	NO	NO	NO	NO	NO	NO	NO	NO

	e 27° < slope <u><</u> 45° 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	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	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	OK	NO	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	NO	NO
30 < h <u><</u> 40	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
40 < h <u><</u> 50	2 & 3	OK	OK	OK	OK	OK	OK	OK	NO	NO
10 \ 11 <u>4</u> 00	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	NO	NO	NO
	2 & 3 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO



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	NO
	2	OK	OK	OK	OK	OK	NO	NO	NO	NO
0 < h <u><</u> 15	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	NO	NO	NO	NO	NO
15 < h <u><</u> 20	3	OK	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	OK	NO	NO	NO	NO	NO
20 < h <u><</u> 30	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	OK	NO	NO	NO	NO	NO
30 < h <u><</u> 40	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
40 < h <u><</u> 50	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
50 < h <u><</u> 60	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

Table B-1f: System No. 3: Exposure D for Slope Range					Battens v	vith Four	Screws p	er Panel)	
Mana Dane Hainba (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	NO	NO
0 < h <u><</u> 15	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
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	NO	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	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
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



	2: DECRA Shake, T	-	Plus <i>(over Steel Batt</i> ROOF (Tear-Off)	tens with Seven	Screws per Panel)			
System	Deck	Fire		Battens		Panel Att	achment	MDP
No.	(See Note 1)	Barrier / Underlay	Туре	Fasteners	Attachment	Fasteners	Attachment	(psf)
4.	Min. 15/32" APA rated CDX plywood over wood supports spaced max. 24" o.c.	See Note 2	Min. 2.5" x 7/8" steel spaced 12- 5/8" o.c. for Shake or 14½-inch o.c. for Tile or Shingle Plus	At Joists: No. 8 x 2½" long hex head steel screws Btwn Joists: No. 8 x 1½" long hex head steel screws	At Joists: Two (2) screws at each intersection with joists, max. 24" o.c. Btwn Joists: Three (3) sets of two (2) screws equally spaced between joists (6" o.c.)	No. 8 x min. 1½" long hex head screws	Seven (7) per panel	-116.0

Table B-2a System No. 4: I Exposure B for Slope Range					Battens v	vith Seve	n Screws	per Pane	el)	
	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> 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	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
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	NO
50 < h <u><</u> 60	1	OK	OK	OK	OK	OK	OK	OK	OK	OK
	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	OK
	3 Overhang	OK	OK	OK	OK	OK	OK	NO	NO	NO

Table B-2b: System No. 4: I Exposure B for Slope Range					Battens	with Seve	en Screws	s per Pan	el)	
M D (11-1-1-1-1 (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> 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 Speed	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	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
15 < h <u><</u> 20	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
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	NO	NO	NO	NO
	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	OK	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	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	NO
40 < h <u><</u> 50	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
50 < h <u><</u> 60	3	OK	OK	OK	OK	OK	OK	NO	NO	NC
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	3 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO

Table B-2d: System No. 4: Exposure C for Slope Range					Battens	with Seve	en Screws	s per Pan	nel)	
Mana Dane Hainba (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
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	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	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



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	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
15 < h <u><</u> 20	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	NO
20 < h <u><</u> 30	3	OK	OK	OK	OK	OK	OK	NO	NO	NO
	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	Ol
	2	OK	OK	OK	OK	OK	OK	OK	OK	NO
30 < h <u><</u> 40	3	OK	OK	OK	OK	OK	NO	NO	NO	N
_	2 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	N
	3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	Ol
	2	OK	OK	OK	OK	OK	OK	OK	NO	NO
40 < h < 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	OI
	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
<u> </u>	2 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NC
	3 Overhang	OK	OK	OK	NO	NO	NO	NO	NO	NC

Table B-2f: System No. 4: I Exposure D for Slope Range					Battens v	vith Seve	n Screws	per Pan	el)	
Mana Dane Hainba (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
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



					Bat	ttens			Panel At	tachment	
System No.	Deck (See Note 1)	Fire Barrier / Underlay		ounter Batter allel with Slo		Ho	rizontal Batte	ens	Factoria	A44	MDP (psf)
			Туре	Fastener s	Attach	Туре	Fastener s	Attach	Fasteners	Attachment	
5.	Min. 15/32" APA rated CDX plywood over wood supports spaced max. 24" o.c.	See Note 2	Nominal 1 x 4 inch wood centered over joists, max. 24" o.c.	No. 16 x 3¼" smooth shank box nails	12″ o.c.	Nominal 2 x 2 inch wood spaced 12- 5/8" o.c. for Shake or 14½- inch o.c. for Tile or Shingle Plus	No. 9 x 3½" long coated all purpose steel exterior wood screws	One (1) screw at each intersectio n with joists, max. 24" o.c.	No. 8 x min. 1½" long hex head screws	Four (4) per panel	-78.5

Table C-1a: System No. 5: (over Wood Counter-Batte				nel)						
Exposure B for Slope Rang										
	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> 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
	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	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

Exposure B for Slope Range	27° < slope < 45°	(6.1:12 -	< pitch <u><</u>	12:12)						
Mean Roof Height (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
wearr Roor 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> 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



Table C-1c: System No. 5: DECRA Shake, Tile or Shingle Plus (over Wood Counter-Battens & Battens with Four Screws per Panel) Exposure C for Slope Range 7° < slope < 27° (1.5:12 < pitch < 6.1:12) **Roof Pressure** Basic Wind Speed (mph) Mean Roof Height (ft) 110 115 120 160 180 200 130 140 150 Zone OK OK ОК ОК OK OK ОК OK OK OK OK ОК OK OK 2 ОК OK NO NO 0 < h <u><</u> 15 OK NO NO OK OK OK OK NO NO 2 Overhang OK OK ОК ОК OK OK OK NO NO NO NO 3 Overhang OK OK OK NO NO NO NO OK OK ОК OK OK OK OK OK ОК ОК ОК ОК ОК ОК ОК ОК NO NO 15 < h < 20 OK OK OK OK OK NO NO NO NO 2 Overhang ОК ОК ОК ОК OK ОК ОК NO NO 3 Overhang OK NO OK OK NO NO NO NO NO OK OK OK ОК OK OK OK OK OK 2 ОК ОК ОК ОК ОК ОК ОК NO NO 20 < h < 30 3 OK OK OK OK NO NO NO NO NO 2 Overhang OK OK ОК ОК ОК ОК NO NO NO 3 Overhang OK ОК NO NO NO NO NO NO NO ОК ОК ОК ОК ОК ОК OK ОК ОК 2 OK OK ОК OK ОК OK OK NO NO $30 < h \le 40$ 3 OK OK OK OK NO NO NO NO NO 2 Overhang OK ОК ОК OK OK NO NO NO NO 3 Overhang OK OK NO NO NO NO NO NO NO OK ОК ОК ОК ОК OK OK OK OK OK ОК OK ОК OK ΩK NO NO NO 40 < h <u><</u> 50 3 OK OK OK NO NO NO NO NO NO 2 Overhang OK ОК ОК OK ОК NO NO NO NO 3 Overhang OK NO NO NO NO NO NO NO NO OK ОК ОК OK ОК OK OK OK OK OK OK NO 2 OK OK OK OK NO NO 50 < h <u><</u> 60 OK OK OK NO NO NO NO NO NO 2 Overhang OK OK OK OK OK NO NO NO NO

Table C-1d: System No. 5:	DECRA Shake, Tile	or Shingle	e Plus							
(over Wood Counter-Batte Exposure C for Slope Range										
Mean Roof Height (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
Weall 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

NO

NO

NO

NO

NO

NO

NO

NO

3 Overhang

OK



Table C-1e: System No. 5: DECRA Shake, Tile or Shingle Plus (over Wood Counter-Battens & Battens with Four Screws per Panel) Exposure D for Slope Range 7° < slope < 27° (1.5:12 < pitch < 6.1:12) **Roof Pressure** Basic Wind Speed (mph) Mean Roof Height (ft) 110 115 120 180 200 Zone 140 160 130 150 OK OK OK OK OK ΟK OK OK OK 2 OK OK OK OK OK OK OK NO NO OK OK ОК OK NO NO NO NO $0 < h \le 15$ NO 2 Overhang OK OK OK OK OK OK NO NO NO OK NO 3 Overhang ОК NO NO NO NO NO NO OK ОК ОК ОК ОК ОК NO NO NO OK ОК OK NO NO 15 < h <u><</u> 20 ΩK 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 OK ОК ОК OK ОК NO NO NO OK NO 20 < h <u><</u> 30 OK NO NO NO OK OK NO NO 2 Overhang OK OK OK OK OK NO NO NO NO 3 Overhang NO NO NO NO NO NO NO NO NO OK OK OK OK OK OK OK OK NO OK ОК OK ОК OK NO NO NO NO NO 30 < h < 40 OK OK OK NO NO NO NO NO 3 2 Overhang OK OK OK OK NO NO NO NO NO 3 Overhang NO NO NO NO NO NO NO NO NO OK OK OK OK OK OK OK OK NO 2 OK ОК OK OK ОК NO NO NO NO OK $40 < h \le 50$ 3 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 OK ОК ОК OK OK NO NO NO NO ОК $50 < h \le 60$ OK NO NO NO NO NO NO NO 2 Overhang OK ОК ОК OK NO NO NO NO NO

Exposure D for Slope Rang	<i>ns & Battens with Fo</i> e 27° < slope <u><</u> 45°									
Mean Roof Height (ft)	Roof Pressure				Basic W	ind Spee	d (mph)			
weari koor 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	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
	2 & 3 Overhang	OK	OK	OK	OK	NO	NO	NO	NO	NO

NO

NO

NO

NO

NO

NO

NO

NO

NO

3 Overhang



		ake, Tile or S	•	-			tens with Se	even Screws	per Panel)		
					Ва	ttens			Panel At	tachment	
System No.	Deck (See Note 1)	Fire Barrier / Underlay	-	ounter Batten		Ho	orizontal Batte	ens			MDP (psf)
			Туре	Fasteners	Attach	Туре	Fasteners	Attach	Fasteners	Attachment	
6.	Min. 15/32" APA rated CDX plywood over wood supports spaced max. 24" o.c.	See Note 2	Nominal 1 x 4 inch wood centered over joists, max. 24" o.c.	No. 16 x 3¼" smooth shank box nails	7" o.c.	Nominal 2 x 2 inch wood spaced 12- 5/8° o.c. for Shake or 14½- inch o.c. for Tile or Shingle Plus	No. 9 x 3½" long coated all purpose steel exterior wood screws	Two (2) screws at each intersection with joists, max. 24" o.c.	No. 8 x min. 1½" long hex head screws	Seven (7) per panel	-146.0

posure B for Slope Rang	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> 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	NC
	1	OK	OK	OK	OK	OK	OK	OK	OK	Ok
	2	OK	OK	OK	OK	OK	OK	OK	OK	OH
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	OH
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	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	OH
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	OH
	3 Overhang	OK	OK	OK	OK	OK	OK	OK	NO	NO
	1	OK	OK	OK	OK	OK	OK	OK	OK	Ol
	2	OK	OK	OK	OK	OK	OK	OK	OK	Ol
50 < h <u><</u> 60	3	OK	OK	OK	OK	OK	OK	OK	OK	OH
	2 Overhang	OK	OK	OK	OK	OK	OK	OK	OK	Ok
	3 Overhang	OK	ОК	OK	OK	OK	OK	OK	NO	NC

Table C-2b: System No. 6: DECRA Shake, Tile or Shingle Plus (over Wood Counter-Battens & Battens with Seven Screws per Panel) Exposure B for Slope Range 27° < slope < 45° (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	
0 < 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	
30 < h <u><</u> 40	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	
40 < h <u><</u> 50	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	
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	OK	OK	



Table C-2c: System No. 6: DECRA Shake, Tile or Shingle Plus (over Wood Counter-Battens & Battens with Seven Screws per Panel) Exposure C for Slope Range 7° < slope < 27° (1.5:12 < pitch < 6.1:12) **Roof Pressure** Basic Wind Speed (mph) Mean Roof Height (ft) Zone 110 115 120 160 180 200 130 140 150 OK ОК OK OK OK OK OK OK 2 OK 0 < h <u><</u> 15 OK OK ОК ΟK ΩK ΩK ΩK ΩK ΟK 2 Overhang OK OK OK OK OK OK OK OK OK 3 Overhang OK ОК ОК OK OK OK OK NO NO OK ΟK ΟK ΟK ΩK ΩK ΟK ΩK ΩK NO 15 < h <u><</u> 20 2 Overhang OK ОК OK OK OK OK ОК OK OK 3 Overhang OK ОК ОК ОК ОК ОК OK NO NO OK 20 < h < 30 OK OK OK OK ΟK 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 OK ОК OK ОК OK OK OK OK ОК $30 < h \le 40$ OK OK OK OK OK ΟK OK OK 3 NO 2 Overhang OK ОК OK OK OK OK OK OK OK ΟK ΩK ΩK ΩK ΟK NO NO NO 3 Overhang OK 2 OK ОК OK OK OK OK OK OK OK 40 < h < 50 3 OK OK OK OK OK OK OK NO NO 2 Overhang OK ОК OK ОК OK OK OK OK NO ОК 3 Overhang ΟK ΩK ΩK ΟK ΟK NO NO NO 1 OK ОК ОК ОК OK OK OK OK OK OK 50 < h < 60 OK OK OK OK OK OK NO NO 2 Overhang OK OK OK OK OK OK OK OK NO 3 Overhang ΟK ОК ΩK ОК ΟK NO NO NO OK

Table C-2d: System No. 6: DECRA Shake, Tile or Shingle Plus (over Wood Counter-Battens & Battens with Seven Screws per Panel) Exposure C for Slope Range 27° < slope < 45° (6.1:12 < pitch < 12:12) Roof Pressure Basic Wind Speed (mph) Mean Roof Height (ft) Zone 110 180 200 115 120 130 140 150 160 OK OK OK OK OK OK OK 2 & 3 ОК ΟK ΩK ΩK ΩK ΟK ΩK ΩK ΟK 0 < h <u><</u> 15 2 & 3 Overhang ОК OK OK OK OK OK OK OK OK OK ОК ОК ОК ОК ОК OK OK OK 15 < h < 20 2 & 3 OK OK OK OK OK OK OK OK OK 2 & 3 Overhang OK ΟK OK OK OK 1 20 < h <u><</u> 30 OK ОК OK OK OK ОК OK OK OK 2 & 3 2 & 3 Overhang OK 30 < h <u><</u> 40 2 & 3 OK OK OK ОК OK ОК OK OK OK 2 & 3 Overhang OK ОК OK OK OK ΩK ΩK ΩK ΟK ΩK ΩK ΩK 40 < h < 50 2 & 3 OK OK 2 & 3 Overhang OK ОК OK OK OK ОК OK ОК OK 50 < h < 60 2 & 3 OK OK OK OK OK OK OK OK OK 2 & 3 Overhang OK OK OK OK OK OK



Table C-2e: System No. 6: DECRA Shake, Tile or Shingle Plus (over Wood Counter-Battens & Battens with Seven Screws per Panel) Exposure D for Slope Range 7° < slope < 27° (1.5:12 < pitch < 6.1:12) **Roof Pressure** Basic Wind Speed (mph) Mean Roof Height (ft) 110 115 120 180 200 Zone 130 140 160 150 OK OK OK OK OK ΟK OK OK OK 2 OK ОК OK ОК ОК ОК ОК NO $0 < h \le 15$ 2 Overhang OK 3 Overhang ОК ОК OK ОК NO NO NO OK ОК ОК ОК ОК ОК ОК OK OK ОК OK OK ОК OK ОК NO 15 < h <u><</u> 20 ΟK NO 2 Overhang OK OK OK OK OK OK OK OK NO 3 Overhang OK ОК ОК OK ОК ОК NO NO NO OK ОК ОК OK ОК ОК OK ОК OK 20 < h <u><</u> 30 OK ОК OK OK OK NO OK OK NO 2 Overhang OK OK OK OK OK OK OK OK NO 3 Overhang OK OK OK OK OK NO NO NO NO OK ОК OK ОК OK OK OK ОК OK 30 < h < 40 OK OK OK OK OK NO NO 3 2 Overhang OK OK OK OK OK OK OK OK NO 3 Overhang OK ΩK ОК ΟK ОК NO NO NO NO OK OK OK OK OK OK OK OK OK 2 OK ОК OK OK OK OK OK OK NO ОК $40 < h \le 50$ 3 OK OK OK OK OK OK NO NO 2 Overhang OK OK OK OK OK OK OK ОК NO 3 Overhang OK OK ОК OK NO NO NO ΩK NO 1 OK ОК ОК OK OK ОК OK OK NO $50 < h \le 60$ OK OK OK OK OK OK OK NO NO 2 Overhang OK ОК ОК OK OK ОК OK ОК NO OK OK OK OK NO NO NO

(over Wood Counter-Batte Exposure D for Slope Rang			•	•						
Mean Roof Height (ft)	Roof Pressure									
	Zone	110	115	120	130	140	150	160	180	200
0 < h <u><</u> 15	1	OK								
	2 & 3	OK								
	2 & 3 Overhang	OK								
15 < h <u><</u> 20	1	OK								
	2 & 3	OK								
	2 & 3 Overhang	OK								
20 < h <u><</u> 30	1	OK								
	2 & 3	OK								
	2 & 3 Overhang	OK								
30 < h <u><</u> 40	1	OK								
	2 & 3	OK								
	2 & 3 Overhang	OK	NO							
40 < h <u><</u> 50	1	OK								
	2 & 3	OK								
	2 & 3 Overhang	OK	NO							
50 < h <u><</u> 60	1	OK								
	2 & 3	OK								
	2 & 3 Overhang	OK	NO							

OK

3 Overhang

NO