

2023 FBC HVHZ COMMON PRESCRIPTIVE ANCHOR/BASE SHEET ATTACHMENT PATTERNS TABLE

The **2023 RAS-117 Standard Requirements for the Mechanical Attachment of Anchor or Base Sheets to Substrates** and the **2023 RAS-128 Standard Procedures for Determining Applicable Wind Design Pressures for Low Slope Roofs**, were used in developing this table.

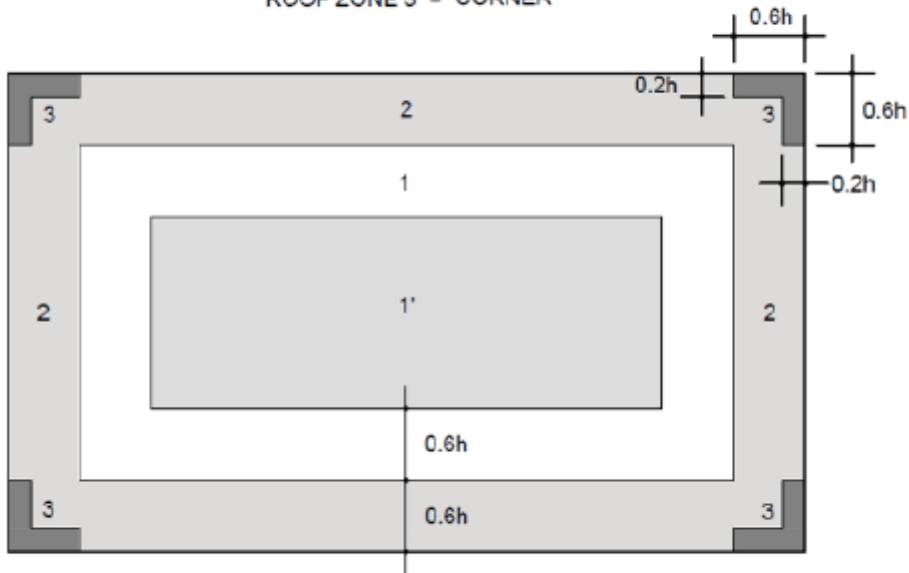
The prescriptive attachment patterns in this table are for use on **Risk Category II Buildings** with plywood substrates using exposure **Category C**, per **ASCE 7-20**. The buildings roof slope shall be no greater than 1.5/12 ft. A Miami-Dade County (**MDC**) Notice of Acceptance (**NOA**) is required, which is limited to roof systems with a maximum design pressure of -52.5 psf. General limitation #7 is also required, which allows extrapolation of additional fasteners in roof pressures zones P1, P2, P3. The maximum -52.5 psf **MDC NOA** design pressure shall be $\geq$ than the job site P1' wind uplift pressure per the listed roof mean height in **RAS-128**, in order to use the prescriptive attachment patterns listed in this table.

Roof Mean Height	Limited to a design pressure of -52.5 psf in the applicable MDC NOA	Side lap fastener spacing (in/ft)	Number of center rows	Center rows fastener spacing (in/ft)	MDC ePermitting for Contractors prescriptive attachment
Firestone Pattern ¹					
10-15 ft	Field Interior P1' (NOA spacing)	6"	2	6" o/c	P1'=P1 spacing ¹
	Field Exterior P1	4" o/c	2	4" o/c	4" o/c @ laps & 2 rows 4" o/c
	Perimeter P2	5" o/c	3	5" o/c	P2= P3 spacing ¹
	Corner P3	4" o/c	4	4" o/c	4" o/c @ laps & 4 rows 4" o/c
16-20 ft	Field Interior P1' (NOA spacing)	6" o/c	2	6" o/c	P1'=P1 spacing ¹
	Field Exterior P1	4" o/c	2	4" o/c	4" o/c @ laps & 2 rows 4" o/c
	Perimeter P2	4" o/c	3	4" o/c	P2= P3 spacing ¹
	Corner P3	4" o/c	4	4" o/c	4" o/c @ laps & 4 rows 4" o/c
21-25 ft	Field Interior P1' (NOA spacing)	6" o/c	2	6" o/c	P1'=P1 spacing ¹
	Field Exterior P1	4" o/c	2	4" o/c	4" o/c @ laps & 2 rows @ 4" o/c
	Perimeter P2	4" o/c	3	4" o/c	P2= P3 spacing ¹
	Corner P3	4" o/c	4	4" o/c	4" o/c @ laps & 4 rows 4" o/c
26-30 ft	Field Interior P1' (NOA spacing)	6" o/c	2	6" o/c	P1'=P1 spacing ¹
	Field Exterior P1	4" o/c	2	4" o/c	4" o/c @ laps & 2 rows @ 4" o/c
	Perimeter P2	4" o/c	3	4" o/c	P2= P3 spacing ¹
	Corner P3	4" o/c	5	4" o/c	4" o/c @ laps & 5 rows 4" o/c
GAF Pattern ²					
10-15 ft	Field Interior P1' (NOA spacing)	9" o/c	2	9" o/c	P1'=P1 spacing ²
	Field Exterior P1	7" o/c	2	7" o/c	6" o/c @ laps & 2 rows 6" o/c
	Perimeter P2	5" o/c	2	5" o/c	P2= P3 spacing ²
	Corner P3	5" o/c	3	5" o/c	5" o/c @ laps & 3 rows 5" o/c
16-20 ft	Field Interior P1' (NOA spacing)	9" o/c	2	9" o/c	P1'=P1 spacing ²
	Field Exterior P1	6" o/c	2	6" o/c	6" o/c @ laps & 2 rows 6" o/c
	Perimeter P2	5" o/c	2	5" o/c	P2= P3 spacing ²
	Corner P3	5" o/c	3	5" o/c	5" o/c @ laps & 3 rows 5" o/c
21-25 ft	Field Interior P1' (NOA spacing)	9" o/c	2	9" o/c	P1'=P1 spacing ²
	Field Exterior P1	6" o/c	2	6" o/c	6" o/c @ laps & 2 rows @ 6" o/c
	Perimeter P2	4" o/c	2	4" o/c	P2= P3 spacing ²
	Corner P3	4" o/c	3	4" o/c	4" o/c @ laps & 3 rows 4" o/c
26-30 ft	Field Interior P1' (NOA spacing)	9" o/c	2	9" o/c	P1'=P1 spacing ²
	Field Exterior P1	6" o/c	2	6" o/c	6" o/c @ laps & 2 rows @ 6" o/c
	Perimeter P2	4" o/c	2	4" o/c	P2= P3 spacing ²
	Corner P3	4" o/c	3	4" o/c	4" o/c @ laps & 3 rows 4" o/c
Johns Manville Pattern ³					
10-15 ft	Field Interior P1' (NOA spacing)	9" o/c	2	12" o/c	P1'=P1 spacing ³
	Field Exterior P1	8" o/c	2	8" o/c	8" o/c @ laps & 2 rows 8" o/c
	Perimeter P2	6" o/c	2	6" o/c	P2= P3 spacing ³
	Corner P3	6" o/c	3	6" o/c	6" o/c @ laps & 3 rows 6" o/c
16-20 ft	Field Interior P1' (NOA spacing)	9" o/c	2	12" o/c	P1'=P1 spacing ³
	Field Exterior P1	8" o/c	2	8" o/c	8" o/c @ laps & 2 rows 8" o/c
	Perimeter P2	6" o/c	2	6" o/c	P2= P3 spacing ³
	Corner P3	6" o/c	3	6" o/c	6" o/c @ laps & 3 rows 6" o/c
21-25 ft	Field Interior P1' (NOA spacing)	9" o/c	2	12" o/c	P1'=P1 spacing ³
	Field Exterior P1	7" o/c	2	7" o/c	7" o/c @ laps & 2 rows @ 7" o/c
	Perimeter P2	5" o/c	2	5" o/c	P2= P3 spacing ³
	Corner P3	5" o/c	3	5" o/c	5" o/c @ laps & 3 rows 5" o/c
26-30 ft	Field Interior P1' (NOA spacing)	9" o/c	2	12" o/c	P1'=P1 spacing ³
	Field Exterior P1	7" o/c	2	7" o/c	7" o/c @ laps & 2 rows @ 7" o/c
	Perimeter P2	5" o/c	2	5" o/c	P2= P3 spacing ³
	Corner P3	5" o/c	3	5" o/c	5" o/c @ laps & 3 rows 5" o/c

Tarco Pattern ⁴					<i>P1'=P1 spacing ⁴</i>
10-15 ft	Field Interior P1' (NOA spacing)	7" o/c	3	7" o/c	<i>P1'=P1 spacing ⁴</i>
	Field Exterior P1	5" o/c	3	5" o/c	5" o/c @ laps & 3 rows @ 5" o/c
	Perimeter P2	4" o/c	3	4" o/c	<i>P2= P3 spacing ⁴</i>
	Corner P3	4" o/c	4	4" o/c	4" o/c @ laps & 4 rows 4" o/c
16-20 ft	Field Interior P1' (NOA spacing)	7" o/c	3	7" o/c	<i>P1'=P1 spacing ⁴</i>
	Field Exterior P1	5" o/c	3	5" o/c	5" o/c @ laps & 3 rows @ 5" o/c
	Perimeter P2	5" o/c	4	5" o/c	<i>P2= P3 spacing ⁴</i>
	Corner P3	4" o/c	5	4" o/c	4" o/c @ laps & 5 rows 4" o/c
21-26 ft	Field Interior P1' (NOA spacing)	7" o/c	3	7" o/c	<i>P1'=P1 spacing ⁴</i>
	Field Exterior P1	5" o/c	3	5" o/c	5" o/c @ laps & 3 rows @ 5" o/c
	Perimeter P2	4" o/c	4	4" o/c	<i>P2= P3 spacing ⁴</i>
	Corner P3	4" o/c	5	4" o/c	4" o/c @ laps & 5 rows 4" o/c
26-30 ft	Field Interior P1' (NOA spacing)	7" o/c	3	7" o/c	<i>P1'=P1 spacing ⁴</i>
	Field Exterior P1	4" o/c	3	4" o/c	4" o/c @ laps & 3 rows @ 4" o/c
	Perimeter P2	4" o/c	4	4" o/c	<i>P2= P3 spacing ⁴</i>
	Corner P3	4" o/c	5	4" o/c	4" o/c @ laps & 5 rows 4" o/c
Polyglass/CertainTeed nPattern ⁵					<i>P1'=P1 spacing ⁵</i>
10-15 ft	Field Interior P1' (NOA spacing)	8" o/c	3	8" o/c	<i>P1'=P1 spacing ⁵</i>
	Field Exterior P1	6" o/c	3	6" o/c	6" o/c @ laps & 3 rows @ 6" o/c
	Perimeter P2	5" o/c	3	5" o/c	<i>P2= P3 spacing ⁵</i>
	Corner P3	4" o/c	4	4" o/c	4" o/c @ laps & 4 rows 4" o/c
16-20 ft	Field Interior P1' (NOA spacing)	8" o/c	3	8" o/c	<i>P1'=P1 spacing ⁵</i>
	Field Exterior P1	6" o/c	3	6" o/c	6" o/c @ laps & 3 rows @ 6" o/c
	Perimeter P2	5" o/c	3	5" o/c	<i>P2= P3 spacing ⁵</i>
	Corner P3	4" o/c	4	4" o/c	4" o/c @ laps & 4 rows 4" o/c
21-26 ft	Field Interior P1' (NOA spacing)	8" o/c	3	8" o/c	<i>P1'=P1 spacing ⁵</i>
	Field Exterior P1	5" o/c	3	5" o/c	5" o/c @ laps & 3 rows @ 5" o/c
	Perimeter P2	4" o/c	3	4" o/c	<i>P2= P3 spacing ⁵</i>
	Corner P3	4" o/c	4	4" o/c	4" o/c @ laps & 4 rows 4" o/c
26- 30 ft	Field Interior P1' (NOA spacing)	8" o/c	3	8" o/c	<i>P1'=P1 spacing ⁵</i>
	Field Exterior P1	5" o/c	3	5" o/c	5" o/c @ laps & 3 rows @ 5" o/c
	Perimeter P2	4" o/c	3	4" o/c	<i>P2= P3 spacing ⁵</i>
	Corner P3	4" o/c	5	4" o/c	4" o/c @ laps & 5 rows 4" o/c

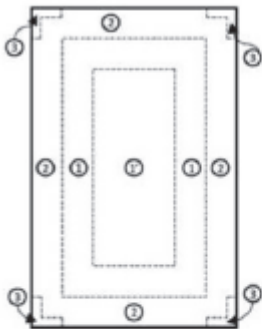
BUILDINGS $h \leq 60$ ft.
Parapet height < 3 ft.

ROOF ZONE 1' = INTERIOR
 ROOF ZONE 1 = FIELD
 ROOF ZONE 2 = PERIMETER
 ROOF ZONE 3 = CORNER

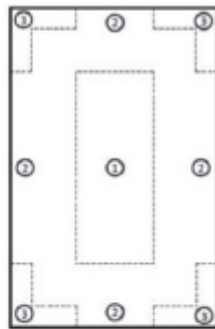


Where:

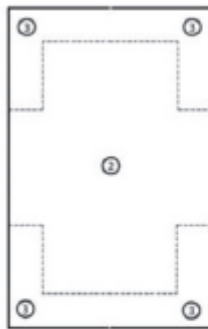
h = eave height



Buildings with least horizontal dimension greater than $2.4h$



Buildings with least horizontal dimension greater than $1.2h$ but less than $2.4h$



Buildings with least horizontal dimension less than $1.2h$ and largest horizontal dimension greater than $1.2h$



Buildings with largest horizontal dimension less than $1.2h$