Project:	MH228 retractable louvre roof, all NZ wind zones	Doc no: MH-EN-02	Rev A
Client:	MOTE Home Ltd	Date: 13/11/2026	Sheet: 1

PRELIMINARY. NOT SIGNED. FOR REVIEW AND SIGN-OFF BY A CHARTERED PROFESSIONAL ENGINEER BEFORE USE.

Roof blade design table

MH228 retractable louvre roof, blade 228 × 40 × 1.8, for wind zones as per NZS 3604.

Wind zone	Wind speed (V des)	Design wind pressure (kPa)	Blade span	Post spacing, open edge (2.8 m module)
Low	Up to 32 m/s	0.62	4.3 m	8.5 m
Medium	Up to 37 m/s	0.82	3.8 m	7.5 m
High	Up to 44 m/s	1.16	3.4 m	6.4 m
Very High	Up to 50 m/s	1.50	3.0 m	5.8 m
Extra High	Up to 55 m/s	1.82	2.8 m	5.4 m

Disclaimer: limits assume a 0° roof with height-to-width ratio not greater than 1.5. Values are preliminary, from calculation MH-EN-01, and must be confirmed by a Chartered Professional Engineer before use in a building consent.