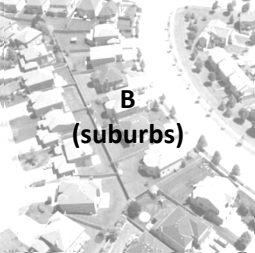
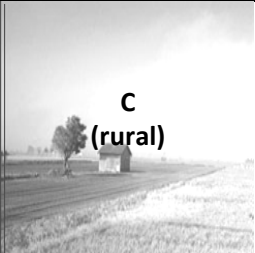



Zilla® Dual Grip (Vertical) Maximum Spans (feet-inches)



Exposure	Basic Wind Speed	0 psf Snow*		20 psf Snow*		40 psf Snow*		60 psf Snow*		100 psf Snow*	
		Interior	Edge	Interior	Edge	Interior	Edge	Interior	Edge	Interior	Edge
 B (suburbs)	90 mph	7'-7"	7'-7"	5'-0"	5'-0"	4'-0"	4'-0"	2'-3"	2'-3"	1'-4"	1'-4"
	100 mph	7'-7"	7'-5"	5'-0"	5'-0"	4'-0"	4'-0"	2'-3"	2'-3"	1'-4"	1'-4"
	110 mph	7'-7"	6'-1"	5'-0"	4'-11"	4'-0"	4'-0"	2'-3"	2'-3"	1'-4"	1'-4"
	120 mph	7'-4"	5'-7"	5'-0"	4'-7"	4'-0"	4'-0"	2'-3"	2'-3"	1'-4"	1'-4"
	130 mph	6'-1"	5'-2"	4'-10"	4'-3"	4'-0"	4'-0"	2'-3"	2'-3"	1'-4"	1'-4"
	140 mph	5'-8"	4'-9"	4'-7"	4'-0"	4'-0"	3'-10"	2'-3"	2'-3"	1'-4"	1'-4"
 C (rural)	90 mph	7'-7"	7'-0"	5'-0"	5'-0"	4'-0"	4'-0"	2'-3"	2'-3"	1'-4"	1'-4"
	100 mph	7'-5"	5'-8"	5'-0"	4'-7"	4'-0"	4'-0"	2'-3"	2'-3"	1'-4"	1'-4"
	110 mph	6'-1"	5'-2"	4'-10"	4'-3"	4'-0"	4'-0"	2'-3"	2'-3"	1'-4"	1'-4"
	120 mph	5'-7"	4'-8"	4'-6"	3'-11"	4'-0"	3'-9"	2'-3"	2'-3"	1'-4"	1'-4"
	130 mph	5'-1"	4'-4"	4'-3"	3'-8"	4'-0"	3'-6"	2'-3"	2'-3"	1'-4"	1'-4"
	140 mph	4'-9"	4'-0"	4'-0"	3'-6"	3'-9"	2'-11"	2'-3"	2'-2"	1'-4"	1'-4"
 D (shoreline)	90 mph	7'-7"	5'-9"	5'-0"	4'-8"	4'-0"	4'-0"	2'-3"	2'-3"	1'-4"	1'-4"
	100 mph	6'-2"	5'-2"	4'-11"	4'-4"	4'-0"	4'-0"	2'-3"	2'-3"	1'-4"	1'-4"
	110 mph	5'-7"	4'-9"	4'-6"	4'-0"	4'-0"	3'-9"	2'-3"	2'-3"	1'-4"	1'-4"
	120 mph	5'-1"	4'-4"	4'-3"	3'-8"	4'-0"	3'-6"	2'-3"	2'-3"	1'-4"	1'-4"
	130 mph	4'-8"	4'-0"	3'-11"	3'-5"	3'-9"	2'-11"	2'-3"	2'-2"	1'-4"	1'-4"
	140 mph	4'-4"	3'-8"	3'-9"	3'-3"	3'-6"	2'-8"	2'-3"	2'-0"	1'-4"	1'-4"
150 mph	4'-1"	3'-5"	3'-6"	2'-6"	3'-0"	2'-4"	2'-2"	1'-10"	1'-4"	1'-4"	

Assumptions:

*Roof Snow Load listed, linear interpolation is permitted

**In most cases, edge zone is approximately 3 feet from ridge line and eaves

-PhotoVoltaic Module length is 72" or less

-Building height must be less than or equal to 30 feet

-Maximum cantilever is 2'-0"/1'-3"/0'-7", respectively

-Rail splices not permitted immediately over supports or within middle 1/3 of span

-For installations that do not conform to the assumptions listed above contact Zilla for a more complete engineering analysis.

Light Detailing = Low Basic Wind Speeds & Minimal Snow Loads

Medium Detailing = Moderate Basic Wind Speeds & Snow Loads

Heavy Detailing = Increased Basic Wind Speeds & High Snow Loads

