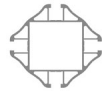
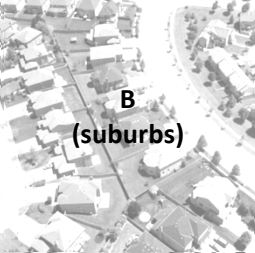
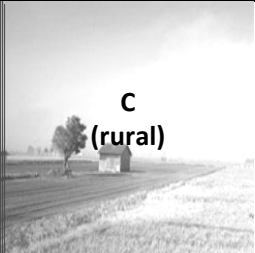



Zilla® Rac 3.5 Maximum Spans (feet-inches)



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	16'-0"	16'-0"	12'-2"	12'-2"	10'-0"	10'-0"	9'-3"	9'-3"	7'-0"	7'-0"
	100 mph	16'-0"	16'-0"	12'-2"	12'-2"	10'-0"	10'-0"	9'-3"	9'-3"	7'-0"	7'-0"
	110 mph	16'-0"	15'-4"	12'-2"	12'-2"	10'-0"	10'-0"	9'-3"	9'-3"	7'-0"	7'-0"
	120 mph	16'-0"	12'-9"	12'-2"	12'-2"	10'-0"	10'-0"	9'-3"	9'-3"	7'-0"	7'-0"
	130 mph	15'-2"	10'-9"	12'-2"	10'-9"	10'-0"	10'-0"	9'-3"	9'-3"	7'-0"	7'-0"
	140 mph	13'-0"	9'-3"	12'-2"	9'-3"	10'-0"	9'-3"	9'-3"	9'-3"	7'-0"	7'-0"
	150 mph	11'-3"	6'-5"	11'-3"	6'-5"	10'-0"	6'-5"	9'-3"	6'-5"	7'-0"	7'-0"
 C (rural)	90 mph	16'-0"	16'-0"	12'-2"	12'-2"	10'-0"	10'-0"	9'-3"	9'-3"	7'-0"	7'-0"
	100 mph	16'-0"	13'-1"	12'-2"	12'-2"	10'-0"	10'-0"	9'-3"	9'-3"	7'-0"	7'-0"
	110 mph	15'-1"	10'-9"	12'-2"	10'-9"	10'-0"	10'-0"	9'-3"	9'-3"	7'-0"	7'-0"
	120 mph	12'-7"	8'-11"	12'-2"	8'-11"	10'-0"	8'-11"	9'-3"	8'-11"	7'-0"	7'-0"
	130 mph	10'-8"	6'-1"	10'-8"	6'-1"	10'-0"	6'-1"	9'-3"	6'-1"	7'-0"	6'-1"
	140 mph	9'-1"	5'-2"	9'-1"	5'-2"	9'-1"	5'-2"	9'-3"	5'-2"	7'-0"	5'-2"
	150 mph	6'-4"	4'-6"	6'-4"	4'-6"	6'-4"	4'-6"	6'-4"	4'-6"	6'-4"	4'-6"
 D (shoreline)	90 mph	16'-0"	13'-9"	12'-2"	12'-2"	10'-0"	10'-0"	9'-3"	9'-3"	7'-0"	7'-0"
	100 mph	15'-6"	11'-0"	12'-2"	11'-0"	10'-0"	10'-0"	9'-3"	9'-3"	7'-0"	7'-0"
	110 mph	12'-8"	9'-0"	12'-2"	9'-0"	10'-0"	9'-0"	9'-3"	9'-0"	7'-0"	7'-0"
	120 mph	10'-7"	6'-0"	10'-7"	6'-0"	10'-0"	6'-0"	9'-3"	6'-0"	7'-0"	6'-0"
	130 mph	8'-11"	5'-1"	8'-11"	5'-1"	8'-11"	5'-1"	8'-11"	5'-1"	7'-0"	5'-1"
	140 mph	6'-1"	4'-4"	6'-1"	4'-4"	6'-1"	4'-4"	6'-1"	4'-4"	6'-1"	4'-4"
	150 mph	5'-4"	3'-9"	5'-4"	3'-9"	5'-4"	3'-9"	5'-4"	3'-9"	5'-4"	3'-9"

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 4'-9"/2'-10"/2'-10", 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

