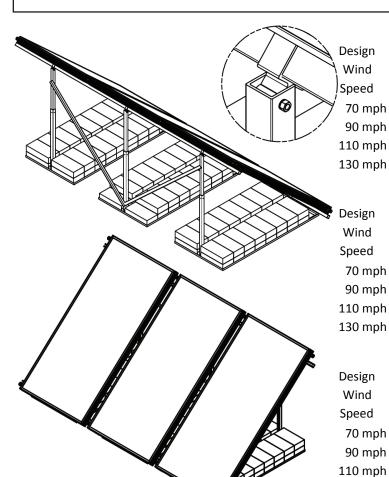


Ballasted Mounting Hardware

Project:
Engineer:
Contractor:
Submitted By:
Approved By:
Date:



Small Collectors

Collector tilt angle, degrees

15°		30°		45°		60°	
lbs	blocks	lbs	blocks	lbs	blocks	lbs	blocks
0	0	0	0	0	0	0	0
29	2	56	3	79	4	96	4
67	3	129	6	182	8	223	9
112	5	215	9	304	13	373	15

Medium Collectors

Collector tilt angle, degrees

15°		30°		45°		60°	
lbs	blocks	lbs	blocks	lbs	blocks	lbs	blocks
0	0	0	0	0	0	0	0
34	2	66	3	94	4	115	5
80	4	154	7	217	9	266	11
133	6	257	11	363	15	445	18

Large Collectors

Collector tilt angle, degrees

15°		30°		45°		60°	
lbs	blocks	lbs	blocks	lbs	blocks	lbs	blocks
0	0	0	0	0	0	0	0
43	2	83	4	117	5	144	6
99	4	192	8	271	11	333	14
166	7	321	13	454	19	556	23

Notes:

130 mph

- These numbers are for reference only. Please consult a P.E for actual ballast requirements based on wind zone and building profile.
- Consult a structural engineer for building load capacity.
- These estimates are based on 25 lbs per ballast block and 3.5 #/sq ft of collector area.
- Check with a roofer for slip sheet requirements to protect the roofing material.