

## ❖ Single Cantilever - Shared Purlin – Modules in Portrait

Single cantilever column and beam supports can be either 'Full' or 'Partial' cantilever, where the beam attaches to the column. In this form, we offer Straight or Tapered beams applied in the field by welding or bolting to the columns.

The 'Shared Purlin' design consists of (East/West) parallel purlins evenly spaced north to south, perpendicular to the solar modules length. Purlins are located under the ends of the module. Adjacent module rows share the purlin and top clamps, which are positioned onto the module frames 'short end'.

### Modules

60 cell (65"): 3, 4 or 5 rows up to 27'-7" wide

### Columns

Wide Flange Beam: ASTM A992 Gr.50

Spacing: 27ft O.C.

Finish: One coat tinted water base rust inhibitive primer

Optional: Hot Dip Galvanized ASTM A123

### Beams

Wide Flange Beam: ASTM A992 Gr. 50

Spacing: 27ft O.C.

Finish: One coat tinted water base rust inhibitive primer

Optional: Hot Dip Galvanized ASTM A123

### Purlins

Cee Purlin: Cold Formed #14ga. Steel ASTM A570 Gr. 55

Typ Size: 10" x 3-1/2"

Finish: ASTM A653 G90 Galvanized

### Trim

Purlin End Caps: Cold Formed #14ga. Steel Gr. 55

Typ Size: 10-1/8" x 2-1/8" #14ga.

Finish: ASTM A653 G90 Galvanized

### Module Mounting to Purlin

Top Clamps: W/ 2 Self Drilling Screws-#12

Option: Top Clamps W/Thru-Bolt (requires drilled hole)

Preferred: SkyGrip Top Clamps-Self Grounding

### Options

Rainproof Decking

Rain Gutters



Full Cantilever - Shared Purlin - Straight Beam



Partial Cantilever- Shared Purlin - Straight Beam



Shared Purlin –End Cap Trim



Rainproof Decking with Rain Gutter