

ORION™

SOLAR RACKING
We Make Solar Installation **Simple™**



**KRONOS CARPORT
SYSTEM**

We Make Solar Installation **Simple**[™]



OUR COMPANY

Orion Solar Racking specializes in Engineering, designing, development and manufacturing of photovoltaic mounting solutions. Since its foundation, Orion has released a wide range of quality and innovative mounting systems. We provide roofmount; ground mount; pole mount; single axis trackers; carports for Commercial, agriculture, industrial, government & educational as well as utility grade projects.

Each and every day we endeavor to make simple yet innovative solar racking solution, Orion provides LIVE technical support for all of distributors, dealers and contractors.

Here at OSR, you can trust our knowledge of installation, code compliance and necessary technical documentation to always be above the rest.

Online tools like our Web-estimator installation videos and our IN-House Research & Design teams that are eager to help you solve your toughest construction challenges. We now play a leading role in the solar industry and have a rapidly gained recognition amongst system integrators, installers and distributors across the world.

MISSION STATEMENT

Our mission has always been to provide quality products and promote green renewable energy solutions that reduce our dependency on earth depleting methods that may contaminate our environment.



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Column to Footing:

1. Place Column over pre-installed J Bolts on Concrete Footing. Ensure that carport is facing the correct direction. (Leveling nuts may be placed on J Bolts prior to installation if desired)
2. Apply 1"-8 Hex Nuts with Lock and Flat Washers to each J Bolt.
3. Tighten Nut to 313 ft-lb torque

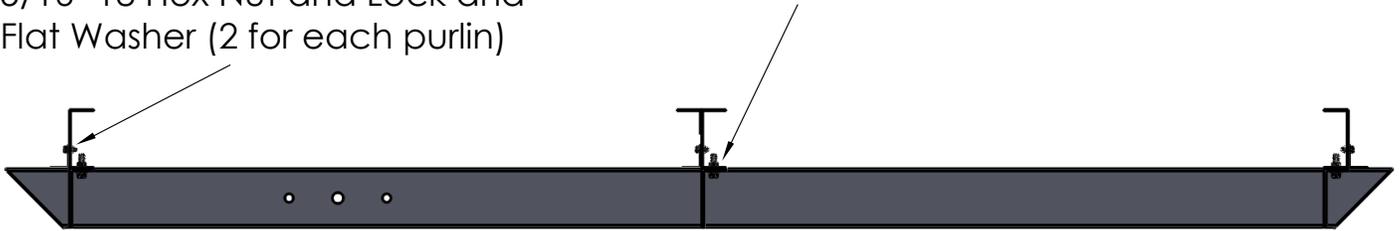


Beam to Column.

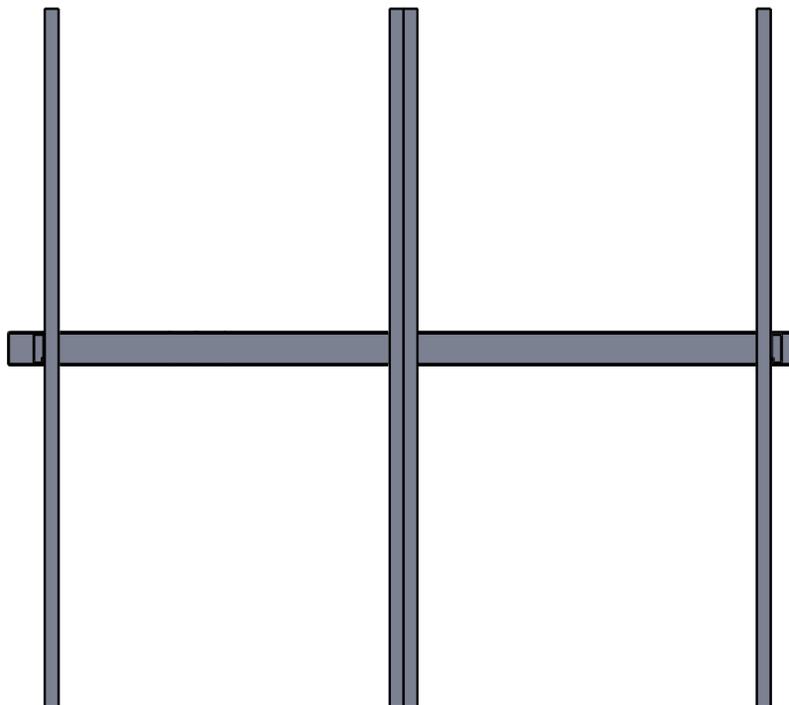
1. Place beam on ground.
2. Set purlins on beam with "back" of purlin against the L bracket. C channel purlins for ends, T shaped purlin for center.
3. Apply 5/16-18 bolts through L brackets through corresponding holes in purlin. Tighten to 132 in-lb.
4. Apply 1/2-13 bolts through support brackets through corresponding holes in purlin. Tighten to 516 in-lb (43 ft-lb).

6 x 5/16"-18 x 2" Hex Bolt with 5/16"-18 Hex Nut and Lock and Flat Washer (2 for each purlin)

6 x 1/2"-13 x 2" Hex Bolt with 1/2"-13 Hex Nut and Lock and Flat Washer (2 for each purlin)

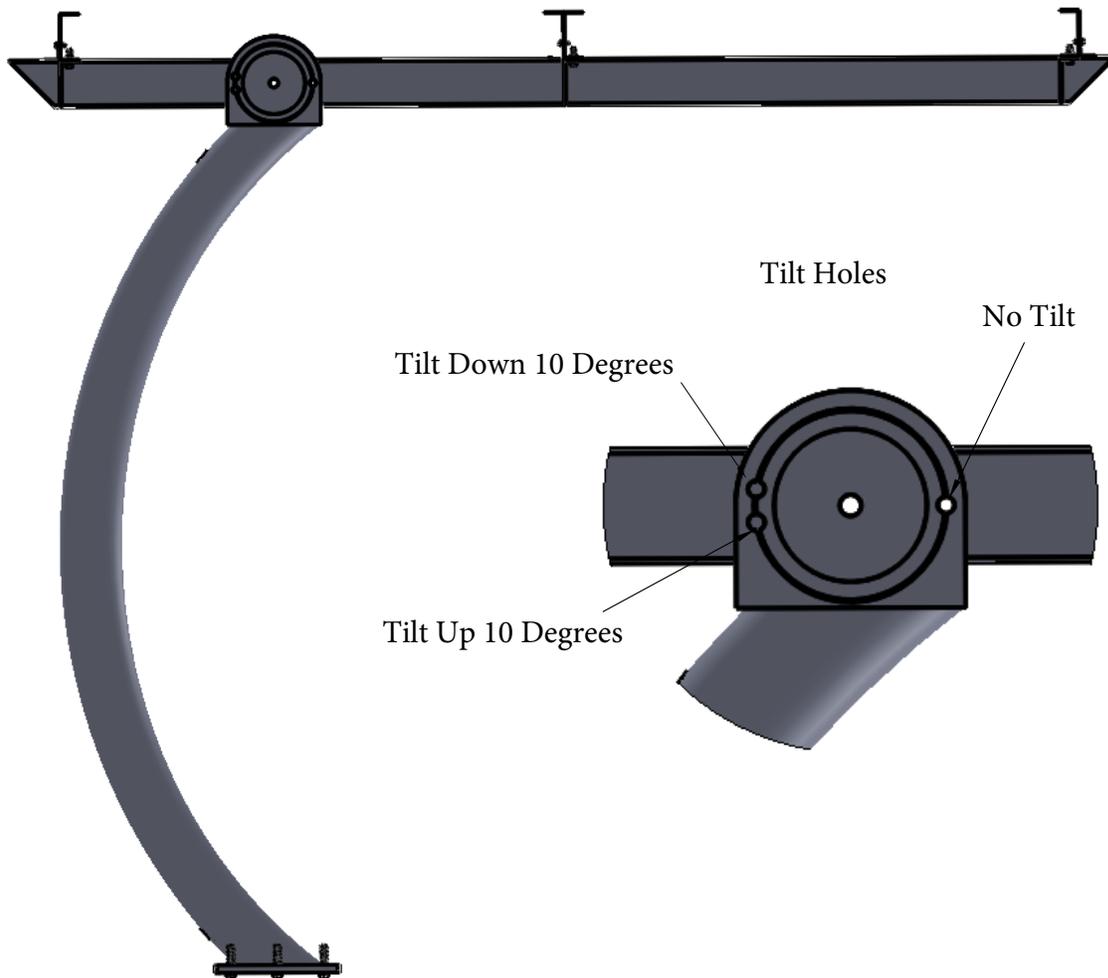


Top View



Purlin to Beam

1. Place beam assembly on saddle as shown.
2. Align Center hole on beam with center hole in saddle and place 1"-8 x 10" bolt with hardware and spacers through hole. Tighten to 3756 in-lb (313 ft-lb).
3. Adjust beam tilt so that desired tilt hole lines up through saddle and beam.
4. Place 7/8"-9 x 7/8" bolt with hardware and spacers through tilt hole. Tighten to 2496 in-lb (208 ft-lb).



Panel to Purlin.

1. Place Panels over Purlins in the correct orientation per project layout.
2. Attach Gator Clamps to under edge of panel, sandwiching Purlin edge and panel edge together.
3. Tighten until completely clamped.

