INSTALLATION INSTRUCTIONS
FOR SERIES 260-8/80 and 280-8/80 TOP-OF-POLE MOUNTS

Made to Mount on 8" SCH80 Poles and Carry up to 280 Sq. Ft. of Modules

Components:

- 1ea. Strongback with Support Bar
- 1ea. Mounting Sleeve with Pivot Bolt
- 4ea. Cross Tubes (2" square tubing with 4 pieces of angle welded to it)
- 12ea. Module Rails - 2"x2" angle
- 1 lot rack assembly hardware
- 1 lot module mounting hardware

1. You will need a piece of 8" SCH80 steel pipe (8-5/8" OD) for a mounting pole. This piece of pipe should be 15-17 feet long. Dig a hole 36" in diameter and 72"-84" deep. Put the pole into the hole and pour concrete around it, filling the hole to the top. Brace the pole so that it is straight and let the concrete harden. If you live in an area with deep snow build-up you may want a taller pole. For every extra foot above ground you need to have about 8" more in the ground in concrete. [These are just guidelines. The actual depth and diameter of the hole and the amount of concrete used is very dependent on soil type, maximum design wind speed and exposure category. Installations in loose, sandy soil will require a larger, deeper hole with more concrete than in hard, rocky soil. If in doubt, we recommend that you consult a civil engineer in your area that is familiar with local soil conditions.]

2. Bolt the Mounting Sleeve to the Strongback and attach the free end of the Support Bar to the Angle Adjustment Plate on the Strongback. Bolt it to the hole farthest away from the pivot bolt in the Strongback.

3. Place the Strongback/Mounting Sleeve Assembly on the mounting pole, aim it south and lock it in place by tightening the four set bolts on the sleeve.

4. This rack has seven elevation angle set points. They are: 0, 15, 25, 35, 45, 55 and 65 degrees. For assembly and module mounting it is probably easiest to lock the rack in the flattest (0-degree) position.

5. Bolt the Cross Tubes to the angles welded to the top of the Strongback (see drawings) using the 3/8" x 3" bolts and hardware.

6. Bolt the Module Rails to the angles welded on the Cross Bars (see drawings) using the 3/8" x 1" bolts and hardware. The inner rails point in and the outer rails point out as shown in the drawings.

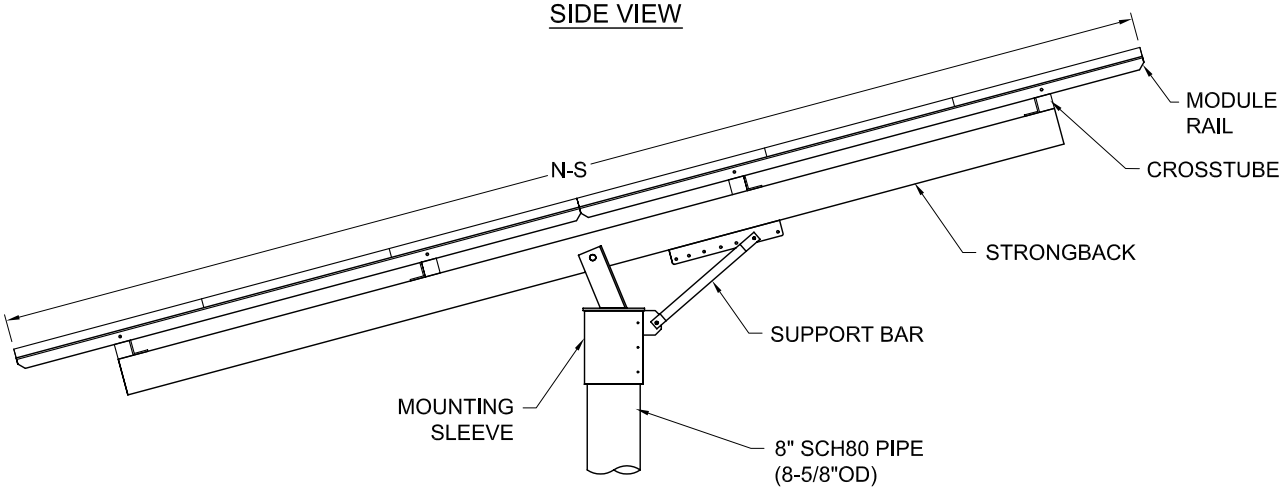
7. Attach your photovoltaic modules to the module rails as shown in the drawings using the 1/4" stainless steel hardware provided. The holes in the Module Rails are over-sized -- be sure to use a flat washer against the rail.

8. Be sure all rack and module bolts are tight.

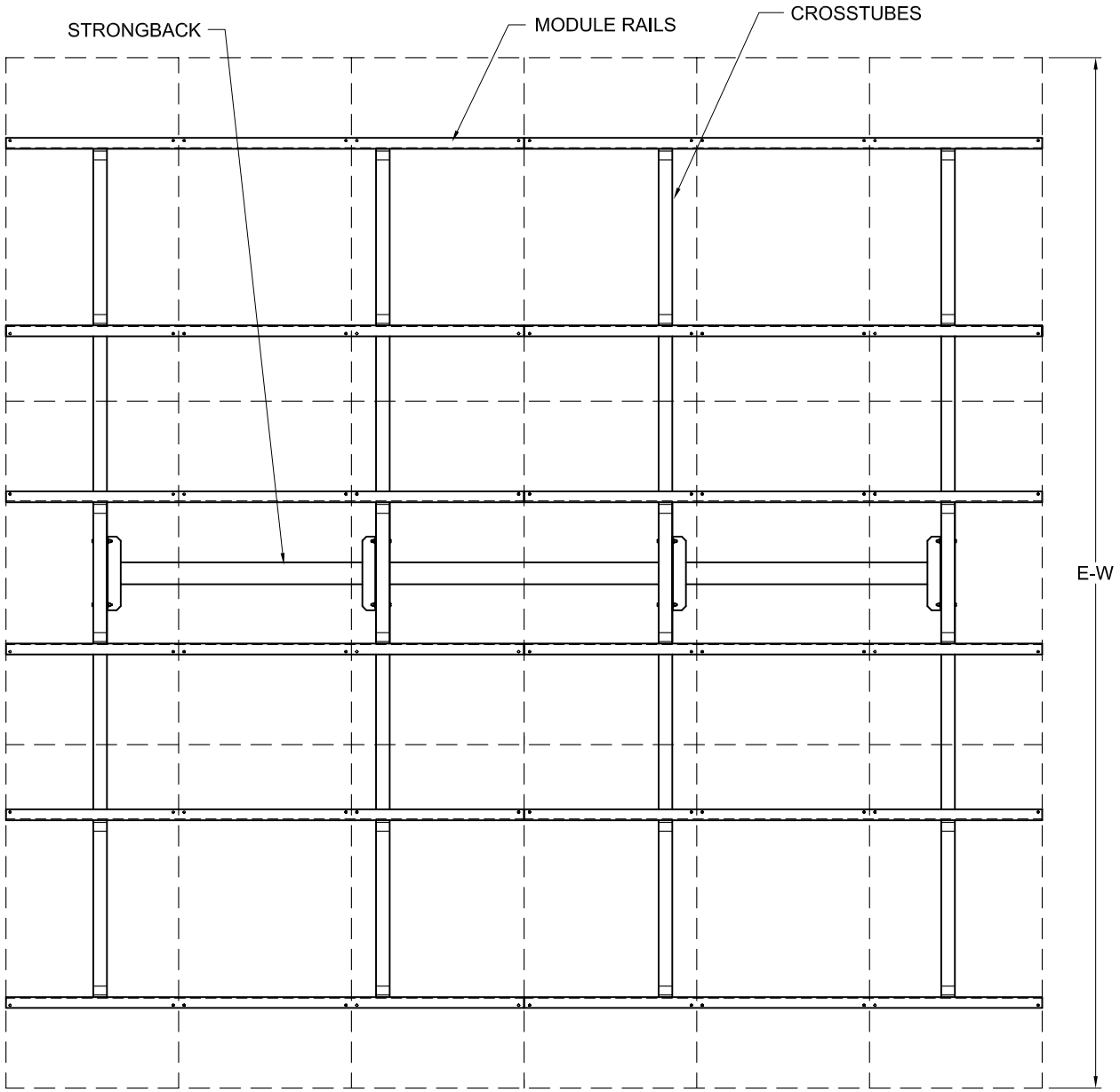
9. When changing the elevation setting, loosen the pivot bolt before adjusting the rack. After changing the position of the Support Arm and tightening the two 1/2" bolts, be sure to tighten the pivot bolt.

DP-TPM18-SERIES 260-8/80 THROUGH 280-8/80

SIDE VIEW



TOP VIEW



END VIEW