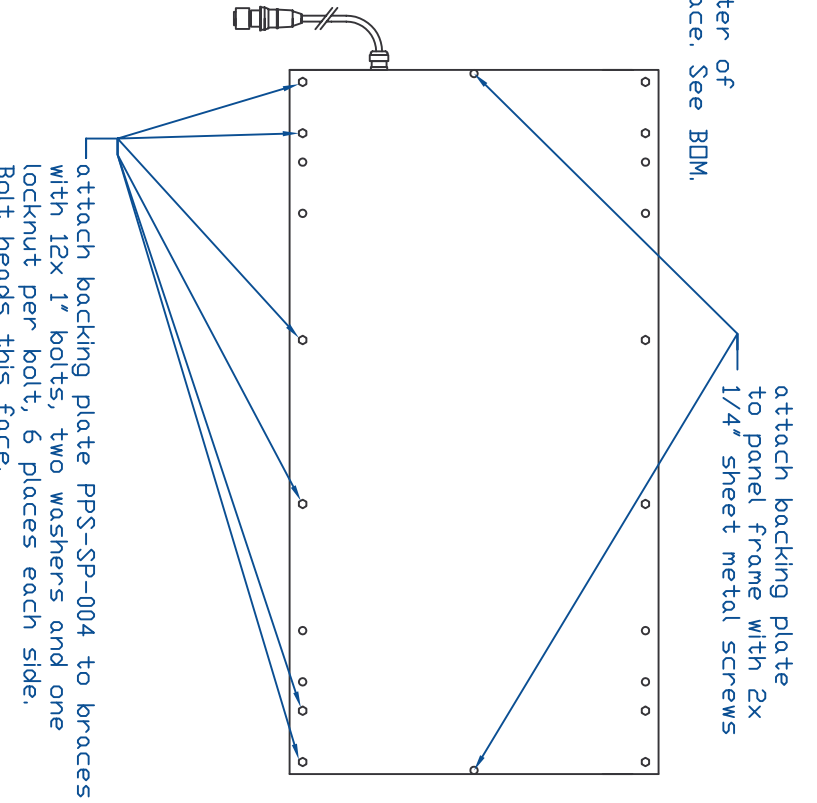
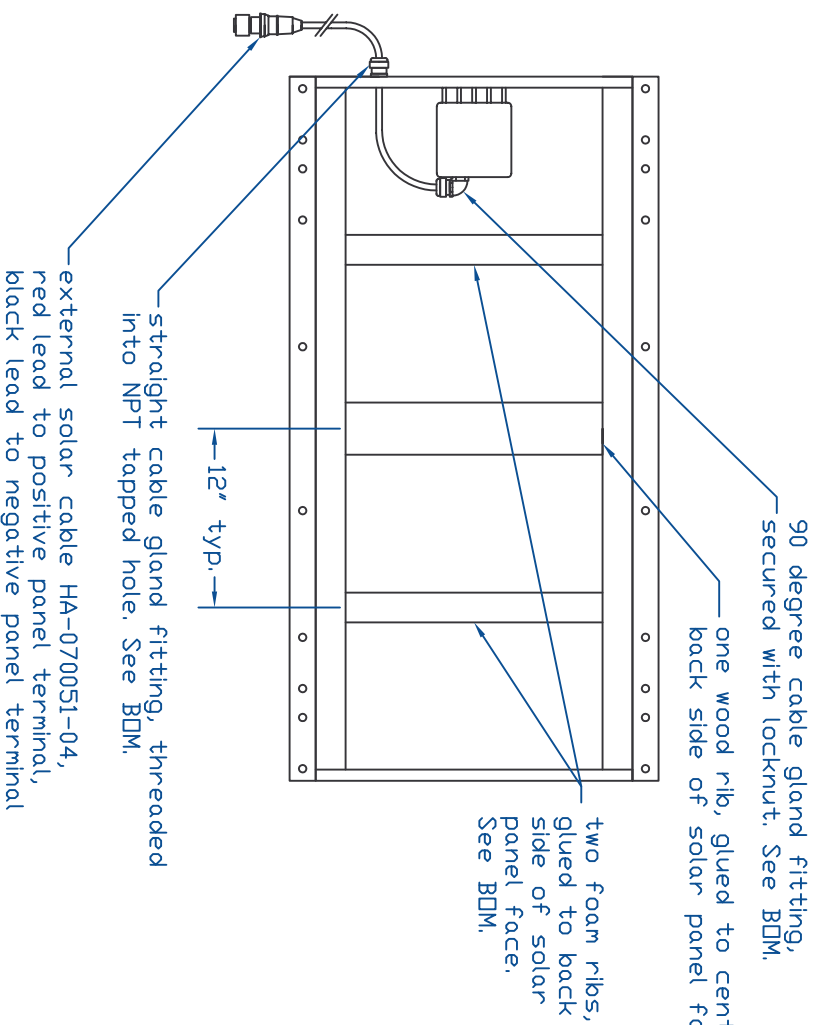


REV	Description	Date	Appr.
A	Initial Release	5/1/13	




**BILL OF MATERIALS**

- 1 Sharp NE-80EJEA solar panel
- 2 Solar Panel Bracing for Sharp NE-80EJEA, PPS-SP-003 requires 8 ft. of 1.75" x 1.75" x 1/8" 6000 series tempered aluminum structural angle (round corner)
- 1 Solar Panel Backing for Sharp NE-80EJEA, PPS-SP-004
- 1 External Solar Cable HA-070051-04
- 22 5/16-18 x 1" Grade 5 zinc-plated hex head bolt
- 22 5/16-18 Grade 5 zinc-plated nylon-insert hex locknut
- 24 5/16 zinc-plated washer
- 1 straight cable gland fitting. Thomas and Betts 2921AL
- 1 90 degree cable gland fitting. Thomas and Betts 4961AL
- 1 locknut for cable gland fitting. Thomas and Betts 141AL
- 2 1/4" sheet metal screws
- 1 wood rib, 2x4 (actually 1.5" x 3.5") x 19" length, ends thinned to fit inside solar panel frame
- 2 blueboard foam rib, 1.5" x 2" x 19"
- 1 Loctite PowerGrab adhesive

**NOTES:**

- 1. Sheet 2 shows cable and gland fittings, wood and foam ribs, and backing plate.
- 2. See Sheet 1 for angle brace attachment and NPT tap location.
- 3. Tolerance ±0.05"

		<b>Polar Permanent GPS Station</b> <b>Solar Panel Assembly: Sharp NE-80EJEA</b>	
<b>UNAVCO, Inc.</b> POLAR SERVICES 6350 Nautilus Dr., Boulder CO 80301 303-381-7500, 303-381-7451 fax		<b>Part Number</b> <b>PPS-SP-007</b>	<b>Rev</b> <b>A</b>
Drawing: <b>S. White</b> Engineering: <b>S. White</b> Approval:		Date Modified: <b>May 1 2013</b> SHEET <b>2</b> OF <b>2</b>	