

DCE Solar, Inc.

- 19410 Jetton Rd, Ste. 220 Cornelius, NC 28031
- Phone: (704) 659-7474 info@dcesolar.com
- www.DCEsolar.com

O & M PROCEDURE FOR THE CONTOUR SYSTEM

SNOW REMOVAL

- Substantial snow accumulation that completely fills the gap between front of the panels and ground must be removed immediately to prevent excessive snow drift and ice dam formation. DCE Solar should be notified immediately of any structural issues and the issues should be documented with photos.

The following inspections should be performed at a minimum of every year of warranty period.

CHECK CONNECTIONS

- Visually inspect all bolted connections and verify that connections have not visually loosened (torque marks should be inline). Also look for any instance of slippage or part movement.
- Check the torque on 10% of the bolted connections to 80% of the torque value given in the installation manual. If 10% of the of the inspected hardware does not meet the 80% torque value, perform a site-wide inspection and retorque all similar connections.
- If any of the connections require re-torquing, reinspect in 6 months and notify DCE Solar. DCE solar should be notified on any instances where such corrective action is required.

INSPECT FOUNDATIONS

- Check for ground erosion and settlement around the foundation of the system and correct any site issues where excessive erosion, standing water, or other factors that could inhibit foundation performance.
- Ground screw system; check the height of the inside tube connected to the N/S beam to ensure no vertical moved has occurred

CORROSION

Perform a visual inspection for evidence of corrosion on all structural components. Excessive corrosion is defined as:

- Any instance where red rust covers more than 5% of the total surface area
- Any localized or pitting corrosion where the structural performance of a component may be impeded.

Note: *It is common to observe white rust on galvanized components, this does not present any structural concern and requires no corrective action. It is common on pre-galvanized materials to observe red rust on cut edges or holes. This is typical and does not present any structural concern and requires no corrective action.*

Any component where the structural integrity has been compromised must be replaced immediately. Where the integrity of structural components has not been impacted, the galvanized coating should be repaired in accordance with the ASTM A780 Standard.

CONTACT

If any corrective action is required on a site, or if there are any questions or causes for concern from the site inspection, contact DCE Solar at 704-659-7474 or info@dcesolar.com.



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DCE SOLAR WARRANTY RELEASE FORM

Project Title: _____

Site Address: _____

I, _____, affirm that during the installation of the Contour solar racking system, the relevant DCE provided manuals and specifications were adhered to in the following capacities: *initial on the lines*.

____ Component Storage

Materials stored in accordance with DCE Installation manual.

____ Foundation

Driven Beams, ground screws or ballast blocks have been installed in the correct location and meet the requirements in the DCE installation manual. (Height, plumb, N/S and E/W location, rotation).

No erosion has occurred around the foundations and there is no standing water at the foundations.

If the project has ground screws the connection hardware for the shaft is properly installed and the shafts has been installed to the correct height.

____ Top Beam Adapters

3/4" hardware has been torqued to 250 ft. lbs. and there is a clear torque mark on the nuts.

The top beam adapters have been installed on the correct side of the beams and in line with the rest of the row.

____ N/S beam and angle/support brace

3/4" hardware has been torqued to 250 ft. lbs. and there is a clear torque mark on the nuts.

The N/S beams are at the correct tilt for the project.

____ Pivot adapters and E/W Zee beams

Confirm all pivot adapters are plumb +/-1 degree

3/4" hardware has been torqued to 250 ft. lbs. and there is a clear torque mark on the nuts.

3/8" hardware has been torqued to 20 ft. lbs. and there is a clear torque mark on the nuts.

____ PV modules

Module fasteners have been torqued to 15 ft-lbs and there is a clear torque mark on the nuts. Confirm proper panel gaps per the project Structural Detail Drawing and that all modules are aligned to the system.

____ System wide

No visible signs of rust have occurred anywhere in the DCE racking system.

No slip critical connections have moved during the construction process.

____ Grounding

The grounding connections is at the correct location per the installation manual.

____ Visual Inspection performed for any worn or deformed components, alignment of arrays and any damage to galvanization of steel components.

I verify that all steps above have been taken and inspected in accordance with the DCE Contour installation manual and the prescribed site plan for this project.

Signature: _____ Date: _____

Return signed paperwork to projectmanagement@dcesolar.com for the release of the warranty on the Contour system.