

# POWER-FAB® CRS IMPLEMENTATION GUIDE

A BRIEF OUTLINE OF ITEMS TO CONSIDER WHEN DESIGNING YOUR SYSTEM

## 1. Know Your Area

1.1. *Latitude vs. Shade vs. Inter-Row Spacing*

## 2. Know Your Roof

2.1. *Begin with accurate roof area measurements*

2.2. *Be sure to accurately identify obstructions*

2.2.1. *Include the shade they might cause*

2.3. *What is the roof substrate? (EPDM, TPO, BUR, etc.)*

2.4. *Are there roof contact pressure concerns (PSF, Thick Insulation)?*

2.5. *Is the roof truly flat (<5 degrees) or is there significant cricketing that requires breaking up the arrays?*

## 3. Know Your Building

3.1. *What's holding up the roof?*

3.1.1. *Will the racking system need to attach to it? (see Section 4)*

3.1.1.1. *Is a building framing plan available?*

3.1.2. *How much additional load can the roof support (PSF, Dead vs. Live Loads)?*

3.2. *Building dimensions (l,w,h)*

3.3. *Building exposure, proximity*

3.4. *Setback requirements*

## 4. Know Your Building Department

4.1. *Will you need a building permit, in addition to an electrical permit in your area?*

4.1.1. *Will a stamped engineering review be required of your roof structure (see Section 3)?*

4.1.2. *Will a stamped engineering review be required of the racking structure itself (contact us)?*

4.2. *Is your proposed rack grounding method acceptable in your area?*

4.3. *Is attachment for seismic activity required in your area?*

## 5. Let Us Help You

5.1. *With the above information, a quote from us will include standard pricing/terms*

5.2. *In addition, upon request at quote or upon receipt of PO, we will include:*

5.2.1. *Architectural layout drawings (for each layout)*

5.2.2. *Ballast reports*

5.2.3. *BOM*

5.3. *Upon request, we will include consulting engineering review of racking which is fee based (see 4.1.2, above).*



4000-B Vassar Drive NE  
Albuquerque, New Mexico 87107  
USA

Telephone: 800.260.3792  
Fax: 505.889.3548  
Web Site: [www.DPWSolar.com](http://www.DPWSolar.com)  
E-mail: [info@power-fab.com](mailto:info@power-fab.com)

© 2011 Preformed Line Products  
Printed in U.S.A.  
SL-SS-1042  
04.11.00

