

THE QUEST ADVANTAGE

GROUND LEVEL CONSTRUCTION

Ground-based construction reduces installation time on projects and increases the safety of all employees through a significant reduction of at-height work. 100% of DC electrical work is completed on the ground, including inverter mounting, wiring up to the AC output of the inverters and underside lighting. After assembly on the ground, the canopy is lifted into place and secured to the foundations. Mechanical installation is completed at this point.



Ground Assembly

THE PROCESS

1 Site plan, design and engineering, and permitting completed. Development of a phasing and construction plan for all structural steel and electrical install.

2 Materials and equipment to site, foundations installed well in advance of the full team's arrival to site so that your assembly crew can start right away. Construction support representative on site to oversee execution of work and facilitate any mobilization and training needs.

3 Ground assembly begins. Structural components assembled and solar modules mounted. Inverters mounted within truss system to design & engineering spec and all DC wiring completed, including underside lighting. QC process initiated.

4 Solar array lifted by crane or other specified equipment and set and secured to foundations. Final inspections and QC process completed.



Ground Assembly



KEY BENEFITS

ENHANCED SAFETY

Constructing the canopy at ground level reduces the risks associated with working at heights, leading to a safer work environment for construction personnel.

IMPROVED EFFICIENCY

Ground-level assembly allows for simultaneous tasks, such as module attachment, wiring, and inverter installation, streamlining the construction process and reducing overall project timelines.

COST SAVINGS

By minimizing the time and labor required for elevated work, this approach can lead to significant cost reductions in both labor and equipment expenses.

MINIMIZED DISRUPTION

Assembling the canopy on the ground limits disturbances to the surrounding area, ensuring that parking lots and business operations experience minimal interruptions during construction.

QUALITY CONTROL

Working at ground level facilitates easier inspections and adjustments, enhancing the quality and precision of the installation.

