



STANDARD SPECIFICATIONS

Engineering: APA Drawings can be PE stamped for all 50 States and territories

Foundation: Ground Screw or Helical Pile

Foundation Depth: Based on soil type and frost depth

Racking Coating: Hot Dipped Galvanized; ASTM 123

Foundation Coating: Hot Dipped Galvanized; ASTM 123

Adjustability: Up to 30" with telescoping posts

Warranty: 15 Years

DUAL POST DESIGN

The dual post design is ideal for tracker sites with challenging soils or ground frost considerations. Traditional piles rely on skin friction for pull out values and combat frost heave through deep embedment depths. With our dual post system, the loads are spread out, allowing for lighter weight material, less surface area requirements, and shallower depths just below the frost line. Helical and ground screw foundations do not rely on skin friction and mitigate the risk of frost heave.

A-FRAME[™] TRACKER FOUNDATION

The **A-Frame Tracker Foundation[™]** makes installing solar tracker systems on sites with difficult soils and topography more economical. If a single driven pile cannot drive to depth or achieve the required loads, look to the A-Frame foundation for a ground screw or helical option. The ground screw allows trackers to be installed on sites with rock, bedrock, glacial till or caliche soils faster and more cost effectively than traditional piles. On sites with soft, organic or sandy soils, helicals are an excellent solution.

In business since 2008, APA offers a versatile line of racking and foundation solutions for projects in even the most challenging environments. With projects nationwide, APA is a trusted racking partner.

WHY USE THE A-FRAME TRACKER FOUNDATION™?

LEVELING FLANGES

The leveling flanges allow for up to 30" of height adjustment to keep the A-Frame plum and level. Slots in the flanges allow for additional installation flexibility. The height adjustment can also be used to reduce the amount of grading needed on sites that have topography.

HELICAL PILES

Helical piles are ideal for soft soils. The helix creates a cone of weight that allows them to achieve much higher loading capacities in soft soils compared to driven piles. Helical piles also offer excellent frost heave protection by being installed below the frost line.

SHALLOW INSTALL

Ground screws and helicals can be installed as shallow as 30" depending on the soil. Shallow embedment depths allow for less chances of hitting underground obstructions.

STRAIGHT ROWS

Forgiving tolerances and adjustable leveling flanges allow the A-Frame system to be installed where other tracker foundations cannot.

COMPATIBLE TRACKER CONNECTION

The A-Frame uses a standard I-beam section to connect to the solar tracker system. This allows a seamless transition from driven I-beams to the A-Frames, leaving all connection hardware the same.

LIGHT WEIGHT

By using advanced engineering, the design of the A-Frame is able to handle heavy loading requirements while keeping the overall hardware lighter weight, greatly increasing field ergonomics and speed.

GROUND SCREWS

Ground screws are designed for hard soils. The forged tip and heavy walled steel pipe helps keep the screw straight and plumb. The threads of the screw bite and hold firmly into the ground without getting caught on rocks and cobbles. Ground screws are also very effective in bedrock with the use of pilot holes.