



## STANDARD SPECIFICATIONS

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

**Foundation:** Ground Screw or Helical Pile

**Foundation Depth:** Based on soil type and frost depth

**Foundation Coating:** Galvanized

**Adjustability:** Integrated adjustment for East/West, height, and plumb

**Warranty:** 15 Years



Note: APA offers both domestic and non-domestic foundation options. A domestic foundation must be purchased to qualify as Domestic Content.

## BUILT FOR ROCK & TERRAIN

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. Paired with our ground screw or helical foundations, A-Frame can handle any soil type. The built-in adjustability allows the A-Frame to account for undulating terrain.

## A-FRAME<sup>™</sup>

TRACKER FOUNDATION

The **A-Frame Universal Tracker Foundation<sup>™</sup>** 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 Universal Tracker Foundation paired with our **USA Made ground screw and helical foundations**. Our ground screws allow 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, helical piles 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 UNIVERSAL TRACKER FOUNDATION™?

## FOLDING DESIGN

The pre-assembled folding design of the A-Frame greatly reduces shipping costs, makes material handling safer, and speeds up installation time.

## UNIVERSAL 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.

## LIGHTWEIGHT

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.

## INTERCHANGEABLE PARTS

The A-Frame design has interchangeable and stockable parts, allowing for high volume manufacturing to supply utility scale projects. The A-Frame can quickly adapt to fit tracker specific mounts for standard piers, damper piers, motor or driver piers, and others as needed.

## LEVELING FLANGES

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

## USA MADE FOUNDATIONS

We offer USA Made ground screws and helical piles to ensure IRA domestic content compliance. Manufactured in Ohio, our USA foundations have a collar design that prevents deformation of the connection point while driving the foundation, reducing rework. Imported foundation options are also available.

## GROUND SCREW

Ground screws are designed for hard soils. The forged tip and heavy walled body tube help to keep the foundation straight and plumb. The threads of the screw bite and hold firmly in the ground without getting caught on rocks and cobbles. Ground screws are also very effective in bedrock by pre-drilling.

## 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. The shallow embedment depths allow for less chances of hitting underground obstructions.

## HEAVY DUTY OPTIONS

In instances where loading dictates, welded piers may be used in conjunction with the bolted design, making A-Frame adaptable to a wide variety of scenarios.

