

# Best Quality And Priced Pile Driven Fixed Tilt Systems



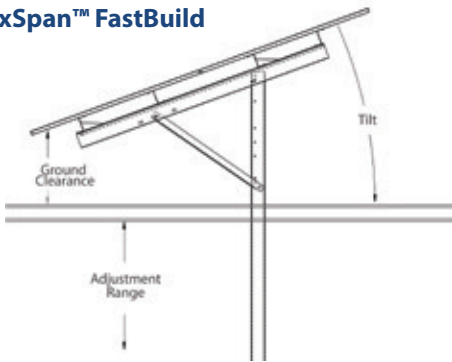
32 MW - NC - MaxSpan™ System - Installed for Leading Utility

## FAST INSTALL & HANDLES SLOPING GROUND

Industry's longest spans and fewest foundations: as few as 190 per MW for 2 up portrait and 130 per MW for 3 up portrait

**LESS PILES**  
UNMATCHED SPAN  
**UP TO 15%**  
TERRAIN SLOPES

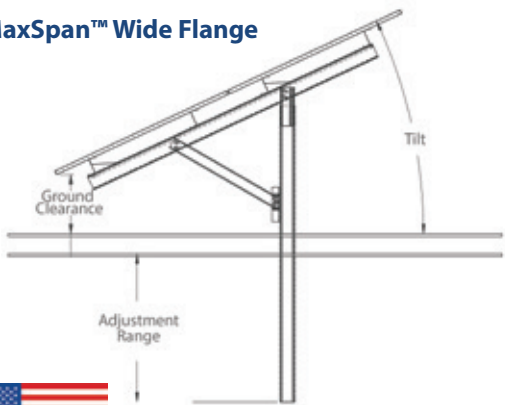
### MaxSpan™ FastBuild



Supports all poly, glass and thin film modules

Rugged design enables 150mph [67.06 m/s] wind and 90 psf [4.31 kPa] snow loads

### MaxSpan™ Wide Flange



Turnkey install, pull test and geotech services available

Galvanized Z purlins have integrated trays for easy wire management

5° to 35° tilt with multiple inter-row spacing options



## Technical Data Sheet



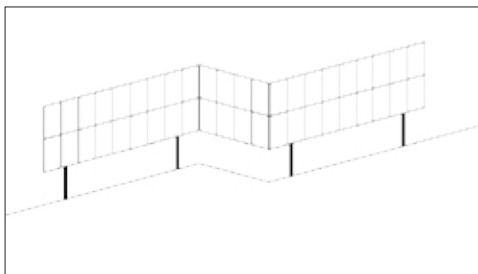
MaxSpan™ FastBuild's rugged beam and brace rapidly attach to pile with just six bolts and nuts - fewest parts in the industry



MaxSpan™ WideFlange's telescoping post bracket with up to 5 inches vertical adjustment for fast top of pile leveling



Patent pending articulating purlin connection to navigate sloping terrain



Articulating purlin connections to navigate up to 15% terrain slopes

## Features

### MaxSpan™ FastBuild

StickyPile™: G235 galvanized steel (HDG available), purlins, beams & braces: G90 galvanized steel

20 men install 1.55MW per week

Three axes of adjustability demanded by installers for navigating real world site conditions where significant adjustability in the field is required

The unmatched span capability of MaxSpan™ means there are fewer foundations than competing systems, which means less piles and less pile installation cost. As few as 190 piles per MW

Standard system has 3.5" [8.89cm] vertical adjustability

Optional post extenders allow 10" [25.4cm] vertical adjustability

### MaxSpan™ Wide Flange

Industry's most flexible racking system handles undulating ground conditions

Telescoping post bracket with over 5" [12.7cm] vertical adjustment for fast top of pile leveling

Multiple options with Wide Flange

## Test & Certification

- Meet IBC and ASCE standards for structural loading
- ETL / UL 467 GameChange top mount clamps or star washers included
- ETL / UL 2703 tested
- Wind tunnel tested by industry leader CPP
- Independent assessment by Black & Veatch
- Warranty 20 years - Made in USA

## Calculations

- 100% code compliant designs for any locality
- Structural PE drawings & calculations for foundation & racking structure
- Available 2 up in portrait and 4 up in landscape poly as well as multiple glass on glass module configurations incl. First Solar Series 4 & 6™
- Design loads according to IBC 2006 or 2009

## Pull Test, Geotech & Installation Services

- Free pull test on orders over 5 MW
- Vertical and lateral capacity of the post is determined by pull test
- Test data is then analyzed by our in-house engineering team in parallel with geotechnical report to give the most efficient embedment depths, spans and post type
- Turnkey installation of piles, racks and modules available

## Material

- Post: G235 galvanized steel (HDG ASTM123 option also available)
- Galvanized Purlins, NS Beam, Brace: G90 galvanized steel
- Star washer or ETL / UL top mount teathed module clamp: stainless steel
- Associated hardware: Magnacoat 3/8", 1/2" and 3/4" x 1" hex or serrated flange hex bolts, 3/8", 1/2" and 3/4" serrated flange nuts HDG or magnacoat, 3/4" washers; stainless steel 1/4" - 20" serrated flange nuts, 1/4" - 20" x 3/4" hex bolts; or if mounting modules using stainless steel module mounting clamps: 1/4" - 20" x 2 1/2" hex bolts, or 1 1/2" - 2 1/2" T-bolts, stainless steel 1/4" - 20" serrated flange nuts