

The Premium™

The Premium F1 Patented
The Premium F2 Patent Pending

The Premium™ is a dual incline structure combining exceptional functionality and style.

The Premium is the only solar carport system to feature an integrated decking, gutter and foundation system designed to harvest rain and snow melt for gray water use.

The Premium™ has been selected by several Fortune 100 companies, with recent installations at Johnson & Johnson, Dow Jones and GE, including the largest corporate solar carport project in the USA: 3.6 MW.

Solaire Generation's mission is to make a significant and enduring contribution to the development of solar energy. We specialize in transforming parking lots into beautiful solar power plants.

COMPETITIVE ADVANTAGES

High Energy Yields

Generates high-energy output for each geographic location and specific site orientation.

Branding / Advertising

Creates additional revenue opportunities.

Charging Station

Integrates with commercial OEM electric vehicle charging systems.

Safety Clearances

Concrete piers protect structural steel from vehicle damage.

Best in class roadway clearances minimize possible collision with commercial vehicles and maintenance equipment.

Lighting

Customization available to satisfy client preferences and IES light level requirements.

Universal PV Components

Supports all commercially available solar panels, inverters and exterior rated combiner boxes.

Electric Protection

Power column piers encase and protect AC & DC conduit.

PV strings are protected with custom wire guides.

Durability

All exposed structural steel, bolts and welds are a minimum of 2' above asphalt which minimizes corrosive effects from water and salt.

Security

Easily incorporates security cameras and systems.

Water Collection

The Premium™ offers optional rain water harvest for gray water use.



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The Premium F1



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Johnson & Johnson 1.1 MW



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The Premium F2



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The Premium F2 + GE Charging Stations + Advertisement

SOLAIRE™
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YOUR PARTNER FOR COMPLETE SOLAR SOLUTIONS

Solaire Generation is recognized by Fortune 100 companies as the leading innovator in the market for solar parking structures & systems. We partner with solar integrators, developers and property owners in order to provide our clients with the best in canopy design, fabrication and installation. We are proud to offer our clients the market's premier solar structures.

The Premium™

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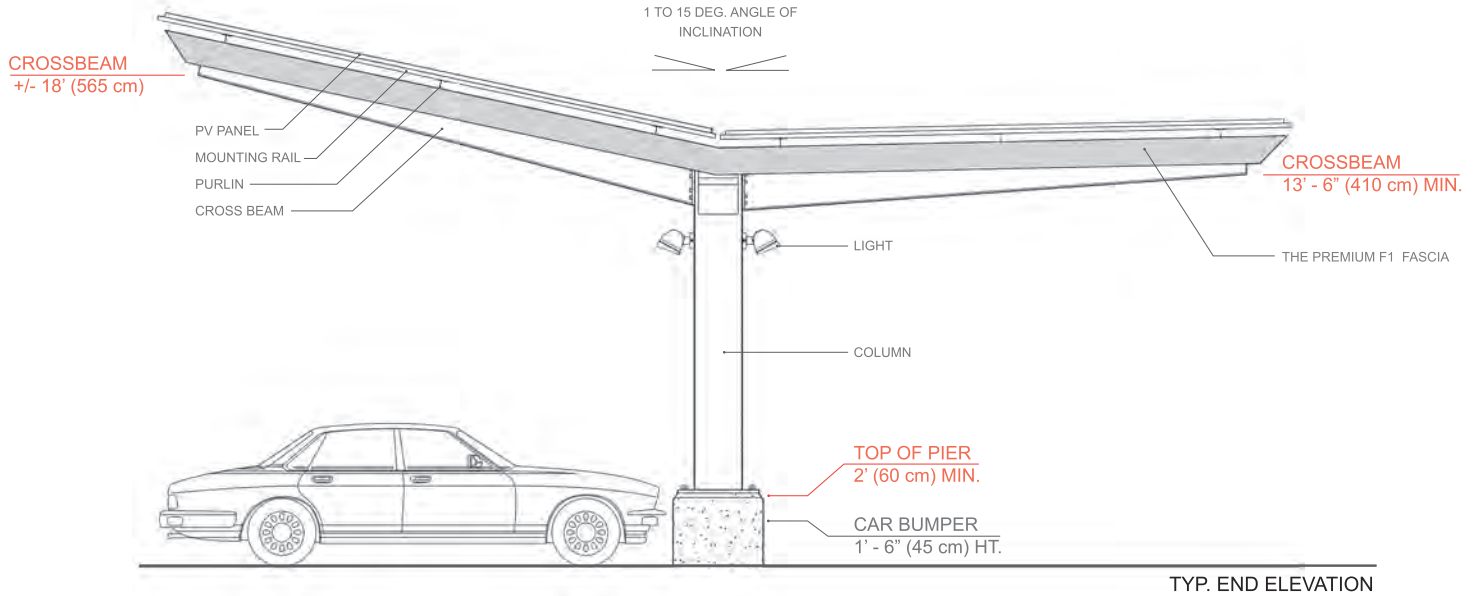
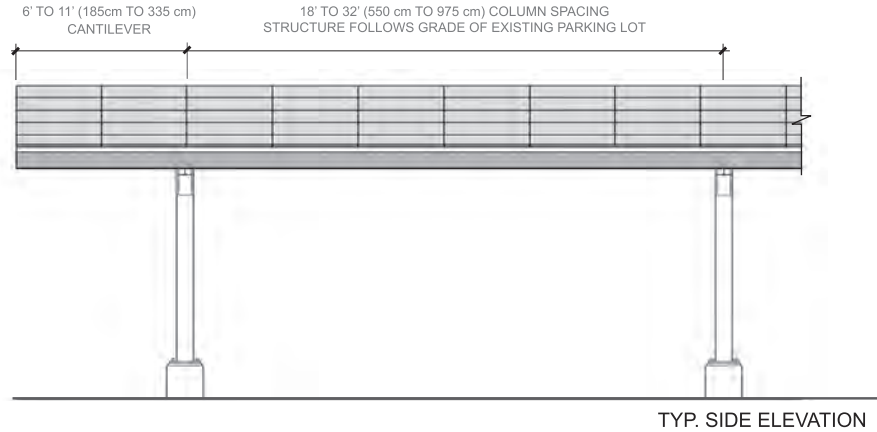
The Premium F1 Patented
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Fascia Detail F1



Fascia Detail F2



Product Summary

Dimensions

- Vertical Clearances 13' - 6" (410 cm) min.
- Concrete Pier 2' (60 cm) min. above asphalt
- Width 34' to 41' (1040 cm to 1250 cm)
- Angles of Inclination 1 to 15 degree inclination available
- Column-to-Column Spacing 18' to 32' (550 cm to 975 cm)

Foundations

Reinforced concrete

Structural Steel

Shop fabricated in strict accordance with AISC Steel Building Structures and AWS welding requirements and codes.

Light Gauge Steel

- Decking & Gutters Shop fabricated 20 GA. galvanized steel
- F1 Fascia 3mm aluminum composite material
- F2 Fascia Shop fabricated 20 GA. galvanized steel

Drainage

Schedule 40 / 80 PVC

PV Components

- Mounting Rail Unistrut or equivalent provided standard. Standard finish is hot-dipped galvanized. Other mounting rails are available.
- PV Panel Compatibility Solaire structures are compatible with all commercially available PV panels.
- Combiner Box Compatibility Solaire structures are compatible with all exterior rated combiner boxes.

Finishes

- Structural Steel Shop blasted and primed with a corrosion resistant primer. Solaire offers several finish options for structural steel including shop painting, powder coating, and galvanizing.
- Light Gauge Steel Decking is galvanized for corrosion resistance and factory coated with a high durability exterior polyester finish.
- Colors A wide range of colors is available. White is provided standard.

Lighting

Solaire structures are compatible with a range of attractive fixture types suitable for a wide variety of site and lighting conditions. Available fixture types include metal halide, high pressure sodium, LED, induction, and others.

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