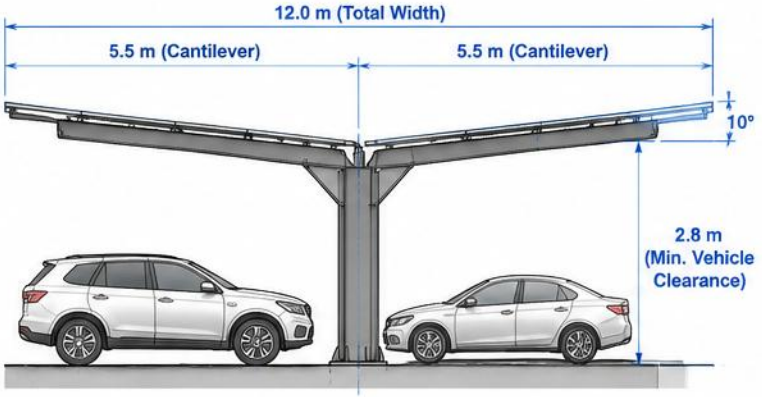
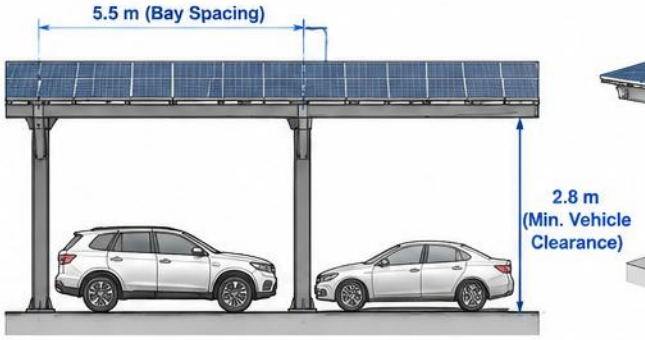
Solar Carport Parking Canopy System

Dual-Cantilever Structure | 2 Vehicles (Nose-to-Nose)

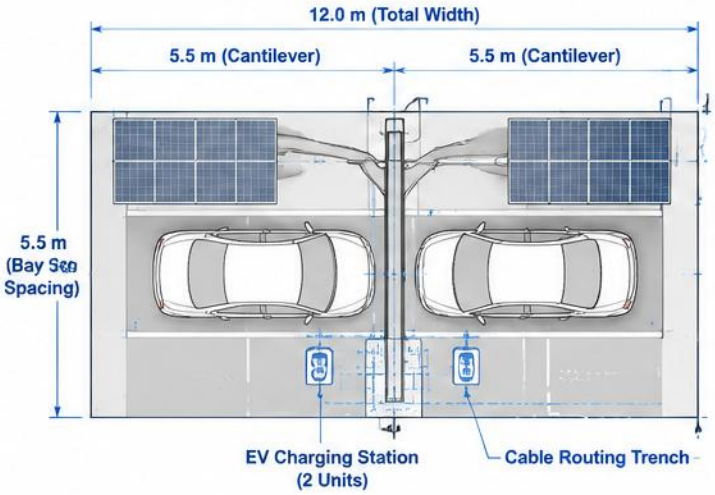


Front Elevation (Cross-section)
Scale: 1:50

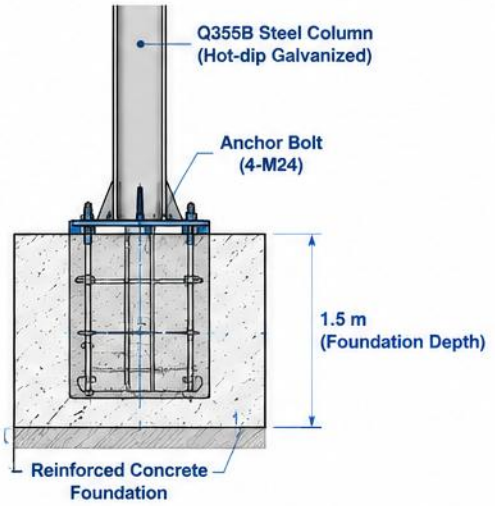


Side Elevation (Longitudinal View)
Scale: 1:50

3D Isometric View
Scale: N.T.S.



Site Layout Plan (Top View)
Scale: 1:100



Foundation Reaction Moment & Anchor Cage Detail
Scale: 1:20

Main Specifications	
Total Width (Overall)	12.0 m
Cantilever Length (Each Side)	5.5 m
Bay Spacing (Longuitdinal)	5.5 m
Vehicle Clearance (Min.)	2.8 m
Tilt Angle (Solar Panels)	10°
Main Column	Q355B Steel (Hot-dip Galvanized)
Rafter Arm	Q355B Steel (Hot-dip Galvanized)
Foundation	Reinforced Concrete
Anchor Bolts	M24 (4 pcs per column)

Notes:

1. All dimensions are in meters unless otherwise specified.
2. Structure designed for 2 vehicles (nose-to-nose).
3. Solar panels tilt angle: 10°.
4. Steel components are hot-dip galvanized for corrosion resistance.
5. Foundation size and rebar details to be confirmed by geotechnical report.

CONCEPT DRAWING ONLY — NOT FOR CONSTRUCTION. FINAL PE-STAMPED DRAWINGS REQUIRE CONFIRMED LOCATION, WIND/SNOW LOADS, SOIL REPORT AND PROJECT OPTIONS.
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