



## Addendum G: Solar Carport Specification

1. Structural Design Requirements
  - Frame Type: 3 +1 High Portrait L-Frame
  - Post-to-Post Span (East-West): 26' – 27'
  - Span Cover (North-South): 19' – 21'
  - Ground Clearance: Minimum 14'
  - Foundation Type: Concrete Pier or Spread Footer
  - Purlin Length: 27" – 36" spans
  - Dimensions of the Array: 110' x 24'
2. Solar Module Configuration
  - Module Orientation: Portrait (4 modules high)
  - Module Tilt: 7 degrees
  - Azimuth: South-facing
  - Module Compatibility: All brands – 60, 72, and 96 Cell
3. Environmental Load Requirements
  - Wind Load: Up to 170 MPH
  - Snow Load: Up to 80 PSF
4. Material Specifications
  - Composition: Galvanized Steel (G-90 grade) - Posts, Trusses, Purlins
  - Manufacturing Origin: Made in USA
  - Steel Certifications: Must be provided with proposal
5. Warranty and Compliance
  - Warranty: Minimum 25-Year Structural Warranty
  - Certifications Required:
    - Steel mill certifications
    - Structural engineering stamps
    - Compliance with local building codes and permitting requirements