

KRONOS™

Design Criteria

Wind load: 90 mph minimum (max at 100mph)
All codes are compliant with CBC 2010/ASCE 7-05

Columns

HSS AISC Grade A-36
Coating Options: Primed or Hot Dip Galvanized

Beams

HSS AISC Grade A-36
Coating options: Primed or Hot Dip Galvanized

Electrical System Integration

Lighting: Optional lighting fixtures can be mounted to column or canopy, providing indirect ambient light or down-lighting.

Note: All Residential Unit are pre-fit with spare conduits for future devices such as communication, security, or flat-screen advertising panels

Foundation (bellow grade)

Footing type: Reinforced concrete caisson foundation or spread footing, structurally designed per soil conditions.
Concrete Strength: 2,500 psi (minimum)

Note: Structural foundation design is not included.
Additional engineering services available in select locations upon requests

Options

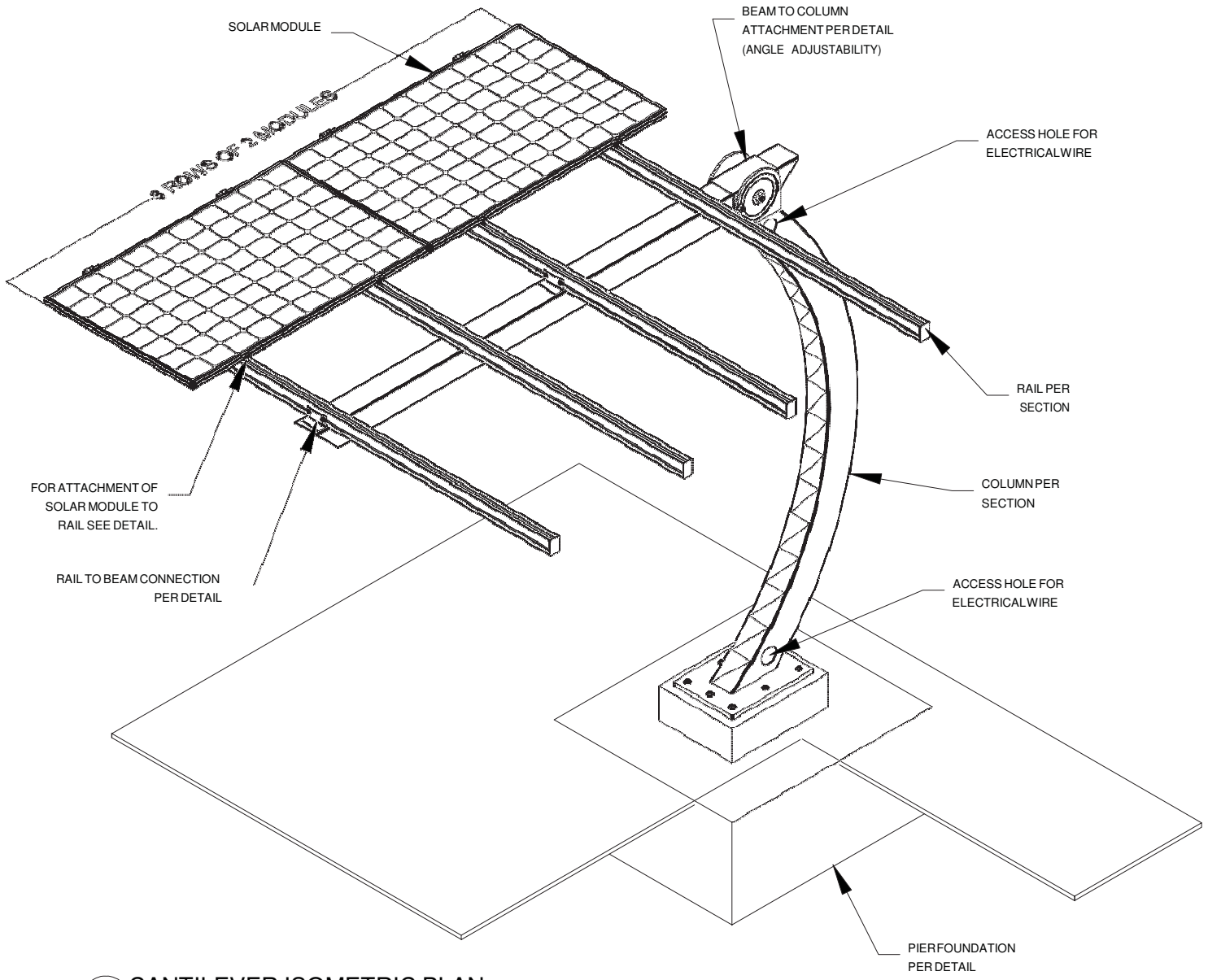
- Fixed tilt slope up to 10°
- Site specific layout and configuration
- Hot Dip Galvanizing
- Solar Racking
- Roof Sheeting
- Electrical Vehicle Charging Station
- Soft-lit Under Sheeting
- Lighting
- Branding and advertising
- Electric Vehicle Charging stations



Patent Pending

Kronos

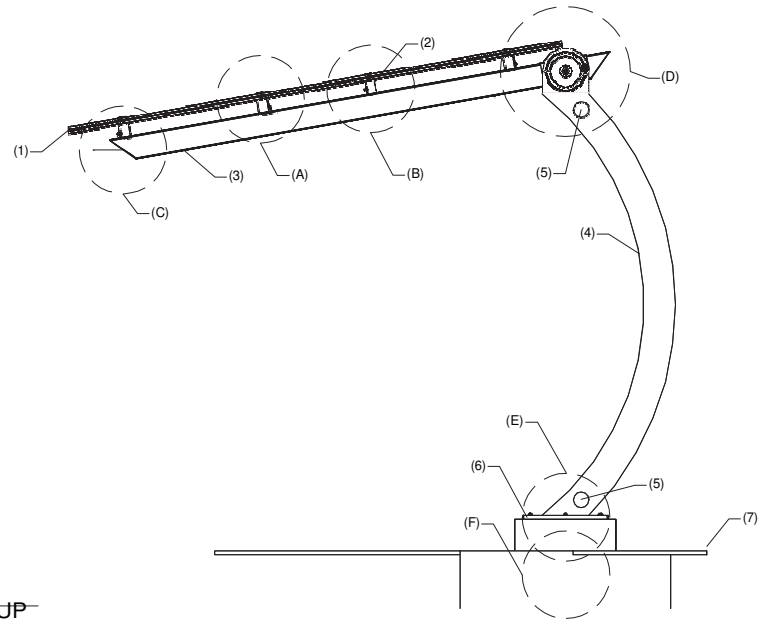
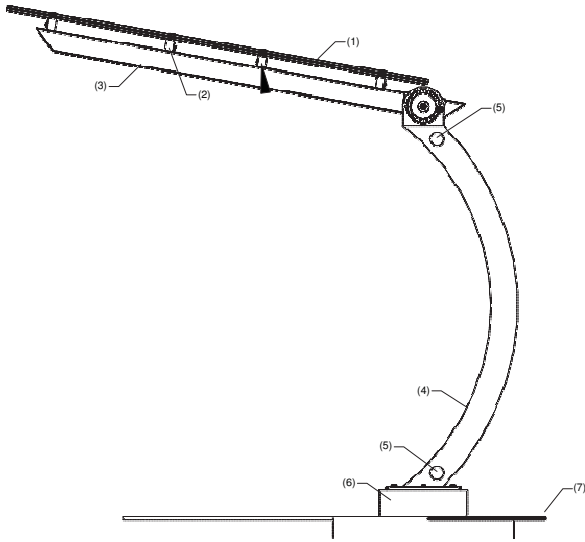
L-Shaped Cantilever



A CANTILEVER ISOMETRIC PLAN

Kronos

L-Shaped Cantilever



B SECTION AT SINGLE POST SOLAR SUPPORT STRUCTURE - SLOPE UP

SECTION NOTES:

1. SOLAR MODULE
2. RAIL
3. BEAM
4. COLUMN
5. 4" DIA. ACCESS HOLE FOR ELECTRICAL WIRE
6. MIN. 8" CONCRETE FOOTING
7. FINISH GRADE

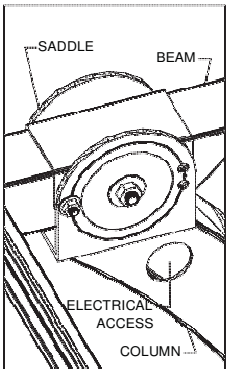
SECTION DETAILS:

- A. SOLAR MODULE & RAIL
- B. RAIL & BEAM
- C. END CAP FOR BEAM
- D. BEAM & COLUMN
- E. COLUMN & FOOTING
- F. FOOTING & FOUNDATION

C SECTION AT SINGLE POST SOLAR SUPPORT STRUCTURE - SLOPE DOWN

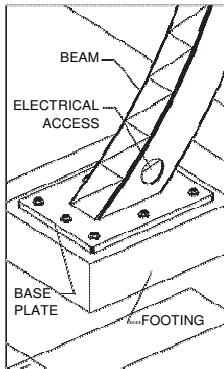
SECTION DETAILS:

(D) - BEAM ATTACHMENT



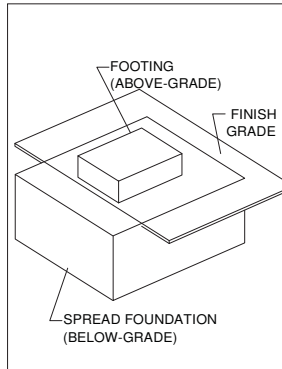
A SADDLE WILL BE WELDED TO COLUMN AND FUNCTION AS ARM ANGLE ADJUSTABLE MECHANIC

(E) - COLUMN ATTACHMENT



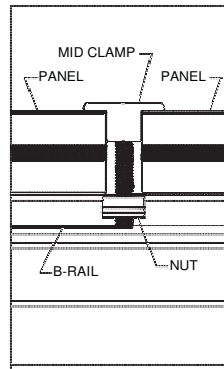
COLUMN WILL BE WELDED TO A BASE PLATE AND IS BOLTED ONTO THE CONCRETE FOOTING

(F) - FOOTING ATTACHMENT



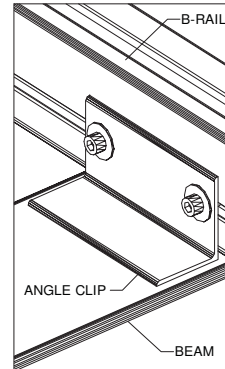
FOOTING WILL BE CONNECTED DIRECTLY TO THE FOUNDATION PER FOOTING DETAIL

(A) - MODULE ATTACHMENT



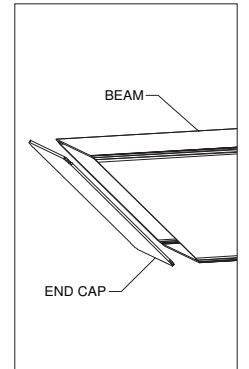
MID CLAMP IS USED TO CONNECTS BOTH MODULES ONTO B-RAIL

(B) - RAIL ATTACHMENT



ANGLE CLIP WILL BE BOLTED TO C-CHANNEL AS WELL AS WELDED TO BEAM

(C) - END CAP ATTACHMENT



END CAP PLATE WILL BE WELDED TO BOTH ENDS OF BEAM