



Connecting Strength

Carport System





Background

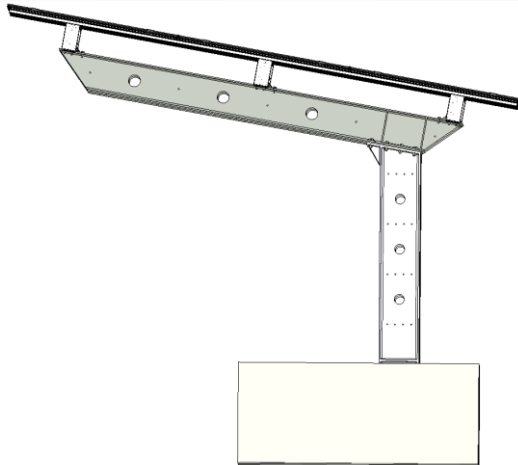
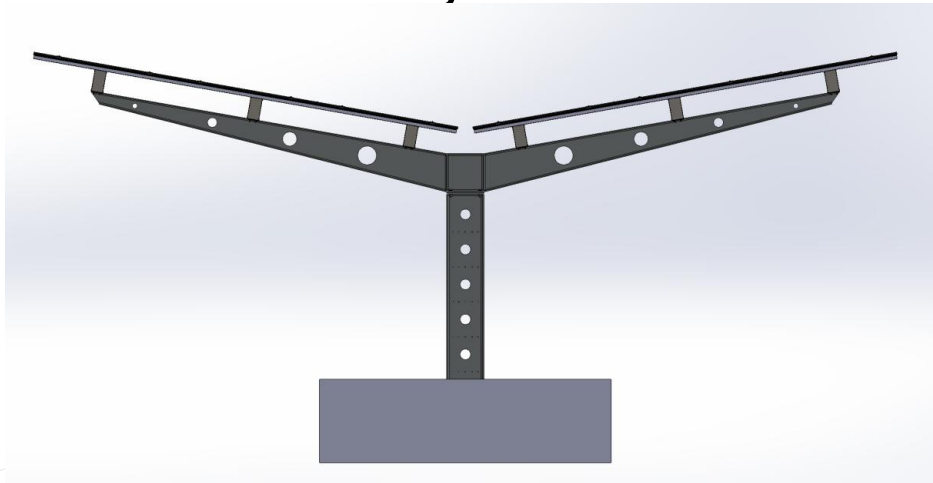
- Growing electricity demand and a limited space lead to a competition of land use in europe
- Solutions with double usage of land are getting in focus
- In Addition a Solarobligation law on parkingplaces in more and more countries
- In Germany there are different rules from state to state
- The lowest limit for Solarobligation is at 35 Parkinplaces



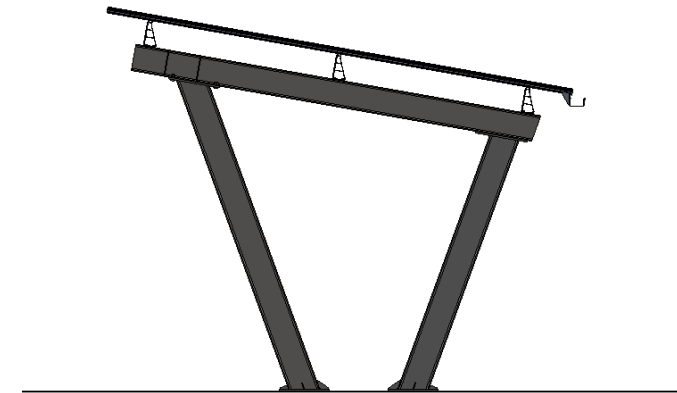
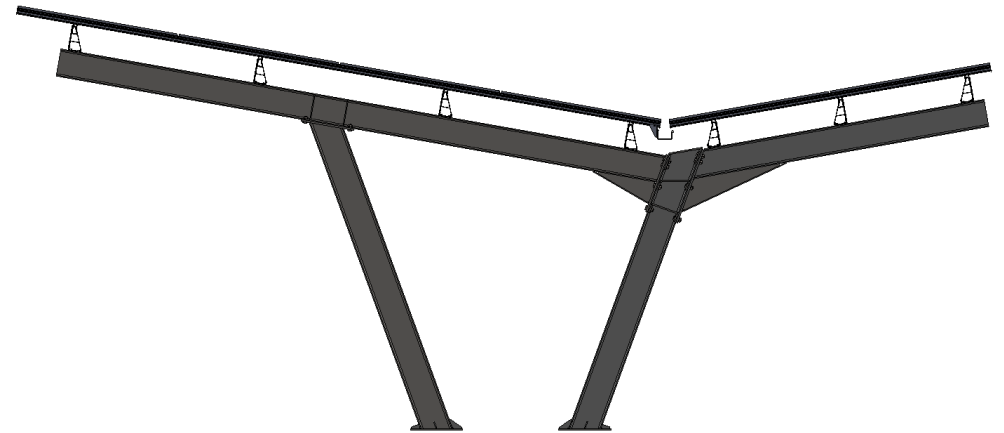
Connecting Strength

Carport Variations

One-Post-System



Two-Post-System





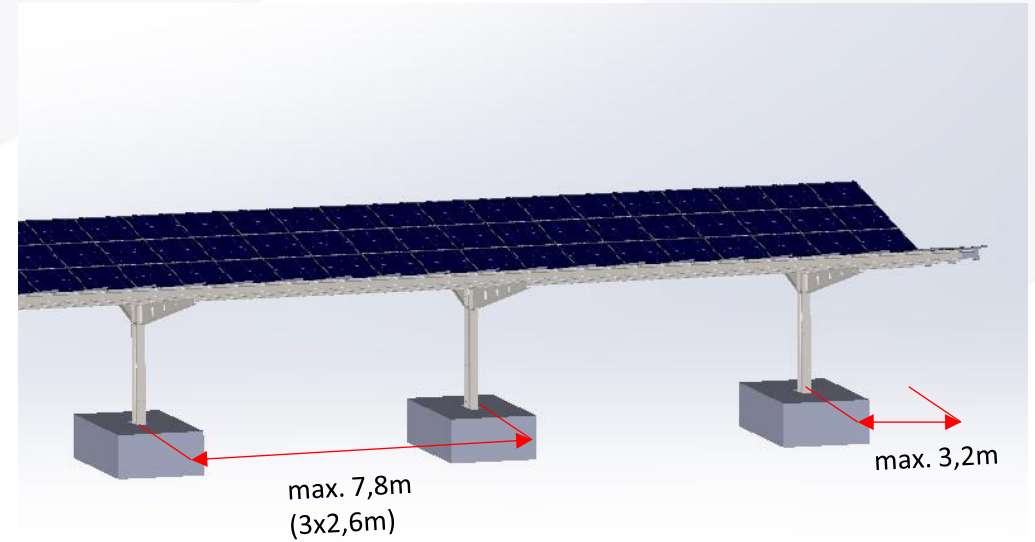
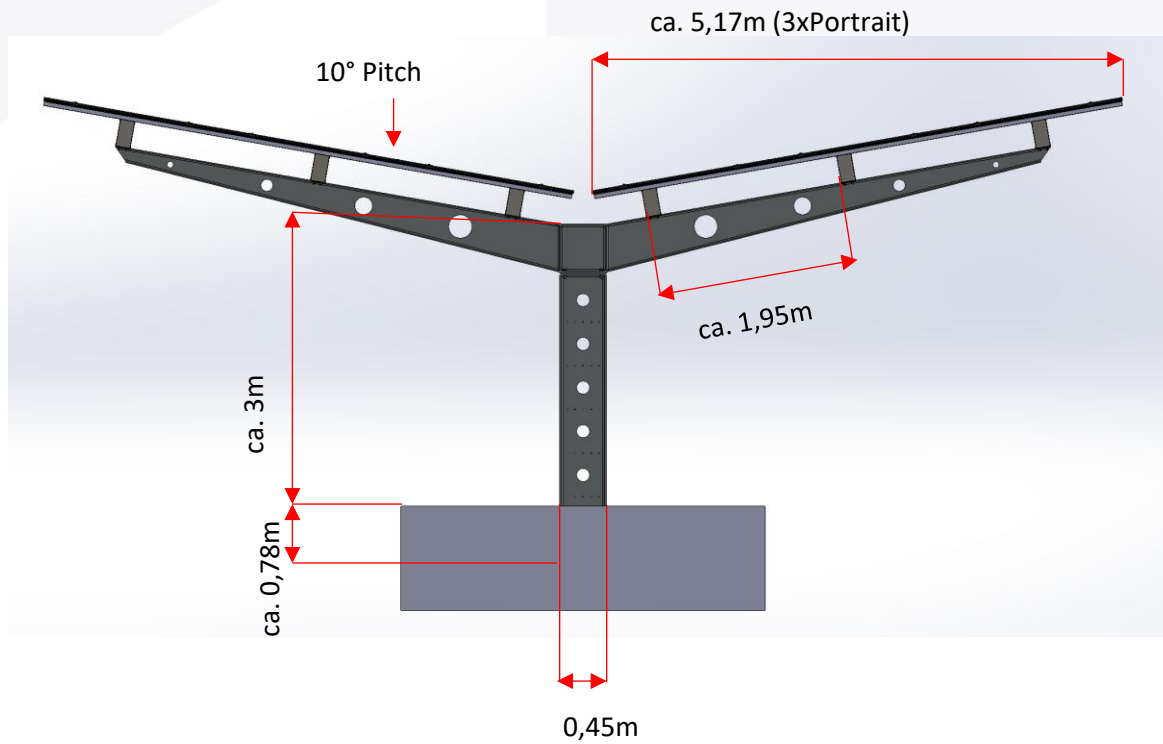
General Data One-Post-System

- availability: projectspecific, not on stock
- min. 20 Parkingplaces
- Raster of 3 (ideal) or 2 Parkingplaces per brace
- Foundation: concrete according to structural requirements
- At the End of the rows a Cantilever of 1 parkingplace is necessary
- perfect module size: 1.722 mm x 1.134 mm
- Excecution: with or without trapetoidal metalsheet
- Scope of delivery:from Foundation except electrical components



Connecting Strength

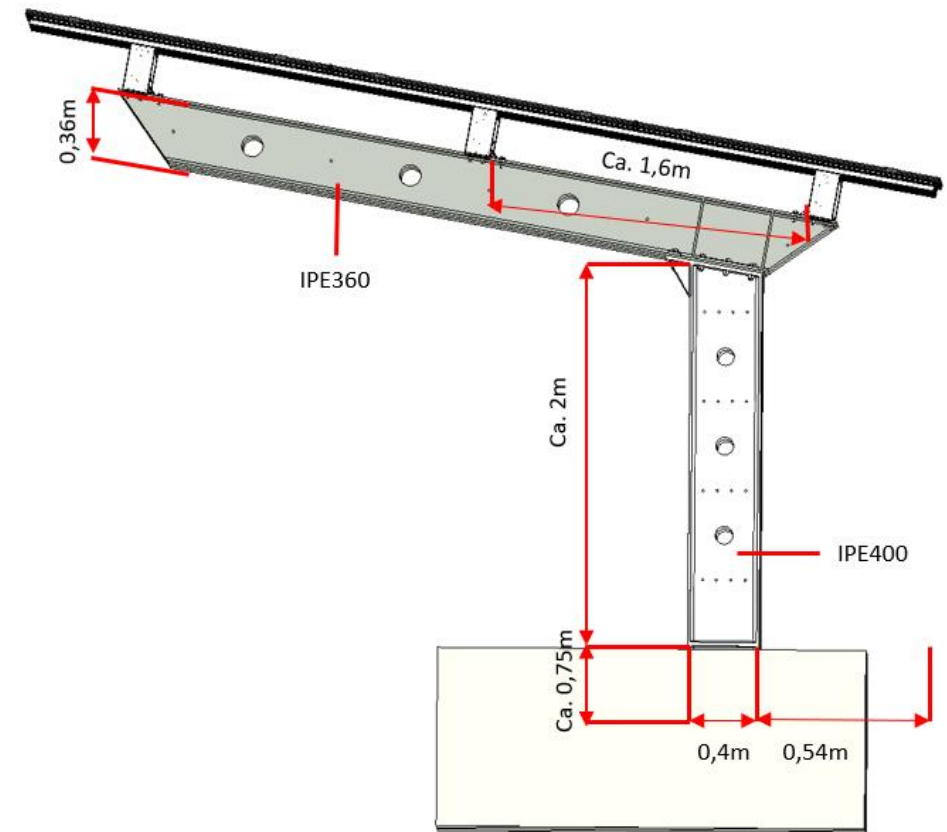
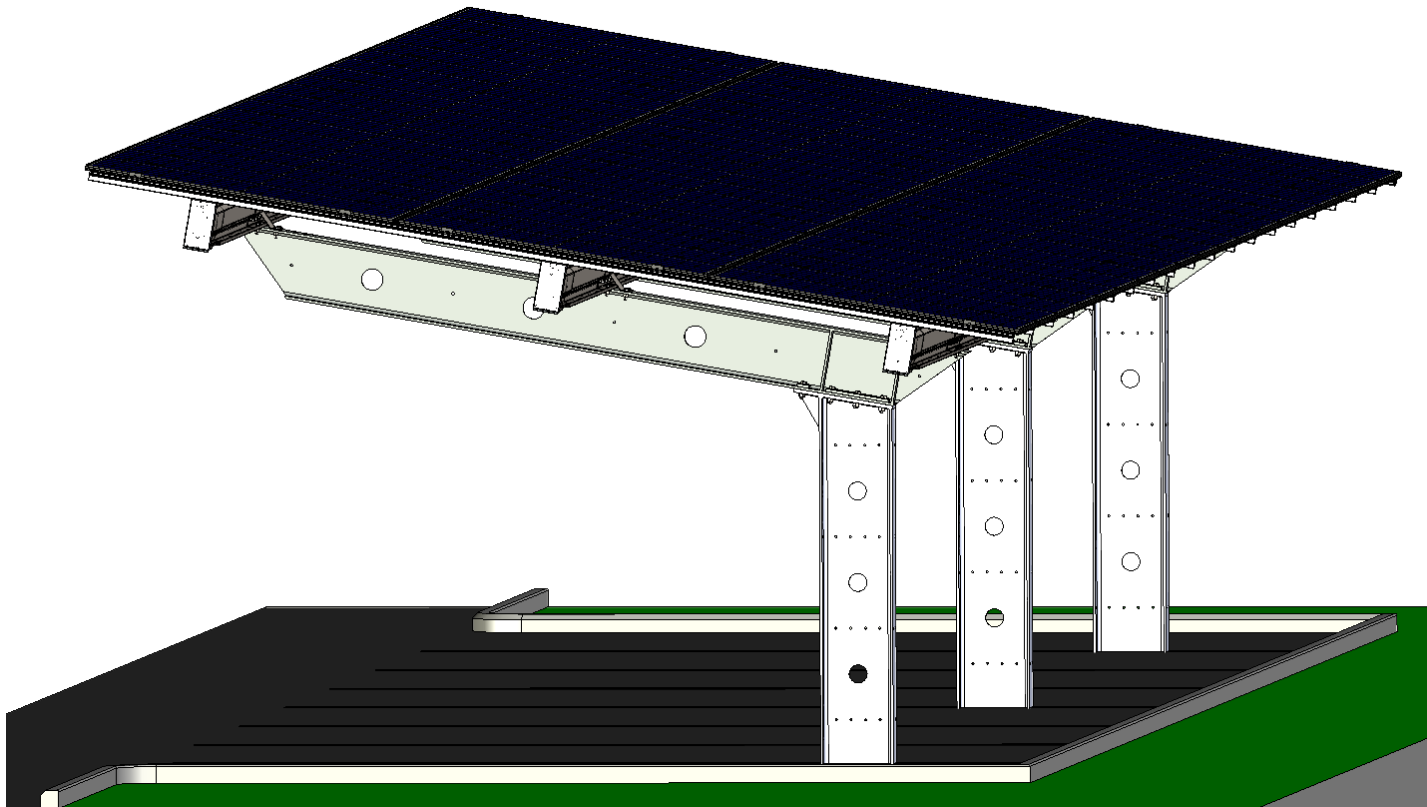
Doublerow Carport





Connecting Strength

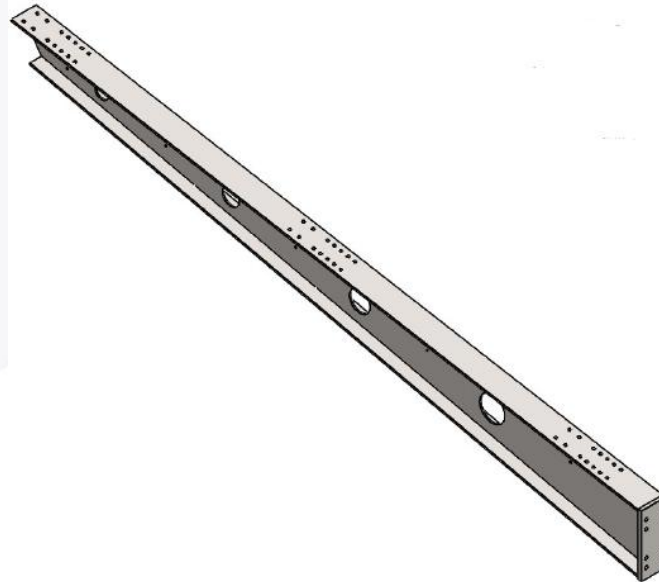
Singlerow Carport



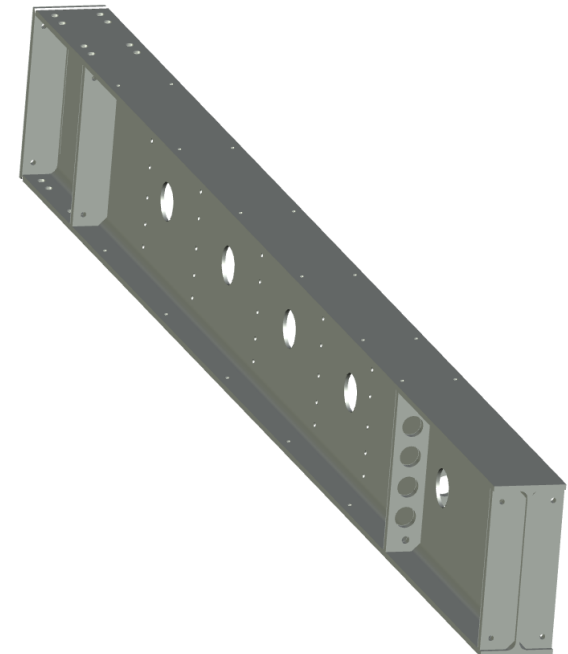
Braces

- Hotdip galvanized steel
- optional coating
- Brace made from IPE450 / 400
- Bar is a weldingprofile / IPE360

Bar



Brace

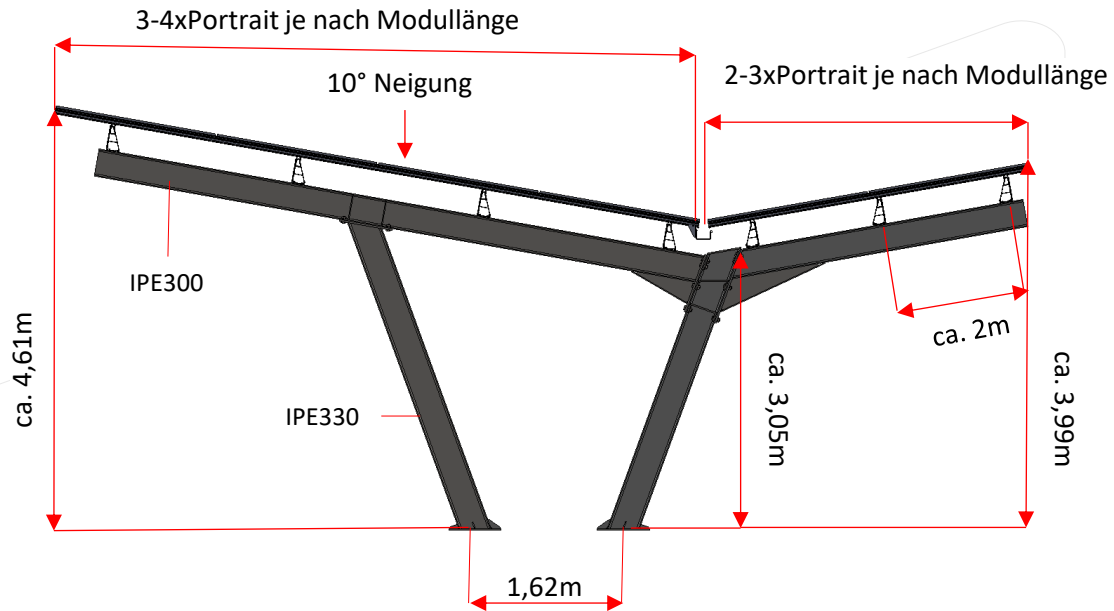




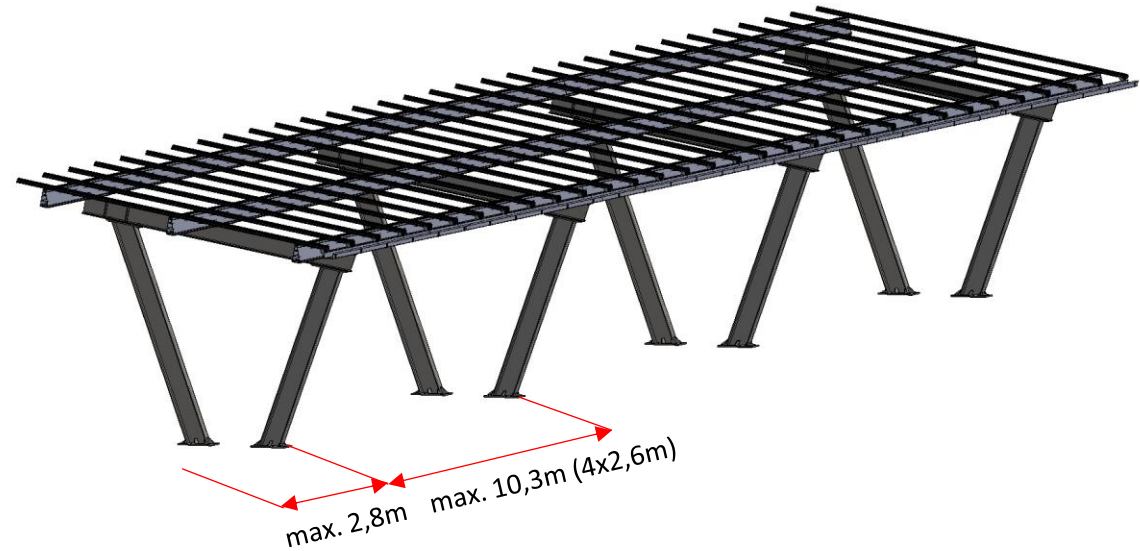
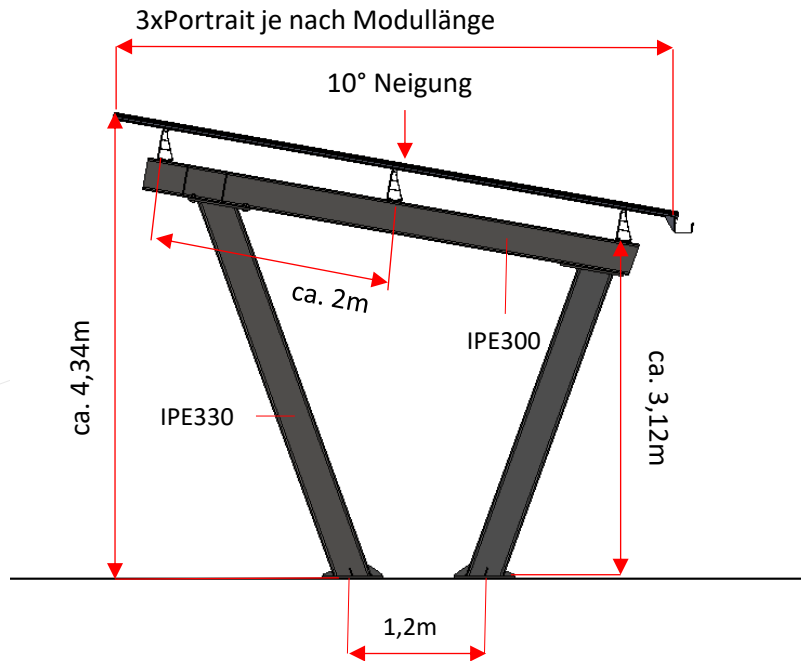
General Data Two-Post-System

- availability: project specific, no stock
- Min. 20 Parkplätze
- Raster of 4 parking places per Brace depending on location lower distances
- Foundation: Screwfoundation according to structural requirements
- At the End of the rows cantilever of one parkingplace
- Excecution: with or without Trapezoidal metal sheet
- Scope of delivery: Carport with screwfoundation; no electrical components

Doublerow Carport



Singlerow Carport





Connecting Strength

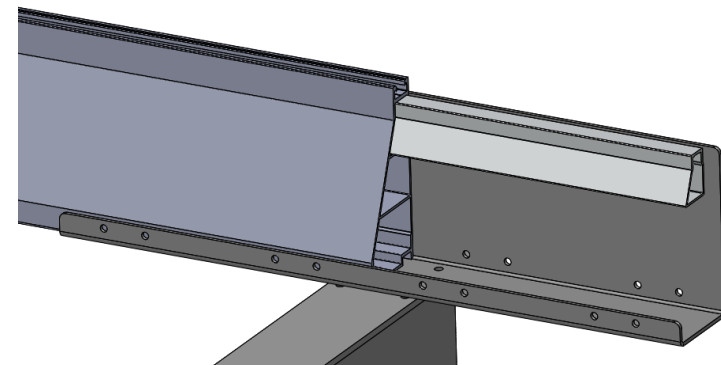
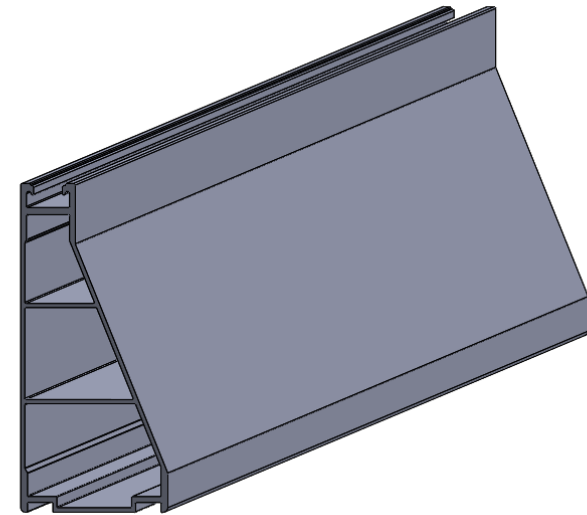
Braces

- Standard IPE 330 as Brace and IPE 300 as Bar
- Standard HDG
- Optional coating



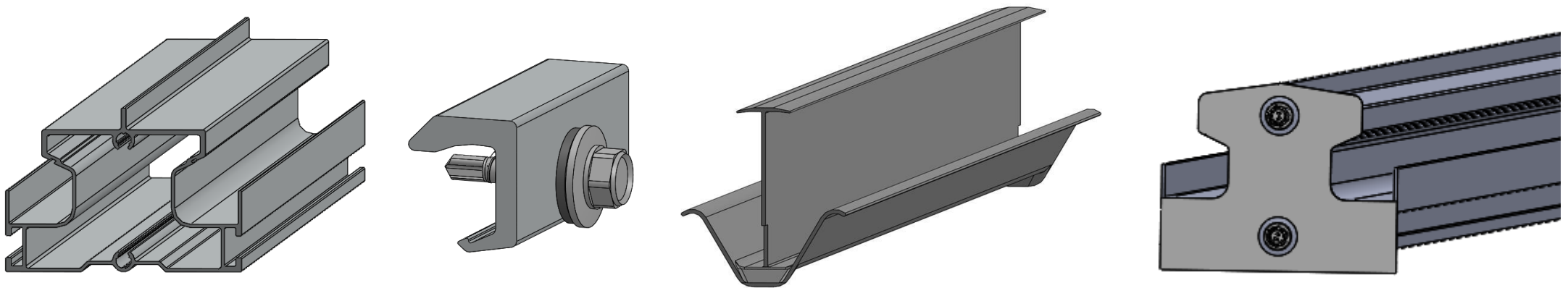
Purlins

- Aluminium purlin
- Purlin connection every brace except the outer purlins
- Delivery length up to 13m
- Connector made of an inlaying connector + outer metalsheet
- Connector has to be drilled on-site
- Outer metalsheet drilling template



Modulefastening without trapezoidal metalsheet

- Moduleraill will be fastened with a climber on the purlins
- The moduleclamping is on the lower brace of the moduleframe
- Between the short sides of the module a profile for waterguidance will be placed on the moduleframe
- On the edge of the rail a metalsheet as an endcap and sliding protection will be mounted





Connecting Strength

Modulfastening with trapezoidal metalsheet

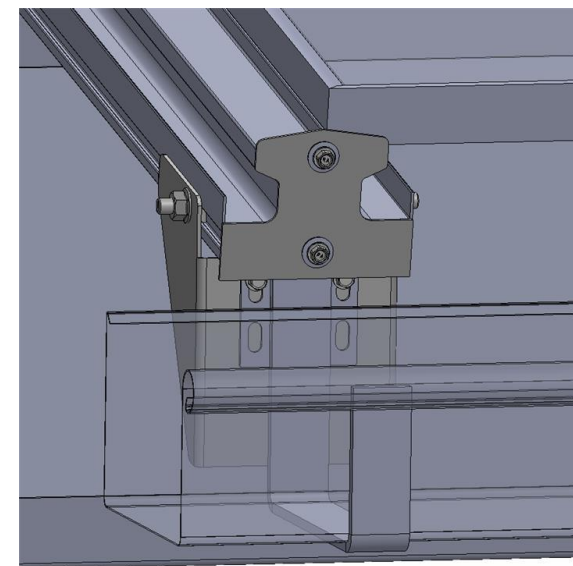
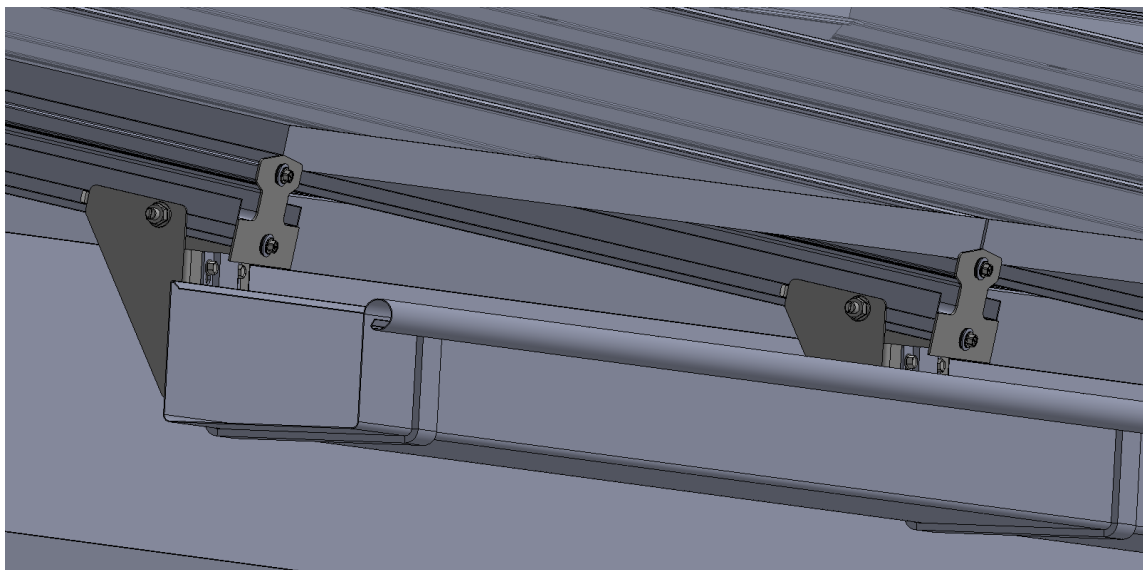
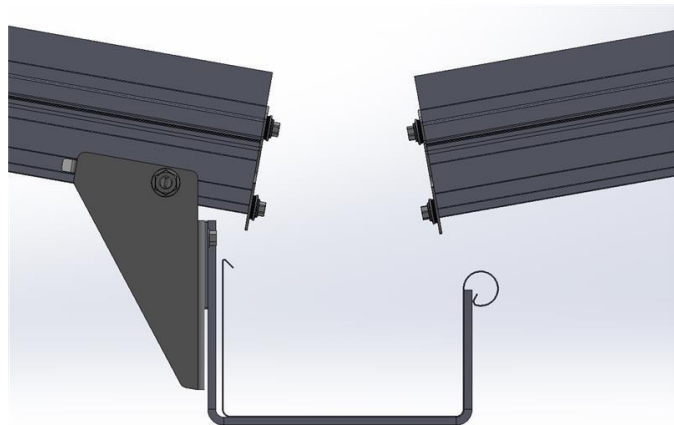
- Fastening of the trapezoidal metalsheet in the lowcrest with the purlin
- K2 MiniRail MK2 System with K2 Clamp for Modulefastening





Connecting Strength

Gutter





Connecting Strength

Foundation



- ca. 6,8 m³ concrete





Connecting Strength

Braces





Connecting Strength

Sample images





Connecting Strength

Sample images





Connecting Strength

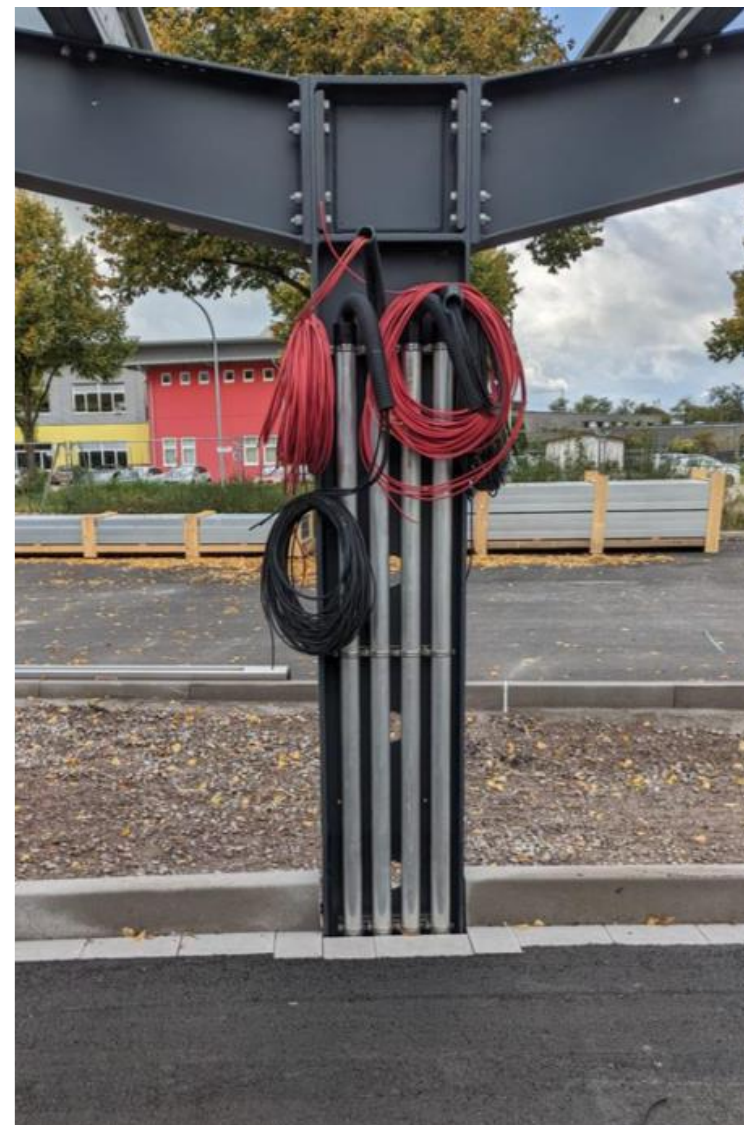
Sample images





Connecting Strength

Sample images





Connecting Strength

Sample Images





Connecting Strength

Sample Images

