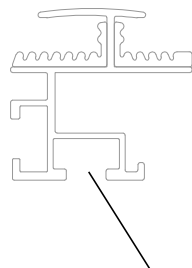
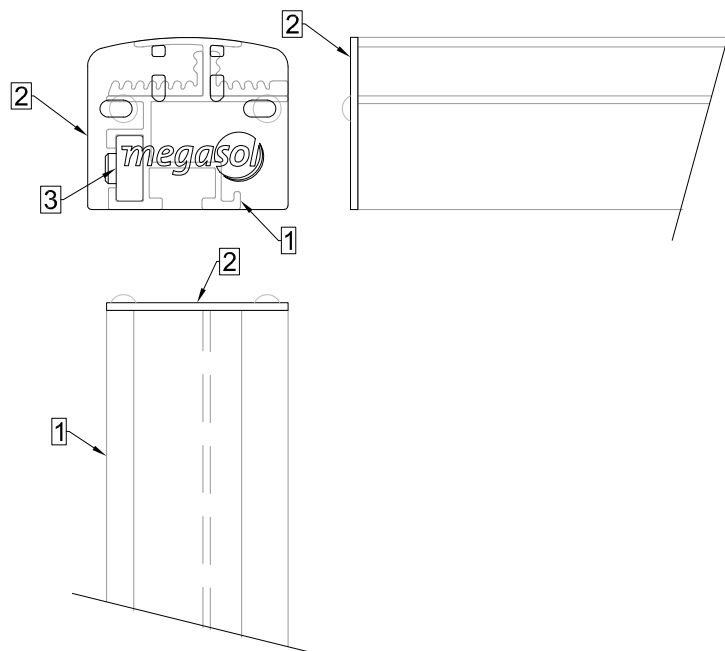
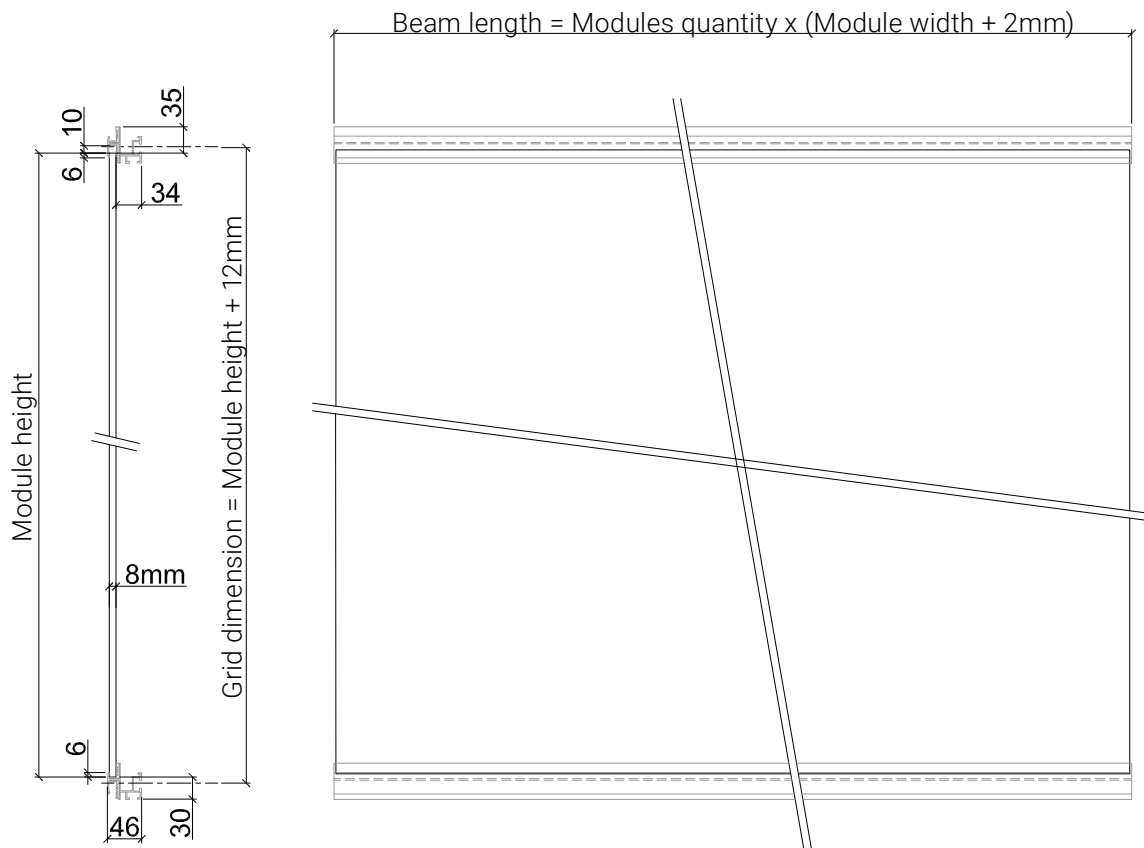


- 1 LAYIN beam (for 8mm GG modules)
- 2 LAYIN locking plate
- 3 LAYIN beams connector

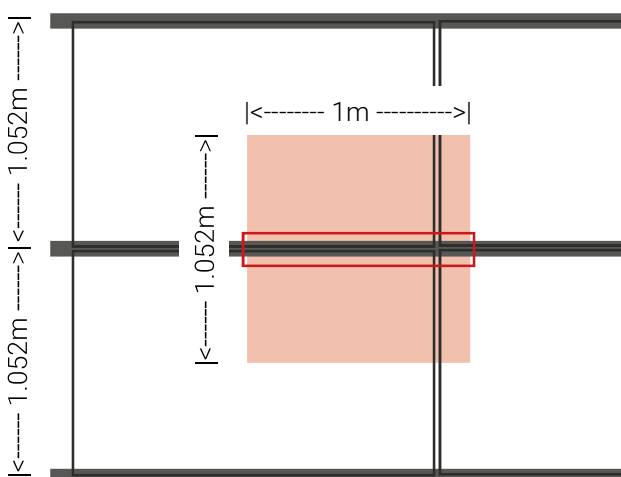
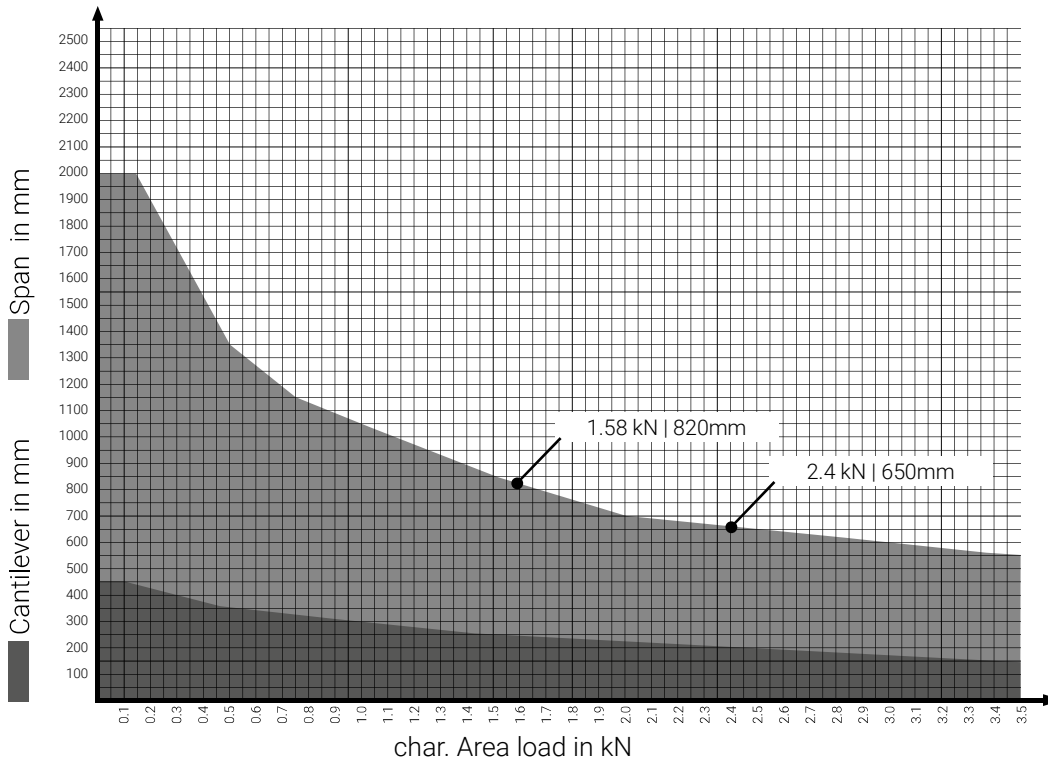


Megasol conenction sheet metal adapter,  
M10 screw head (z.B. DIN933 / DIN931 oder ISO4017 / ISO4014 mit S17),  
and Schletter components



Calculating example beam length:  $3 \times (1669\text{mm} + 5\text{mm}) = 5022\text{mm}$   
 If several beams are connected to each other, fillet joints must be planned.  
 A separation of the module field of 60mm after about 12m is recommended.

- Span/Cantilever in millimeters
- Area load in kN per running meter beam, char. value without load coefficients
- The LAYIN System must be mounted on a substructure that is designed to withstand the corresponding mechanical loads of wind, snow and dead weight of the solar modules
- System weight: approx. 23 kg/m<sup>2</sup> (8mm GG module)



- LAYIN beam
- impacting area per
- running meter beam

### Calculation example

(Force on LAYIN beam per linear meter)

Assumption char. Area load: 1.5 kN/m<sup>2</sup>

Exposed area

on 1m LAYIN beam: 1m x 1.052m = 1.052m<sup>2</sup>

Line load on 1m beam: 1.5 kN/m<sup>2</sup> x 1.052m<sup>2</sup> = **1.58 kN**

**Span according to table: 820mm**

### Megasol GG module layout

GG3 module (1669x999x8), long side in LAYIN beam

max. area load suction: 2400 N/m<sup>2</sup>

max. area load pressure: 5400 N/m<sup>2</sup>

GG6 module (1726x1040x8), long side in LAYIN beam

max. area load suction: 2400 N/m<sup>2</sup>

max. area load pressure: 5400 N/m<sup>2</sup>

Bei den angegebenen Werten handelt es sich um Testlasten (Test Load = Design Load x 1.5).