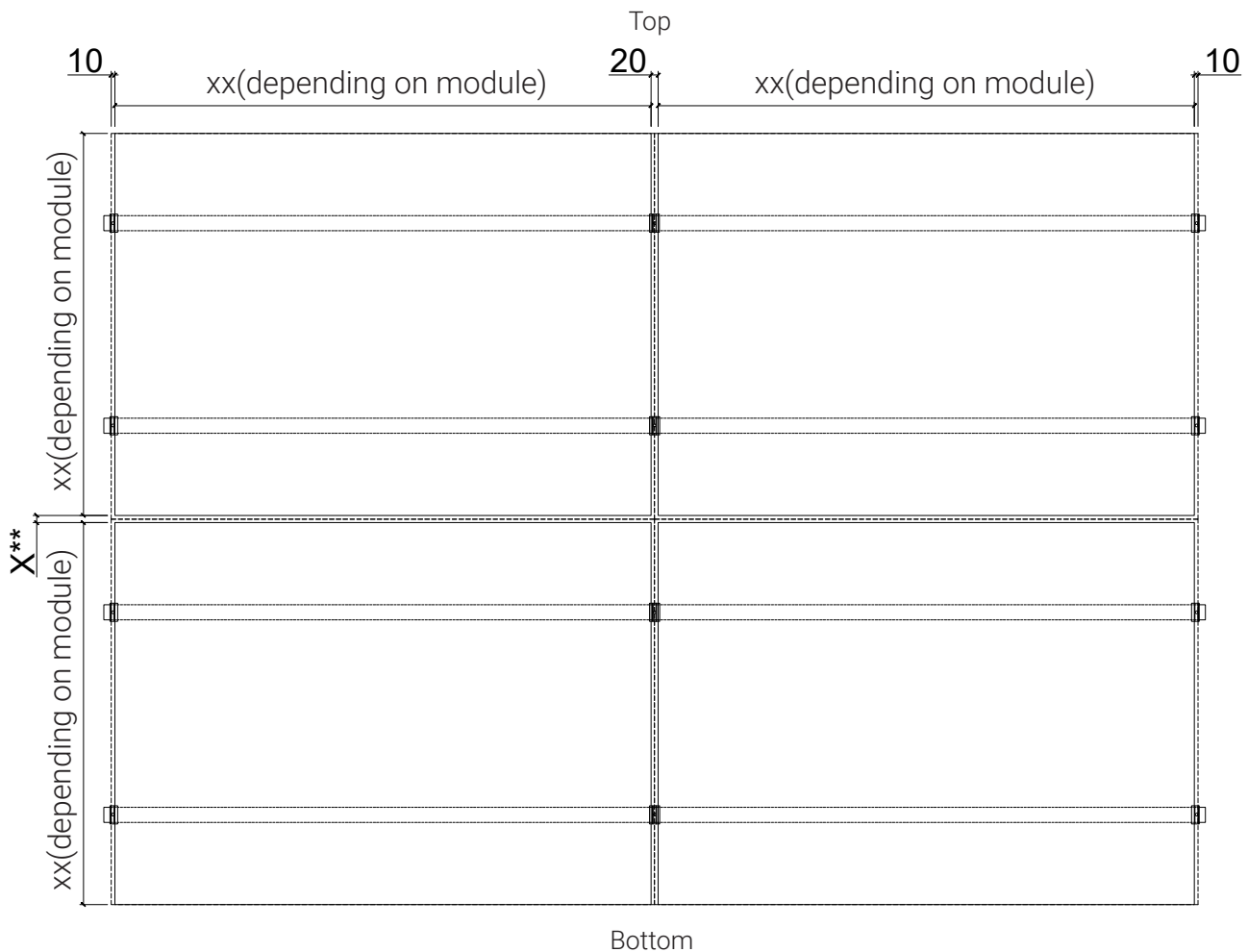


Almost all modules with U-frames are suitable for the LOCKUP system. However, the minimum distances between the module rows are the same for all modules. The modules can be mounted either Landscape or Portrait on the roof. Also the beams can be mounted either horizontally or vertically depending on the requirements and the roof connection.

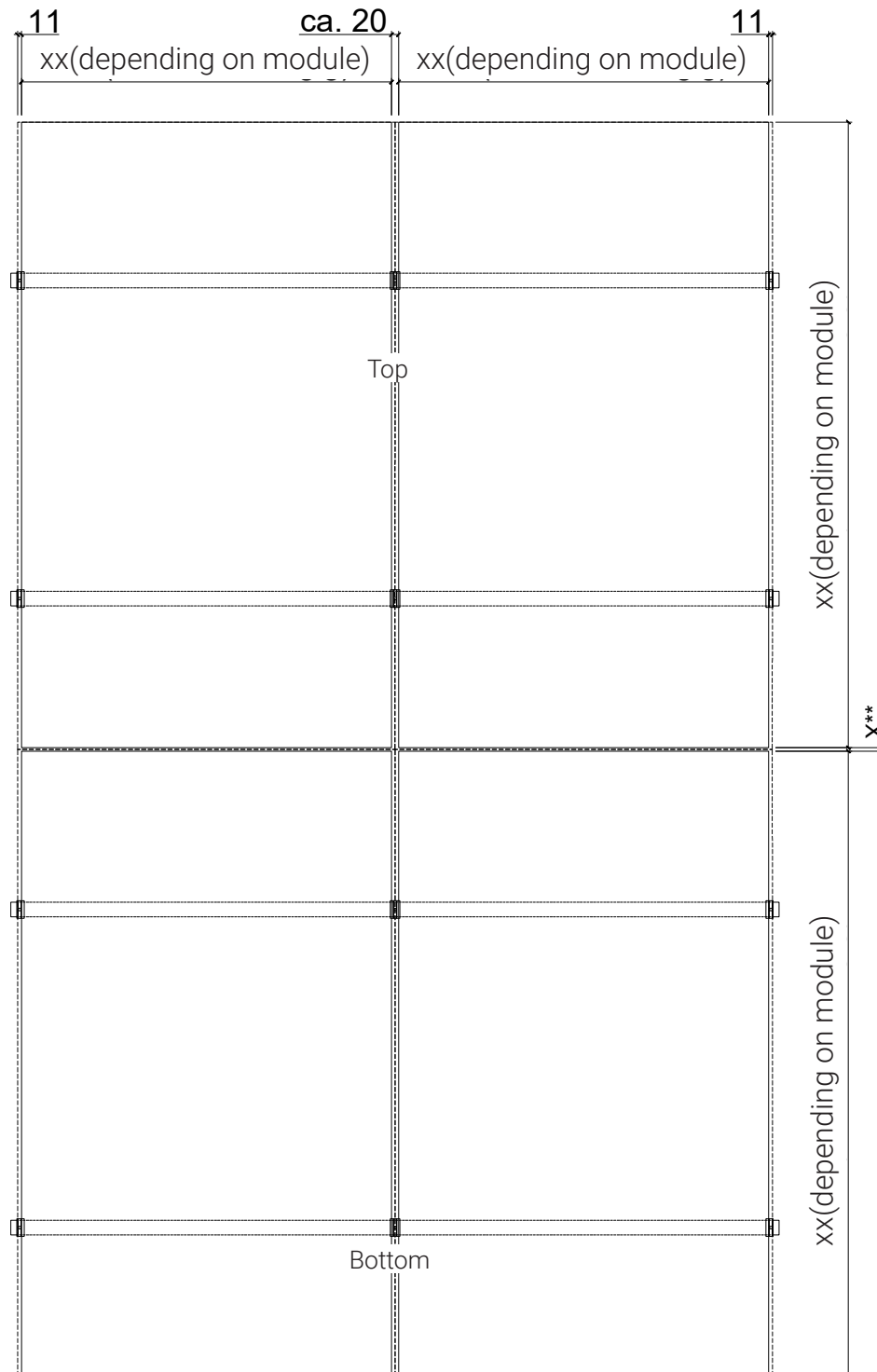
From a beam length of 12m, the module field must be interrupted for a dilatation joint of approx. 60mm. Each module must be secured with at least 4 clamps. For projects with increased requirements, a specific layout must be made. With additional beams, the modules can also be secured with more clamps.



*More information about mounting the modules: Assembly instructions for U-frame modules

**Spacing variable depending on grid dimensions. The modules can also be mounted adjacent to each other.

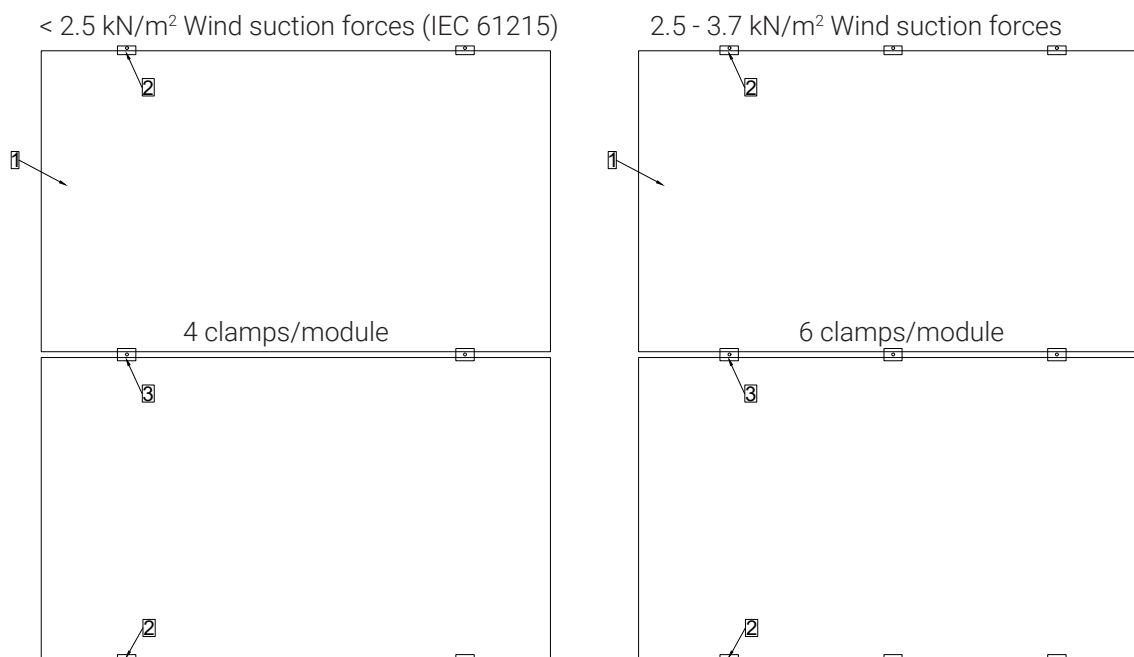
With the LOCKUP system, the modules can be installed in landscape (previous page) as well as portrait format on the existing pitched roof. If necessary (e.g. due to the installation situation or increased demands), cross-bonding with another support level is also possible.*



*More information about mounting the modules: Assembly instructions for U-frame modules

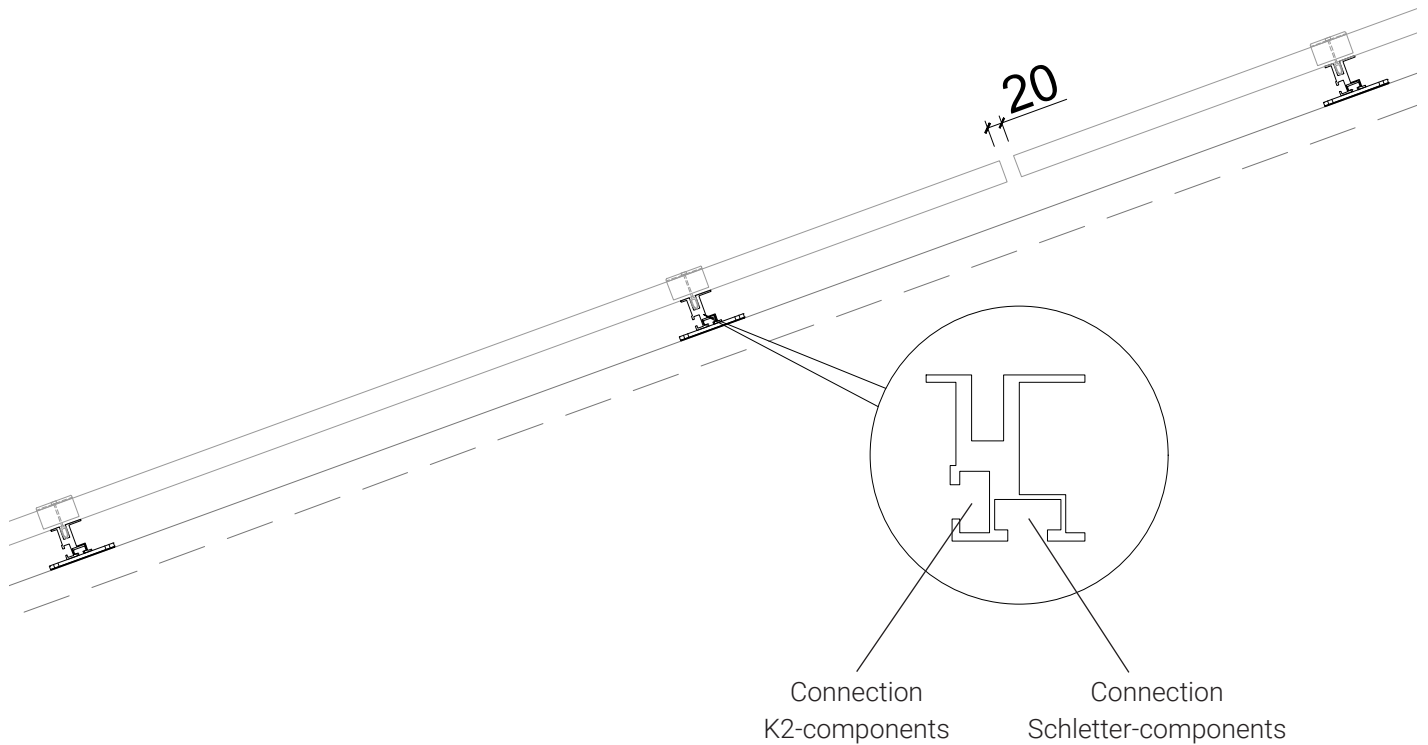
**Spacing variable depending on grid dimensions. The modules can also be mounted adjacent to each other.

- 1 Module with U-frame
- 2 LOCKUP end clamp
- 3 LOCKUP center clamp down



- Higher wind suction forces can also be realized after consultation.
- All data (kN/m²) are load limits without safety factors.

- 1 Module with U-frame
- 2 LOCKUP end clamp
- 3 LOCKUP center clamp down



- Max. length LOCKUP beam: 6700 mm
- Connecting profiles with LOCKUP connectors
- Screw down LOCKUP connectors on one side only
- Allow for a dilatation joint of 10 mm
- Each module is held with 4 clamps. For higher demands (from 2.5 kN/m² wind suction) more clamps resp. supports should be attached according to the project-specific design.