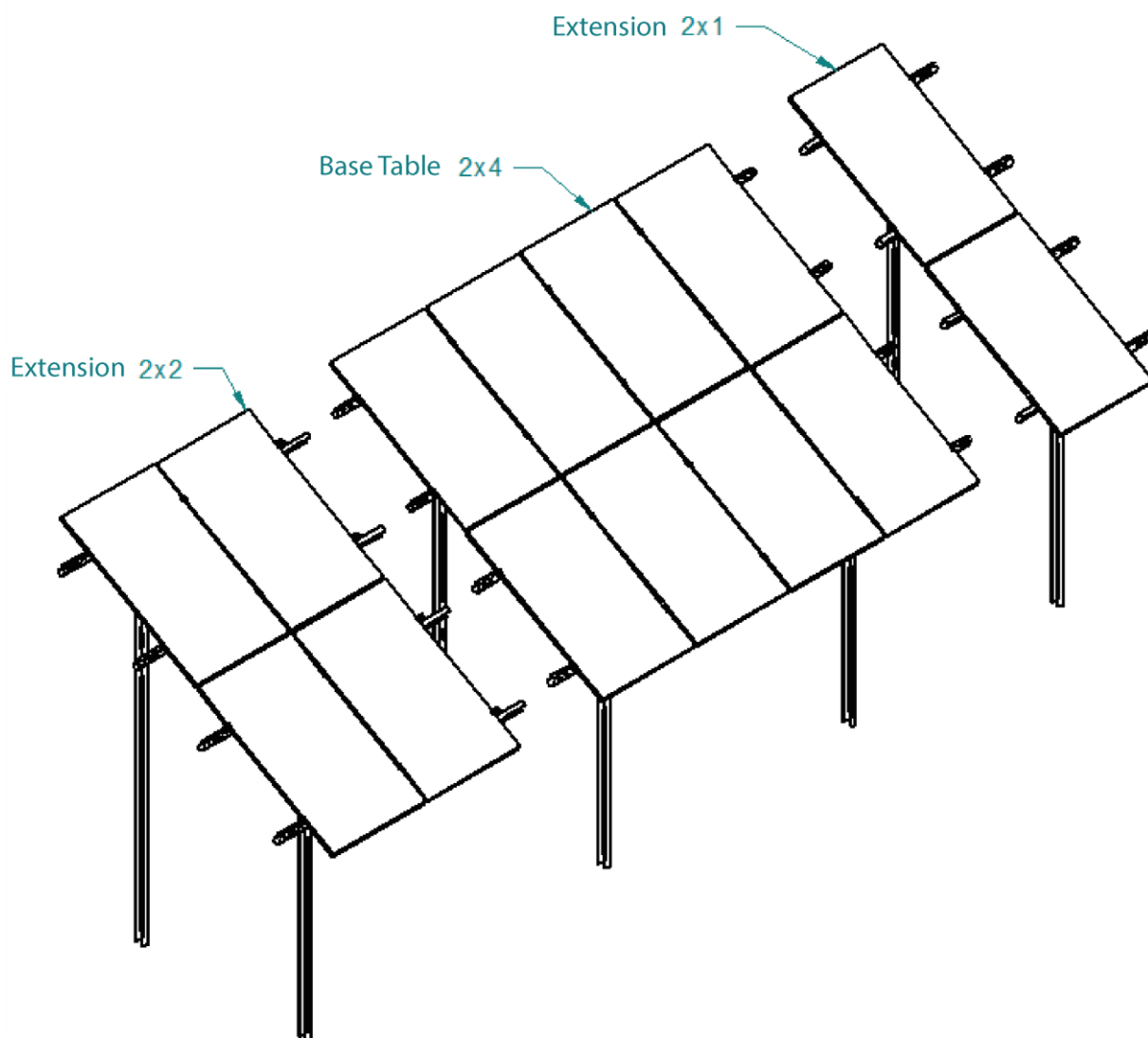


## Assembly Instructions for Universal Photovoltaic Panel Mounting Structures V2-C-U. Pitch: 30°

### V2-C-U CONSTRUCTION



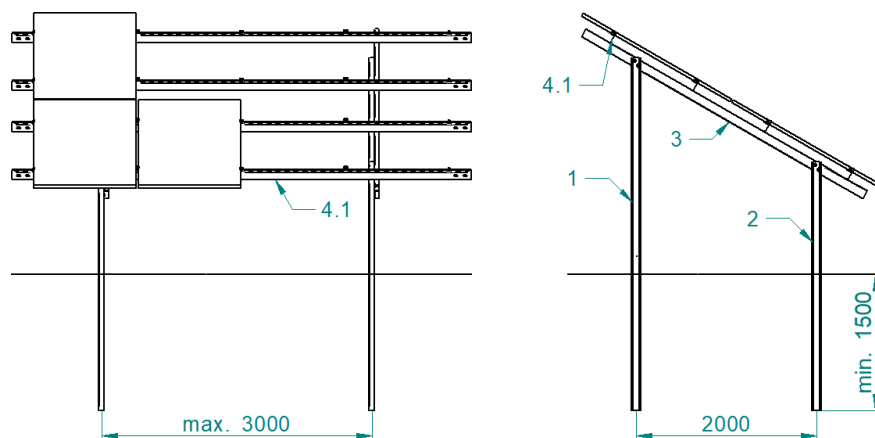
Bill of material:

| Serial Number | Name                                                  | Colors of Components | Profile          | Length [mm] |
|---------------|-------------------------------------------------------|----------------------|------------------|-------------|
| 1             | NT01-2,5-3900 – Rear Leg                              | Blue                 | C15-60-100-60-15 | 3900        |
| 2             | NP01-2,5-2750 – Front Leg                             | Blue                 | C15-60-100-60-15 | 2750        |
| 3.1           | KR01-2,0-3400 – Rafter (for panels from 1600 to 1900) | Red                  | C15-50-100-50-15 | 3400        |
| 3.2           | KR02-2,0-3600 – Rafter (for panels from 1900 to 2200) | Red                  | C15-50-100-50-15 | 3600        |
| 3.3           | KR03-2,5-4000 – Rafter (for panels from 2200 to 2500) | Red                  | C15-50-100-50-15 | 4000        |
| 4.1           | PŁ01-1,5-5100 – Purlin (for panels up to 1225 width)  | Green                | C15-60-100-60-15 | 5100        |
| 4.2           | PŁ02-1,5-2700 – Purlin (for panels up to 1225 width)  | Green                | C15-60-100-60-15 | 2700        |
| 4.3           | PŁ03-1,5-1400 – Purlin (for panels up to 1225 width)  | Green                | C15-60-100-60-15 | 1700        |
| 5             | LC-1,5-500 – Connector                                | -                    | C15-50-100-50-15 | 500         |
| 6             | ZS01-1,5-2230 - Brace                                 | Yellow               | C15-50-100-50-15 | 2230        |

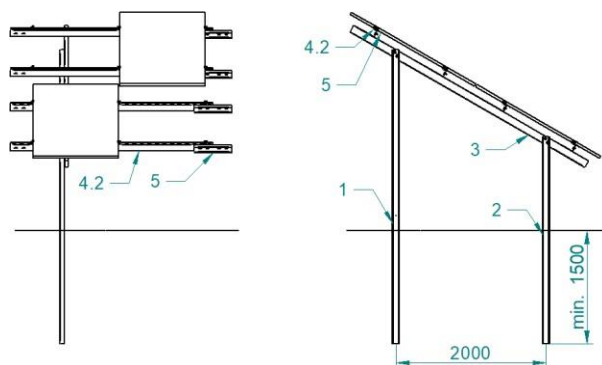
|                      |                                                                                      |
|----------------------|--------------------------------------------------------------------------------------|
| Purlin               |  |
| Rafter               |  |
| Front Leg / Rear Leg |  |

|           |                                                                                     |
|-----------|-------------------------------------------------------------------------------------|
| Connector |   |
| Brace     |  |

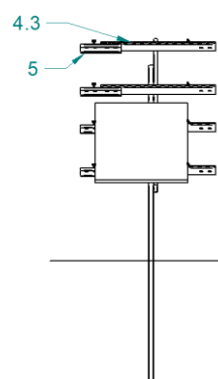
Base Table 2x4



Extension 2x2 for Base Table



Extension 2x for Base Table



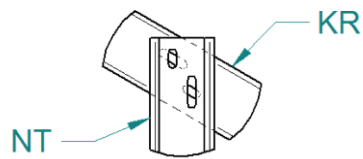
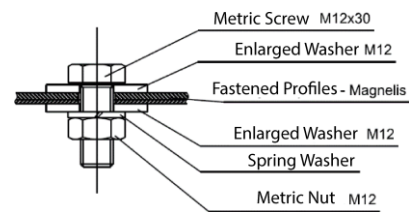
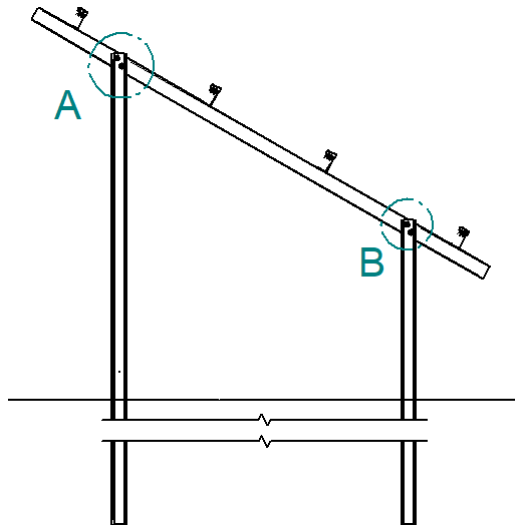
#### Assembly Sequence:

1. Determine the main axes of the structure.
2. Mark the axes permanently using rods, stakes, or string lines.
3. In the case of extensions, evenly space the main frame structures.
4. Drive the first row of supports (NT) to a depth of 1.5 meters, taking into account the uneven terrain.
5. Verify permissible deviations for the supports.
6. Drive the next row of supports (NP), ensuring perpendicularity between the front and rear supports.
7. Preliminarily install rafters (KR) and braces (ZS) on the supports, if applicable.
8. Adjust the positioning of the rafters.
9. Preliminarily install purlins (PŁ) on the rafters. When using extensions, connect the purlins with an LC-500 connector. If the purlins are too long, cut them on the extensions, not on the base tables (cutting purlins on the base tables will prevent you from connecting the base table with the extension).
10. Tighten all screw connections to the required torque.

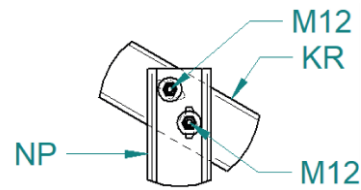
#### Required torque values for screw tightening:

- M8: 10 – 13 Nm (for central and end clamp assembly)
- M10: 29 Nm
- M12: 55 Nm

Installation of Rafters to Legs - Version without Bracing

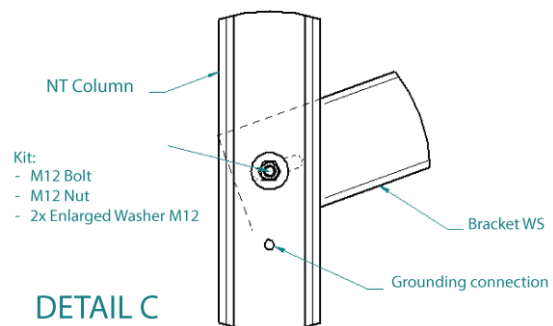
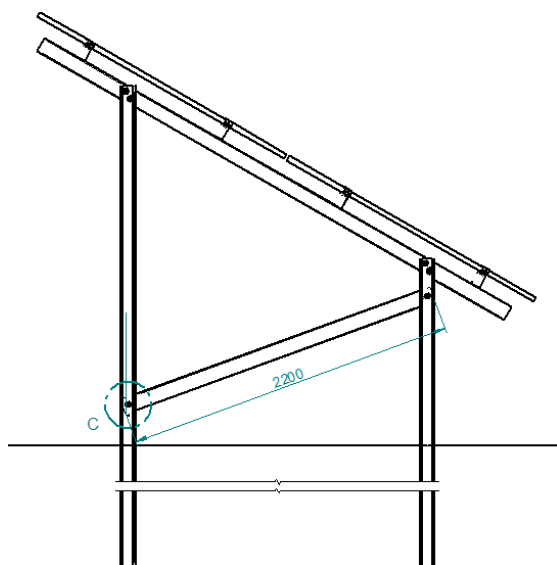


DETAIL A  
View of the connection without screws



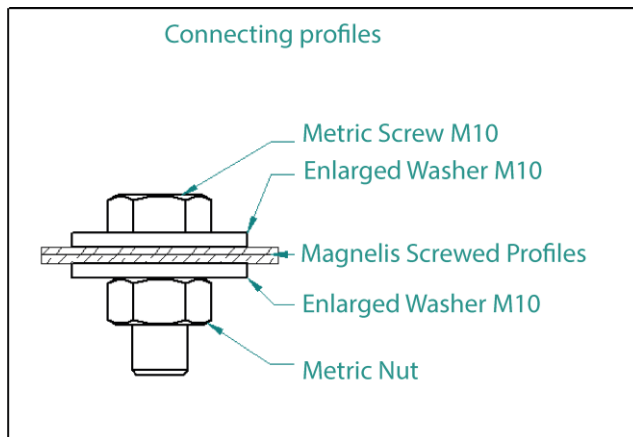
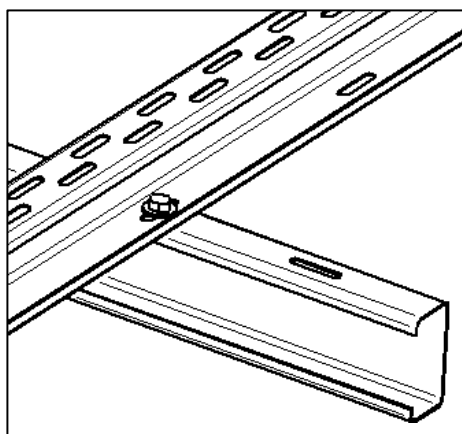
DETAIL B

Installation of Rafters to Legs - Version with Bracing

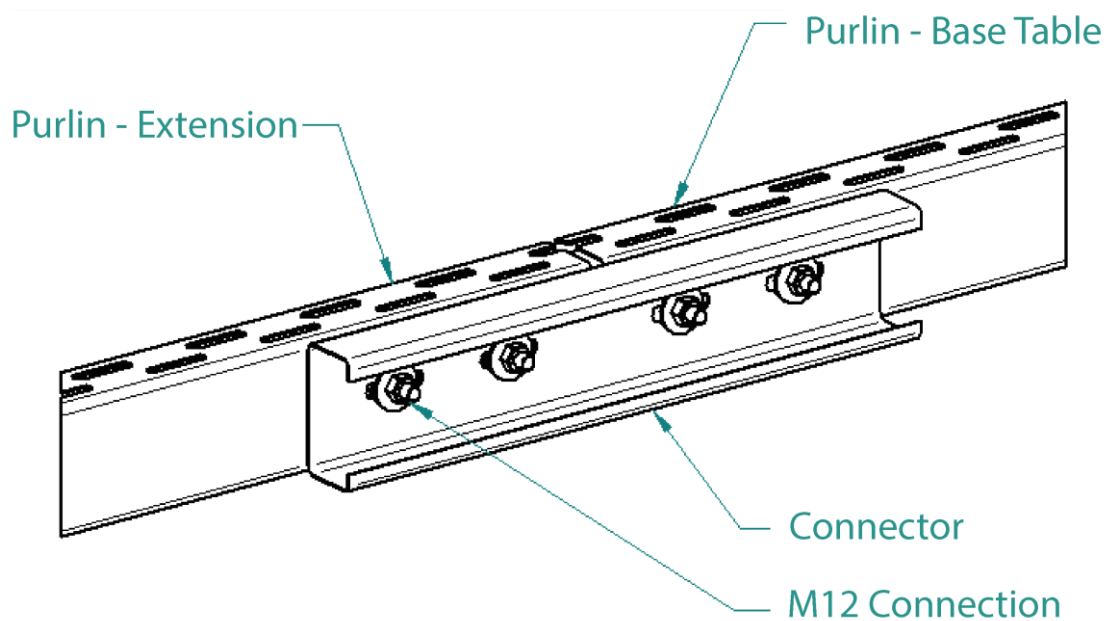


DETAIL C

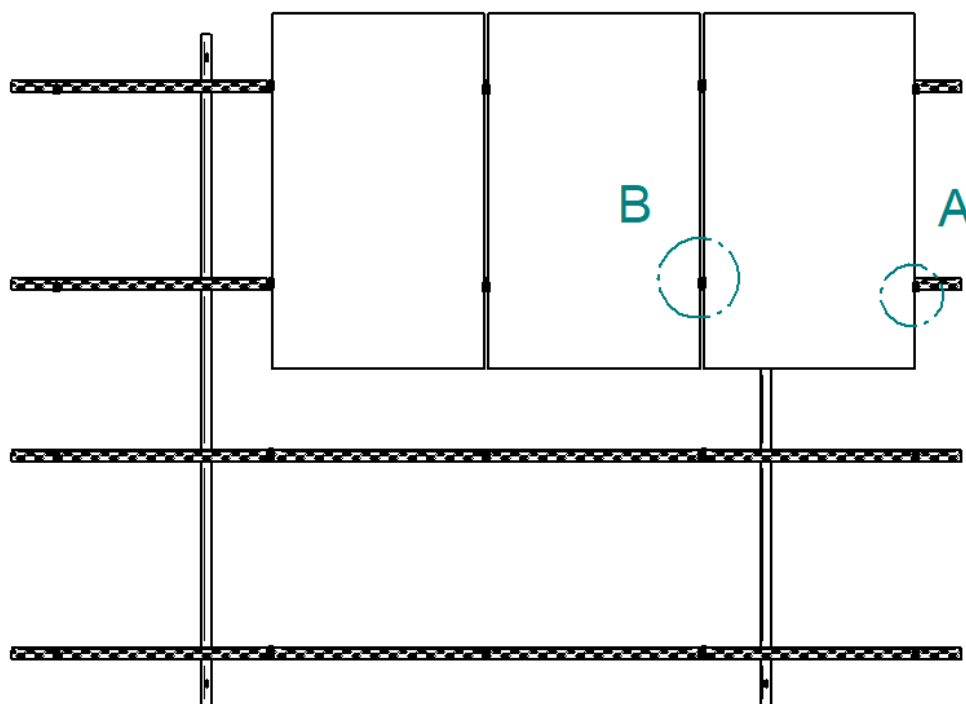
### Installation of Purlins to Rafters



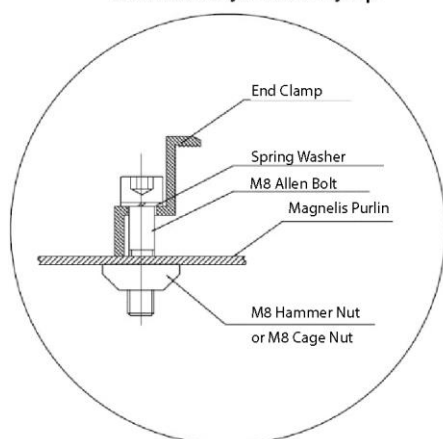
### Connecting the Base Table to Extensions



## Installation of Photovoltaic Panels



**DETAIL A (1:10)**  
Installation of End Clamp



**DETAIL B (1:10)**  
Installation of Mid Clamp

