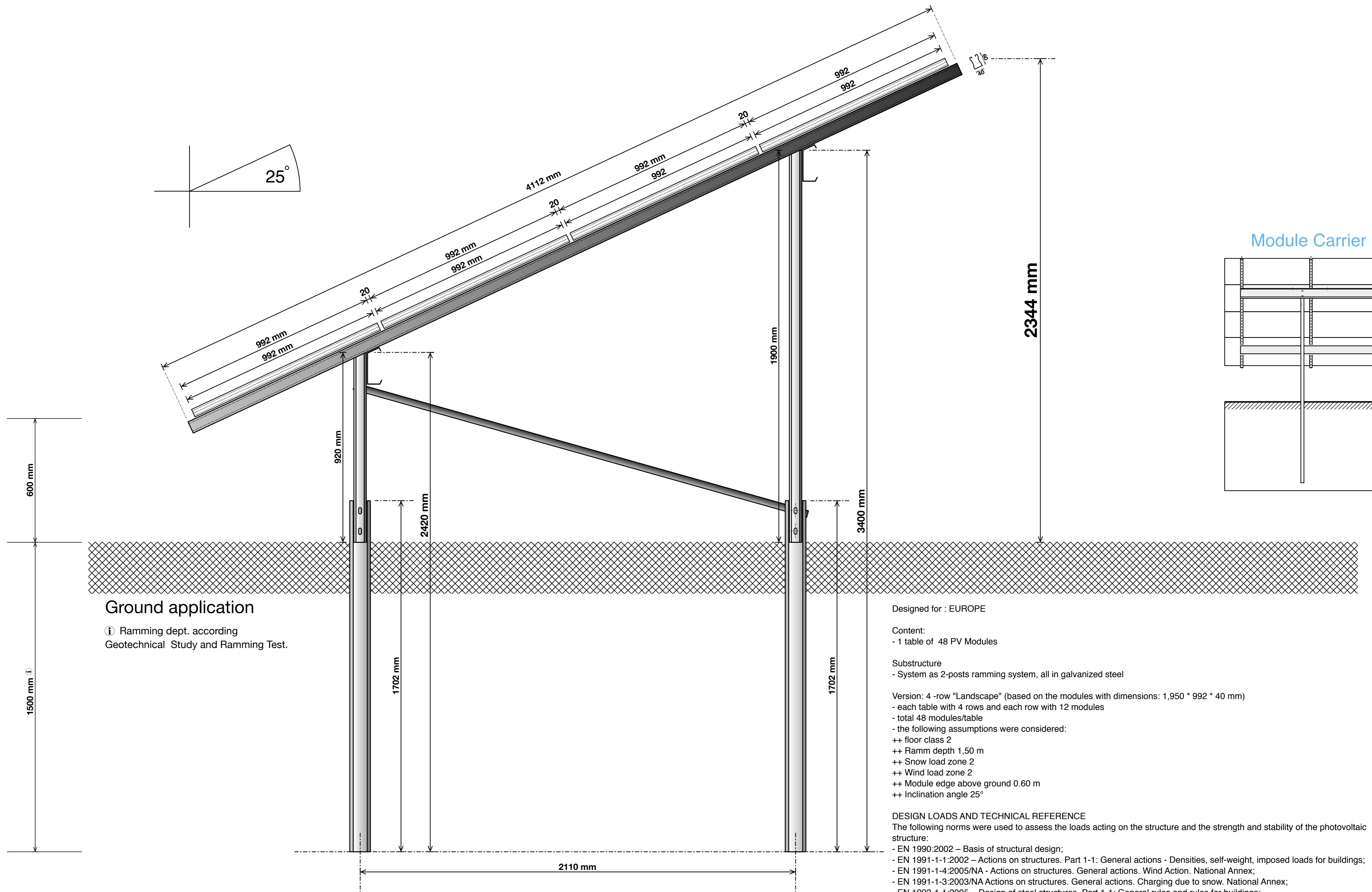


# PHOTOVOLTAIC 4 X 12 X 25 degree

# D



## Ground application

① Ramming dept. according Geotechnical Study and Ramming Test.

Designed for : EUROPE

Content:  
- 1 table of 48 PV Modules

Substructure  
- System as 2-posts ramming system, all in galvanized steel

Version: 4 -row "Landscape" (based on the modules with dimensions: 1,950 \* 992 \* 40 mm)  
- each table with 4 rows and each row with 12 modules  
- total 48 modules/table  
- the following assumptions were considered:  
++ floor class 2  
++ Ramming depth 1,50 m  
++ Snow load zone 2  
++ Wind load zone 2  
++ Module edge above ground 0.60 m  
++ Inclination angle 25°

### DESIGN LOADS AND TECHNICAL REFERENCE

The following norms were used to assess the loads acting on the structure and the strength and stability of the photovoltaic structure:  
- EN 1990:2002 – Basis of structural design;  
- EN 1991-1-1:2002 – Actions on structures. Part 1-1: General actions - Densities, self-weight, imposed loads for buildings;  
- EN 1991-1-4:2005/NA - Actions on structures. General actions. Wind Action. National Annex;  
- EN 1991-1-3:2003/NA Actions on structures. General actions. Charging due to snow. National Annex;  
- EN 1993-1-1:2005 – Design of steel structures. Part 1-1: General rules and rules for buildings;