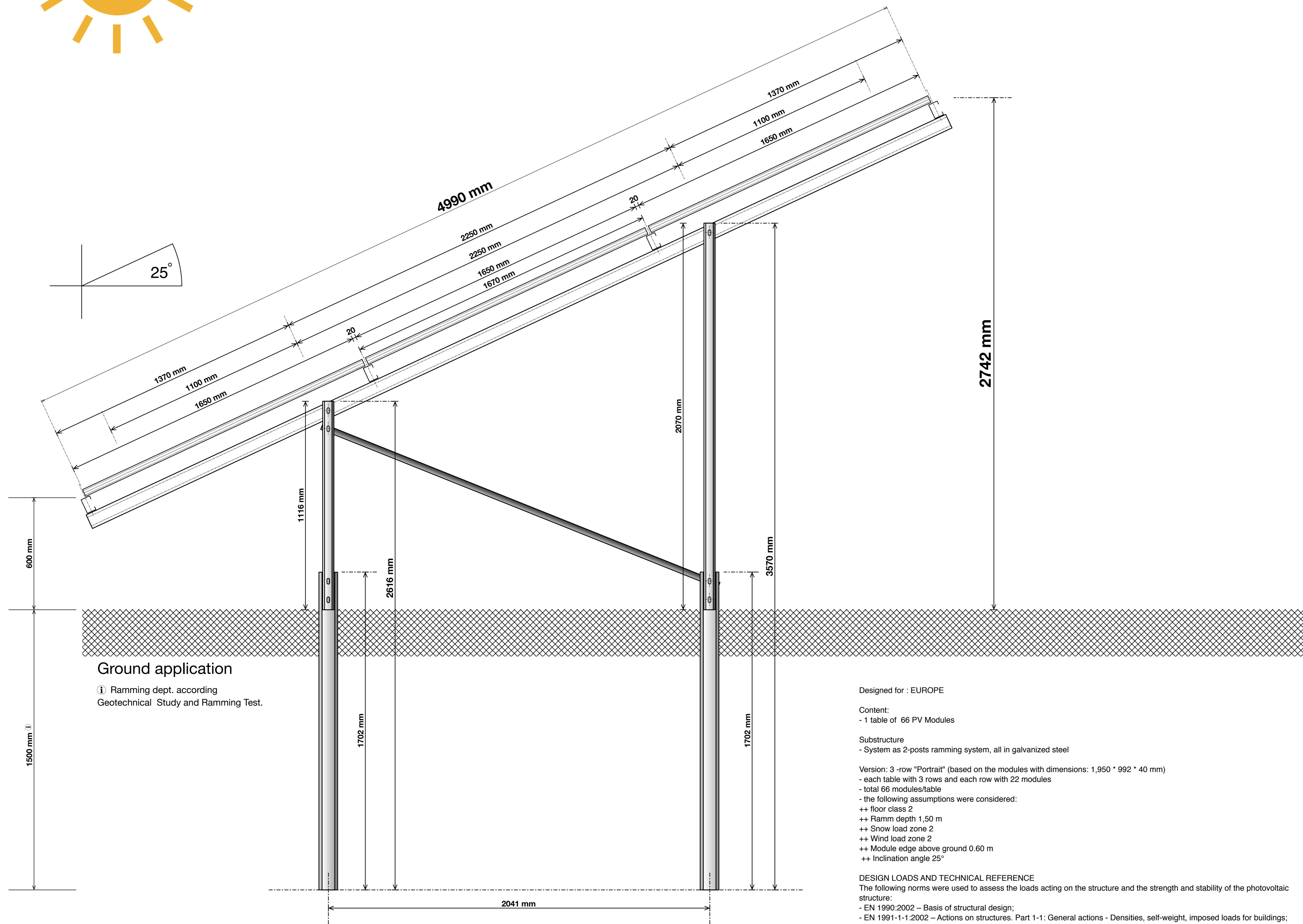




PHOTOVOLTAIC 3 X 22 X 25 degree

C1



Designed for : EUROPE

Content:
- 1 table of 66 PV Modules

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

Version: 3-row "Portrait" (based on the modules with dimensions: 1,950 * 992 * 40 mm)
- each table with 3 rows and each row with 22 modules
- total 66 modules/table
- the following assumptions were considered:
++ floor class 2
++ Ram 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;