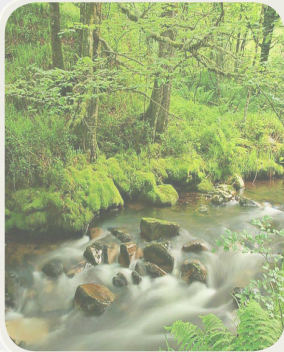


# MUNIELLOS System

S o l a r   f a r m s



The natural reserve of Muniellos is located in the Sout West of the Principado de Asturias, between the counties of Cangas del Narcea and Ibias, within the Natural Park of Fuentes del Narcea, and it takes a total space of 59,7 Km<sup>2</sup>, it is compound of three mountains; Muniellos mountain, La Villeja and Valdebois mountain.

The height goes from 680 m in the lowest areas up to 1640 m at the top of La Candasona. Muniellos' mountain is the heart of this natural reserve along with the short Muniellos river, a tributary of Narcea.

In 1982 Muniellos' mountain was included in a special protection system and declared Biological Natural Reserve.

Within its fauna, the most intimately related species to the forest are the Urogallo, and the Grizzly Bear, apart from wolves, boars, otters and wild cats.



## Contact

 **EUROPE - Offices & Factory**

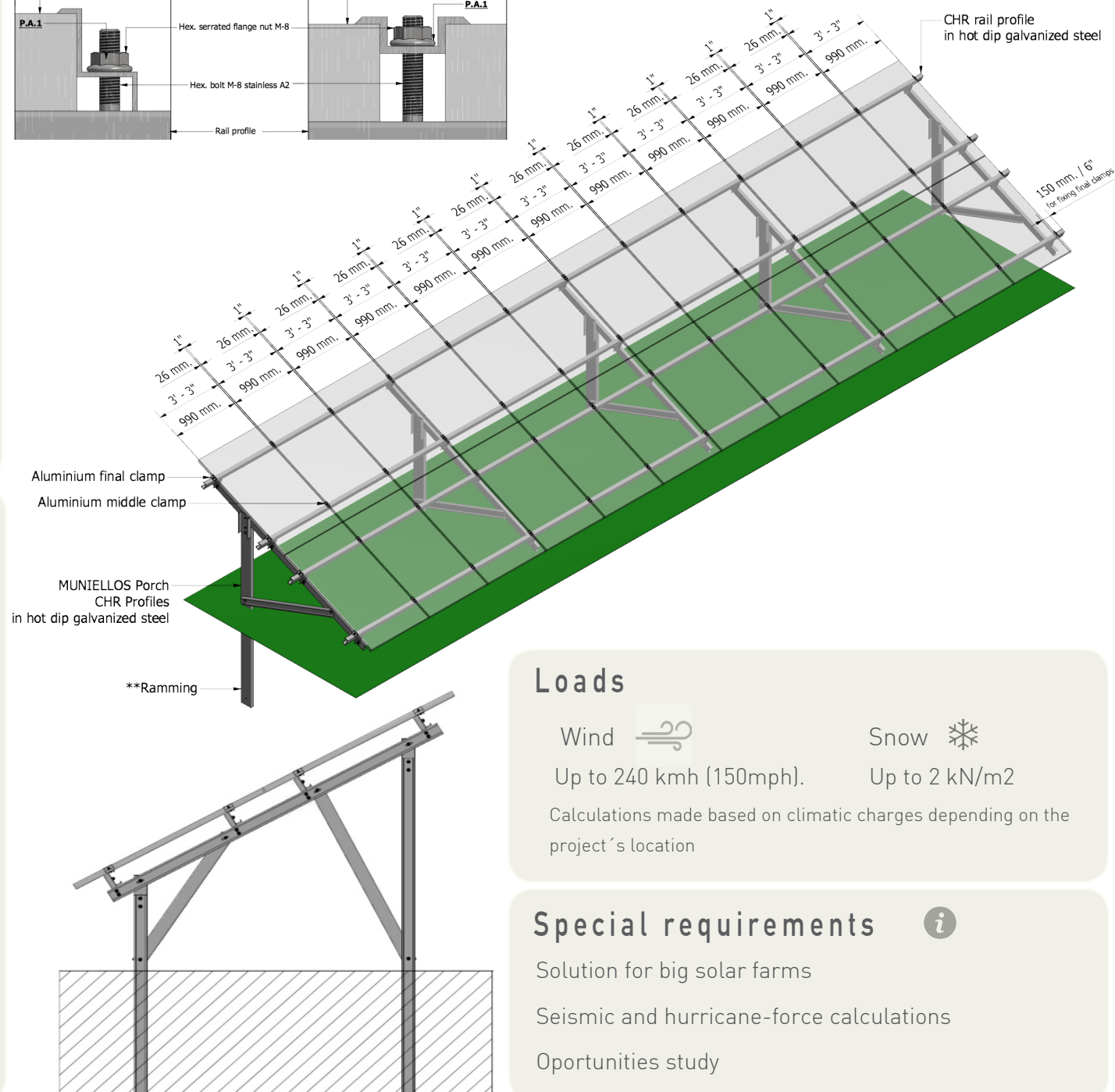
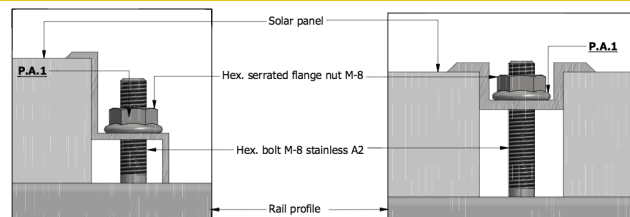
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## Guarantees


- ✓ Designs based on local climatic loads
- ✓ Panels universal fixing
- ✓ High versatility and suitability
- ✓ Special clamps: Thin & Frameless
- ✓ Quick delivery
- ✓ Comfortable installation
- ✓ Materials 25 years guarantee
- ✓ Works 2 years guarantee



## Technical features

- Profiles, clamps and accessories made in first fusion extruded aluminum
- Stainless steel A2/A4 hardware qualities, depending on the climate, with surface treatments option
- Loads direct transmission to the main structure.
- Antitheft screw option, hardware grooves system
- Several configurations available
- 100% reusable materials

## Loads

Wind 

Up to 240 kmh (150mph).

Calculations made based on climatic charges depending on the project's location

Snow 

Up to 2 kN/m<sup>2</sup>

## Special requirements

- Solution for big solar farms
- Seismic and hurricane-force calculations
- Opportunities study