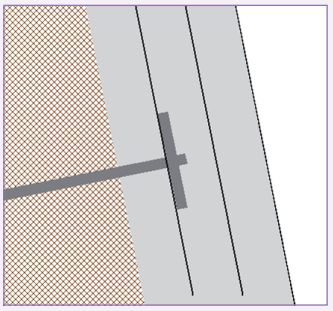
A reliable, powerful tool, according to Eurocodes

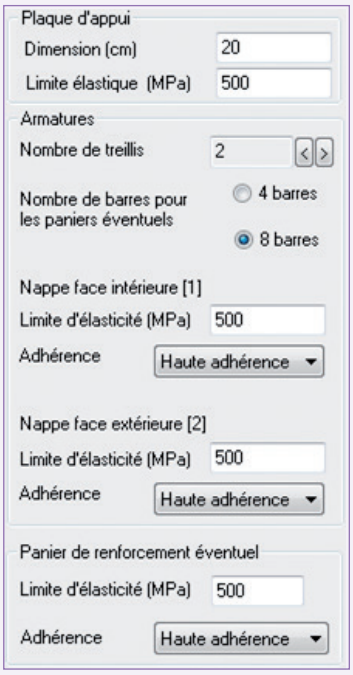
GEOSPAR

Design of nailed and anchored walls facings

An easy facing analysis

- **Sprayed concrete thickness**
- **Position and section of steel reinforcement layers**
- **Bearing plates dimensions**



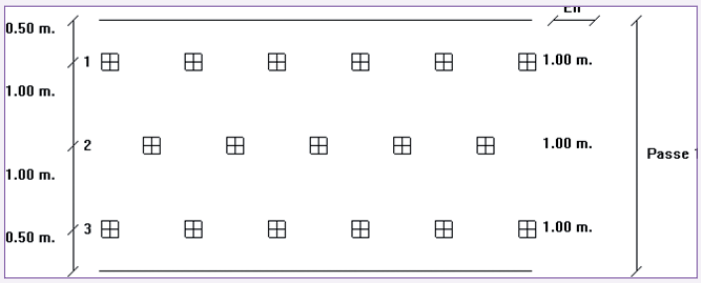


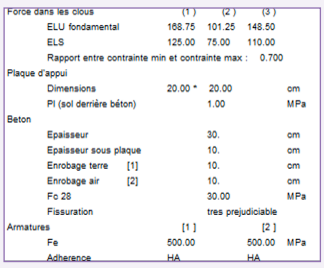
A fast and interactive modelling

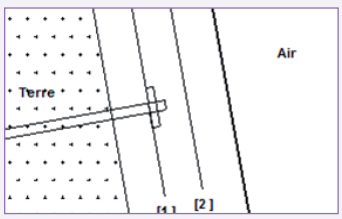
- Definition of **simple and complex meshes**
- Definition of facing's **mechanical characteristics**
- **Importation of the efforts in the facing** from **GEOSTAB**

Summary reports

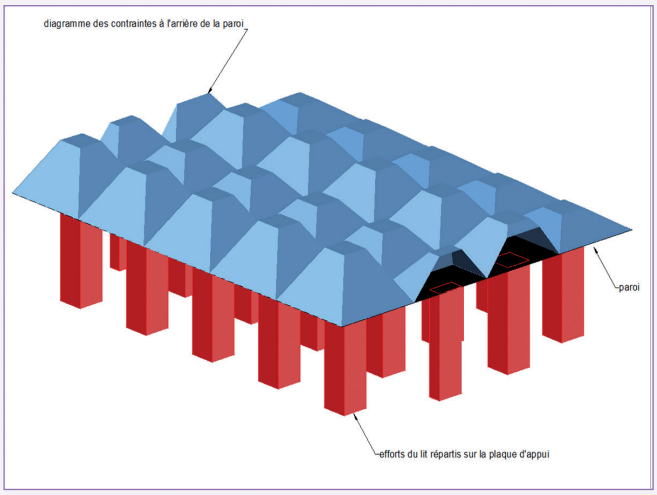
- Systematic recall of **all the data input**
- Synthesis equivalent to a **calculation note**





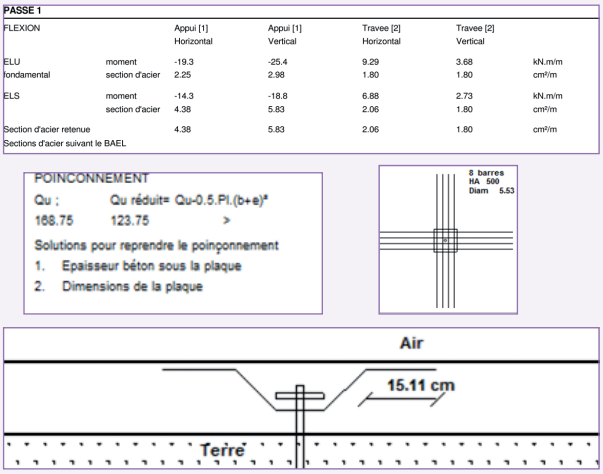


Geos



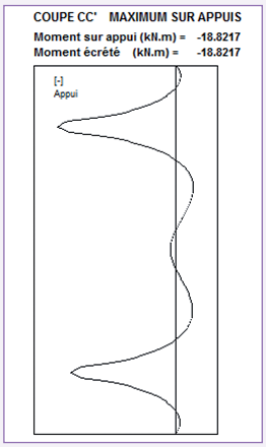
A COMPLETE DESIGN

- **Steel sections** supporting bending moments
- **Non – fragility condition** of the wall, according to **cracking criteria**
- **Punching of the bearing plate** on the facing



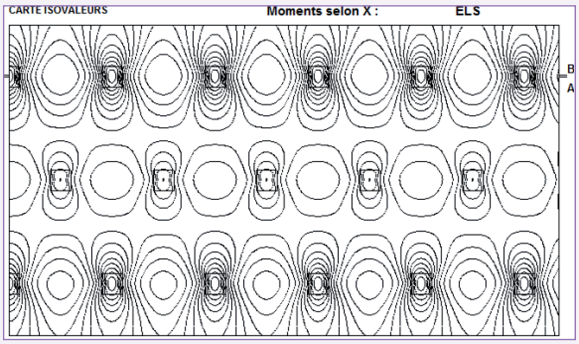
A DESIGN ACCORDING TO THE CURRENT STANDARDS (EUROCODE 2)

- Steel reinforcement sections are calculated according to **BAEL 91 and NF EN 1992-1-1 (concrete structures calculation)**
- **GEOSPAR** integrates the loads applied on the facing, whether by **stripes,** or by **trapezoidal repartition** with zero stress or not in midspan
- **GEOSPAR** models the facing as a **rigid plate on punctual supports**



A RESULT EXTRACTION FUNCTION

- Report of the steel sections design
- **Moment isovalues map**



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