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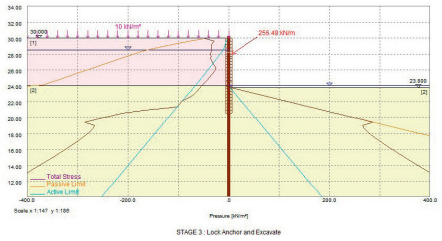
Frew

Geotechnical Engineering Software

The ideal tool for embedded retaining wall analysis

With this software, engineers can output wall embedment, as well as predict the response of the wall and props in multiple stages.



Frew graphical output

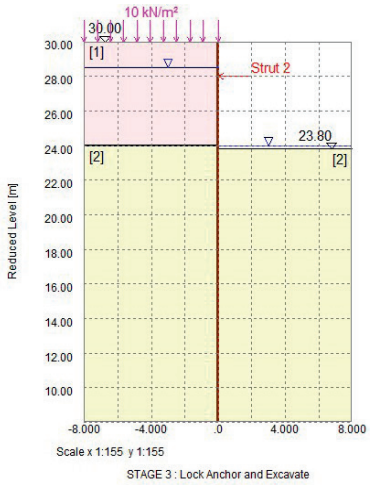
Frew enables engineers to define and solve even the most complex embedded retaining wall problem quickly.

Fast analysis with high quality and flexible output, Frew checks the stability of cantilever and propped retaining walls and predicts the displacement, shear forces, and bending moments of the wall. The program also calculates the earth and water pressures on each side at each construction stage. Suitable for sheet pile, secant, contiguous or diaphragm walls, it supports the latest building standards. Advanced Program features include seismic analysis, wall relaxation and drained to undrained transition.

With this software, engineers can calculate the required wall embedment length using a choice of methods.

Frew offers quick problem setup and revision with a unique stage 'memory' feature. It enables users to model sheet pile corrosion by varying the stiffness down the wall. It also provides fast analysis with high quality and flexible output, including results that can be exported to Excel for post-processing.

Frew incorporates a new feature to test the stability of the retaining wall in all the stages.



Frew graphical input

Frew also enables the user to factor materials and actions in accordance with EC7, thus simplifying the process of incorporating EC7 into their design. What's more, Frew possesses a unique feature that enables integral bridge design to EC7 using a powerful post processor.

Easy to set up and use, Frew is relied upon by leading engineering firms around the world.

Benefits

- Accurate simulation of problems with a wide range of capabilities for retaining walls.
- Wizard enables user to automatically generate nodes and multiple stages with ease
- Integrated partial factor analysis including EC7
- Quick method of analysis and extensive output capabilities
- Advanced features include Integral Bridge Analysis, Drained to Undrained Transition, Wall Relaxation and Batch Analysis to allow for modelling multiple toe levels

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