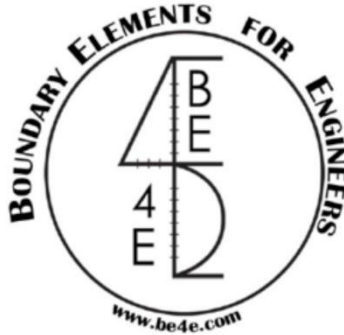


PLPAK NEWSLETTER

Your host to the latest progress and updates



Accurate / Fast Analysis & Design of Rafts

Using boundary element technology via the PLPAK

1. Accurate area (geometrical) modeling for:
 - Applied loading (columns, wall load, or load assemblies)
 - Supporting soil elements (continuous soil area supports)
 - Piles (modeled as actual circular elements)
2. Soils could be regarded as continuous springs according to winkler assumption or as elastic half space with multi-layering.
3. Direct (no iteration) solution for rafts resting on elastic half space.
4. Both soil and piles could be modeled together as supporting elements.
5. No need for internal meshing (mesh is placed only on the raft perimeter).
6. Very easy link to automated RC design package.

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CONTACT:

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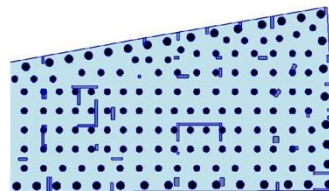
DEVELOPMENT

The PLPAK software is in constant development to meet the needs of industrial and research purposes. Updates to the software will be posted monthly.

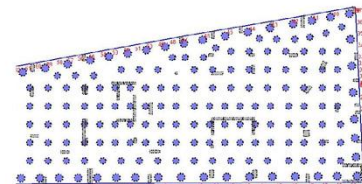
EDITORS

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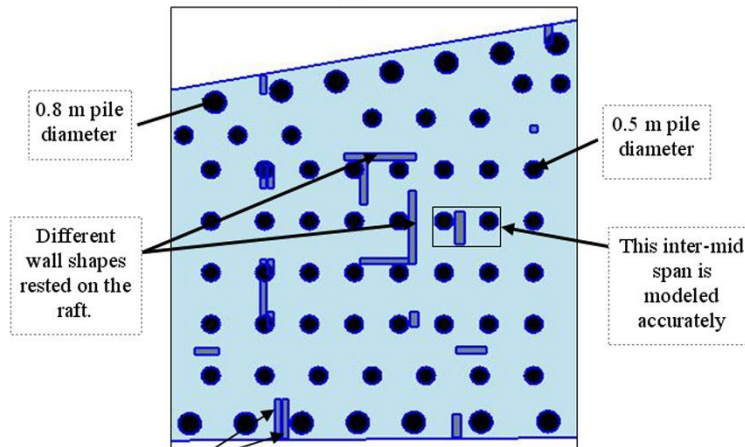
PLGen appearance of piles



PLView appearance of piles

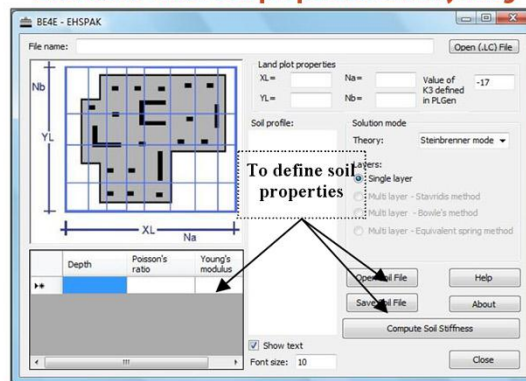


Closer look at generated model

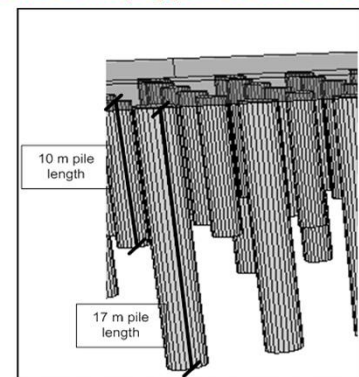


Two column loads (actual geometrical modeling)

EHSPAK to enter soil properties and layering



Piles as they appear in the 3D view



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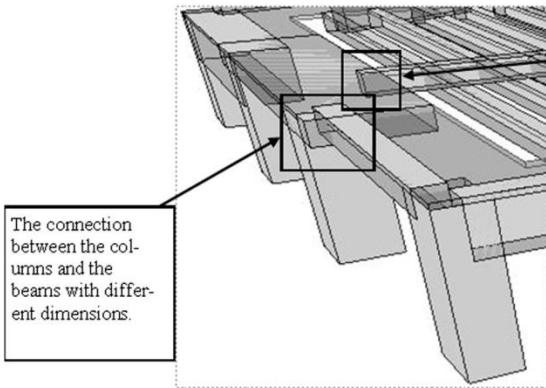
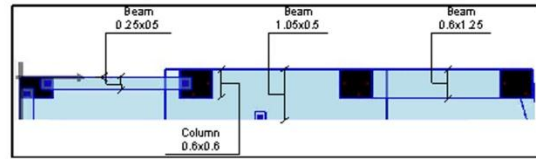
You can now register on our website for more exclusive features related to boundary element analysis in structural engineering. Connect via this link: www.be4e.com, or you could use the following code on the right.



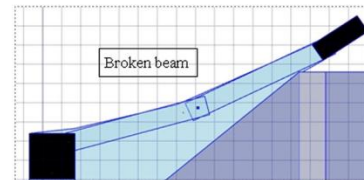
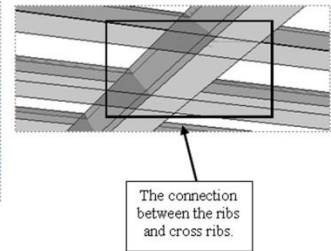
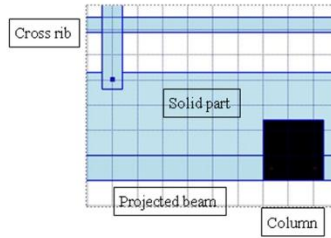
Detailed Analysis and Design of Hollow Block Slabs

1. Accurate area (geometrical) modeling for:

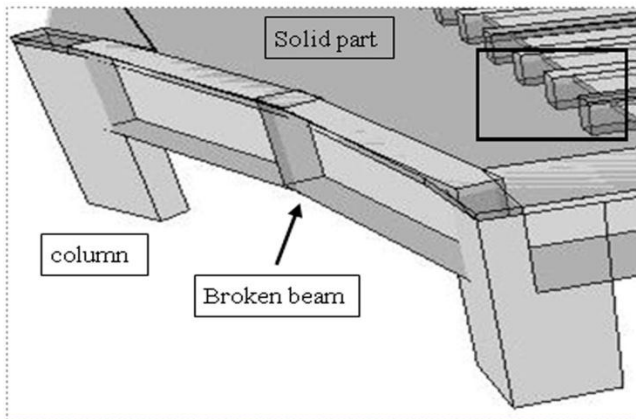
- Applied loading
- Every individual rib could be modeled.
- Columns are modeled by real dimensions.
- Hidden beams modeled by real dimensions.
- The connection between the supporting elements.



The connection between the beams and hollow block ribs.



2. No need for internal meshing (mesh is placed only on the slab perimeter).
3. Very easy link to automated RC design package.
4. Accurate punching check.



The connection between the solid part and hollow block ribs.

In need of more questions answered?

We are always on the alert to answer your queries and support your smooth transition to a better boundary element sense in analysis. Send us any queries or comments to our new [Questions & Answers] page and await our reply in the coming issue! <http://www.be4e.com/site/node/56> The form which you can fill out is shown below:

Boundary Elements for Engineers

The PLPAK - Boundary Element Analysis

REAL GEOMETRY MODELING OF ALL STRUCTURAL MEMBERS

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