

BEAMD 2018 ENHANCEMENTS

BEAMD:

General:

- Setup - Code factors for EC2: different parameters can now be defined for each country.
- Make a copy of the current beam: the beam can now be copied with the detailing

Design:

- The options dealing with the "no. of legs" have been combined and the design has been improved.
- EC2 - A point load within "2d" of the support. The option has been revised as follows:
 - the user now specifies whether the bottom span reinforcement is extended to the support.
 - the program always calculates the links within "2d" according to the Code equation for this case.
 - if the reinforcement is extended to support, the program calculates β and reduces the shear.
- "Data" option: the units for all values are now displayed.

BARPLT:

- The program now details bars in beams where the width varies between spans.
- A symbol has been added for Grade 500 steel: Φ_w
- A new option in the side menu - "Detail again": the program returns to the Parameters option.
- Setup - new display options have been added: text location, spacing between bars, spacing between texts, etc.
- Links: the distance from the support face to the first link can now be specified.
- Beams with flanges:
 - the program now places a longitudinal bar in every corner of the flange link.
 - beams with top & bottom flanges: different options can be specified for each flange.

Section:

- "Hatch" - hatching can now be added to the section; several hatching styles are available.
- "Extend line" - lines can now be extended to another line
- "Offset line" - lines can now be offset from their original location.
- "Link title" - the title can now be displayed above the link without an arrow.
- "Add block" - rows or stacks of blocks can now be added.
- "Level" - symbols can now be added to the level text.

The following example shows the new Section options:

