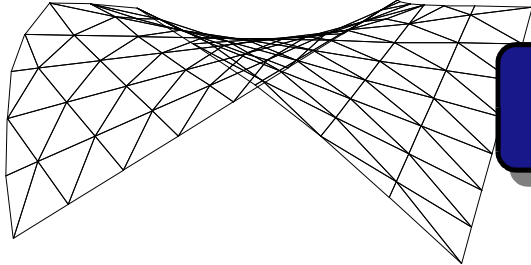


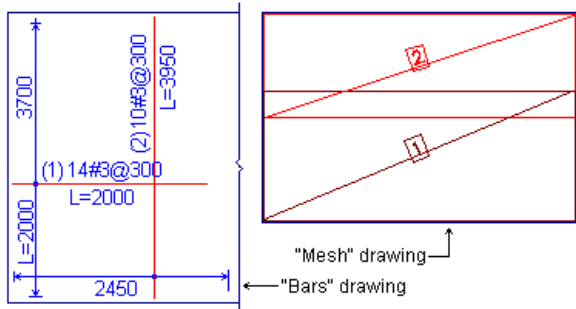
STRAP

Version 12.5



Slab detailing

The program calculates and details the slab reinforcement, either as an arrangement of individual bars, a pattern of prefabricated meshes, or a combination of both.



The reinforcement areas are calculated automatically from the STRAP finite element analysis results

Parameters:

Prefabricated mesh dimensions may be defined and the program then selects the most suitable mesh at every location:

N.	Size - X	Size - Y
1	600	250
2	400	300
3	350	
4		

Partial meshes

X direction, use:

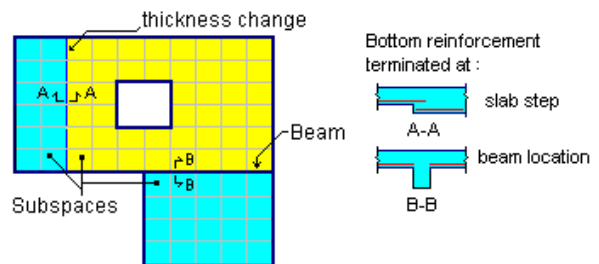
Y direction, use:

<input type="radio"/> only full meshes	<input type="radio"/> only full meshes
<input type="radio"/> also 1/2 mesh	<input type="radio"/> also 1/2 mesh
<input type="radio"/> also 1/2,1/3	<input type="radio"/> also 1/2,1/3
<input type="radio"/> also 1/2,1/3,1/4	<input type="radio"/> also 1/2,1/3,1/4

- the user can specify fixed reinforcement and the program then adds additional reinforcement where needed.
- reduced moments may be used at column locations.
- cover, min/max diameter, optimum spacing, max. bar length, etc. may be specified by the user.
- minimum reinforcement area, lap length, etc. are calculated according to the Code.

The slab may be divided into subspaces:

- reinforcement is terminated at subspace boundaries and each subspace can be assigned different detailing parameters.
- subspaces may be created along element boundaries, at beam locations and at changes of slab thickness



- Separate drawings may be created for top and bottom reinforcement
- Bar schedules and mesh schedules are created automatically by the program and may be added to the drawings.
- the program calculates the total reinforcement weight for each storey and the total for all slabs in the model.

