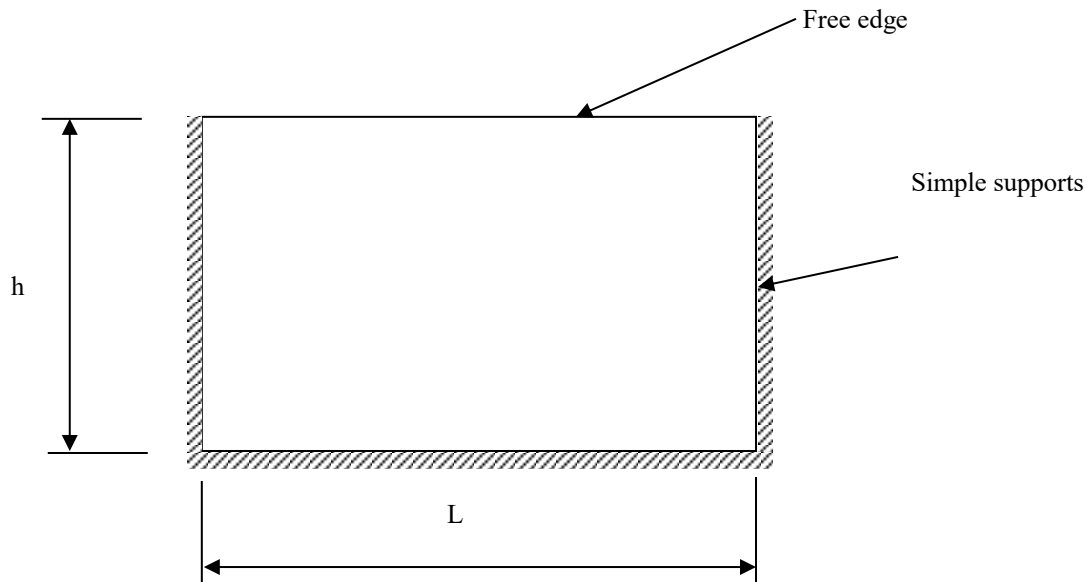


LATERAL DESIGN EXAMPLE L2

LATERALLY LOADED WALL INCORPORATING BED JOINT REINFORCEMENT

The following example calculations are based on the wall panel as shown below:



Height of wall to free edge , h = 3.375 m

Length of wall between restraints, L = 4,500 m

Masonry unit compressive strength = 3,6 N/mm², blocks are Group 1 Category 1

Mortar is designation M6

Masonry unit thickness = 100 mm Masonry unit height = 215 mm

$\gamma_m = 2,7$ Category I masonry units, Normal construction control (Table NA.1)

$\gamma_m = 2,4$ Category I masonry units, Normal construction control (infill panel providing no overall building stability) (Table NA.1) and used in this example.

$\gamma_f = 1,5$