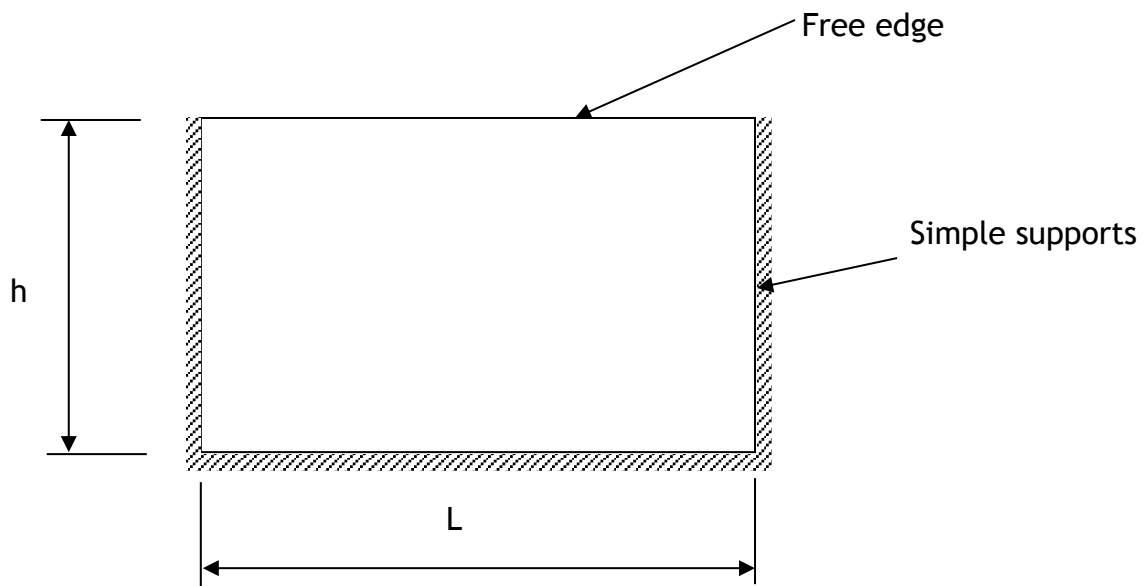


LATERAL DESIGN EXAMPLE L1



Determine the required thickness of a single leaf wall supported as shown above using the following criteria:

Characteristic wind load, Q_k = 0,45 kN/m²

Height of wall to free edge, h = 4,15 m

Length of wall between restraints, L = 4,15 m

Concrete blocks Group 1 (solid) of compressive strength (non-normalised) = 7,3 N/mm²

Class 2 execution control
 $\gamma_M = 2,7$

Category I or II masonry units

Partial load factor
 $\gamma_f = 1,5$

M6 General Purpose mortar is to be used.