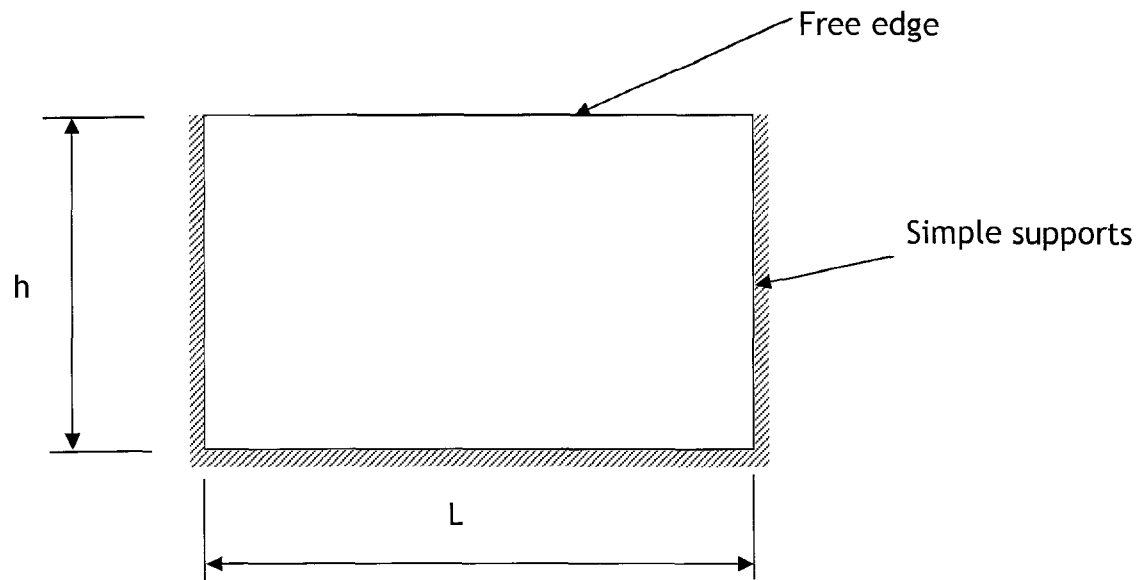


LATERAL DESIGN EXAMPLE L1



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))
Category I or II masonry units)) $\gamma_M = 2,7$

Partial load factor $\gamma_f = 1,5$

M6 or designation ii) General Purpose mortar is to be used.