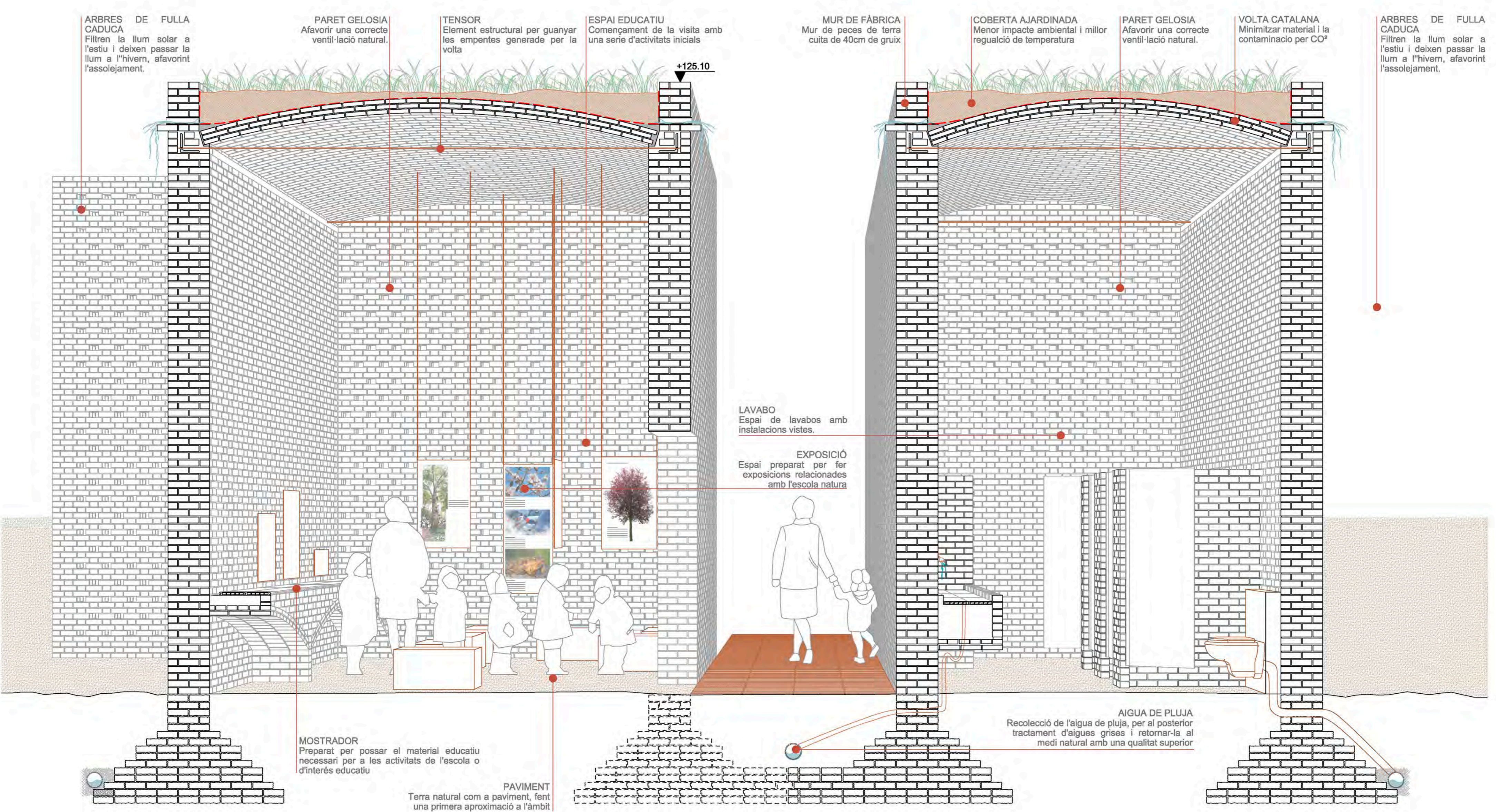
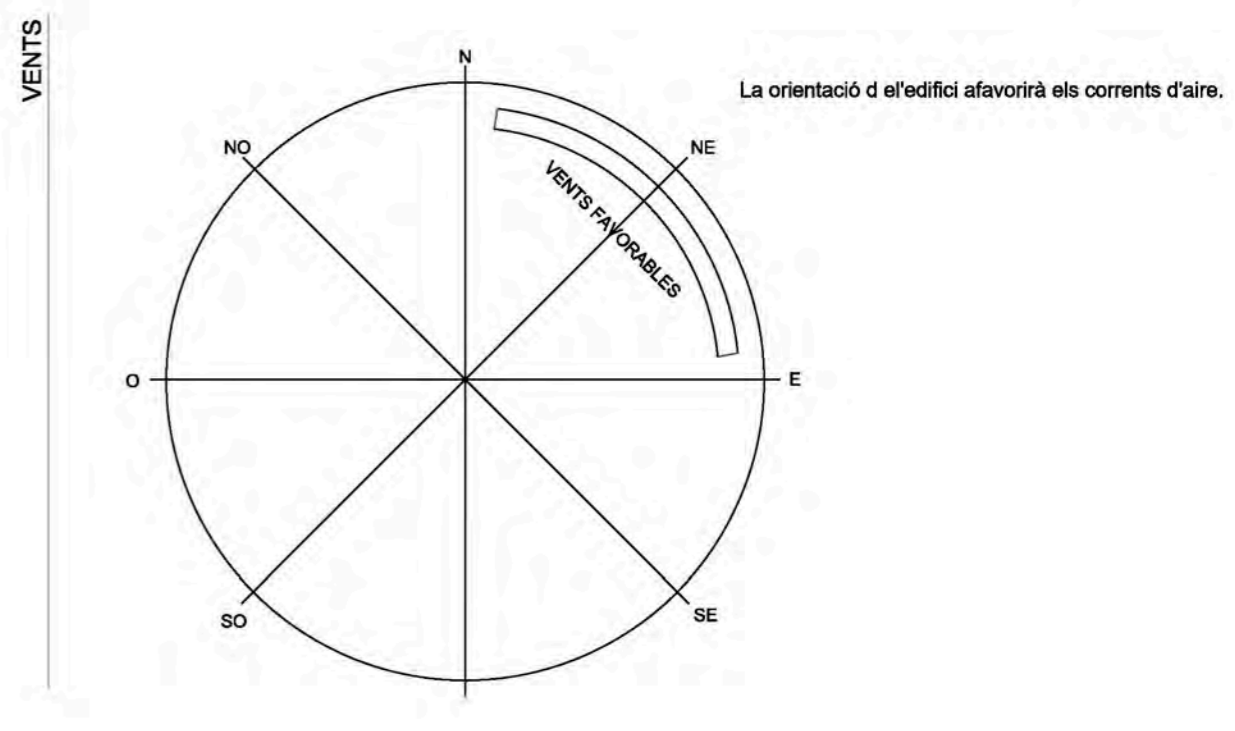
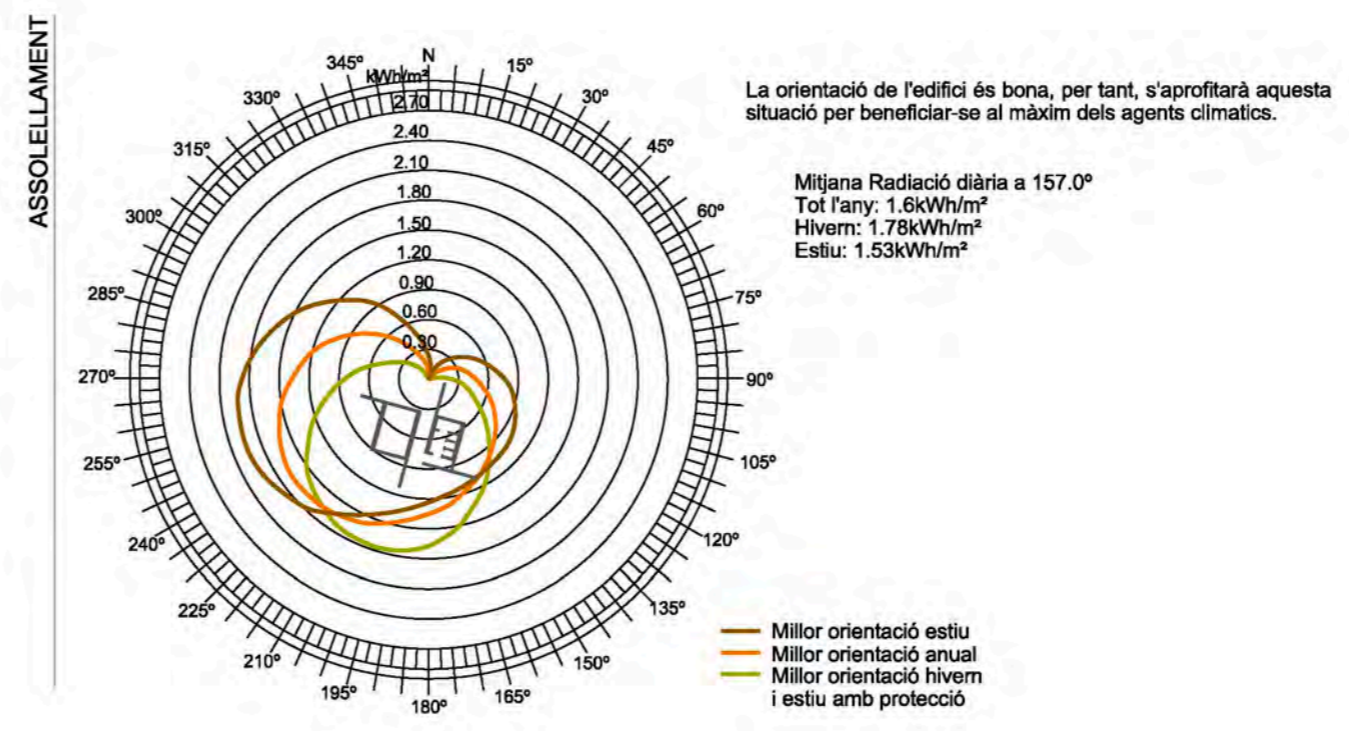
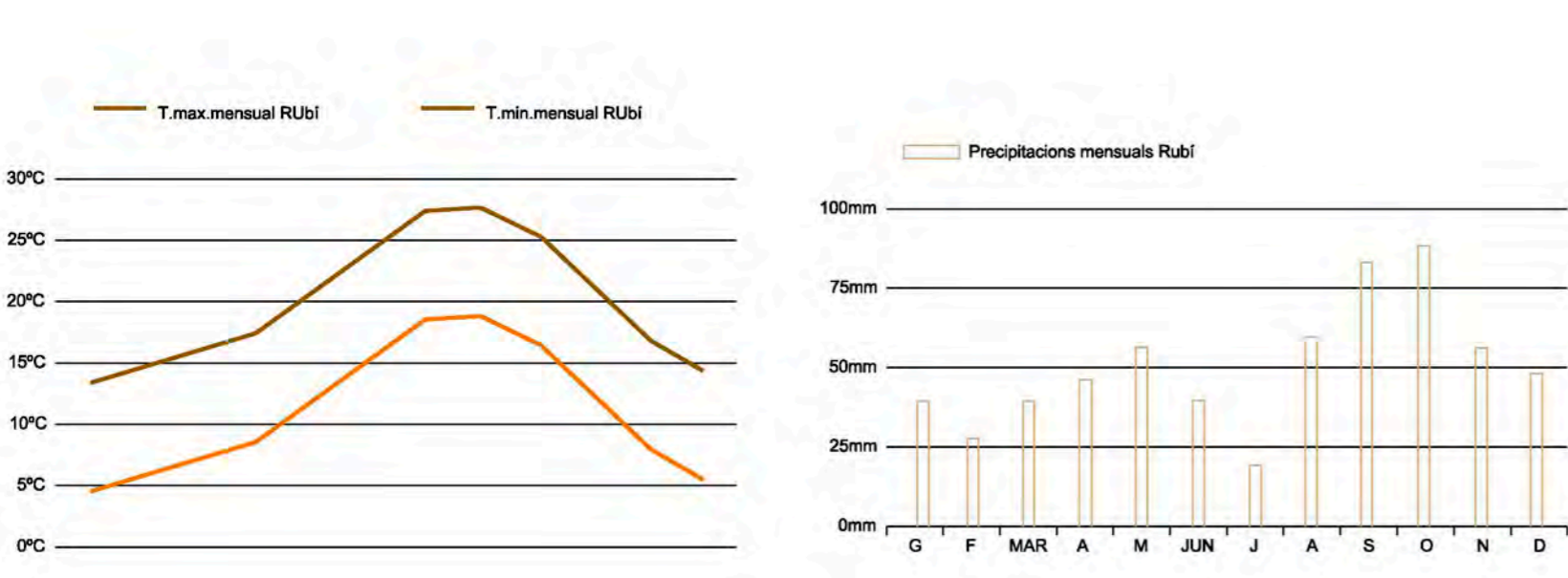
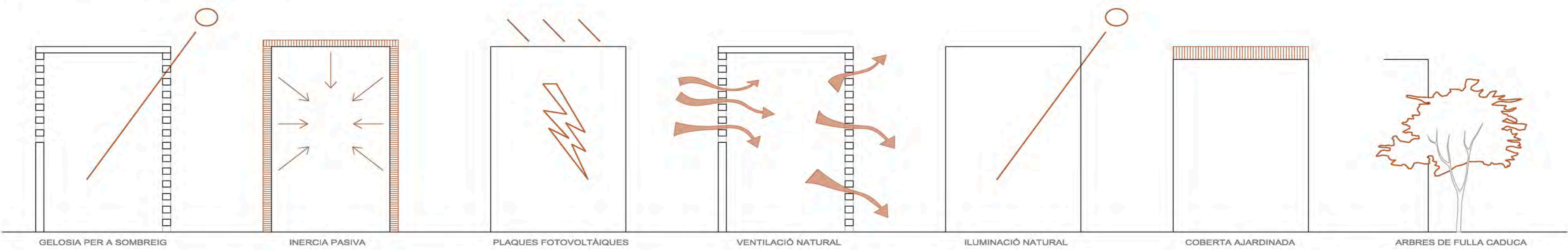
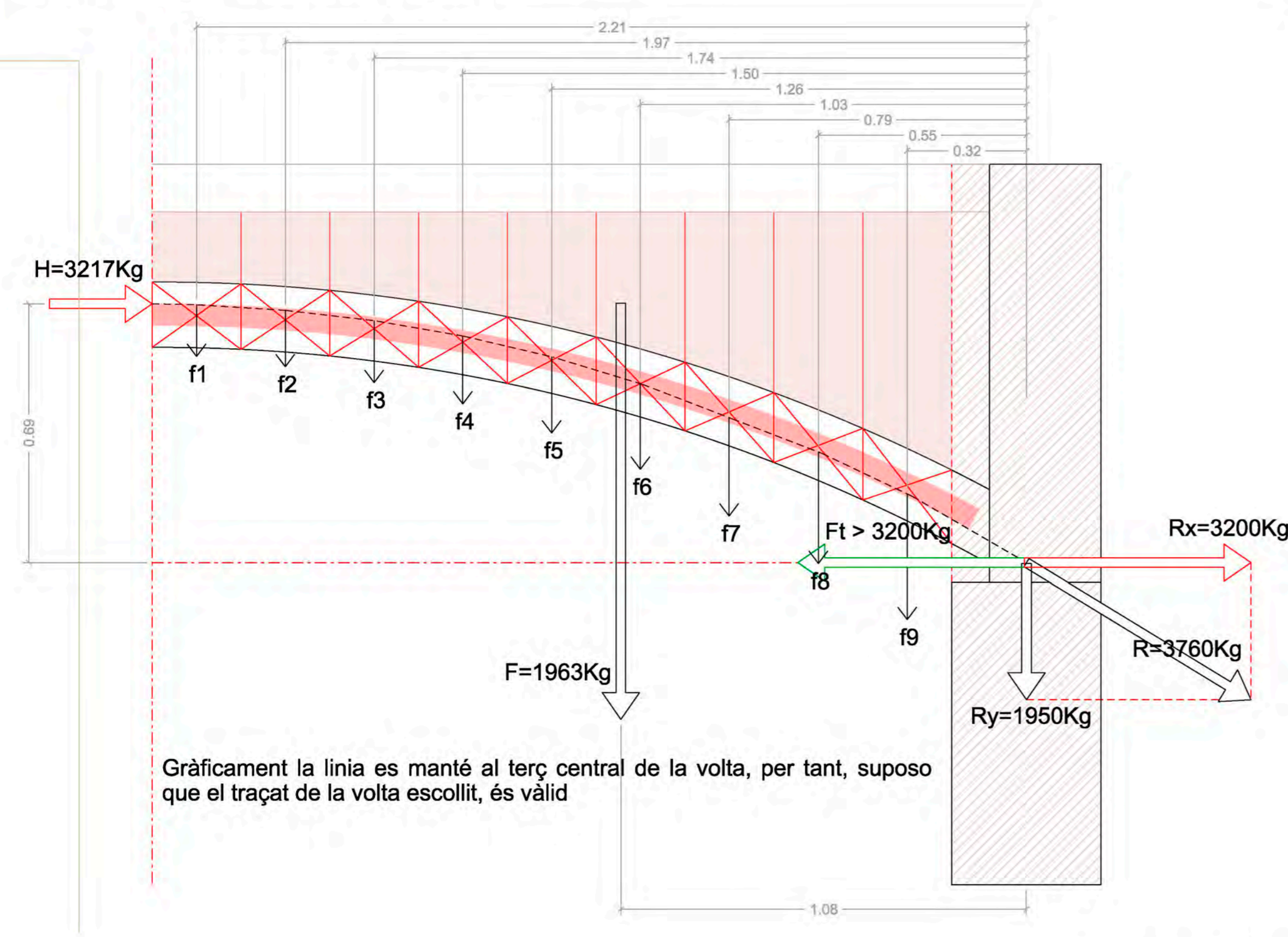


ESTRATÈGIES DE SISTEMES PASIUS



ESTRUCTURA _ CÀLCUL GRÀFIC DE LA VOLTA



Densitat de terra vegetal anegada = 1700Kg/m³
 Densitat de la volta segons GUastavino = 1764Kg/m³

$$\Sigma f \cdot d = F \cdot D$$

$$\Sigma f \cdot d = f_n \cdot d_n + f_n^a \cdot d_n^a + \dots$$

$$F = \Sigma f \rightarrow F = 1963 \text{Kg}$$

$$\Sigma f \cdot d = 2123.80 \text{Kg} \cdot \text{m} \rightarrow 2123.80 = 1963 \cdot D \rightarrow D = 2123.8/1963 = 1.08 \text{m}$$

$$F \cdot D = H \cdot Y \rightarrow 1963 \cdot 1.08 = H \cdot 0.66 \rightarrow H = 3217 \text{Kg}$$

$f_1=138.56 \text{Kg}$
 $f_2=149.60 \text{Kg}$
 $f_3=165.82 \text{Kg}$
 $f_4=181.12 \text{Kg}$
 $f_5=203.28 \text{Kg}$
 $f_6=228.78 \text{Kg}$
 $f_7=262.85 \text{Kg}$
 $f_8=298.61 \text{Kg}$
 $f_9=334.38 \text{Kg}$

$R=3760 \text{Kg}$
 $R_x=3200 \text{Kg}$
 $R_y=1950 \text{Kg}$

CÀLCUL DE LA SECCIÓ DEL TENSOR
 Força del tensor = $F_t \geq 3200 \text{Kg}$
 $A = T / T_{adm} \rightarrow A = 3200 \text{Kg} / 2400 \text{Kg/cm}^2$
 $A = 1.33 \text{cm}^2$

S'utilitzaran barres d'acer corrugat com a tensors, per tant:
 Tensors de Ø16 $\rightarrow A = 2.01 \text{cm}^2$