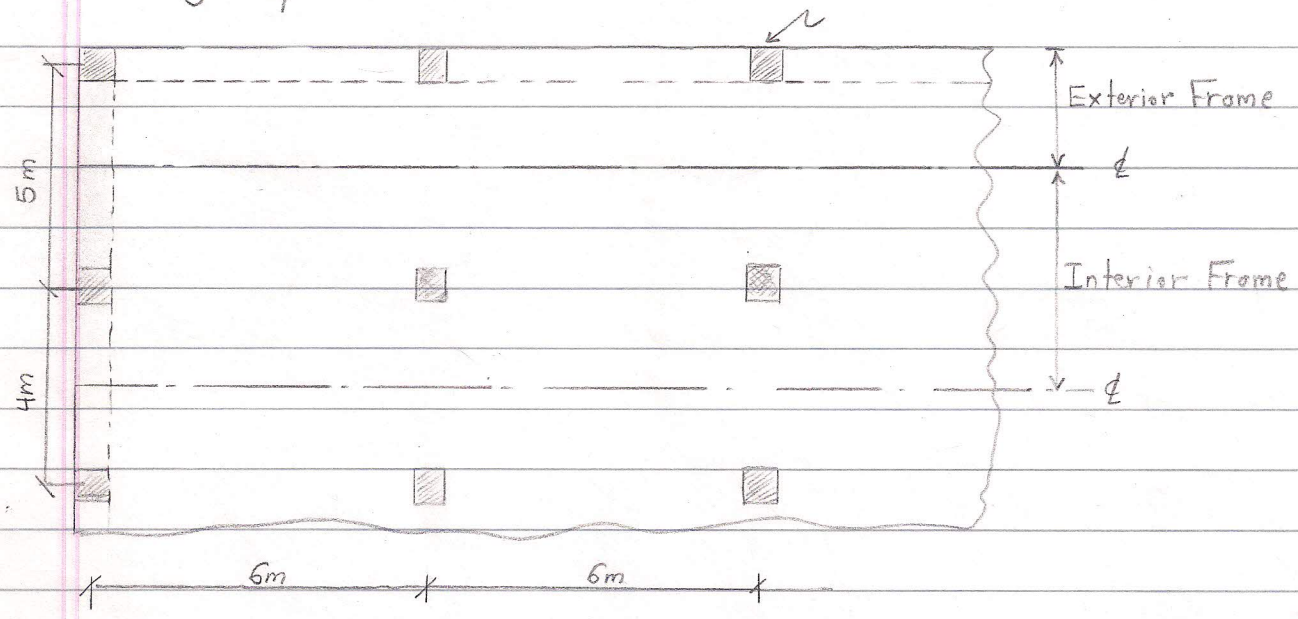


* Very Important Note

All columns 400 x 400 mm



(l_2) Value

parameter	Ext Frame	Int. Frame
M_0	$\frac{5}{2} + \frac{0.4}{2} = 2.7m$	$\frac{5+4}{2} = 4.5m$ / ok
→ Aspect ratio ($\frac{l_2}{l_1}$)	5m	4.5m
$\alpha (I_s)$	2.7	4.5m
$\beta_t (I_s)$	5	4.5m

→
$$M_0 = \frac{W_u \times l_2 \times P_u^2}{8}$$

→
$$\alpha = \frac{E_{cb} \cdot I_b}{E_{cs} \cdot I_s} = \frac{E_{cb} \cdot I_b}{E_{cs} \cdot \frac{l_2^3}{12}}$$

$$\beta_t = \frac{E_c \cdot C}{2 I_s}$$

