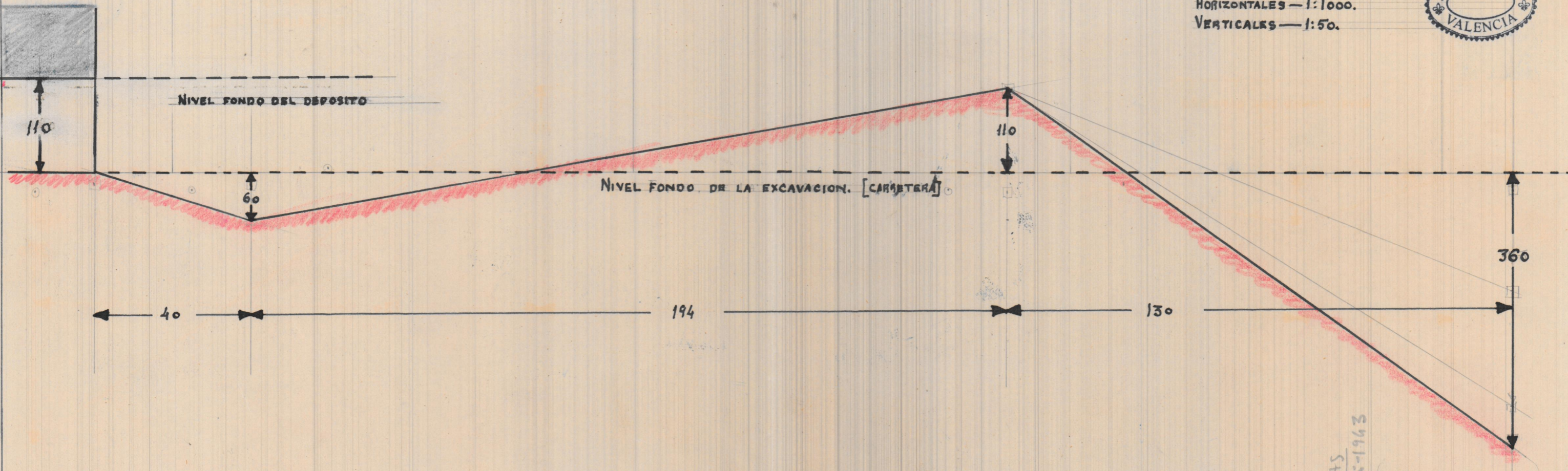




HORIZONTALES — 1:1000.  
VERTICALES — 1:50.



ALCIBLAS  
17-05-1963  
470  
110  
350



1cm=200k.

$$P_1 = 1'00 \times 0'40 \times 1'24 \times 2.250 = 1.116 \text{ K.u.l.}$$

$$P_2 = 1'00 \times 0'80 \times 1'24 \times 2.250 = 2.232 \text{ u.u.l.}$$

$$P_{1-2} = 3.348 \text{ K.u.l.}$$

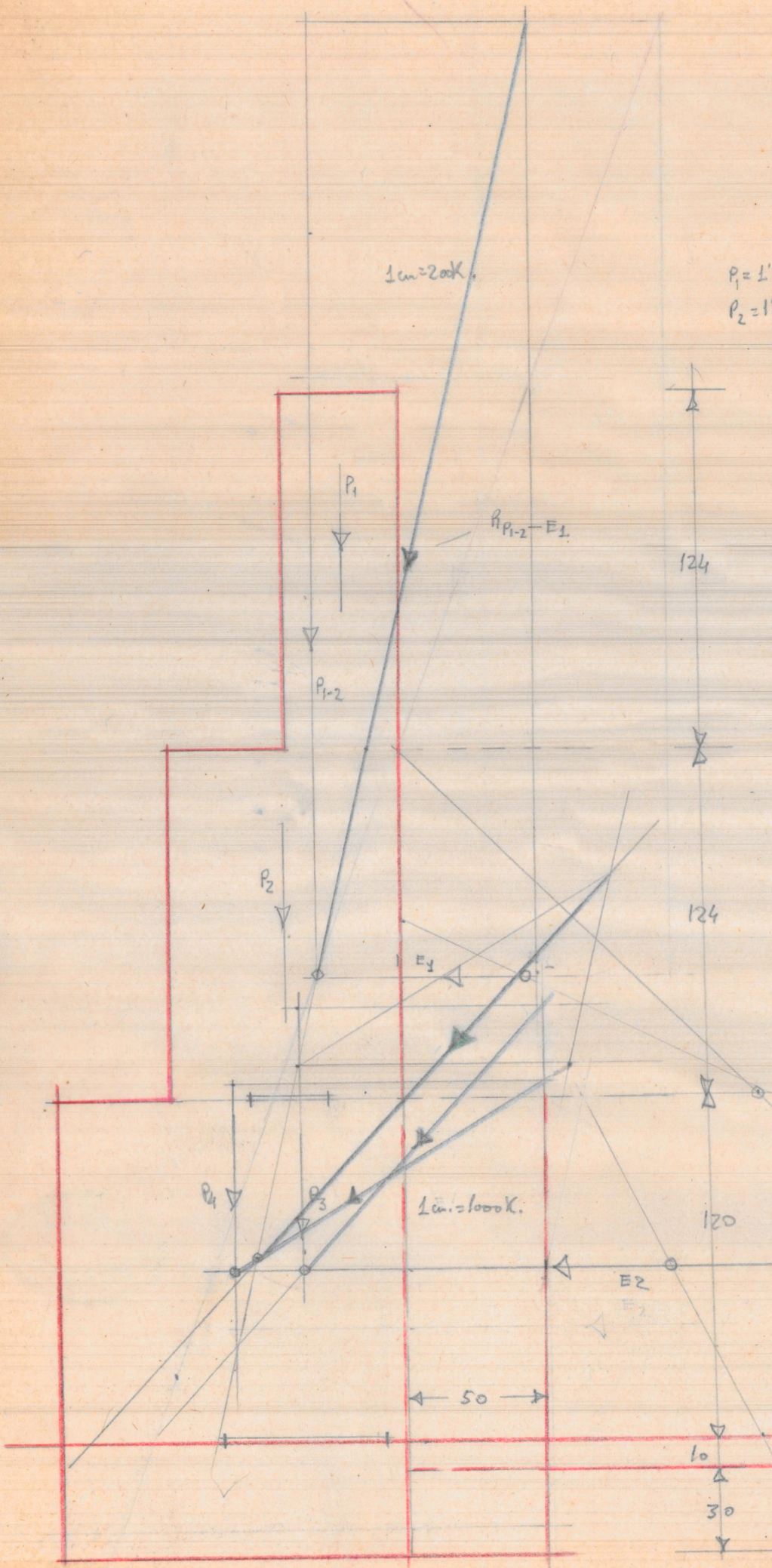
$$E_1 = \frac{1}{2} 1'24 \times 1'24 \times 1'00 \times 1000 = 769 \text{ K.}$$

$$R_{P_{1-2}} - E_1 = 171 \times 20 = 3420 \text{ Kg.u.l.}$$

$$P_3 = 1'20 \times 1'00 \times 1'70 \times 2250 = 4590 \text{ K.u.l.}$$

$$E_2 = \frac{1240 + 2480}{2} 1'20 \times 1000 = 4232 \text{ K.u.l.}$$

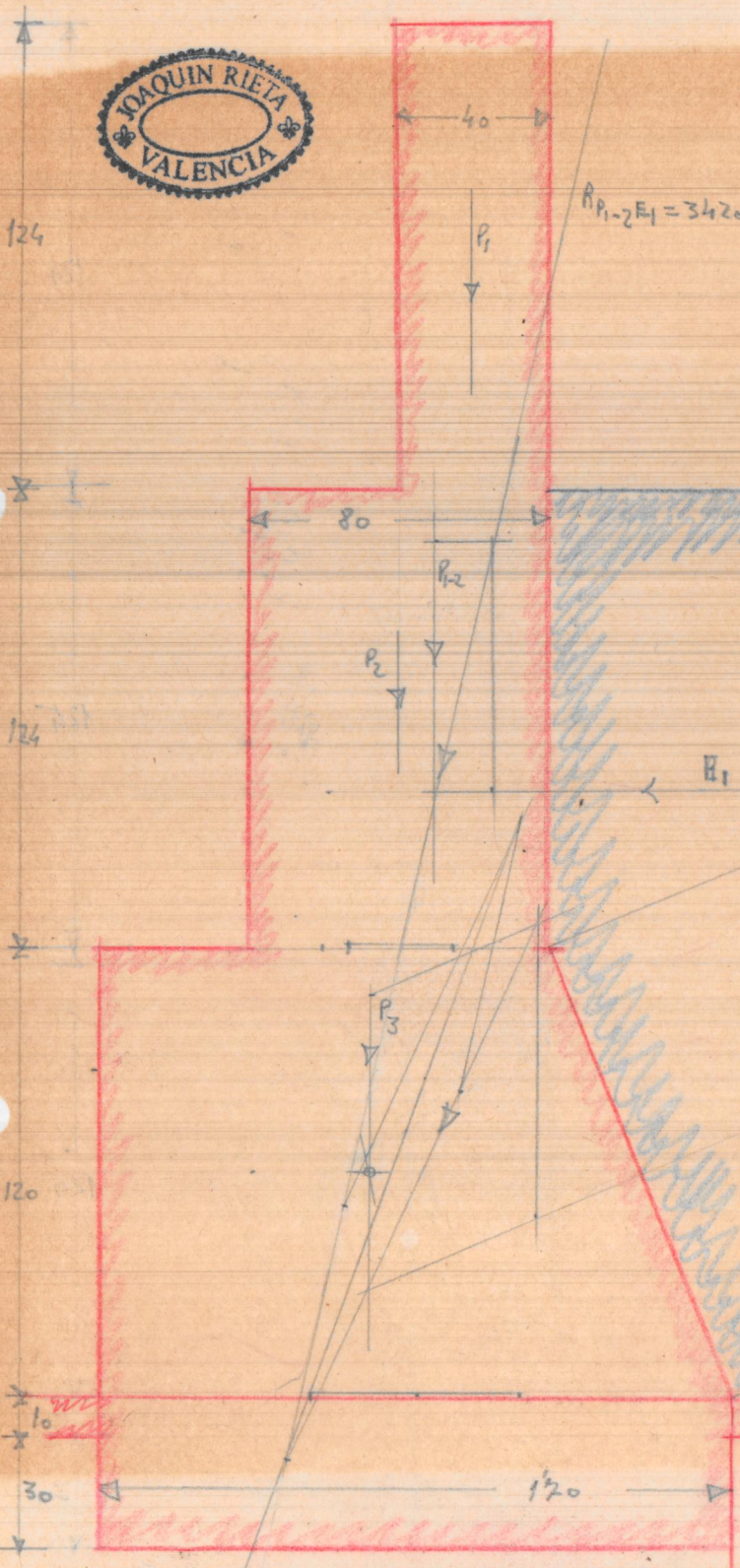
$$P_4 = 1'20 \times 1'00 \times 1'20 \times 2250 = 3240 \text{ K.u.l.}$$







LONGITUDES - 1:50  
 Fuerzas - 1 cm = 1000 kg



$$R_{P_1-2} E_1 = 3420 \text{ K.m.l.}$$

$$\begin{aligned} P_1 &= 1116 \text{ K} \\ P_2 &= 2232 \\ \hline P_{1-2} &= 3348 \end{aligned}$$

$$P_3 = \frac{120 + 120}{2} \times 120 \times 100 \times 2250 = 145 \times 120 \times 2250 = 3915 \text{ K.m.l.}$$

$$\begin{aligned} \Delta E_2 &= 130 \times \frac{1260 + 2480}{2} \times 100 = \\ &= 130 \times 1860 = 2418 \text{ K.m.l.} \end{aligned}$$