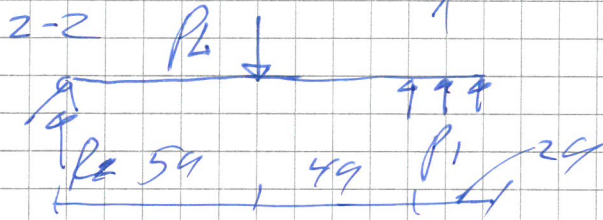
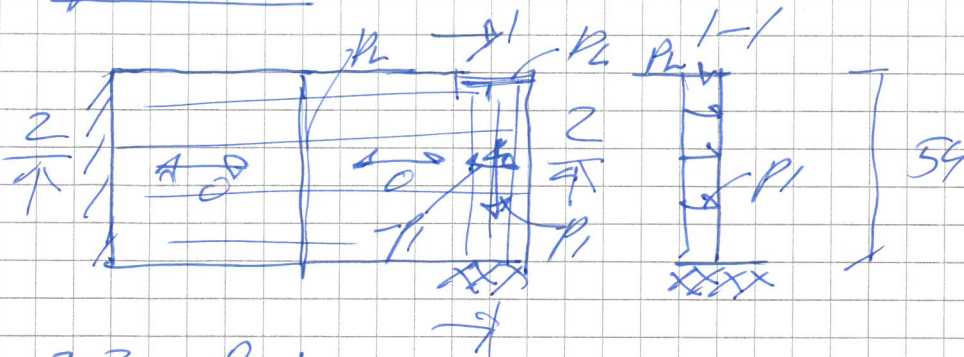


spm 1



Snitt 2-2

Moment om venstre charmer = $M_L = 0$

$$M_L = -P_L \cdot 54 + P_1 \cdot 29 \cdot 109 = 0 \Rightarrow$$

$$P_1 = P_L / 49$$

$$R = P_L - 2P_1 \cdot 9 = \frac{1}{2} P_L$$

M_{max} er ved linje lasten

$$= R \cdot 54 = \frac{5}{2} P_L \cdot a \leq M_{ux} = m_u$$

$$P_L^{(-)} = \frac{2}{5} \frac{m_u}{a}$$

Snitt 1-1

M_{max} er ved midtpunktet av a

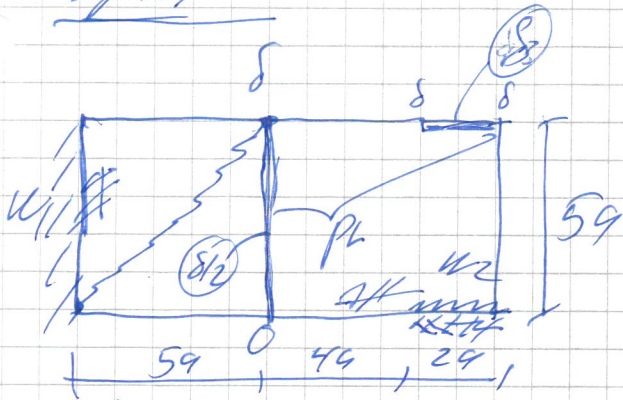
$$M_{max} = -P_L \cdot 54 - P_1 \cdot 54 \cdot 569 = -\frac{65}{8} P_L a$$

$$|M_{max}| = \frac{65}{8} P_L a \leq M_{uy} = 3,25 m_u \Rightarrow$$

$$P_L^{(-)} = \frac{2}{5} \frac{m_u}{a}$$

$$\Rightarrow \underline{P_L^{(-)} = \frac{2}{5} \frac{m_u}{a}}$$

SpM 2



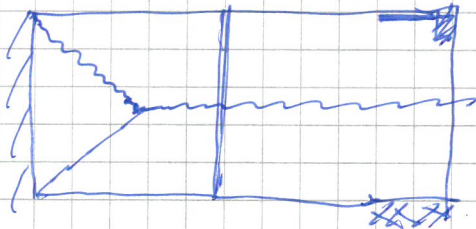
$$w_1 = w_2 = f/59$$

$$A_d = p_L \cdot 50 \cdot 8/2 + p_L \cdot 29 \cdot 5 = \underline{\underline{\frac{9}{2} p_L \cdot 5 \cdot d}}$$

$$A_j = m_c \cdot 59 \cdot w_1 + 3,25 m_c \cdot (59 + 29) \cdot w_2 = \underline{\underline{5,55 m_c \cdot f}}$$

$$A_i = A_y \quad (3) \quad p_2^{(f)} = \underline{\underline{0.8108 \text{ MPa}}}$$

Spm 3



How or manage
and the multiple