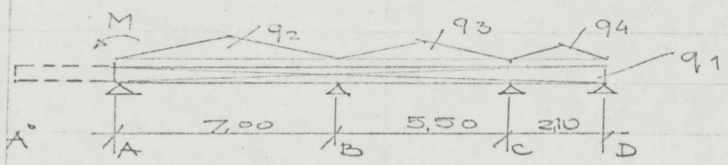
803-157

Balk in as E 1° Verdieping



$M_{AA°} = 16300 Kgm$ zie berekening pag. 6; M_B

Belasting.

e.g balk $(0,81 \times 0,40 + 0,10 \times 0,14) \times 2400 = 790 Kg/m'$

pui + afw + nb. + metselwerk $= 410 Kg/m'$

$q_1 = 1200 Kg/m'$

$q_2 = 870 \times 7,00 \times 0,5 = 3050 Kg$

$q_3 = 870 \times 5,50 \times 0,5 = 2400 Kg$

$q_4 = 870 \times 2,10 \times 0,5 = 900 Kg$

Verdelingscoefficienten.

$K_{BA} : K_{BC} = \frac{4}{7,00} : \frac{4}{5,50} = 44\% : 56\%$

$K_{CB} : K_{CD} = \frac{4}{5,50} : \frac{3}{2,10} = 33\% : 67\%$

Primaire momenten

$M_{AA°} = -16300 Kgm$

$M_{AB} = \frac{1200 \times 7,0^2}{12} + \frac{5}{96} \times 3050 \times 7,0^2 = +12700 Kgm$

$M_{BA} = -12700 Kgm$

$M_{BC} = \frac{1200 \times 5,5^2}{12} + \frac{5}{96} \times 2400 \times 5,5^2 = +6800 Kgm$

$M_{CB} = -6800 Kgm$

$M_{CD} = + \frac{1200 \times 2,10^2}{8} + \frac{5}{64} \times 900 \times 2,10^2 = +970 Kgm$