

Stramipunt E 42<sup>e</sup> verdieping

## Kolomommanteling

$$0,56 \times 0,40 \times 2 \times 2,85 \times 2400 = 3000 \text{ Kg}$$

$$\text{erker; } [(1,08 \times 2,16 \times \frac{1}{2}) \times 2 + 1,08 \times 1,08 \times \frac{1}{2}] \times 220 = 635 \text{ Kg}$$

2<sup>e</sup> verdieping:

## Kolomommanteling

$$(0,46 \times 0,60 + 0,60 \times 0,24) \times (3,20 - 0,18) \times 2400 = 2952 \text{ Kg}$$

## Liggerommanteling

$$0,70 \times 0,50 \times (9,22 - 0,28) \times 0,5 \times 2400 = 3960 \text{ Kg}$$

$$\text{erker; } [(1,08 \times 2,16 \times \frac{1}{2}) \times 2 + 1,08 \times 1,08 \times \frac{1}{2}] \times 870 = 2514 \text{ Kg}$$

$$\text{erker metalwerk; } 2,05 \times 3,19 \times 6 \times 210 = 8277 \text{ Kg}$$

1<sup>e</sup> verdieping

## Kolomommanteling

$$0,60 \times 0,78 \times (4,30 - 0,18) \times 2400 = 4643 \text{ Kg}$$

## Liggerommanteling

$$0,75 \times 0,50 \times (9,22 - 0,30) \times 0,5 \times 2400 = 3744 \text{ Kg}$$

## Balken in as E

$$(0,63 \times 0,46 + 0,14 \times 0,10) \times [3,50 + (3,02 + 2,52)] \times 0,5 - 0,60] \times 2400 = 4080 \text{ Kg}$$

## Metschwerk

$$0,75 \times [3,50 + (3,02 + 2,52)] \times 0,5 \times 210 = 987 \text{ Kg}$$

Belasting vermindering volgens de TGB

40% n.b 1<sup>e</sup> verdieping: zie berekening Ligger 17A

$$\text{reactie A: } q_1 = \frac{12,5}{2} \times 870 \times 0,806 = 4390 \text{ Kg/m'}$$

$$\frac{690}{870} = 0,806 ; q_2 = 6320 \text{ Kg/m'}$$

$$R_A = 4,55 \times 4390 + 5650 = 25500 \text{ Kg}$$

$$\text{Kolom. K 8} = 38323 \text{ Kg}$$

$$\text{e.g. Kolom} = 250 \text{ Kg}$$

$$\text{Belasting op begane grond} = 98865 \text{ Kg}$$