Ing. VITO GIORGIO COLAIANNI

Consorzio Ravennate
delle Coop. di Produzione e Lavoro

(1)

CEP. BRINDISI

Lotto n° 9

Edificio n° 4.

Piattabanda Copertura.

maffetta: 0,50 x 2500 x 0,15 = 187 kg/m

muro: 1.20 x 0,43 x 1800 = 928

Ripigliato 100

1215 kg/m.

luce m. 4.80

$M = \frac{1}{8} p l^2 = \frac{1215 \times 4.80^2}{8} = 348.705$ kgcm.

b = 50 h = 32 M/b = 6974 84

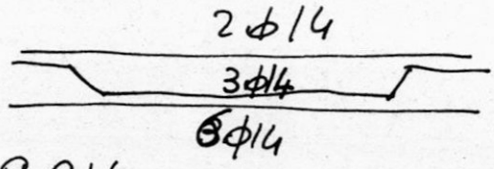
H = 35 h' = 32 α = 32/84 = 0.380.

σe = 55 F'f = 0,25 Ff σf = 1400

0,00218 x 50 x 84 = 9.15 cm²

Ff = 0,25 x 9.15 = 2.28 cm²

Sezione 35 x 50



Taglio: $1215 \times \frac{4.80}{2} = 2916$

X = 0,92bh = 1472 τ = 1.98 kg/cm² < 4.

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luce m: 3.20 l² = 10.24 l²/8 = 1.28

M = 155.520 b = 50 M/b = 3110 δ = 56

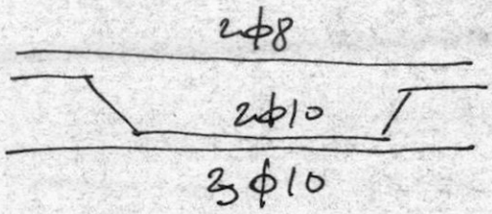
H = 35 h' = 32 α = 32/56 = 0,5.71

A.S. σf = 1400 σe = 34.

Ff = 0,00134 x 50 x 56 = 3.75 cmq.

Sezione 35 x 50

5ϕ10 = 3.93 cmq.



luce m. 2.80 come luce 3.20.

luce m. 2.70 e luce m. 2.50

$l = 2.70$ $l^2 = 7.29$ $l^2/8 = 0.91$

$M = 1215 \times 91 = 110565$ kg cm.

$b = 50$ $m/b = 110565/50 = 2210$ $\sqrt{\ } = 47$

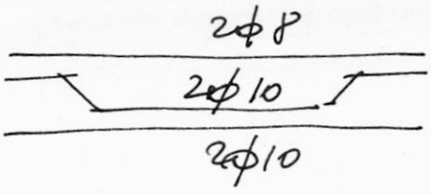
$h = 32$ $H = 35$ $\alpha = \frac{32}{47} = 0.680$ A.S.

$\sigma f = 1400$

$\sigma c = 28$ $Ff = 0{,}00112 \times 47 \times 50 = 2.63$

Sezione 35 x 50

4ϕ10 = 3.14.



luce m. 2.20 e luce m 2.10.

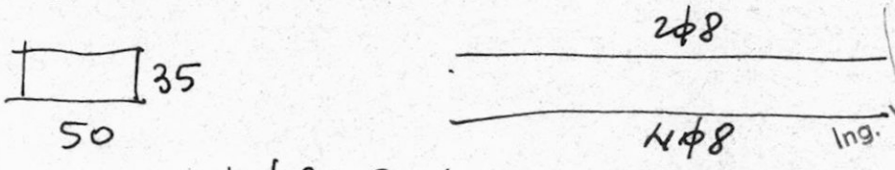
$l^2 = 4.84$ $l^2/8 = 0{,}605$

$M = 1215 \times 60{,}5 = 73507$

$b = 50$ $m/b = 1470$ $\sqrt{\ }$ 39 $H = 35$ $h = 32$

$32/39 = 0{,}820$ $\sigma c < 25$ $\sigma f = 1400$

$Ff = 0{,}00101 \times 39 \times 50 = 1.96$.



4ϕ8 = 2.01.

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Per tutti staffe ϕ6 chiuse ogni 10/15/20 cm.