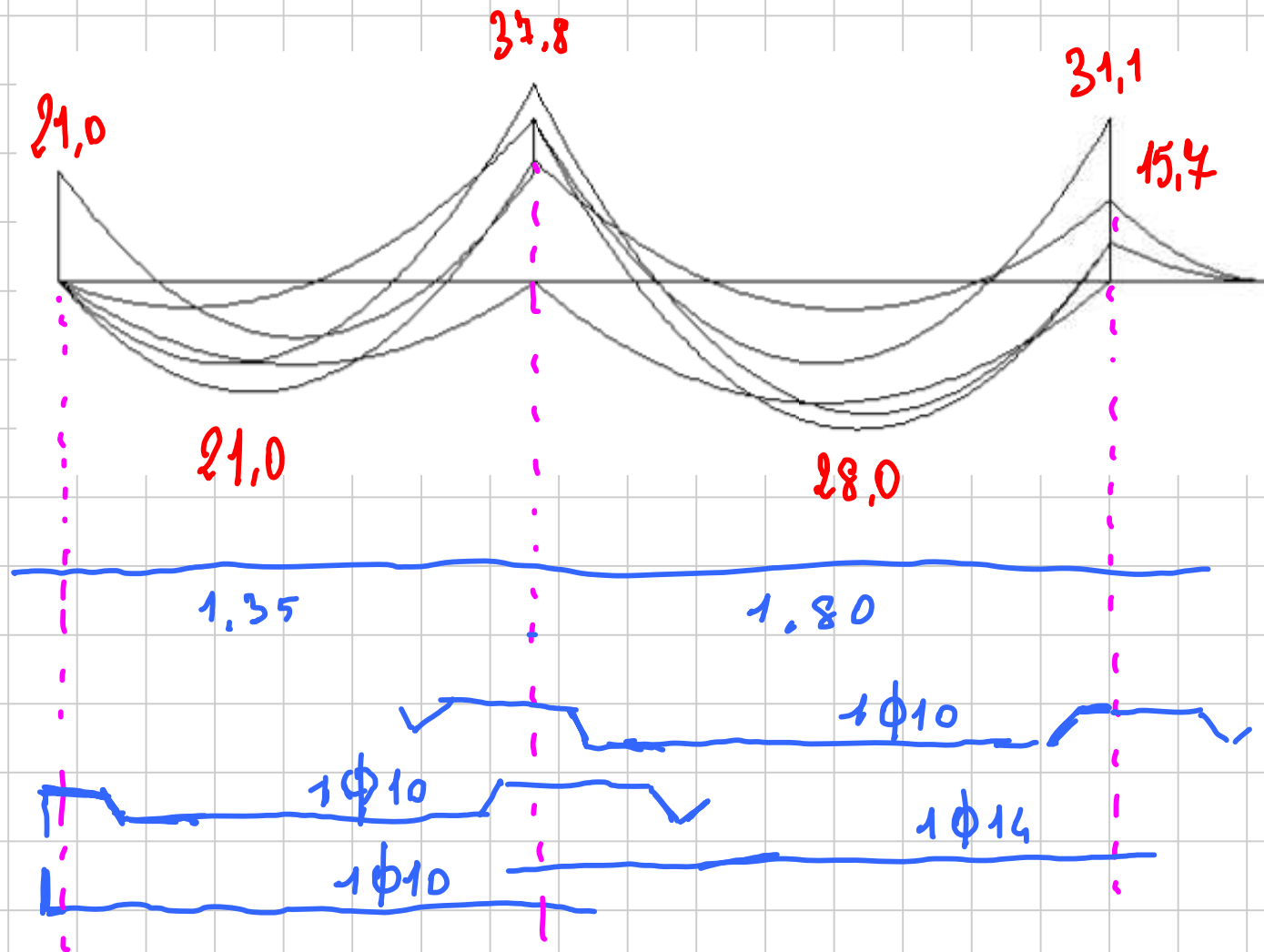


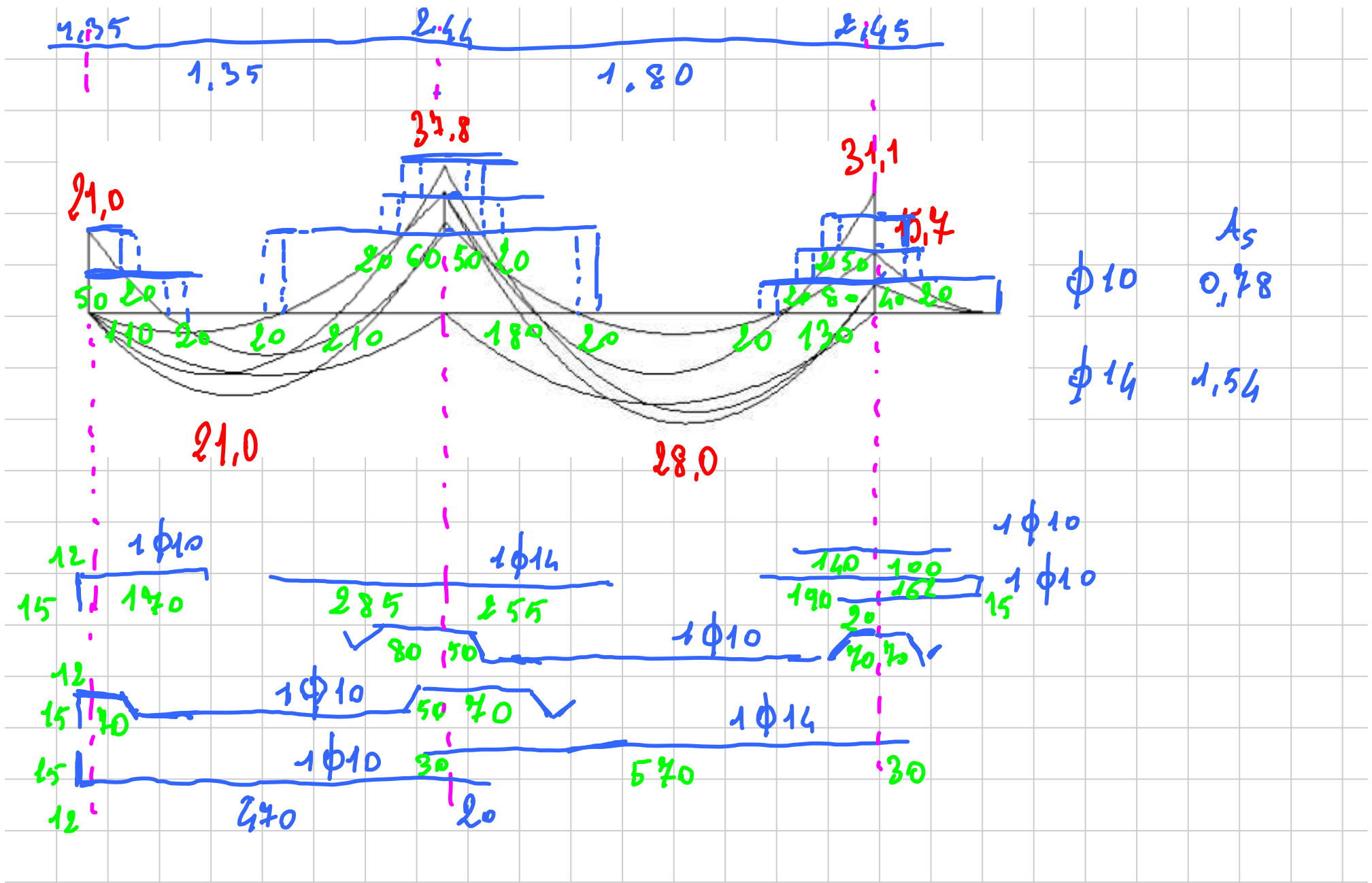
# PROGETTO ARMATURE DEL SOLAIO (BARRE SAGOMATE)

Titolo nota

21/04/2015



	$A_s$
φ10	0,78
φ14	1,54



Complete

$M_{Ed}$

$d$

$A_s (1m)$

$A_s (transf.)$

1

21,0

0,22

2,71

$$2,71 / 2 = 1,35 \text{ cm}^2$$

2

28,0

0,22

3,61

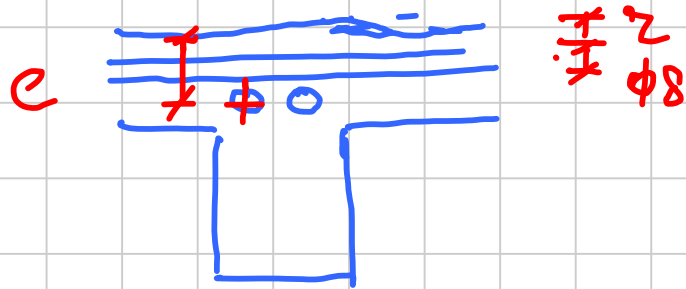
$$3,61 / 2 = 1,80 \text{ cm}^2$$

$A_{h_{ggr}}$	$M_{Ed}$	$d$	$A_s (l m)$	$A_s (a trecento)$
1	21,0	0,22	2,71	1,35 cm <sup>2</sup>
2	37,8	0,22	4,88	2,44 cm <sup>2</sup>
3	31,1	0,18	4,90	2,45 cm <sup>2</sup>

Momenti resistenti: solario

$$M_{Rd} (1\phi 10) = 2 \times 0,9 \times d \times A_s \times f_{yd} = 2 \times 0,9 \times 0,22 \times 0,78 \times \frac{391,3}{10} = 12 \text{ kNm}$$

$$M_{Rd} (1\phi 14) = 2 \times 0,9 \times 0,22 \times 1,54 \times \frac{391,3}{10} = 25 \text{ kNm}$$



$$c = e + \phi_8 + \frac{\phi_e}{2} = 2.5 + 0.8 + \frac{10}{2} = \cancel{3.8 \text{ cm}}^{2.0 \text{ cm}}$$

Moment constant shalo

$$M_{Rd} (1\phi 10) = 2 \times 0,9 \times 0,18 \times 0,78 \times \frac{391,3}{10} \approx 10 \text{ kNm}$$

$$M_{Rd} (1\phi 14) = 2 \times 0,9 \times 0,18 \times 1,54 \times \frac{391,3}{10} \approx 20 \text{ kNm}$$