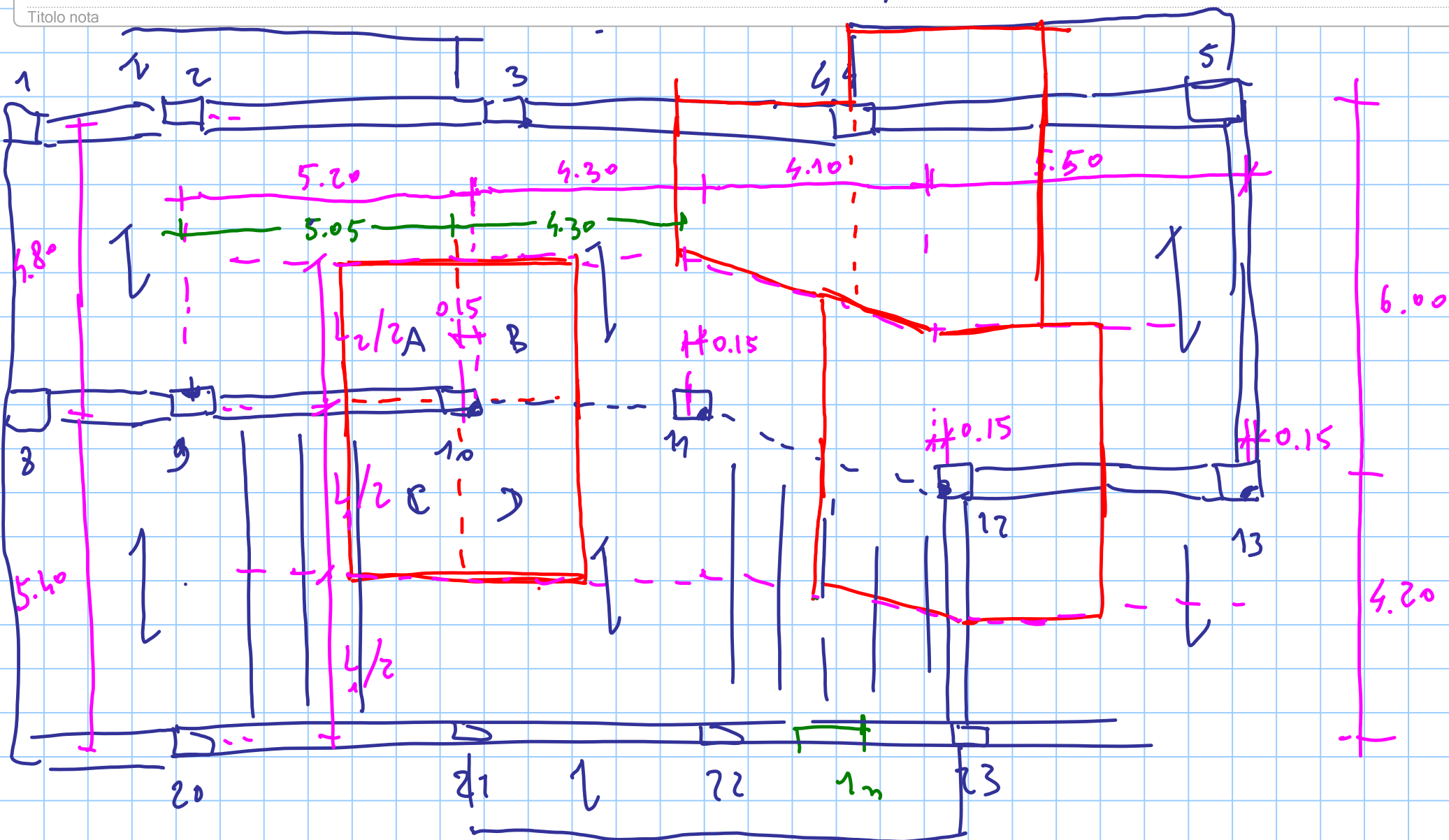


CARICHI SUI PILASTRI

Titolo nota

16/11/2016



pilastri 10

solaio	A	$1.1 \frac{4.80}{2} \times 1 \frac{5.05}{2} = 6.67 \text{ m}^2$	} 27.42 m ²
	B	$1.2 \frac{4.80}{2} \times 1 \frac{4.30}{2} = 6.19 \text{ m}^2$	
	C	$1.2 \frac{5.40}{2} \times 1 \frac{5.05}{2} = 8.18 \text{ m}^2$	
	D	$1.1 \frac{5.40}{2} \times 1 \frac{4.30}{2} = 6.33 \text{ m}^2$	

balcone

scala

temperatura

Travi emise $1 \cdot \frac{5.05}{2} = 2.53$

Travi a spina $1 \cdot \frac{4.30}{2} = 2.15$

$g_A + g_A$

$286.3 = 27.42 \times 10.44$
m² KN/m²

$g_A + g_A$ solaio

—

—

—

$12.0 = 2.53 \times 4.73$
m KN/m

$g_A + g_A$ T.R.E.

$\frac{6.1}{304.4}$

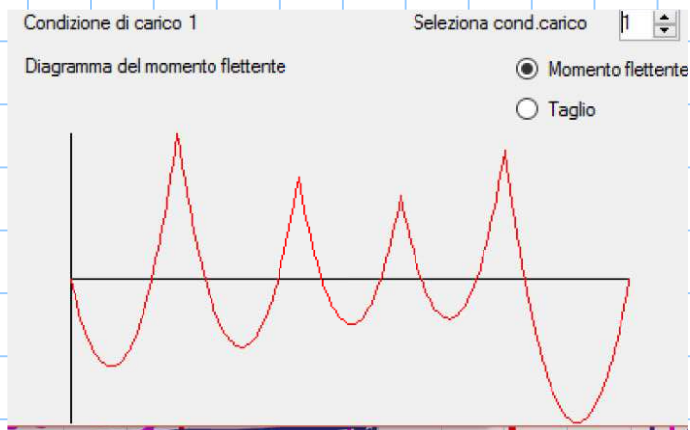


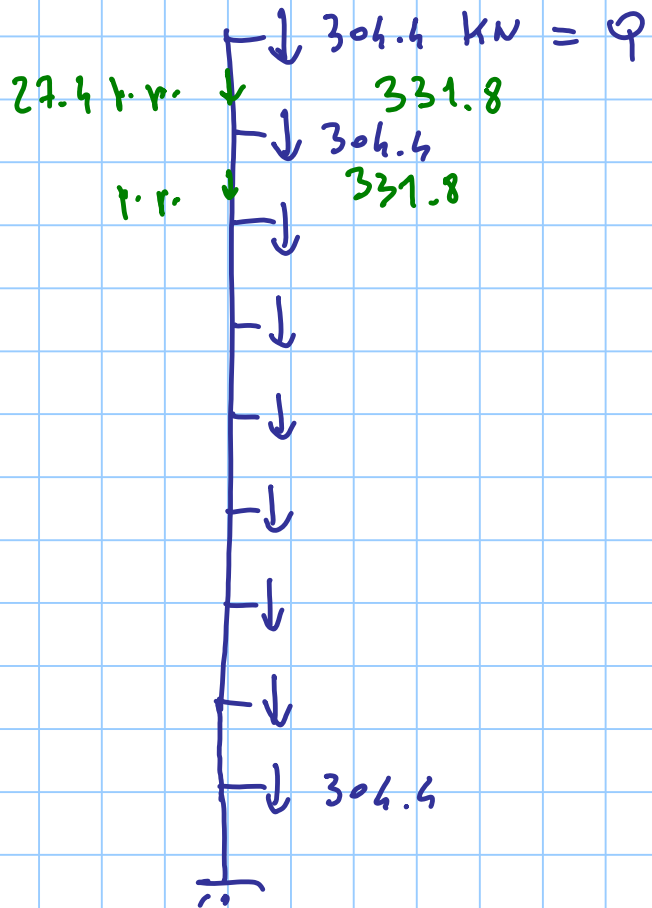
diagramma del momento
trave 8 ... 13

solai

(cont. più rap: A)

$$1.15 \frac{4.80 + 5.40}{2} \times 1 \frac{5.05 + 4.30}{2} = 27.42$$

pilastre 10



peso proprio del pilastro

la mesure change avec l'altitude

per soli pochi vertici

pres-metris $\approx \varphi \times \frac{\eta_{\text{pizci}}}{100}$

$$E_2 = 9 \text{ piri} \times 0.09$$

$$304.4 \times 0.09 = 27.4 \text{ kN}$$

$$\tau_{07} = 304.4 + 27.4 = 331.8 \text{ kN}$$

$$[304.4 \times 1.09]$$

ordine	$N_{EA} (SLU) [KN]$	$A_{c,wc} [cm^2]$	$A_{s,wc} [cm^2]$
--------	---------------------	-------------------	-------------------

9	331.8	234.2	1.70
---	-------	-------	------

8	663.6	(x2)	
---	-------	------	--

7	995.4	(x3)	
---	-------	------	--

6	1327.2		
---	--------	--	--

5	1659.0		
---	--------	--	--

4	1990.8		
---	--------	--	--

3	2322.6		
---	--------	--	--

2	2654.4		
---	--------	--	--

1	2986.2	(x5)	
---	--------	------	--

	2107.8		
--	--------	--	--

	15.30		
--	-------	--	--

9	234.2	1.70
8	468.4	3.40
7	702.6	5.10
6	936.8	6.80
5	1171.0	8.50
4	1405.2	10.20
3	1639.4	11.90
2	1873.6	13.60
1	2107.8	15.30

formule în proiect.

$$A_c \geq \frac{N_{Ed}}{f_{cd}}$$

$$\frac{331.8 \times 10^3 \times 10^{-2}}{14.17} = 234.2 \text{ cm}^2$$

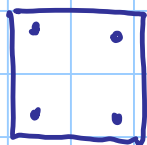
$$A_{s,0.1} \geq \frac{0.2 N_{Ed}}{f_{yd}}$$

$$\frac{0.2 \times 331.8 \times 10}{391.3} = 1.70 \text{ cm}^2$$

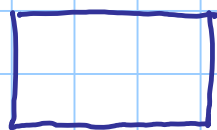
CLS C25/30 $f_{cd} = 14.17 \text{ MPa}$

Acc B450C $f_{yd} = 391.3 \text{ MPa}$

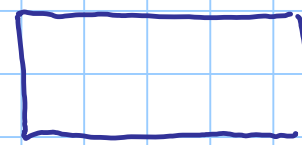
molt	n.pia	Ac	As	b	h nec	n fi 14	h	n fi 14
1	9	234.2	1.70	30	7.8	1.1	30	4
2	8	468.4	3.40	30	15.6	2.2	30	4
3	7	702.6	5.10	30	23.4	3.3	30	4
4	6	936.8	6.80	30	31.2	4.4	40	6
5	5	1171.0	8.50	30	39.0	5.5	40	6
6	4	1405.2	10.20	30	46.8	6.6	50	8
7	3	1639.4	11.90	30	54.6	7.7	60	8
8	2	1873.6	13.60	30	62.5	8.8	70	10
9	1	2107.8	15.30	30	70.3	9.9	70	10



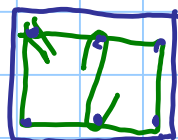
30x30
4 phi 14



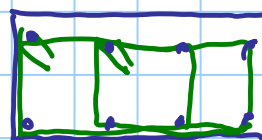
30x50
6-8 phi 14
↑



30x70
10 phi 14
opp. 4 phi 20 + 4 phi 14



30x40



30x60
8 phi 14

TAVOLA

1 - ARCHITETTONICO

1:50

2 - CARPENTERIA

1:50

3 - PILASTRI

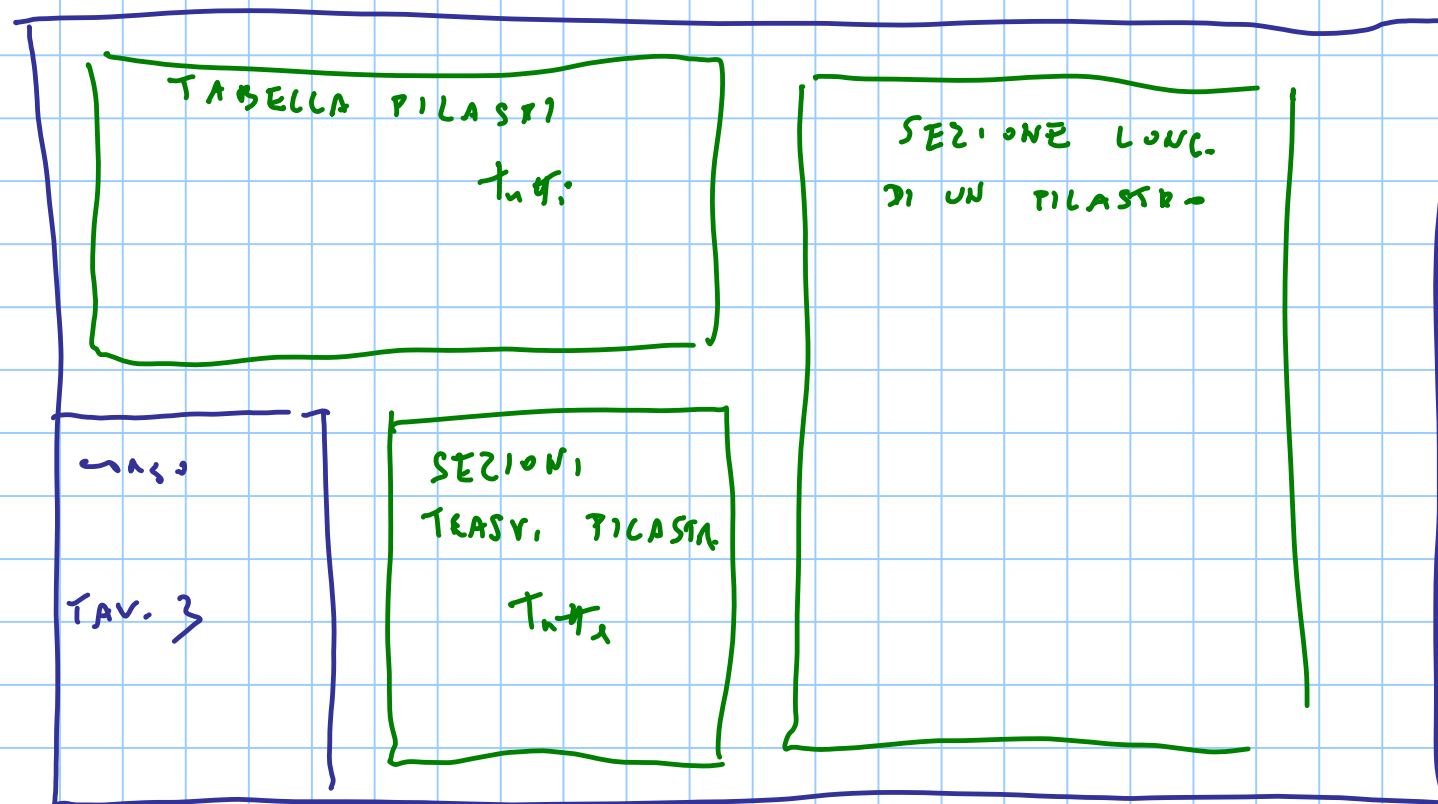
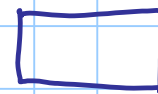


Tabelle p: lenk

$\begin{smallmatrix} \text{p:} \\ \text{lenk} \end{smallmatrix}$	1	2	3	1 =
9				3 x 3 =
8				
7				
6				
5				
4				
3				
2				
1				3 x 3 =

in computer

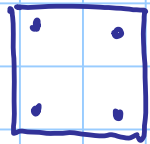


70 x 30

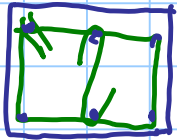


30 x 70

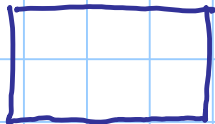
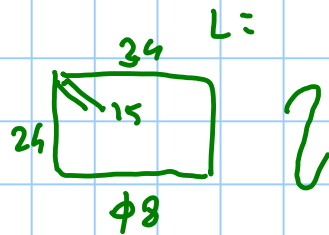
stationi pilastre



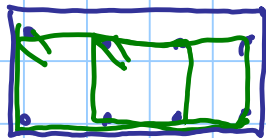
30x30
4 ϕ 16



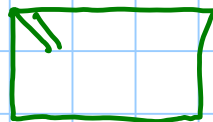
30x40



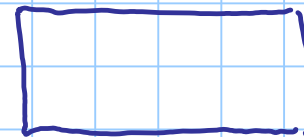
30x50
6-8 ϕ 16
↑



30x60
8 ϕ 16



2 ∇ ϕ 8

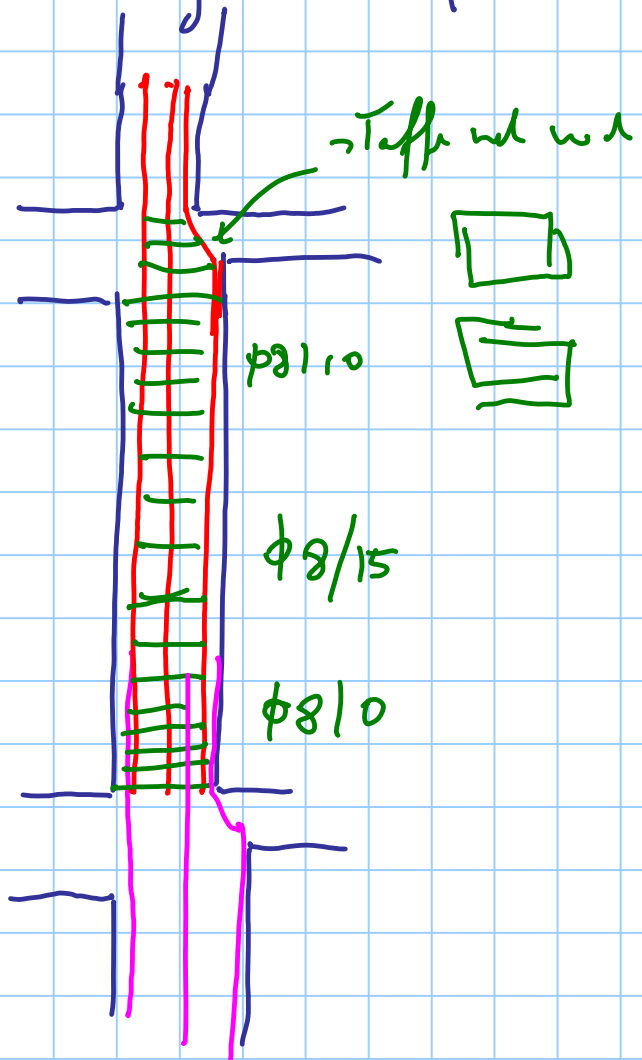


30x70
10 ϕ 16

opp. 4 ϕ 20 + 4 ϕ 16

1:10 (• 1:20)

sezione longitudinale



1:20

5 cm ∇t_{cur}
5 ÷ 10 cm ∇t_{cur}

