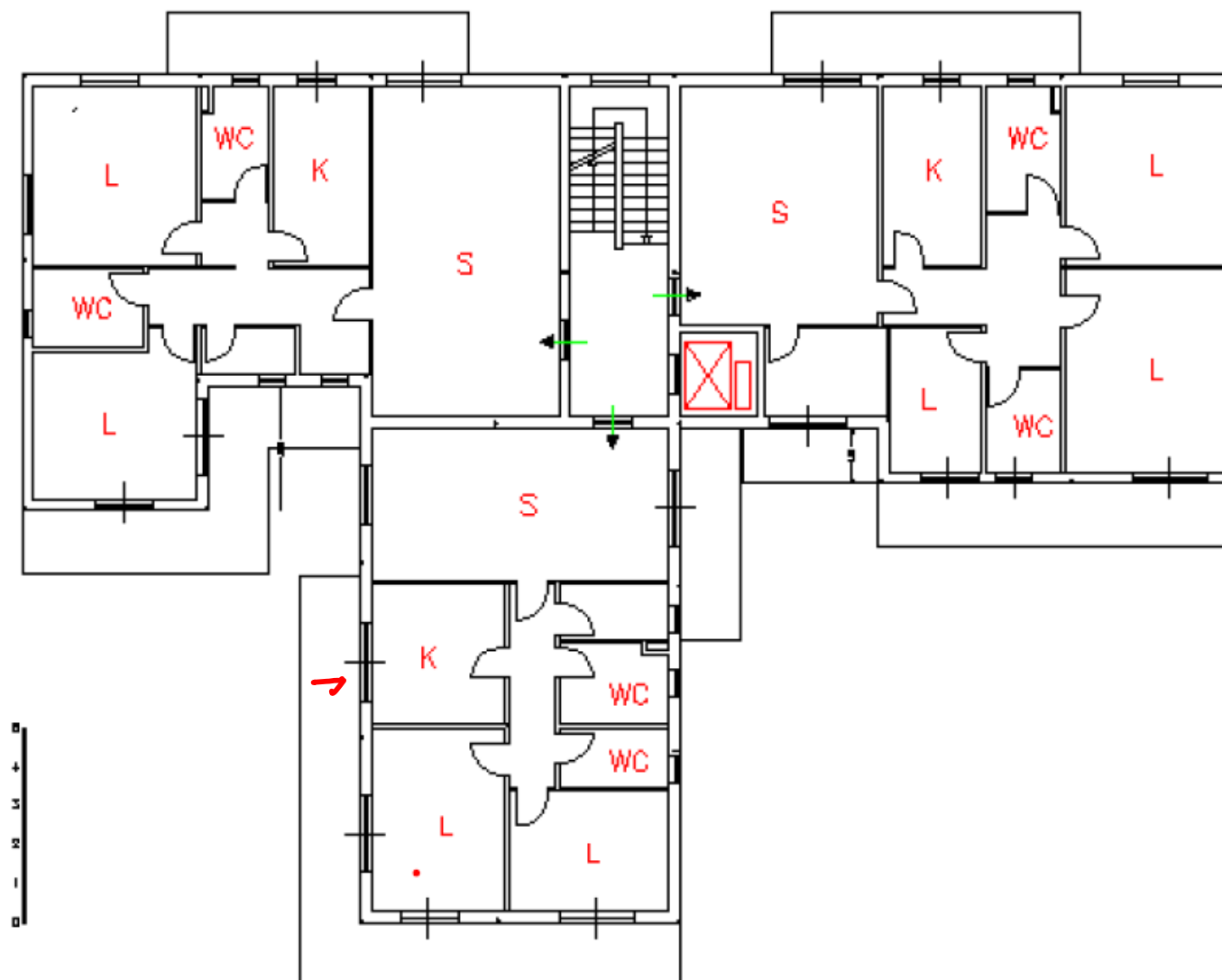


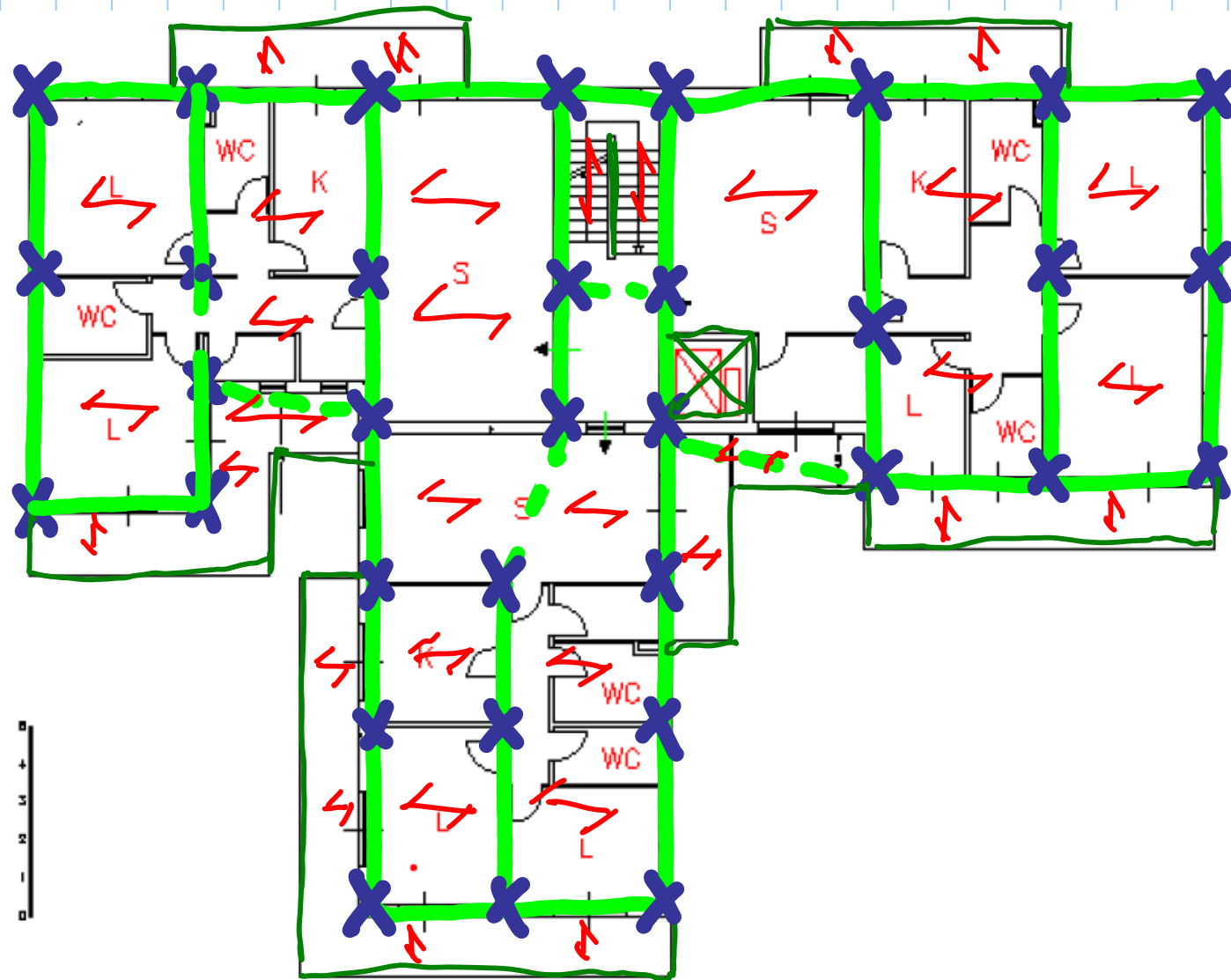
PIANTA N.2

Titolo nota

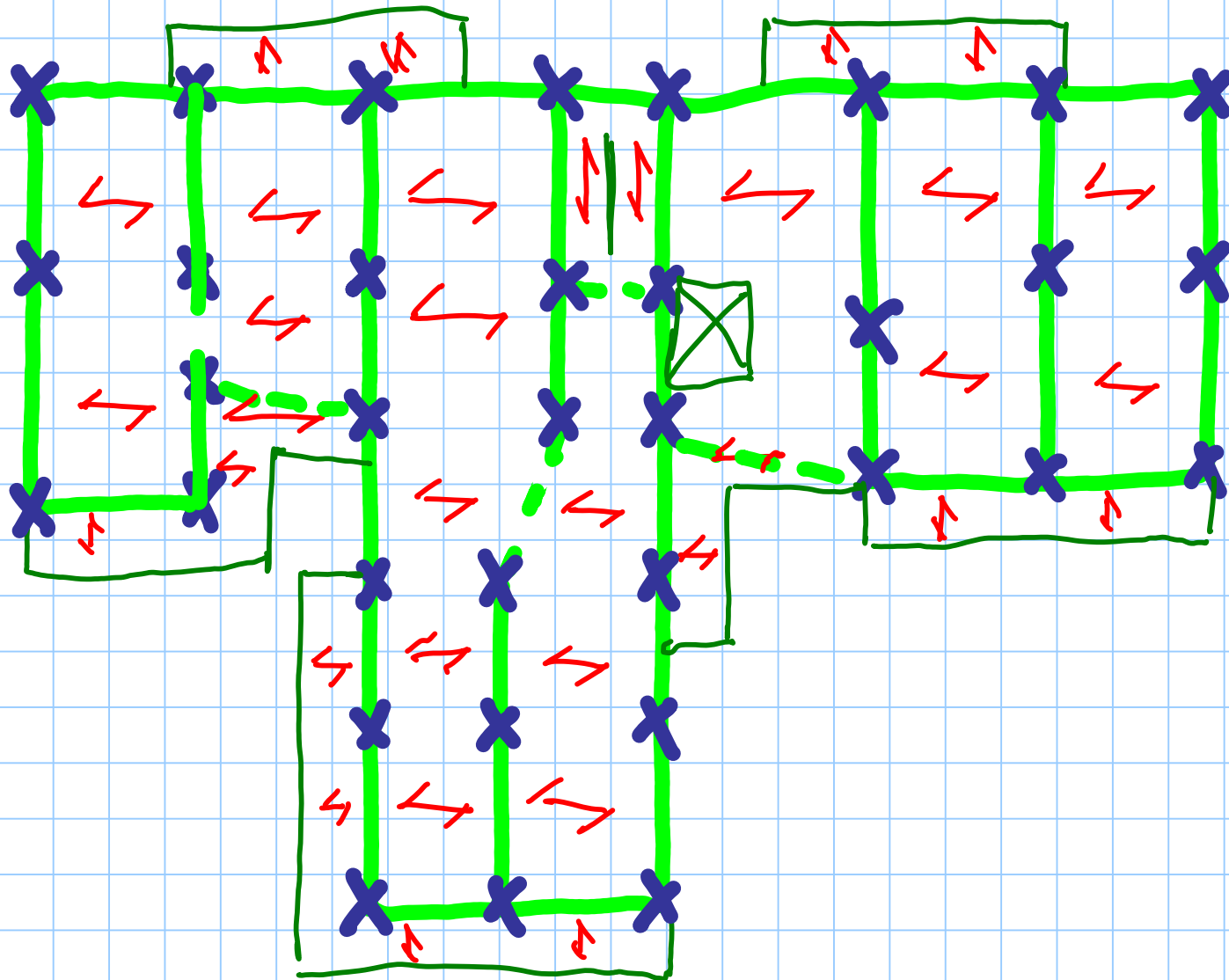
23/03/2014



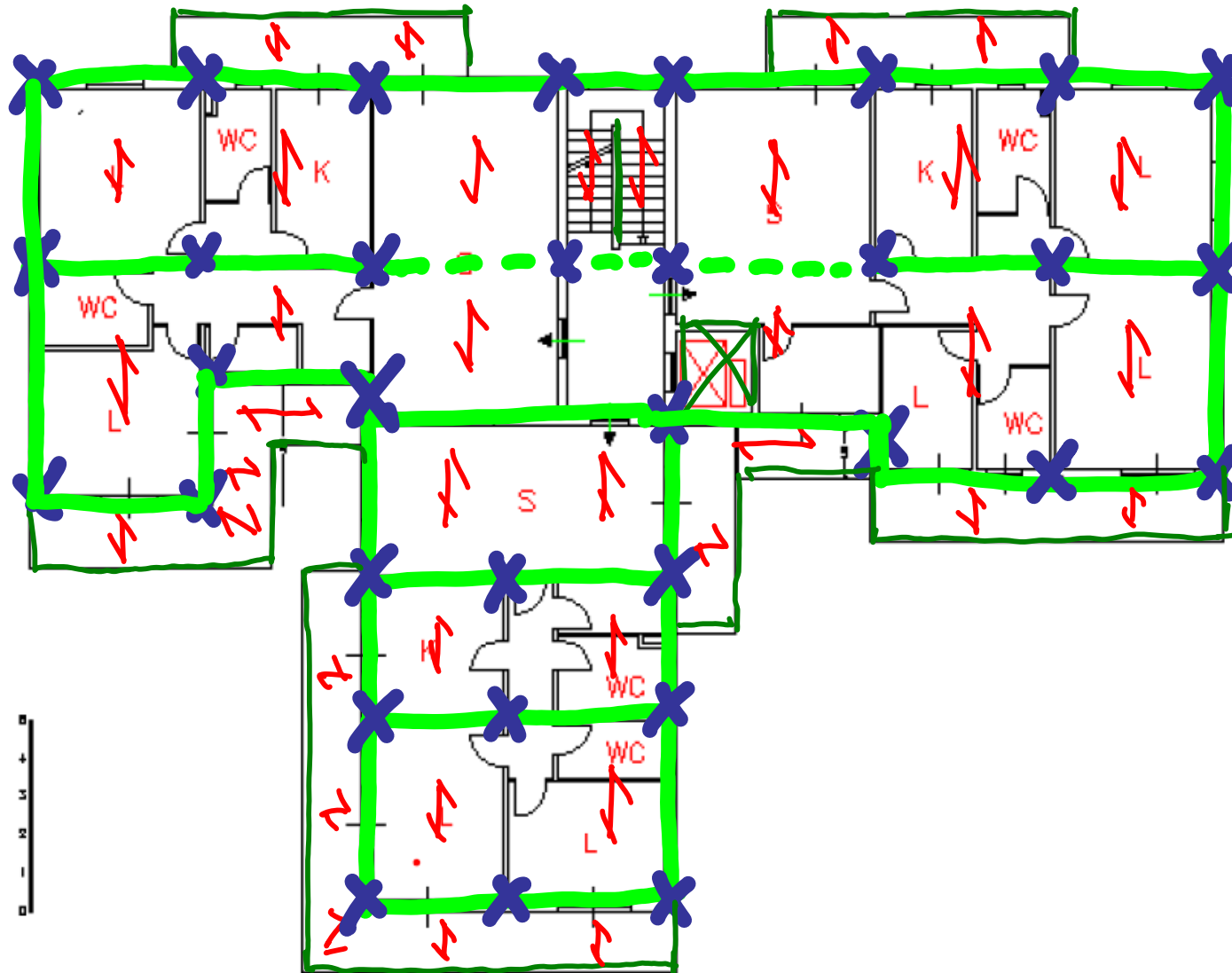
SOLUZIONE N.1: ALLINEAMENTI VERTICALI



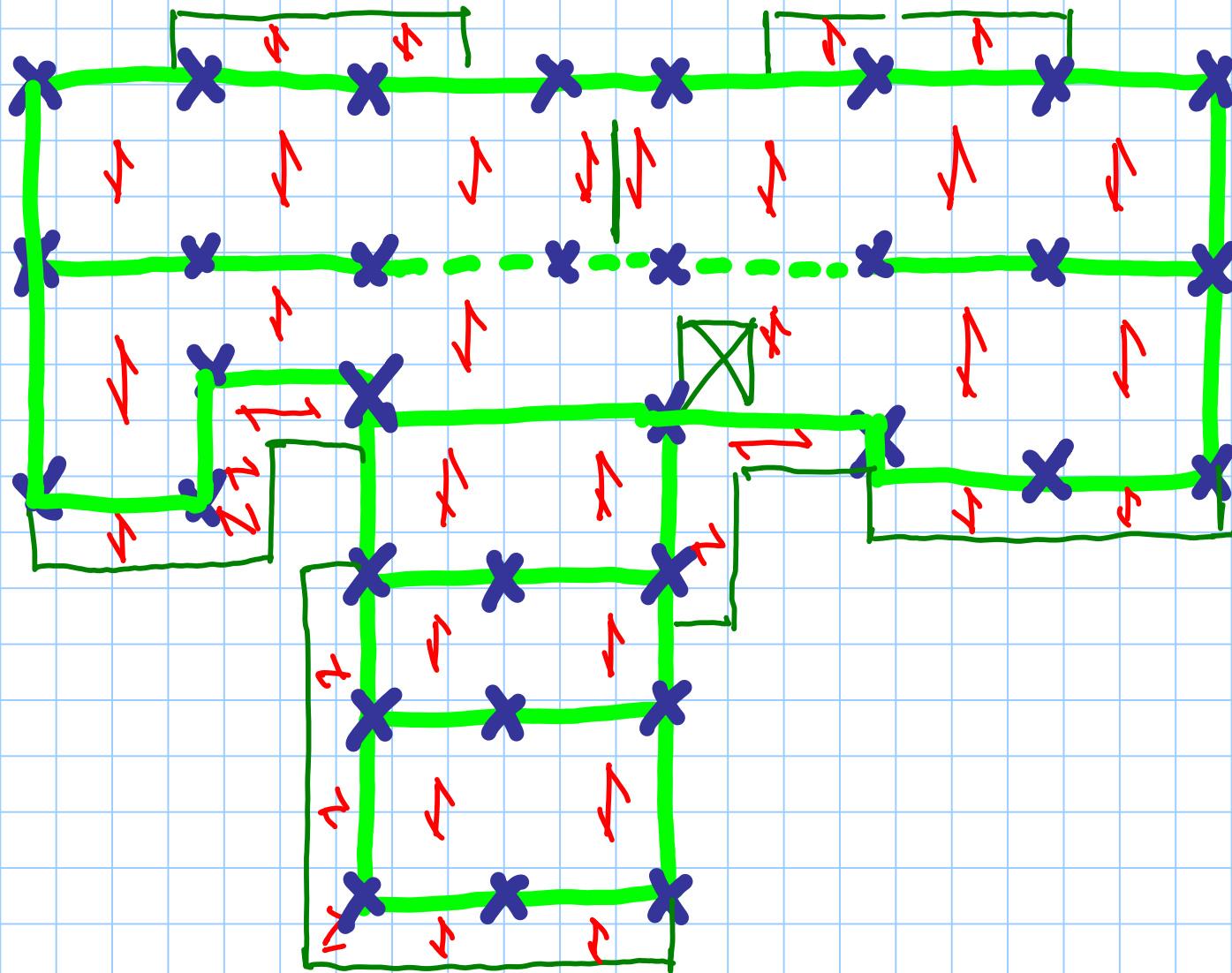
SOLUZIONE N.1: ALLINEAMENTI VERTICALI



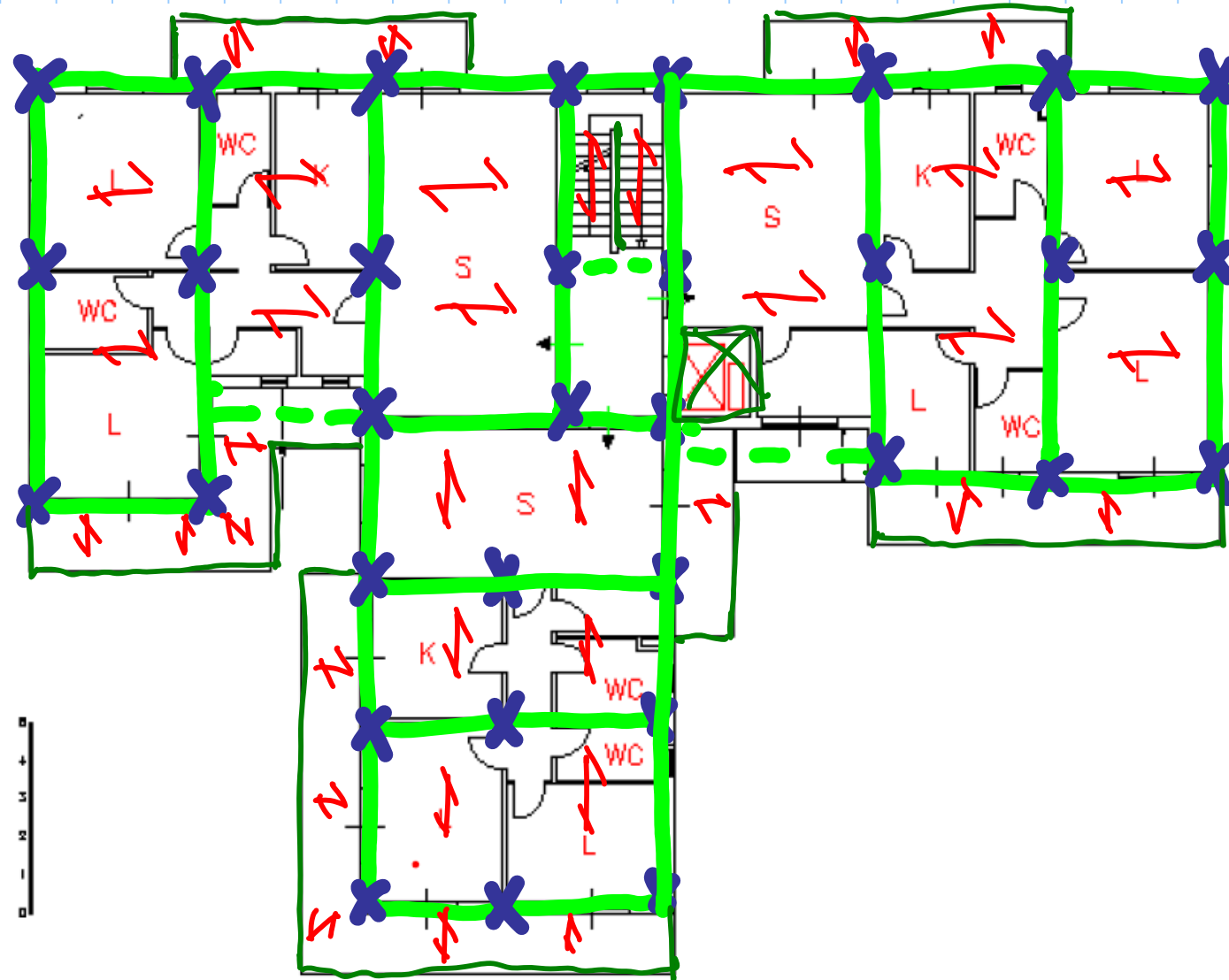
SOLUZIONE N.2: ALLINEAMENTI ORIZZONTALI



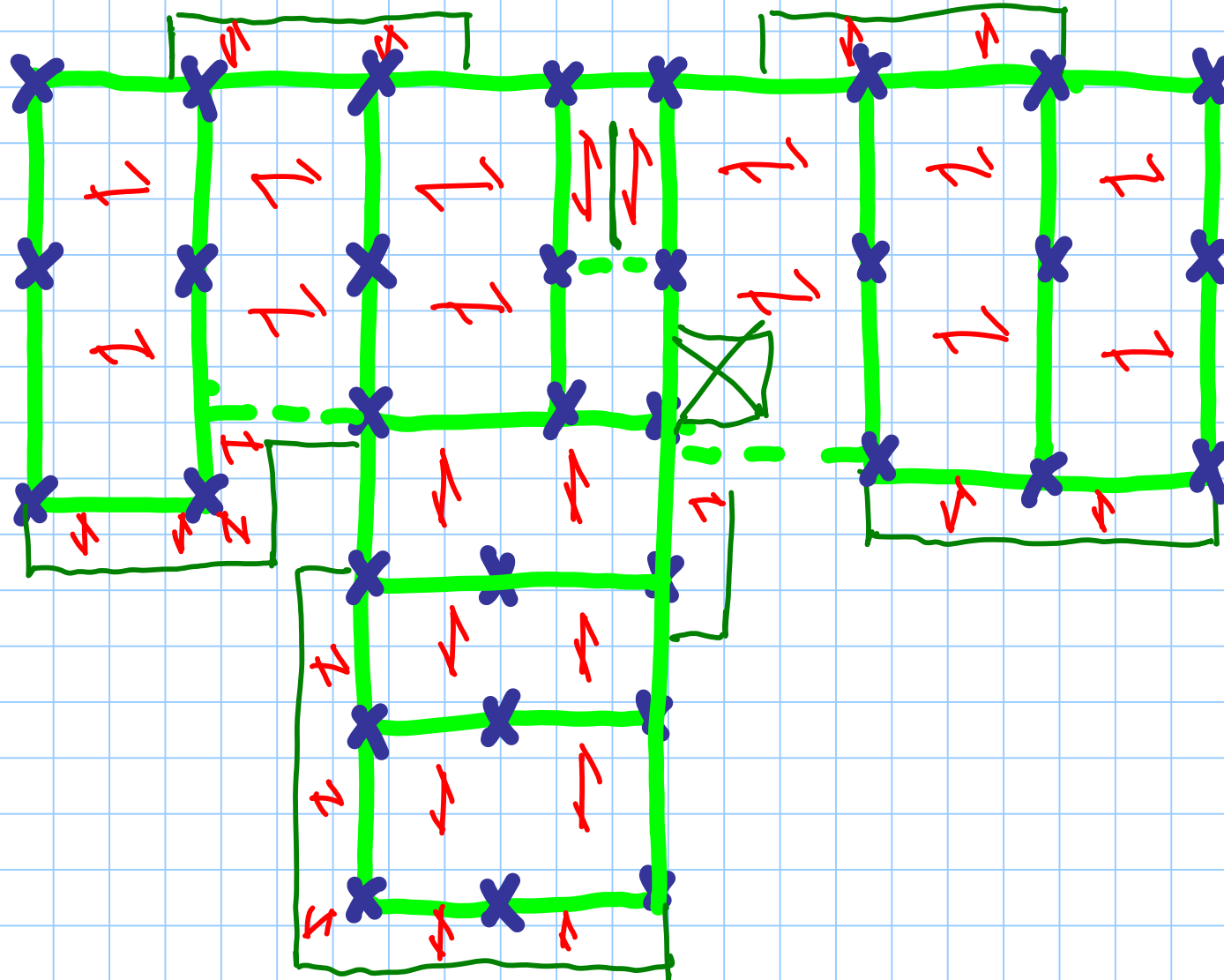
SOLUZIONE N.2: ALLINEAMENTI ORIZZONTALI



SOLUZIONE N.3



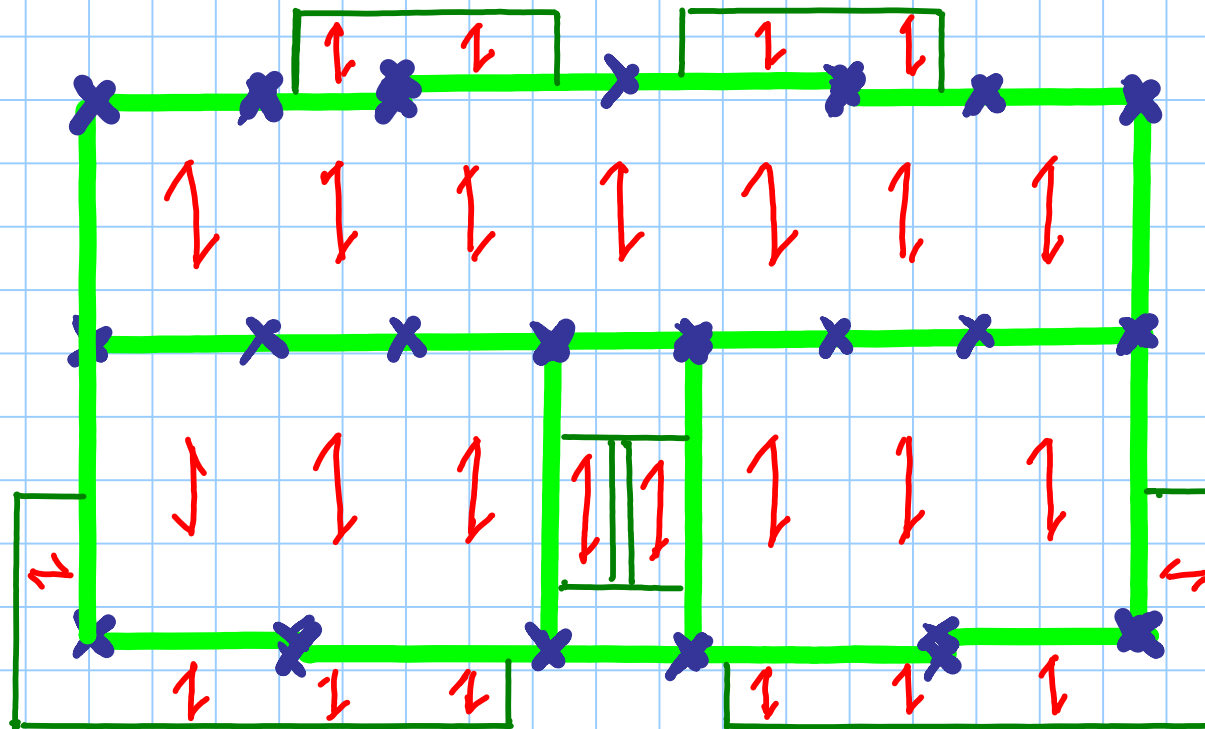
SOLUZIONE N.3



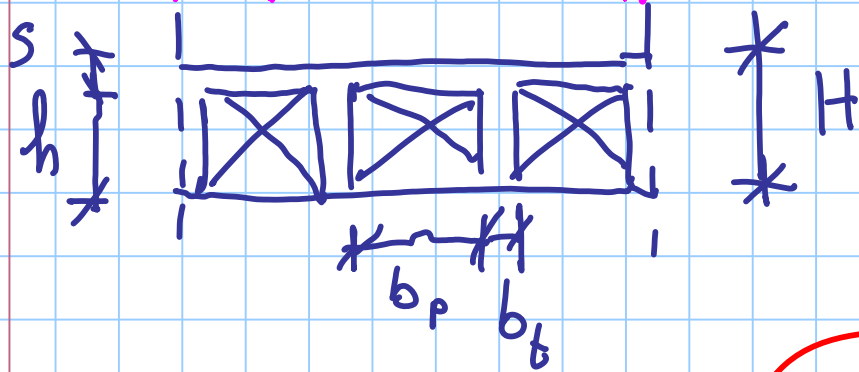
ANALISI DEI CARICHI UNITARI

Titolo nota

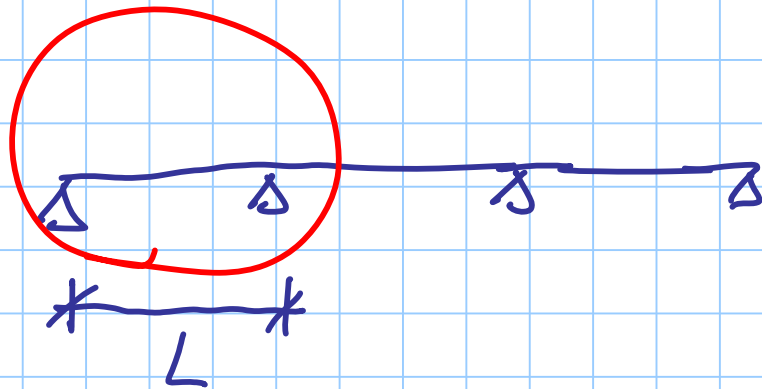
23/03/2014



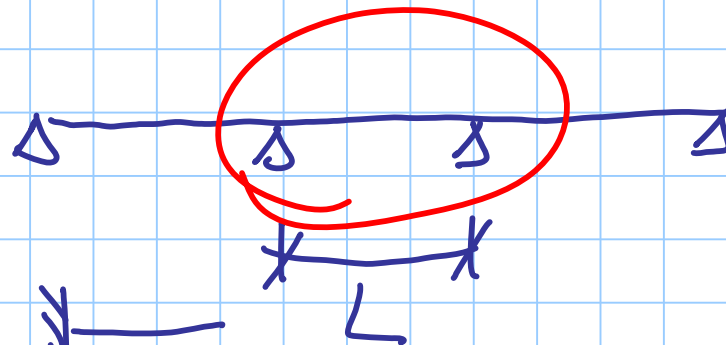
DIMENSIONAMENTO SOLAIO E SBALZI



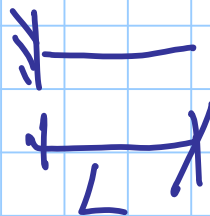
$$\frac{L}{H} \leq 22$$



$$\frac{L}{H} \leq 25$$



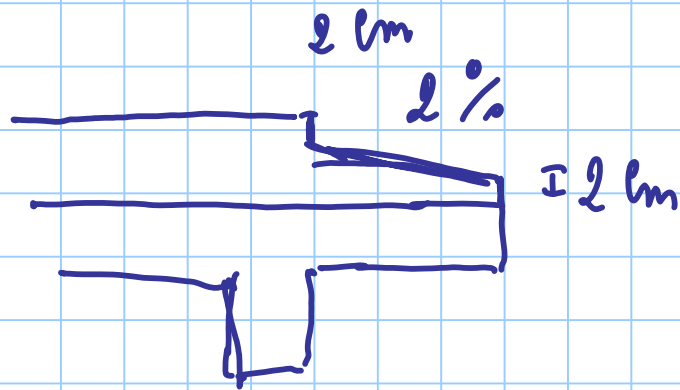
$$\frac{L}{H} \leq 7$$



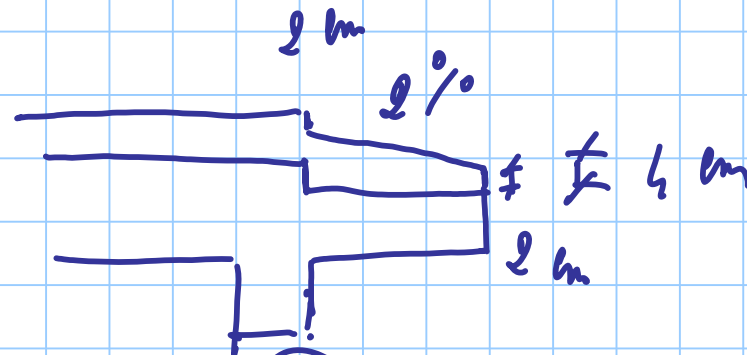
$$\frac{L}{H} \leq 20$$

per treni a spinnon

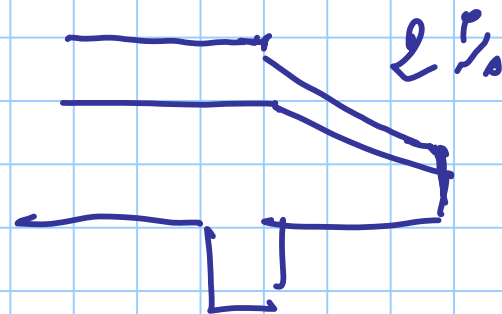
L : lunghezza dei treni a spinnon



①



②

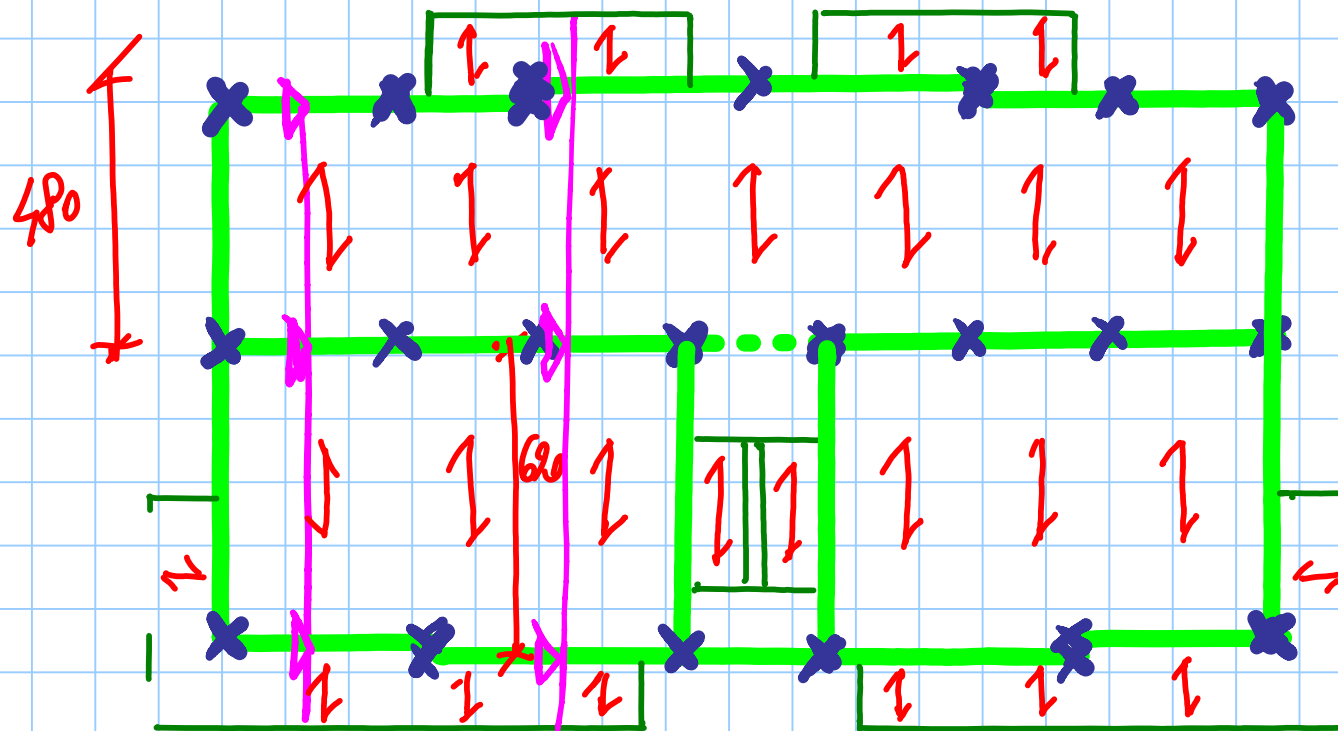


③

DIMENSIONAMENTO SOLAIO E SBALZI

Titolo nota

23/03/2014



$$\frac{L}{h} \leq 22$$

$$H \geq \frac{L}{22}$$

$$H \geq \frac{480}{22} = 21,8 \text{ cm}$$

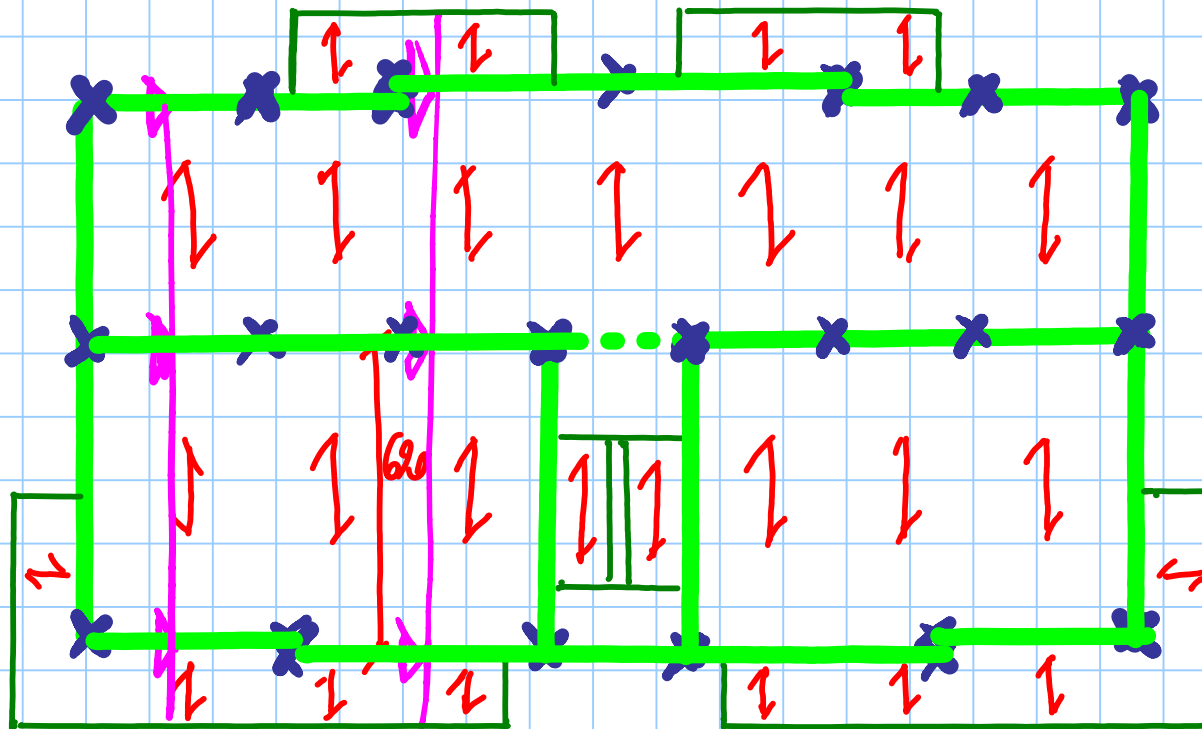
DIMENSIONAMENTO SOLAIO E SBALZI

Titolo nota

23/03/2014

$$25 = 20 + 5$$

PIGNATTE SOLETTA



$$\frac{L}{H} \leq 25$$

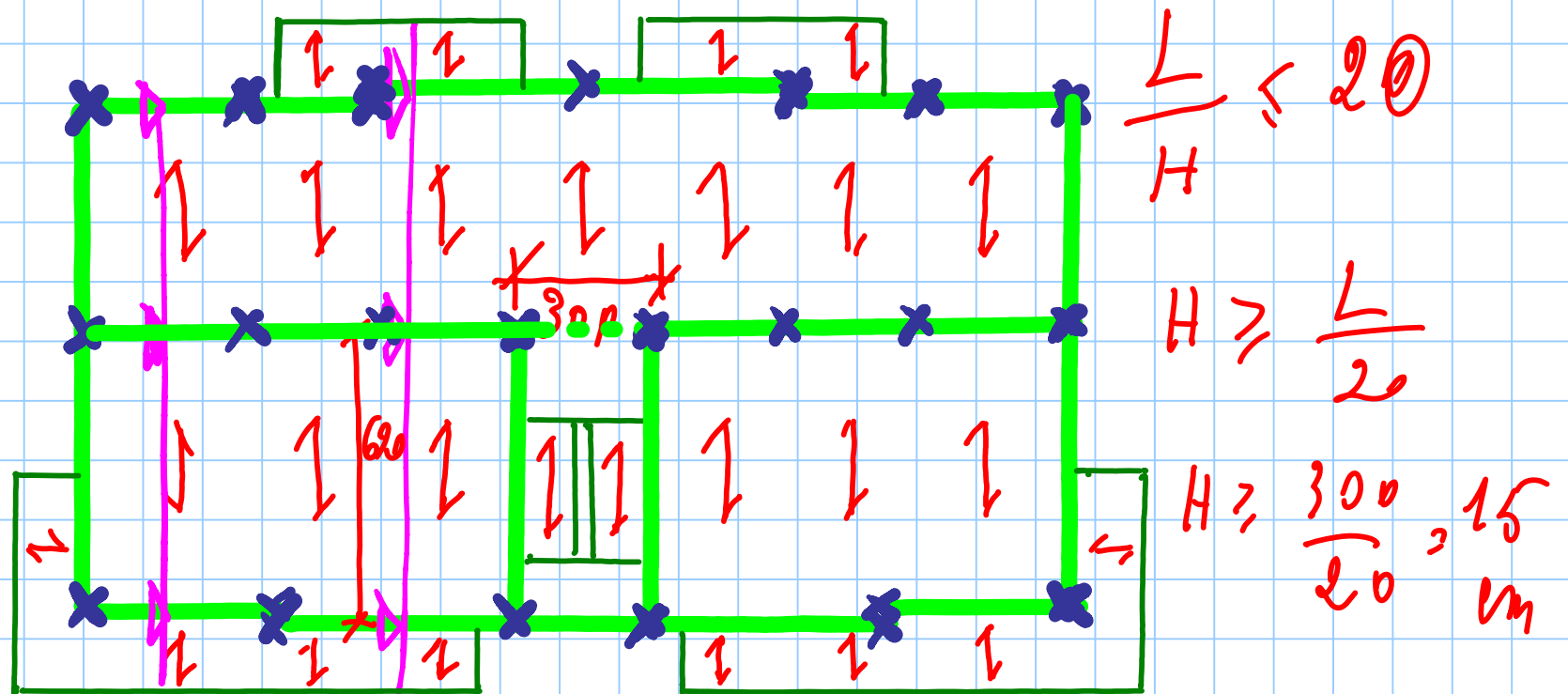
$$H \geq \frac{L}{25}$$

$$H \geq \frac{620}{25} = 24.8 \text{ cm}$$

DIMENSIONAMENTO SOLAIO E SBALZI

Titolo nota

23/03/2014



DIMENSIONAMENTO SOLAIO E SBALZI

Titolo nota

23/03/2014

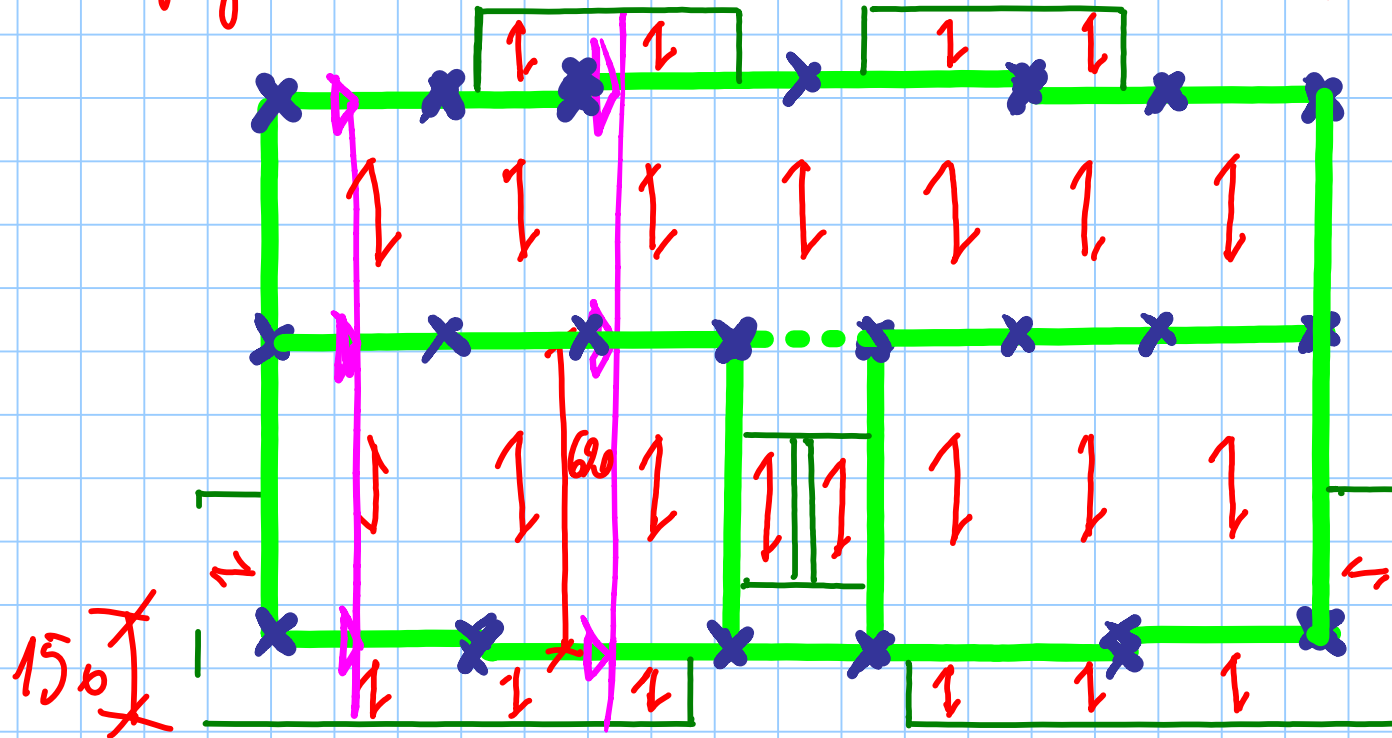
$$21 = 16 + 5$$

dignette sollette

$$\frac{L}{H} \leq 7$$

$$H \geq \frac{L}{7}$$

$$H \geq \frac{150}{7} \approx 21,4 \text{ cm}$$



CARICO SOLAIO

Titolo nota

24/03/2014

SOLETTA

$$1 \times 1 \times 0,05 \times 25 = 1,25 \text{ KN/m}^2$$

TRAVETTI

$$3 \times 1 \times 0,08 \times 0,2 \times 25 = 1,20 \text{ KN/m}^2$$

PIGNATTI

$$7,5 \times 0,082 = 0,61 \text{ KN/m}^2$$

$$\underline{\quad\quad\quad} 3,06 \text{ KN/m}^2$$

h

P_{uso} (KN) per pignette

12

0,062

14

0,068

16

0,069

18

0,076

20

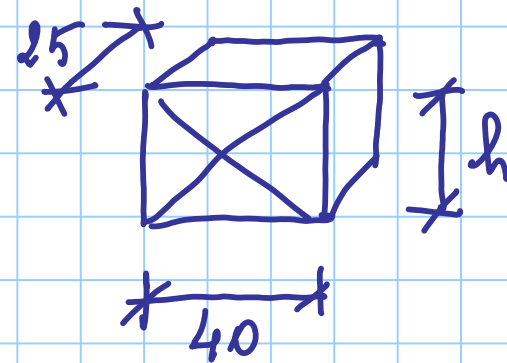
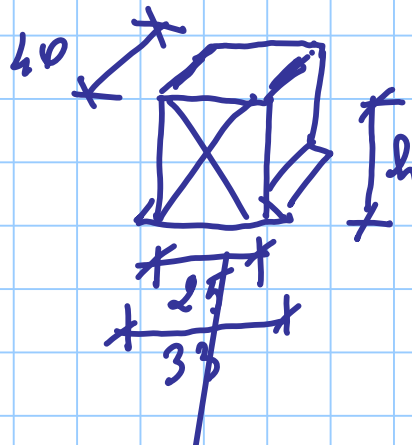
0,082 ←

22

0,085

24

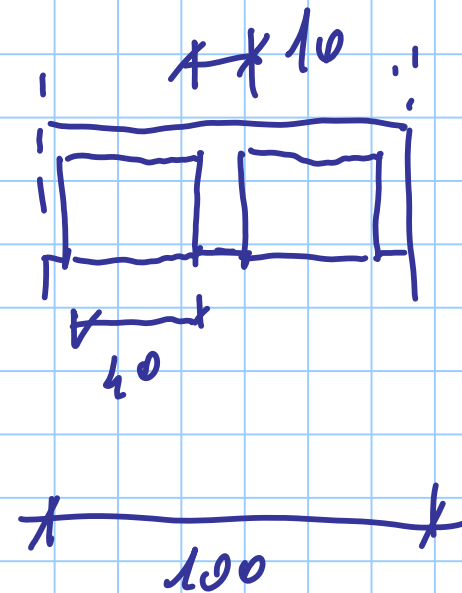
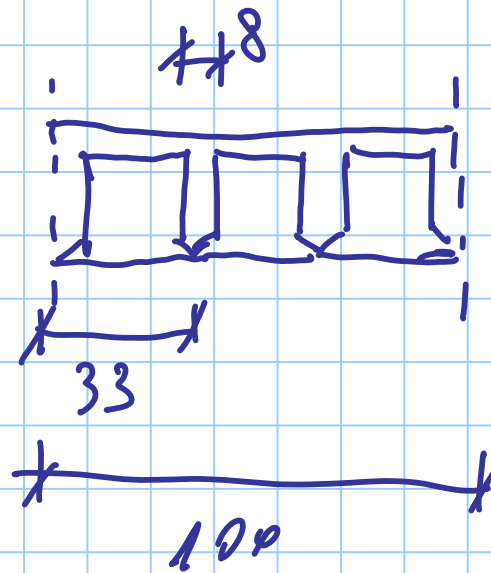
0,101



TIPI DI SOLAIO

Titolo nota

24/03/2014



MASSETTO

$$1 \times 1 \times 0,06 \times 22 = 1,32 \text{ KN/m}^2$$

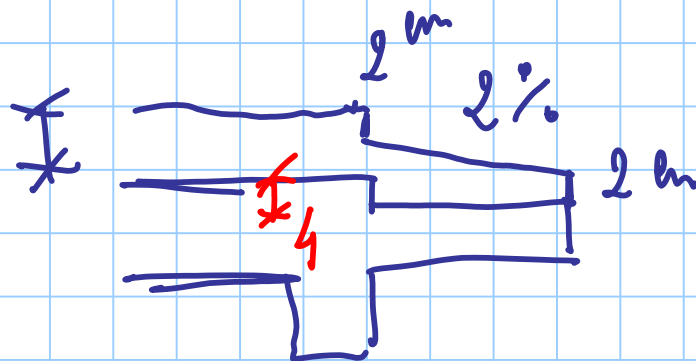
PAVIMENTO

$$1 \times 1 \times 0,01 \times 21 = 0,21 \text{ KN/m}^2$$

INTONACO

$$1 \times 1 \times 0,02 \times 18 = 0,36 \text{ KN/m}^2$$

$$\underline{1,89 \text{ KN/m}^2}$$



$$g_k = 3,06 + 1,89 = 4,95 \text{ KN/m}^2$$

$$2 + 2 + 0,02 \times 135 - 4 = \cancel{2,7} \text{ m}$$

6 m

$$q_k = 2 \text{ KN/m}^2 \quad \left. \begin{array}{l} \\ \text{TRAFFICO} \end{array} \right\} q_k = 3,6 \text{ KN/m}^2$$



$$q_k \leq 1 \text{ KN/m}$$

$$q_{kt} = 0,4 \text{ KN/m}^2$$

$$1 < q_k \leq 2 \text{ KN/m}$$

$$q_{kt} = 0,8 \text{ KN/m}^2$$

$$3 < q_k \leq 4 \text{ KN/m}$$

$$q_{kt} = 1,6 \text{ KN/m}^2$$

LATERIZI
INTONACO

$$1 \times 0,08 \times 2,95 \times 6 = 1,41 \text{ KN/m}$$

$$1 \times 0,04 \times 2,95 \times 18 = 2,12 \text{ KN/m}$$

$$\underline{3,53 \text{ KN/m}}$$

SOLAIO

 g_k

4,95

~~4,95~~
1,3 q_k

3,6

~~3,6~~
1,5 g_d

6,43

 q_d

5,4

BALCONE

m

4,0

m

6,0

TAMPONATURE

m

m

TRAVI 30x50

= 80x25

2,55

8,31

PESO TRAVE

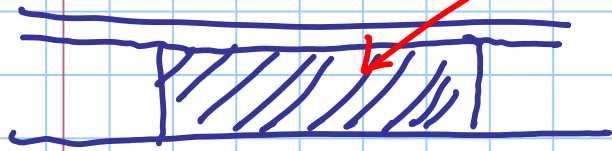
PESO SOLAIO

$$1 \times 0,8 \times 0,25 \times 25 = 5 \text{ KN/m}$$
$$- 3,06 \times 0,8 = -2,45$$

24/03/2014

$$\underline{2,55 \text{ KN/m}}$$

TRAVE A SPESSORE



25

80