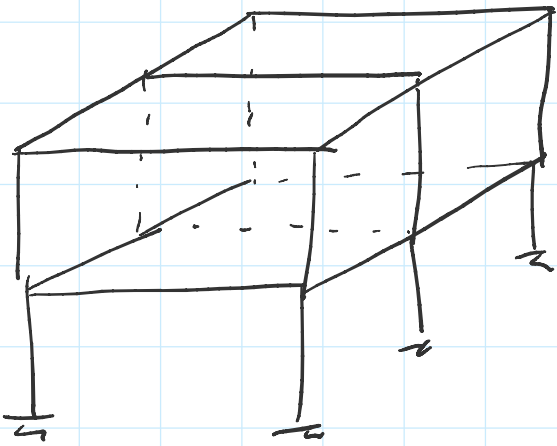


EDIFICIO IN C.A.

giovedì 19 marzo 2020 16:18



STRUTTURA IPERSTATICA

N, M, V DIPENDONO
DALE SEZIONI
UTILIZZATE



NECESSARIO UN PREDIMENSIONAMENTO

PER OGNI ELEMENTO STRUTTURALE ⇒
TROVARE UN MODELLO SEMPLIFICATO

PERCORSO DEI CARICHI

IMPALCATO } SOLAIO
 } TRAVI

PILASTRI

FONDAZIONI

TERRENO

SCALE (ELEMENTI DI
COLLEGAMENTO)

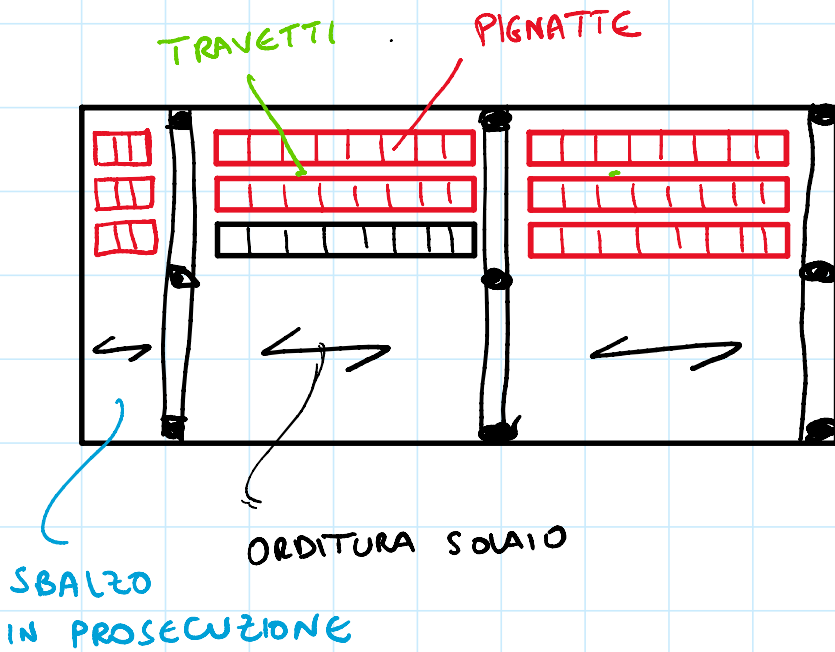


CARICHI
VERTICALI

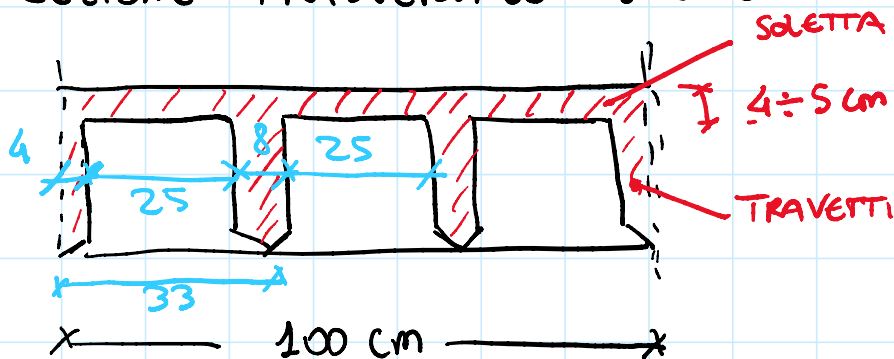
SOLAIO

giovedì 19 marzo 2020 16:23

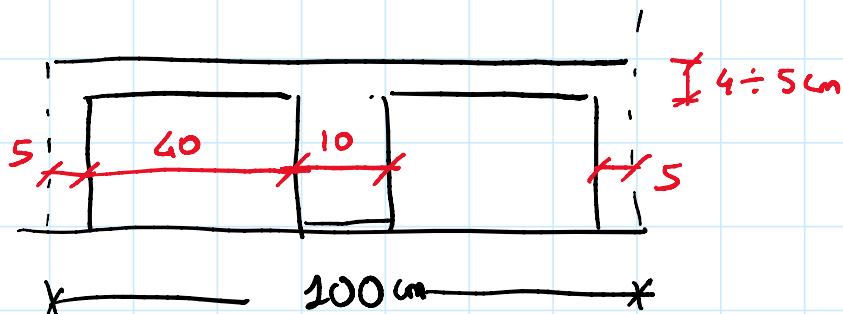
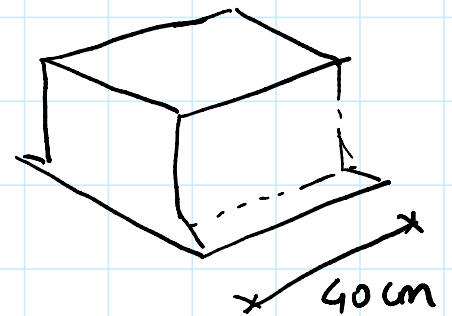
SOLAI UNIDIREZIONALI IN LATERO CEMENTO



SEZIONE TRASVERSALE SOLAIO

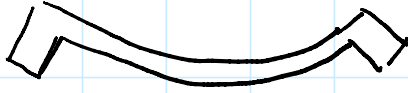


SOLAIO CON 3
TRAVETTI AL
METRO



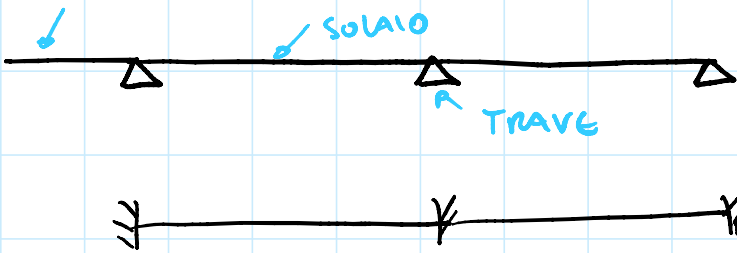
SOLAIO CON 2
TRAVETTI AL
METRO

SEZIONE LONGITUDINALE DEL SOLAIO E MODELLO



LA TRAVE SI OPpone ALLA ROTAZIONE DEL SOLAIO CON LA SUA RIGIDezza A TORSIONALE

SBALZO IN PROS.



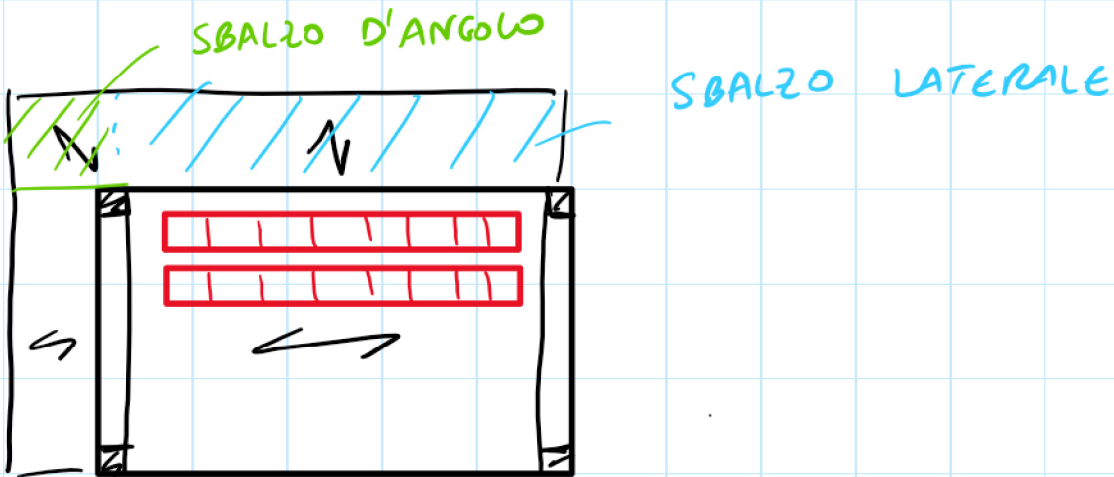
MODELLO DI TRAVE CONTINUA

SCHEMA LIMITE INCASTRO

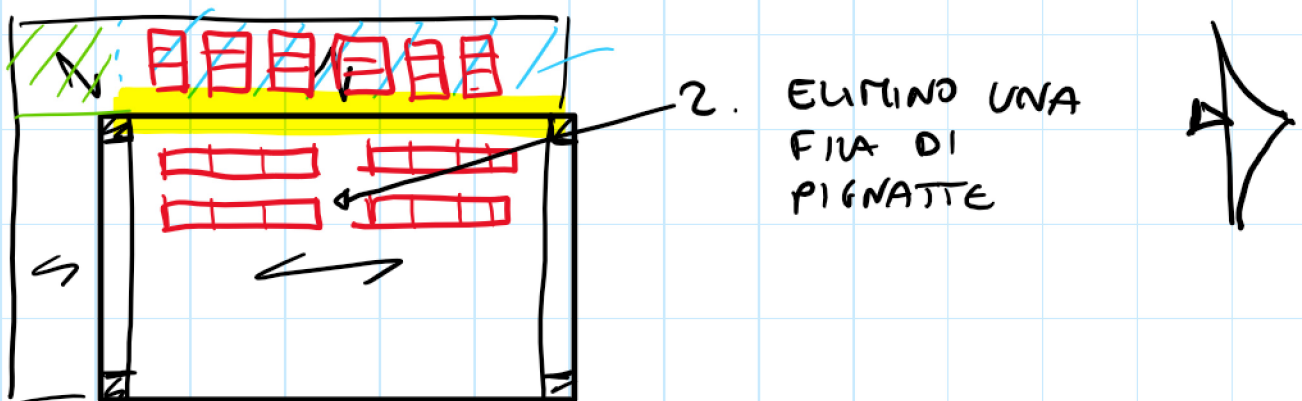
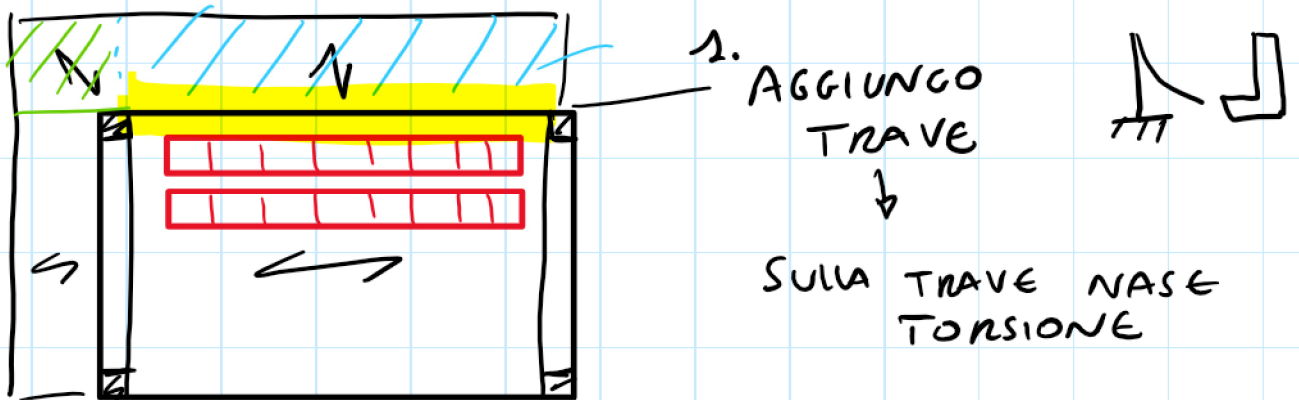
CRITERIO DI FASCIA

SBALZI

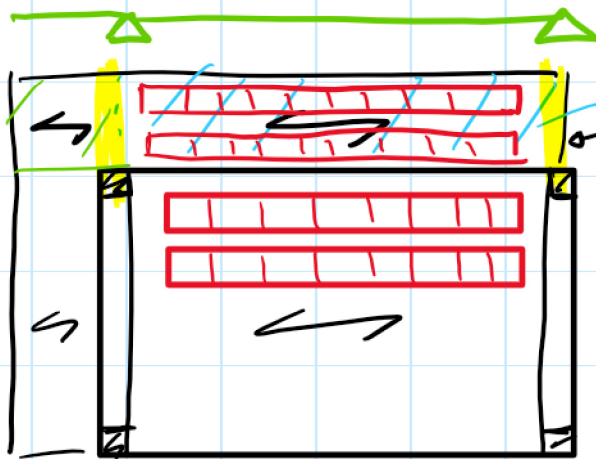
giovedì 19 marzo 2020 16:36



PER SOSTENERE SBALZO LATERALE

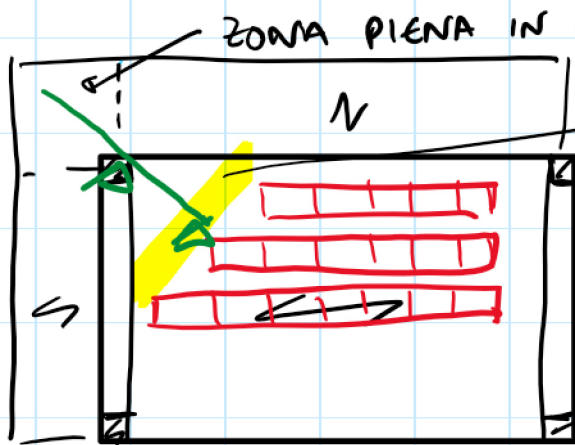


SOLUZIONE ALTERNATIVA



INSERISCO TRAVI A
SBALZO E MODIFICO
ORDITURA

PER SOSTENERE SBALZO D'ANGOLO

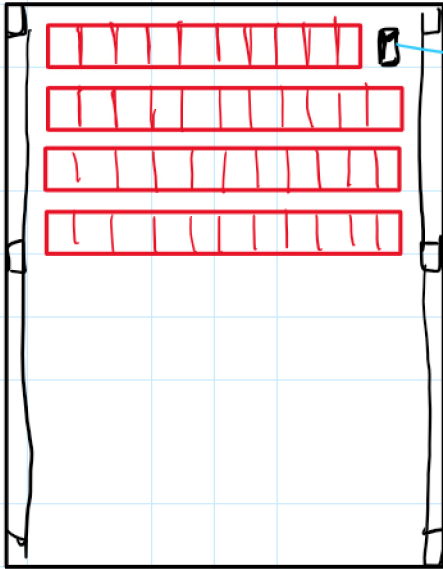


TRAVE A SPESSORE
(EURUNO PIGNATTE
VICINO ANGOLO)

FORI

giovedì 19 marzo 2020 14:41

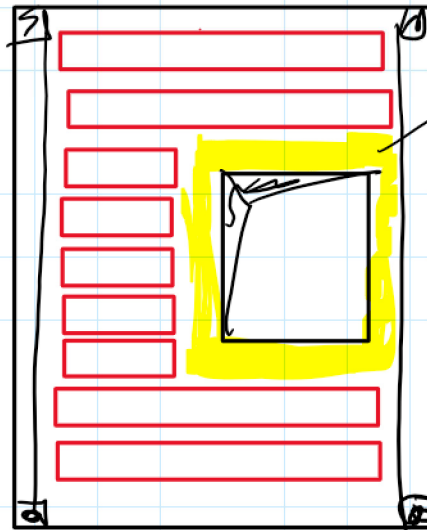
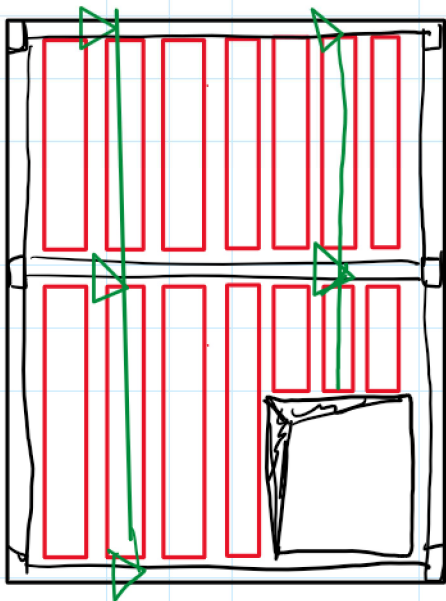
PICCOLI FORI → NESSUN PROBLEMA STRUTTURALE
(ELIMINO PIGNATTA IN CORRISPONDENZA
DEL FORO)



PICCOLO FORO

GRANDI FORI → SONO INTERROTTI I TRAVETTI
↓
RIPRISTINARE LA CONTINUITÀ

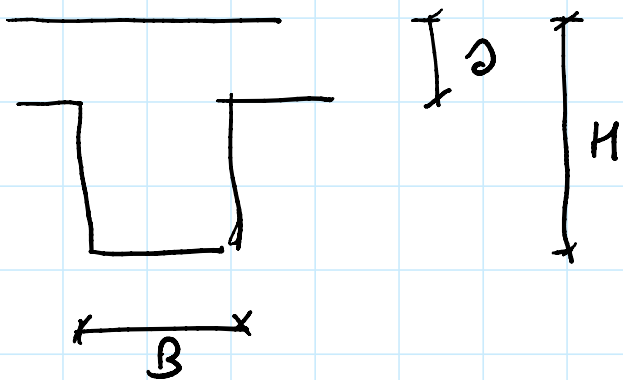
(RUOTO IL CAMPO DI SOLAIO O INSENSCO
UN "TELAIO ORIZZONTALE")



TELAIO
ORIZZONTALE

TRAVI

giovedì 19 marzo 2020 14:47



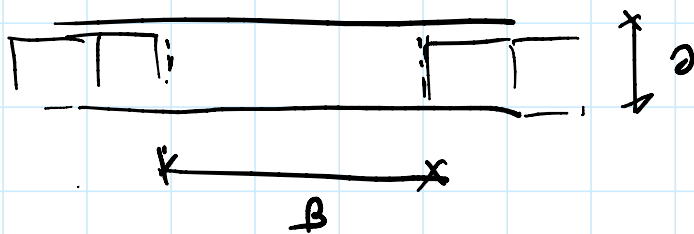
$$B = 30 \text{ cm}$$



H

TRAVI EMERGENTI

$$L = 6,5 \text{ m}$$



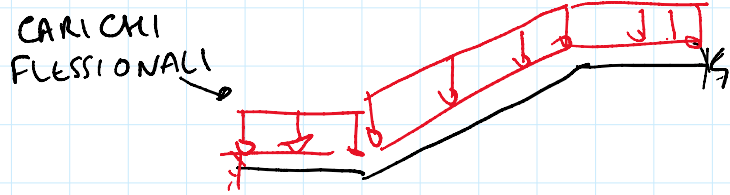
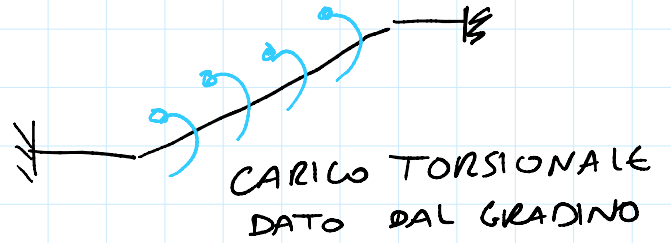
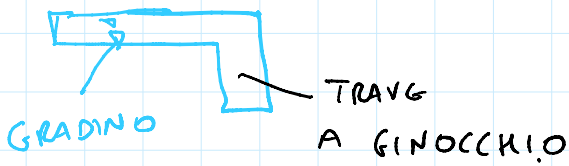
$$\text{Fisso } H = 0$$



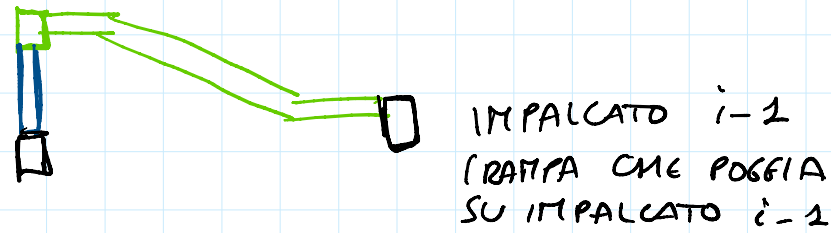
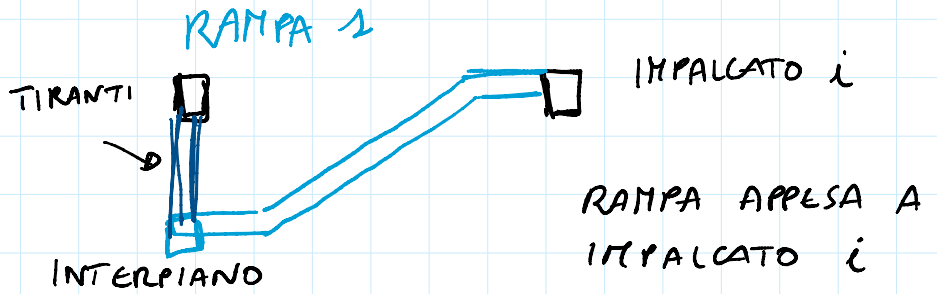
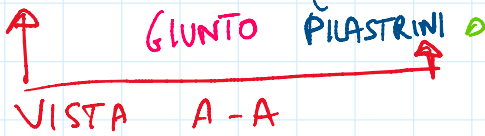
B

TRAVI
SPESSORE

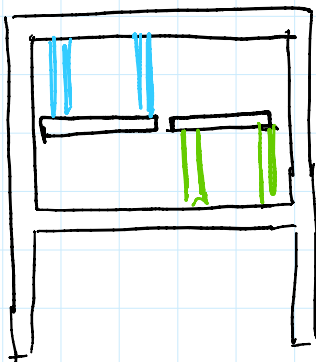
$$L \leq 4,00 \text{ m}$$



SCALA GILBERTI

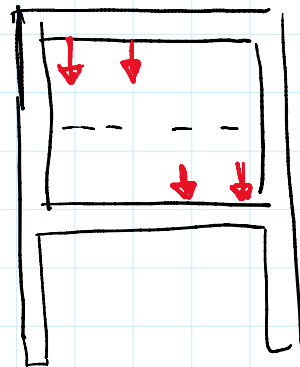


VISTA A-A

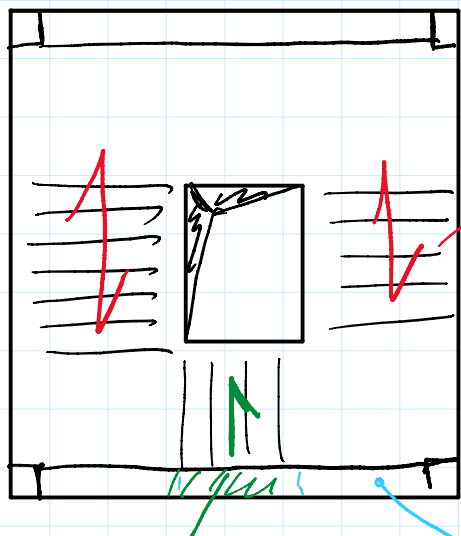


IMP. i

IMP. i-1



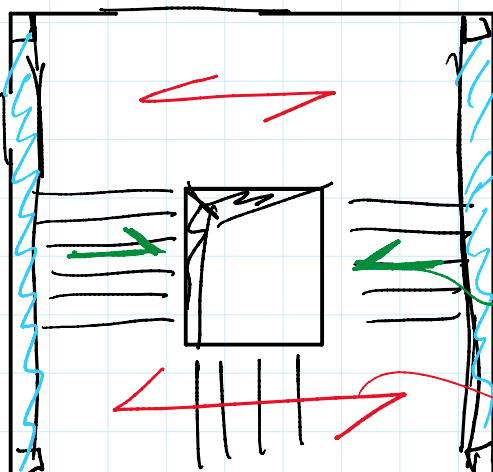
SCALE A TRE RAMPE



SOLETTA RAMPANTE

ZONA
CHE SOSTIENE
GRADINI A SBALZO

TRAVE A GINOCCHIO

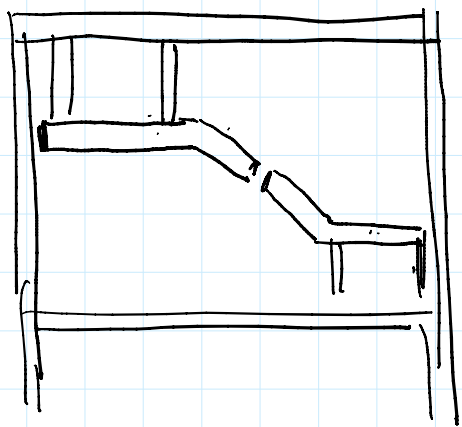


TRAVE
A GINOCCHIO

GRADINI A SBALZO

SOLETTA RAMPANTE

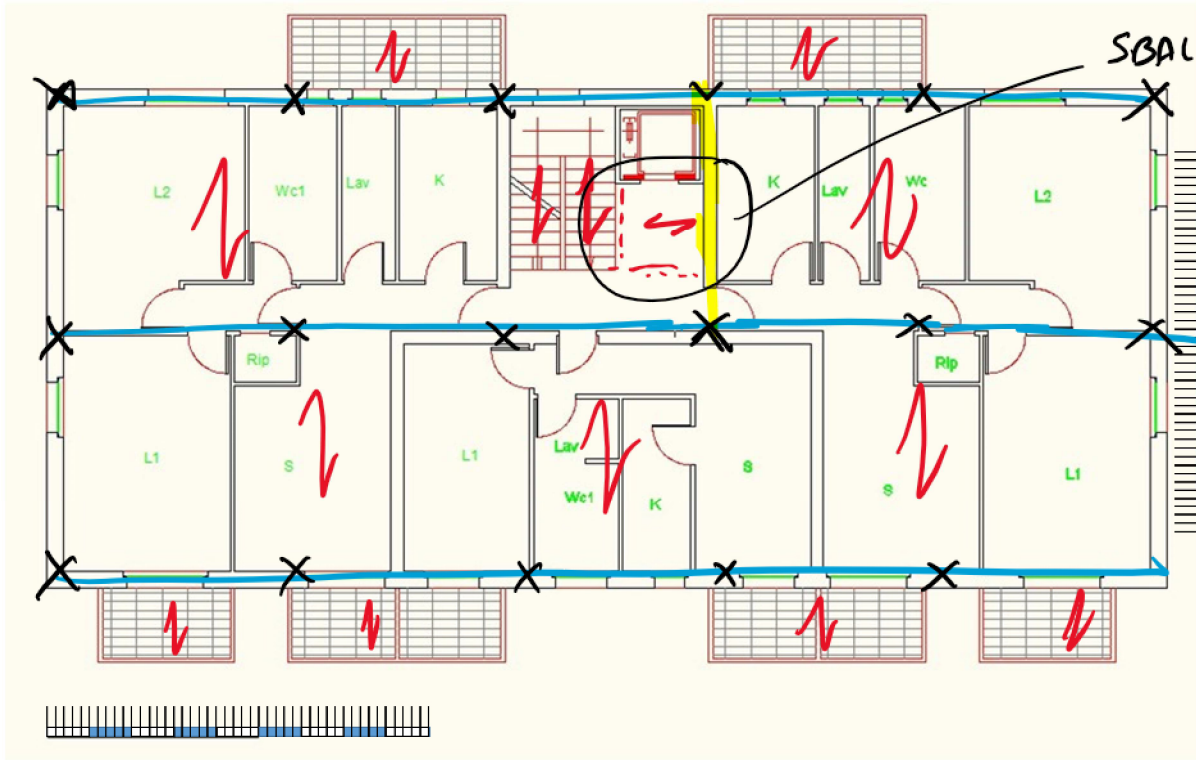
SOLUZIONE ALLA GIUBERTI



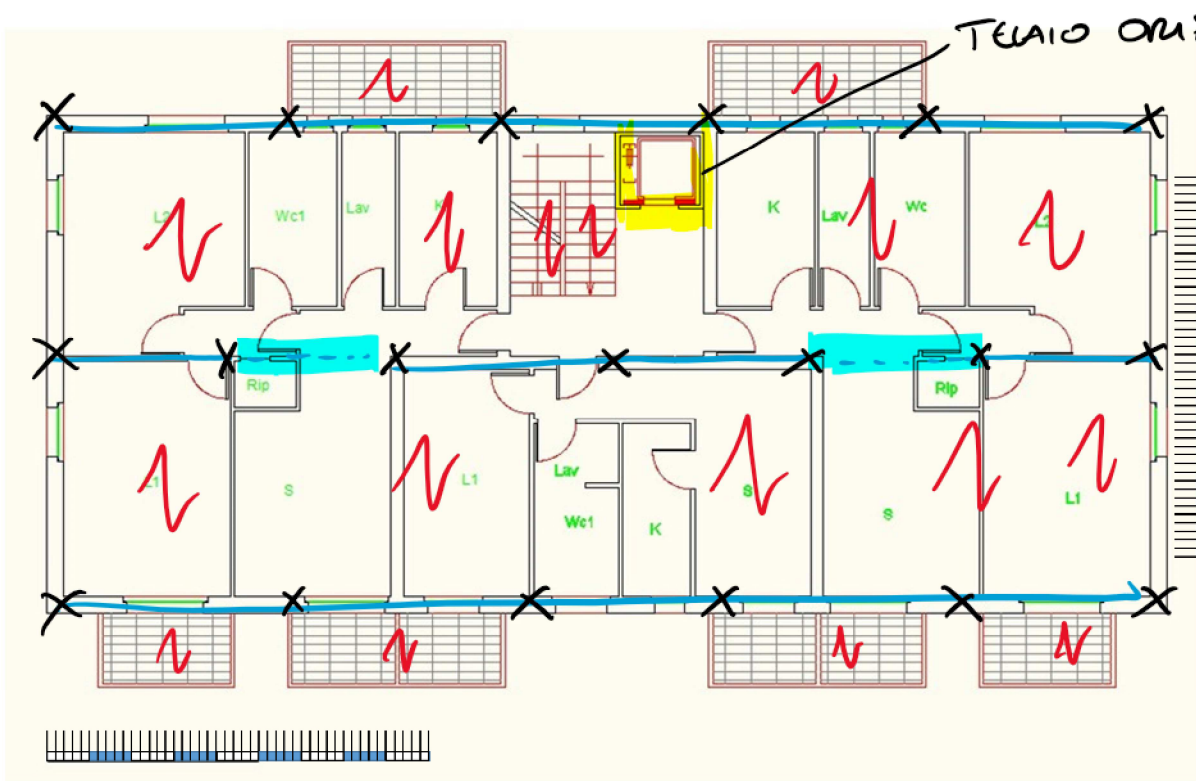
PIANTA 1

giovedì 19 marzo 2020 17:43

SOLUZIONE CON TRAVI EMERGENTI



CON TRAVI A SPESSORE ($L \leq 4.00\text{ m}$)

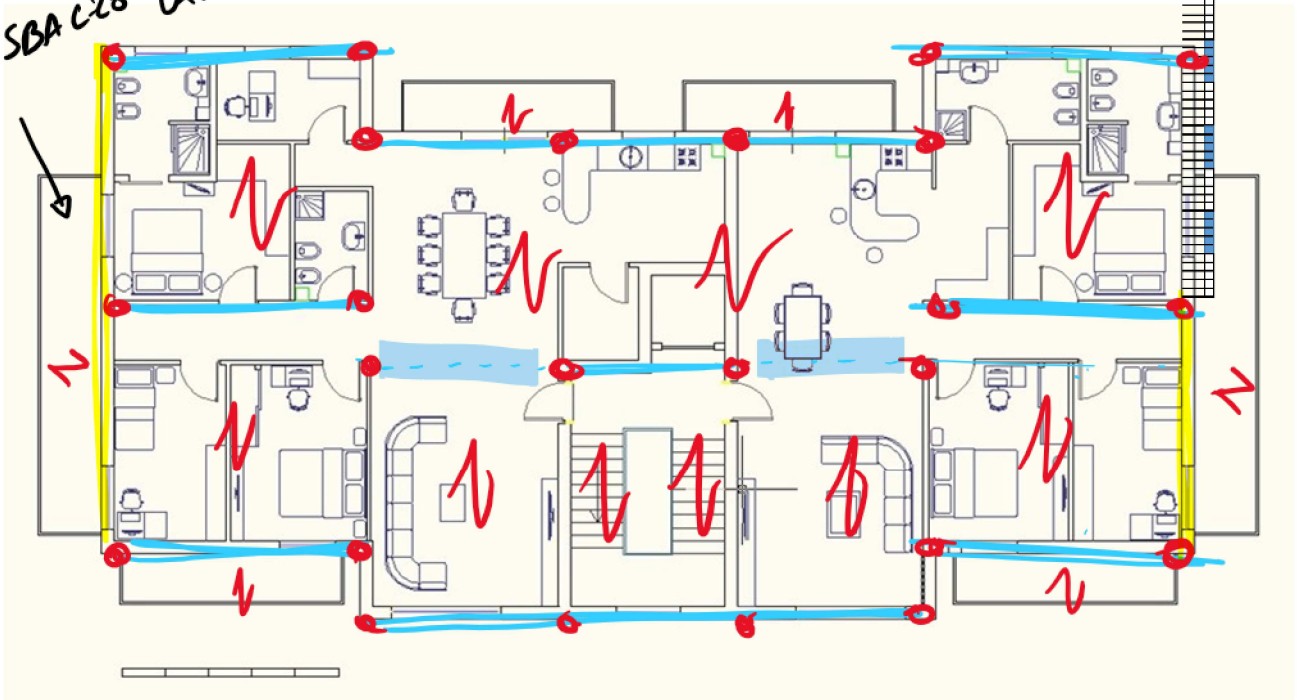


PIANTA 2

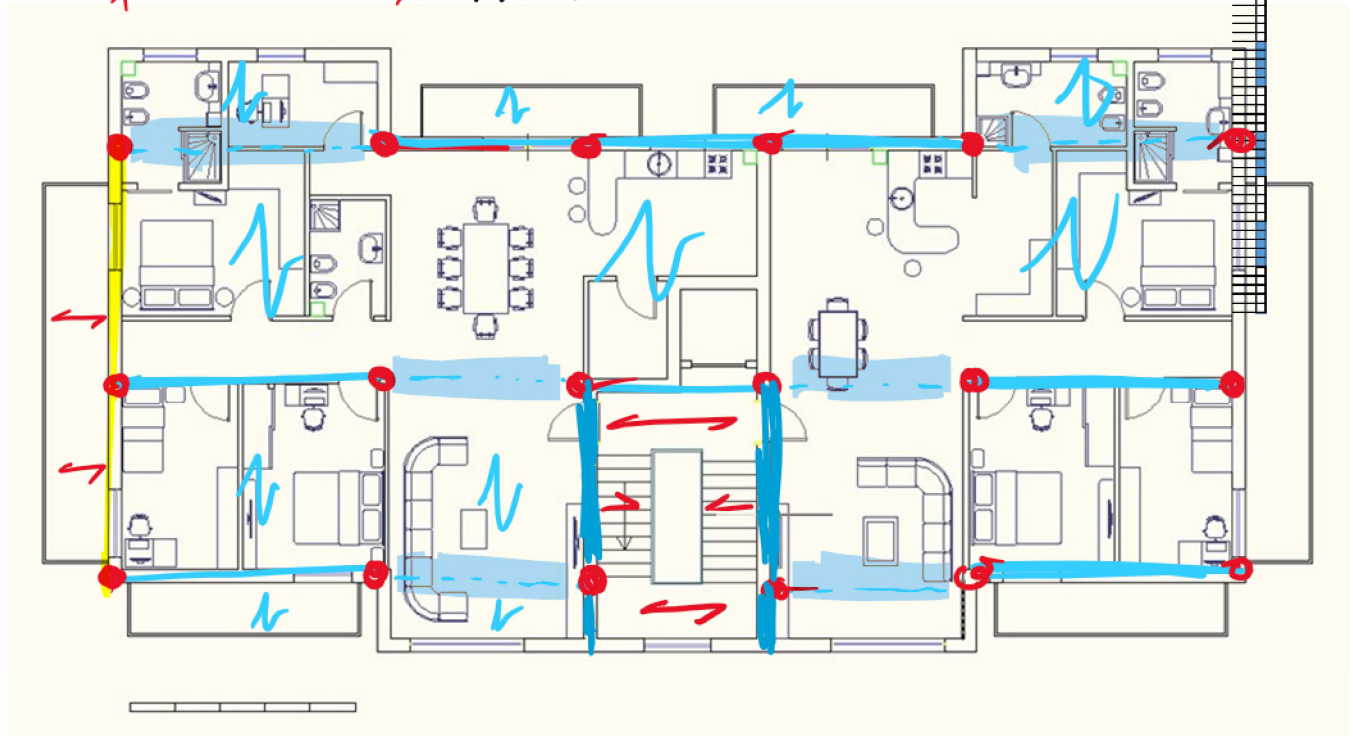
giovedì 19 marzo 2020 15:45

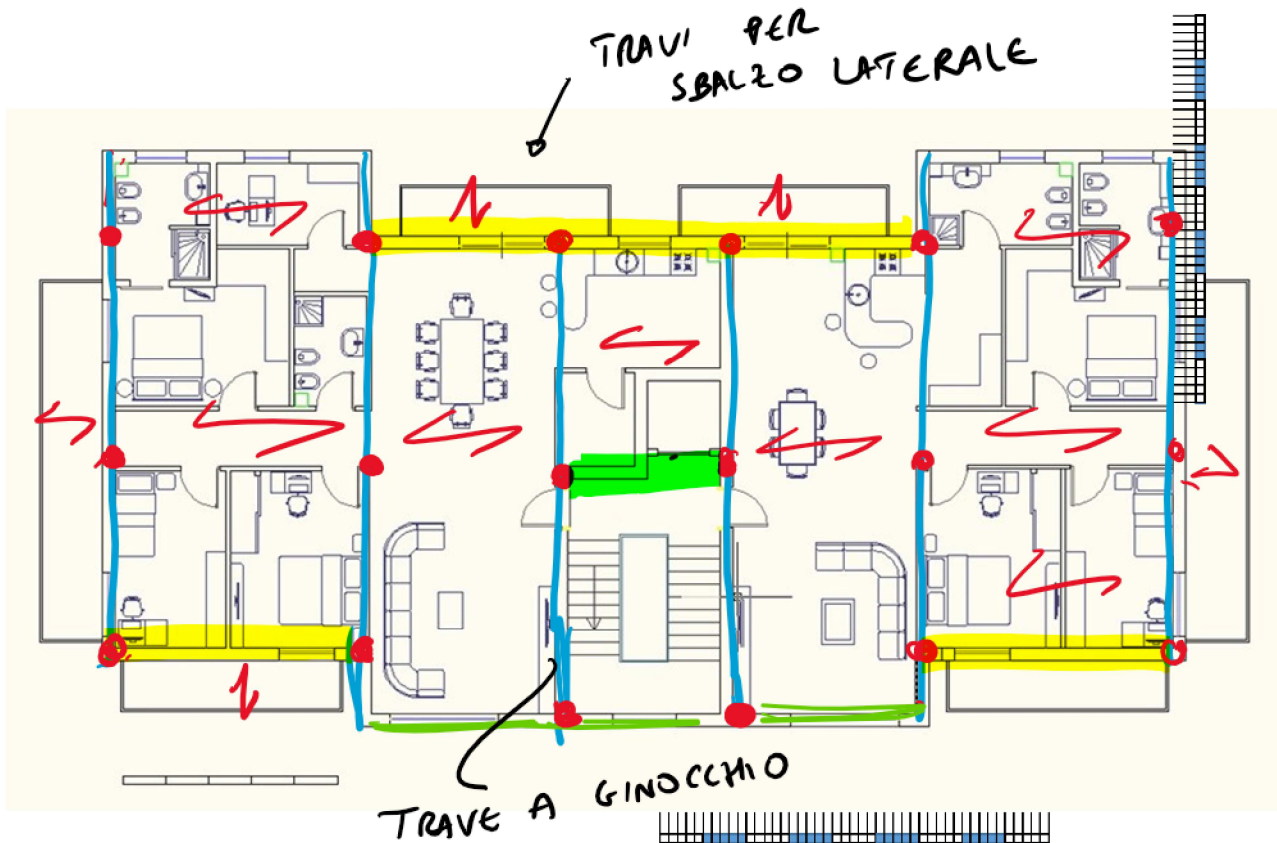
SOLUZIONE NON BUONA

SBALEZZO LATERALE



~~TRAVE A SPESSORE CARICATA~~
~~TROPPO LUNGA~~





PER AVERE SOLETTA
RAMPANTE AGGIUNGO



PIANTA PROGETTO SVOLTO IN AULA

giovedì 19 marzo 2020

17:58

