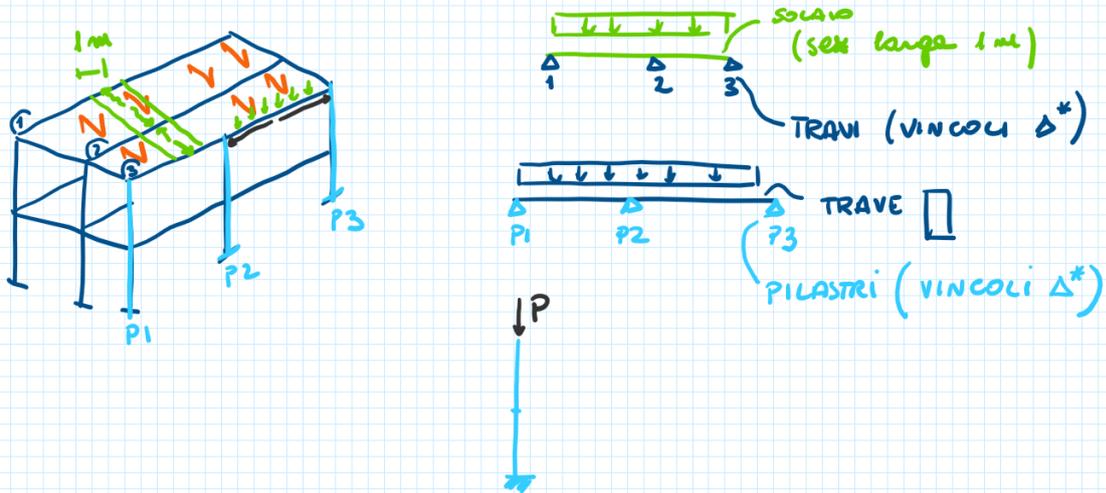


PROG. EDIFICIO RESIDENZIALE - 6 PIANI

EDIFICIO IN C.A. → STRUT. MONOLITICA → FORTEMENTE IPERSTATICA

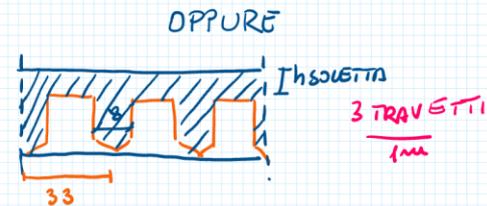
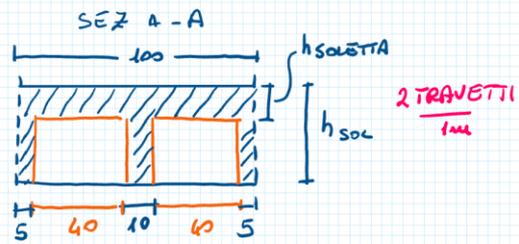
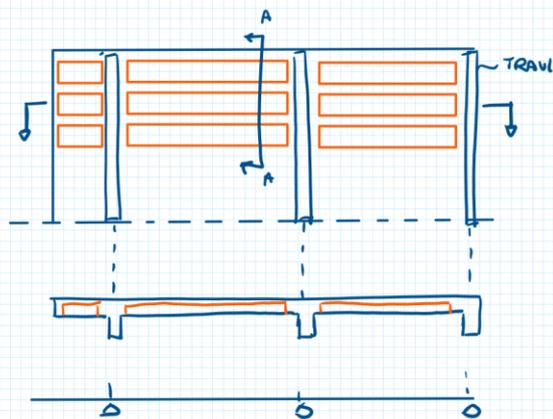


SOLAIO

SOLAIO MONODIMENSIONALE IN LATEROCEMENTO



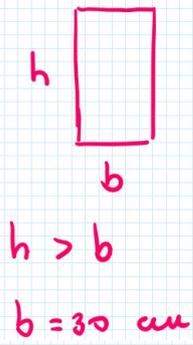
SOLAIO = TRAVETTI + SOLETTA + PIGNATIE
↓
ALLEGGERIMENTO



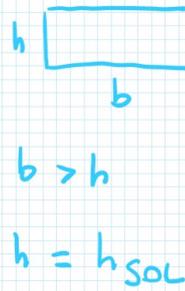
TRAVI



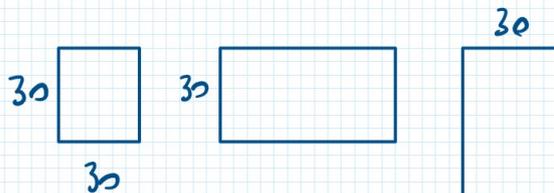
TRAVI EMERGENTI



TRAVI A SPESSORE



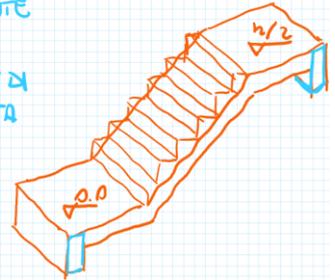
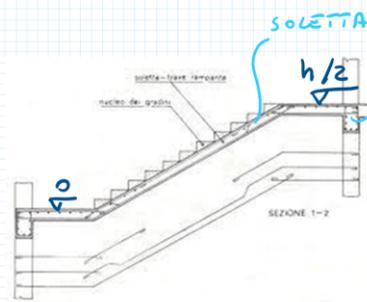
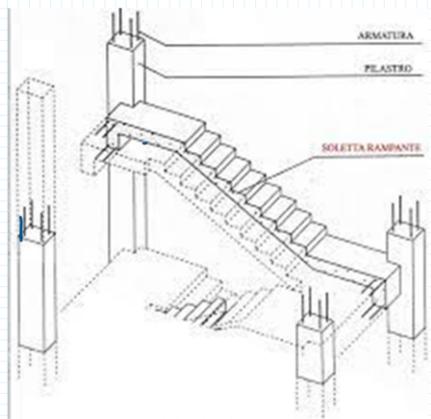
PILASTRI



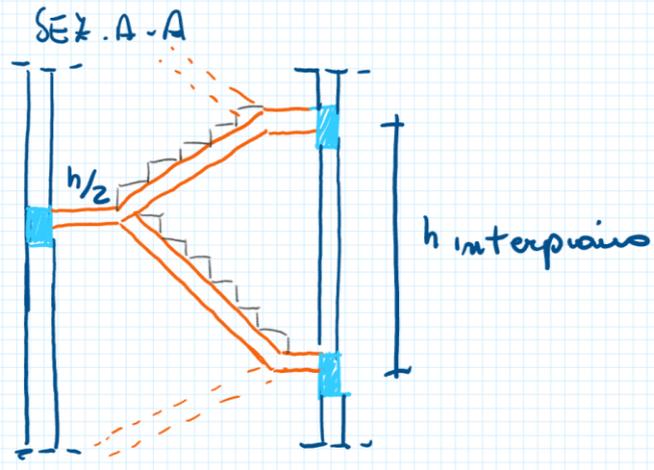
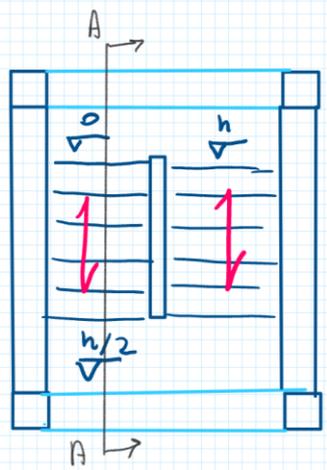
SCALE

- 1) SCALA A SOLETTA RAMPANTE
- 2) SCALA CON TRAVE A GINOCCHIO
- 3) SCALA ALLA GILIBERTI (ZONA SISMICA)

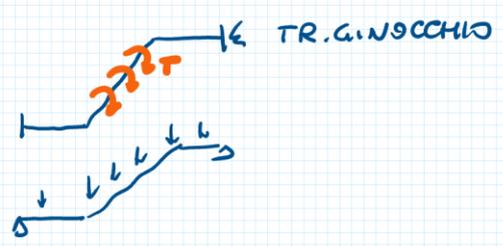
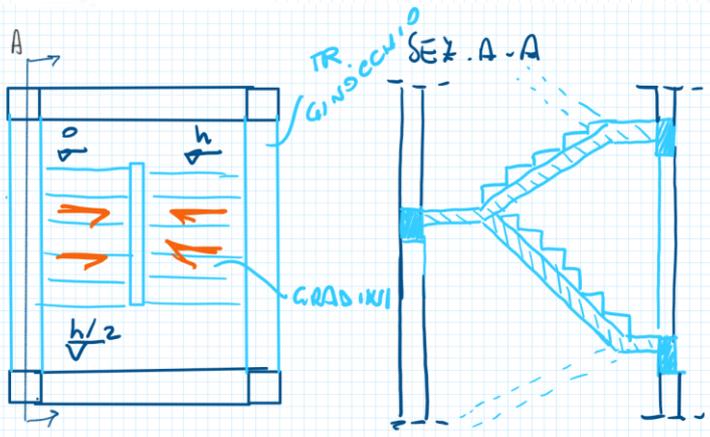
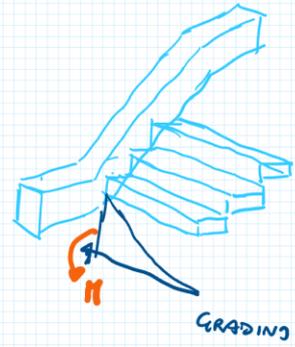
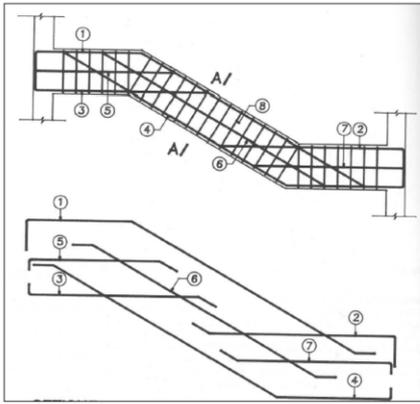
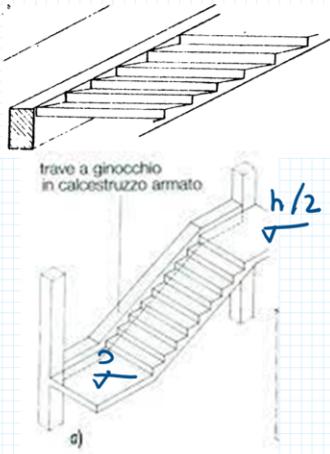
SCALA A SOLETTA RAMPANTE



SOLETTA → PORTANTE
GRADINI → CARICO

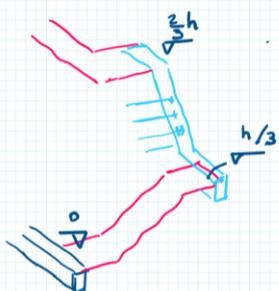
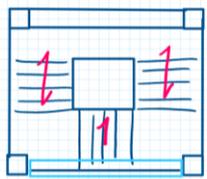


SCALA CON TRAVE A GINOCCHIO

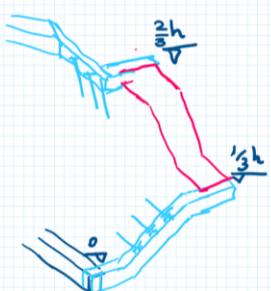
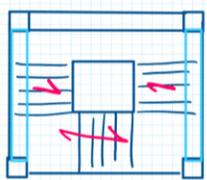


SCALE A 3 RAMPE

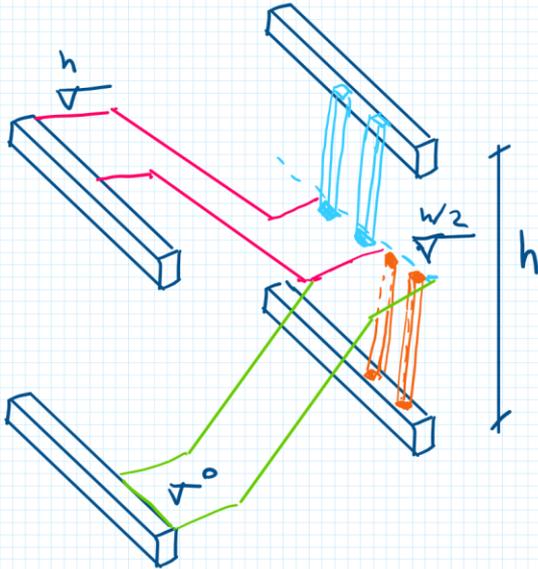
1) 2 SOLETTI RAMPANTI + 1 TRAVE A GINOCCHIO



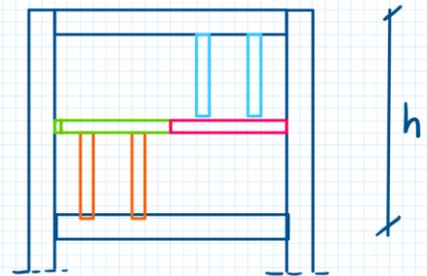
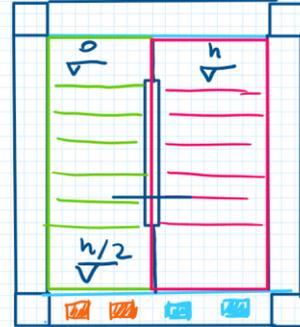
2) 2 TRAVI A GINOCCHIO + 1 SOLETTA RAMPANTE



SCALA ALLA GILIBERTI

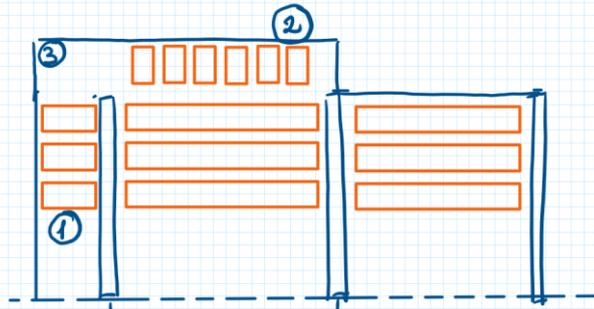


LE DUE RAMPE SONO "SEPARATE"
 I PIANI NON COLLEGATI TRA LORO

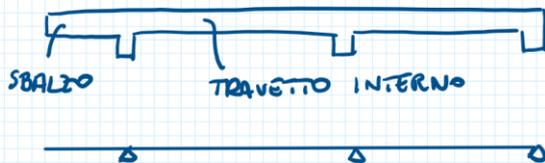


SBALZI

SBALZI ← IN PROSECUZIONE ①
 LATERALI ②
 D'ANGOLO ③



SBALZO IN PROSECUZIONE



SBALZO LATERALE

Sbalzo laterale

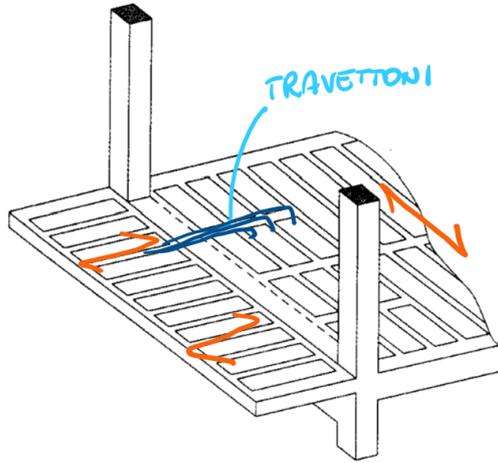
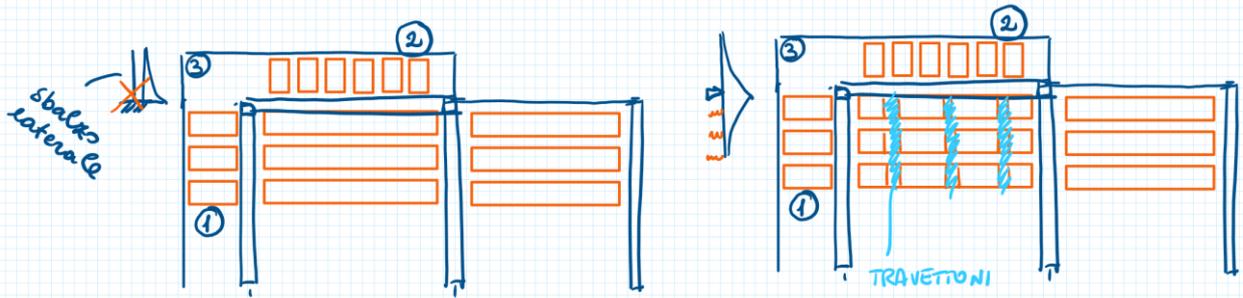
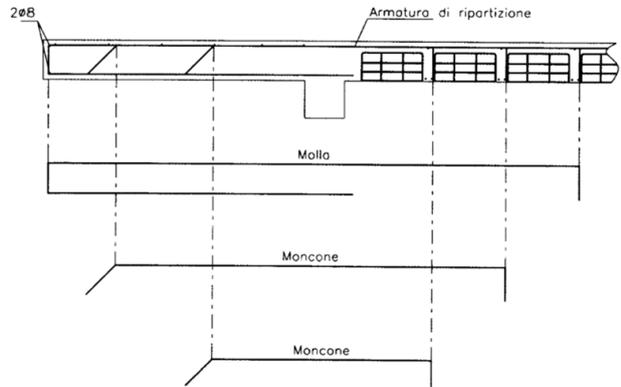
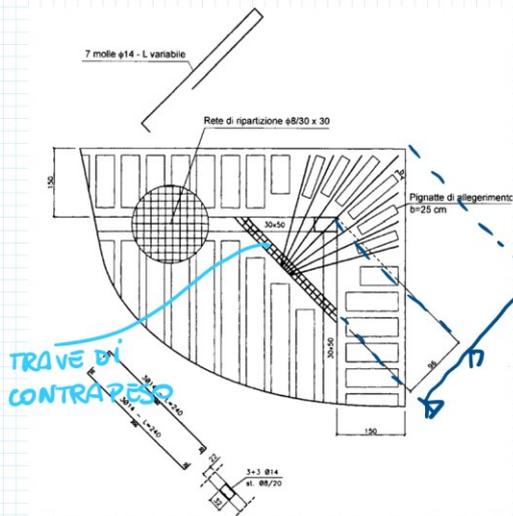


Fig. 1.61

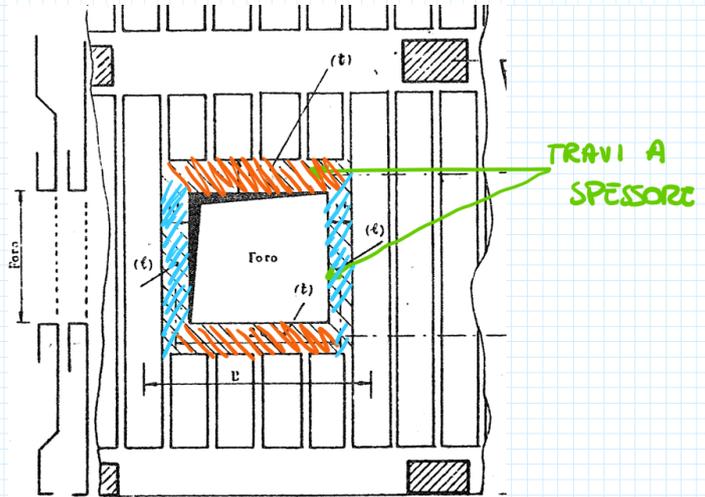
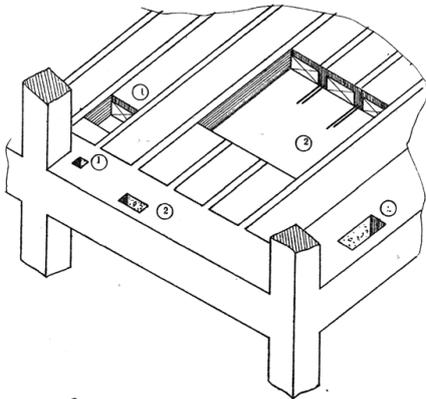
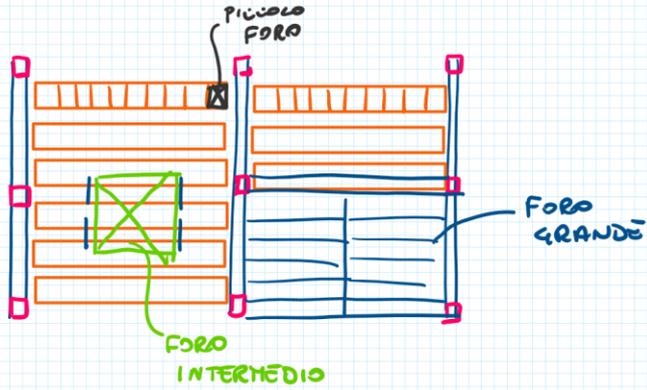


SBALZO D'ANGOLO



FORI

- FORI
 - PICCOLI → ES. CAVEDI
 - INTERMEDI → ES. ASCENSORI
 - GRANDI → ES. VANO SCALA



IMPOSTAZIONE DELLA CARPENTERIA

$L_{SOLAIO} \leq 6.0 \text{ m}$

$L_{TR. EM} \leq 5 \div 5.5 \text{ m}$

$L_{TR. SPES} \leq 4.0 \text{ m}$

$L_{SBALZO} \leq 2.0 \text{ m}$

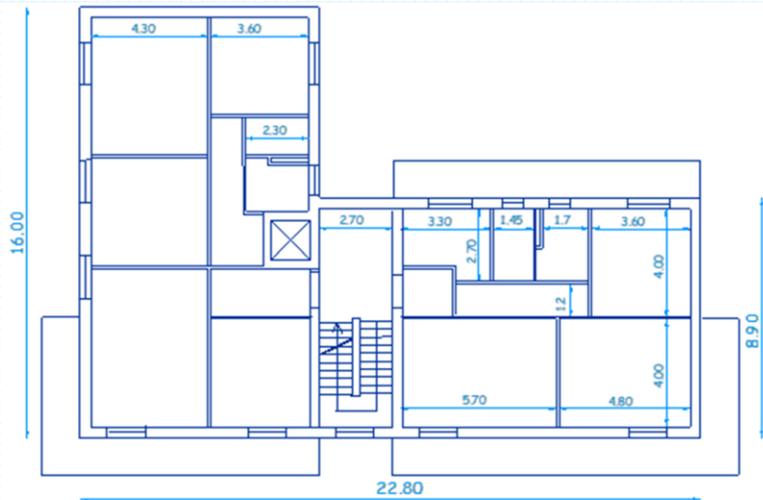
— TR. EMERGENTI

↘ SOLAI

— TR. CHIUSURA

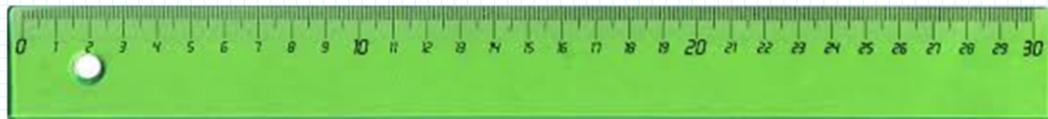
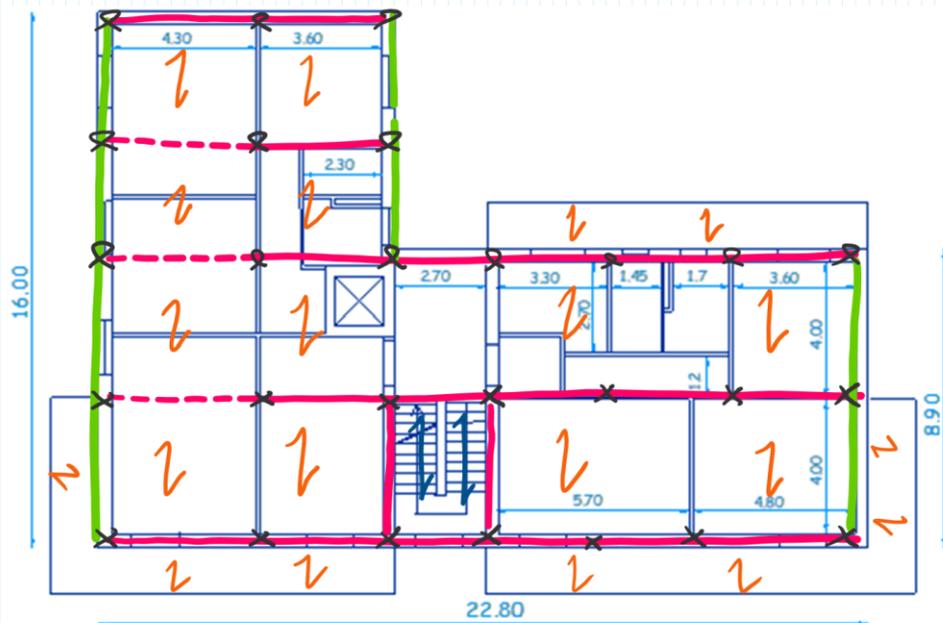
X PILASTRI

---- TR. SPESSORE



Hp. 1: Allineamenti orizz

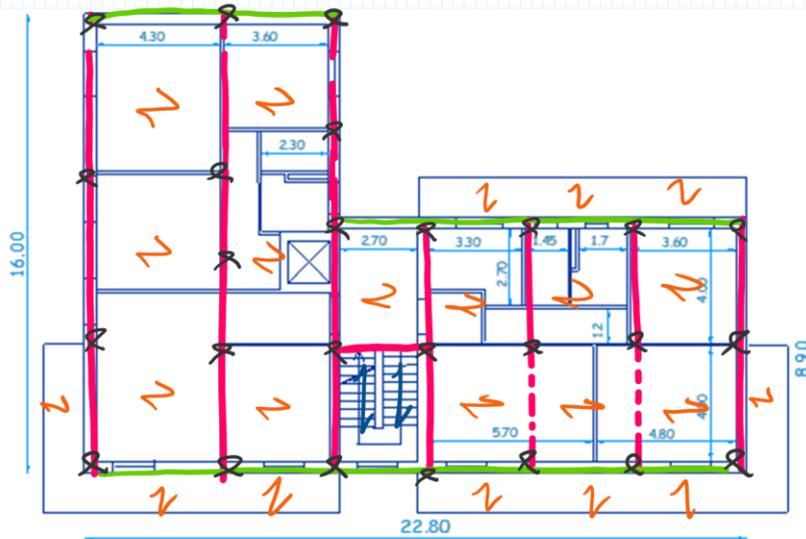
funzione bene a destra
tran a spess. lunghe



Hp. 2: allineamenti verticali

funziona bene a sinistra

=> travi a spessore lunghe
prevalenze sbalzi laterali



Hp. 3: allineamenti misti

(nel mio caso) e' la
soluzione migliore

