

TAVOLE

Titolo nota

23/01/2013

— $\frac{1}{2}$ Trave reticolare (1 o 2 tavole)

singoli elementi (profili e piatti)

assemblaggio della $\frac{1}{2}$ Trave

— vista d'insieme (Tavola o parte di Tavola)

— colonne - Travi ecc. (Tavola o parte di tavola)

singoli elementi : colonne + piatti

loro assemblaggio per costituire l'elemento

— assemblaggio di

colonna, Trave reticolare, Travi second.,
controventi e aste del telaio long.

Cons. di laurea spec./mag. in
Ingeg. Ed. - Arch.

docente:
A.G.

formato A4



UNIVERSITA' DI CATANIA
~~FACOLTA' DI INGEGNERIA~~
DIPARTIMENTO DI ~~ARCHITETTURA E URBANISTICA~~

ING. CIV. AMB.

CORSO DI TECNICA DELLE COSTRUZIONI I

Anno Accademico ~~2009/2010~~ 2012/13

CAPPANNOSE

OGGETTO: PROGETTO DI UNA COPERTURA IN ACCIAIO PER
UNA SALA LETTURA

TAV. 1 - - -

~~CARPENTERIA COPERTURA IN ACCIAIO E PARTICOLARI~~

Abaco est
Abaco piastre
Computo metallico

Scala 1:5
Scala 1:5

MATERIALI UTILIZZATI

Acciaio S235
Bulloni M12; classe 4.6
Bulloni M16; classe 5.8

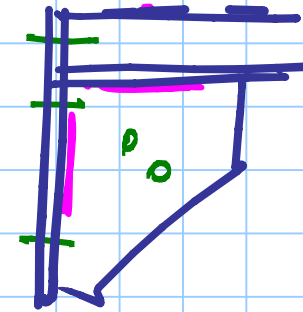
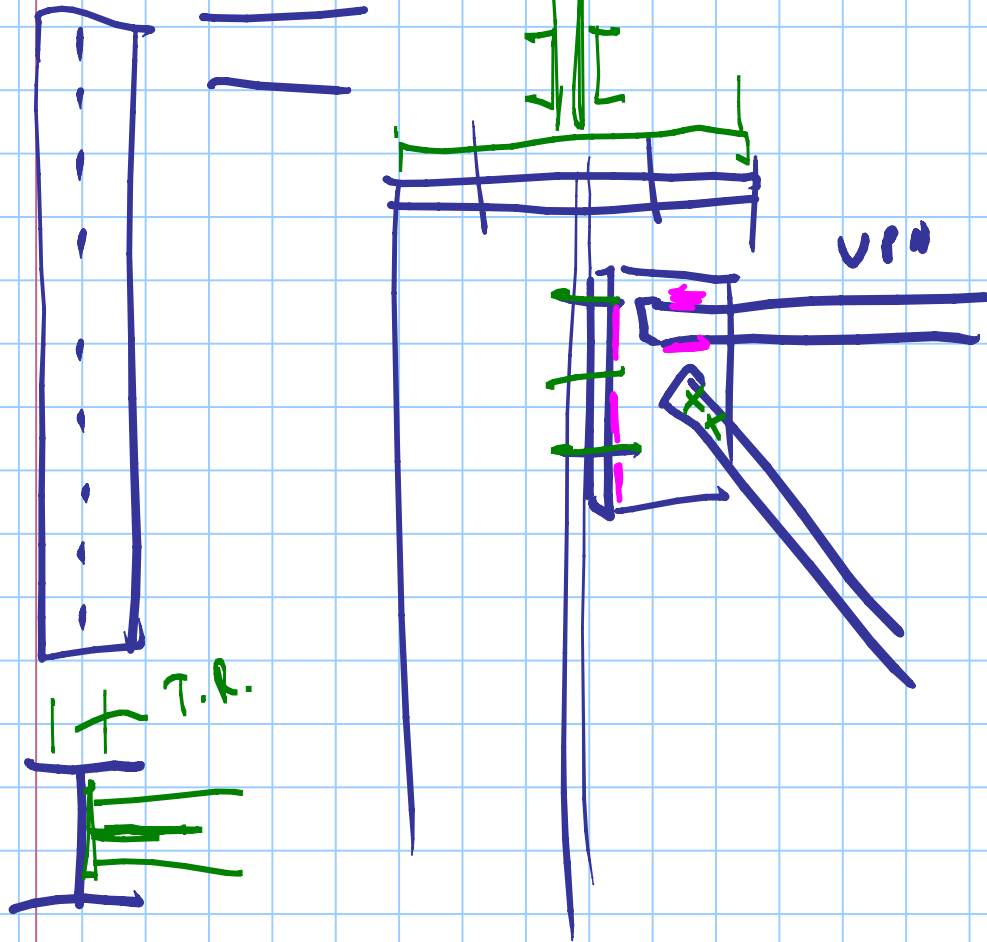
REVISORE:

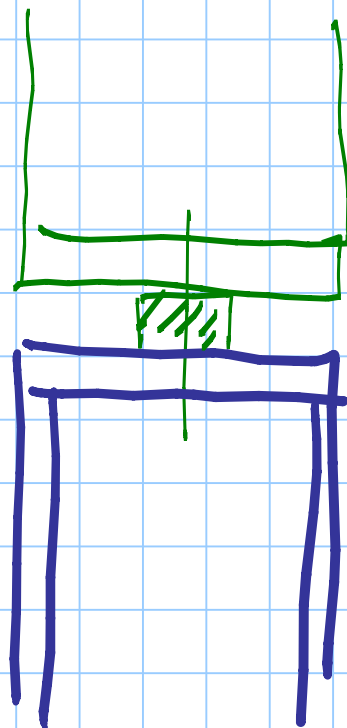
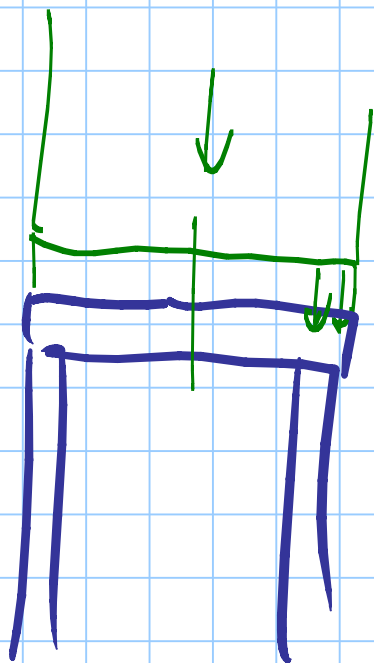
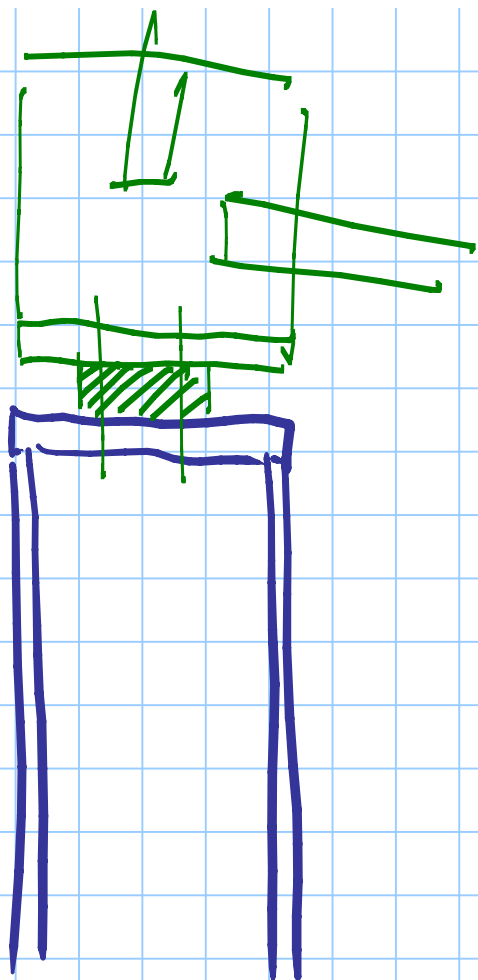
~~DOCENTE: Prof. Ing. E. Marino~~

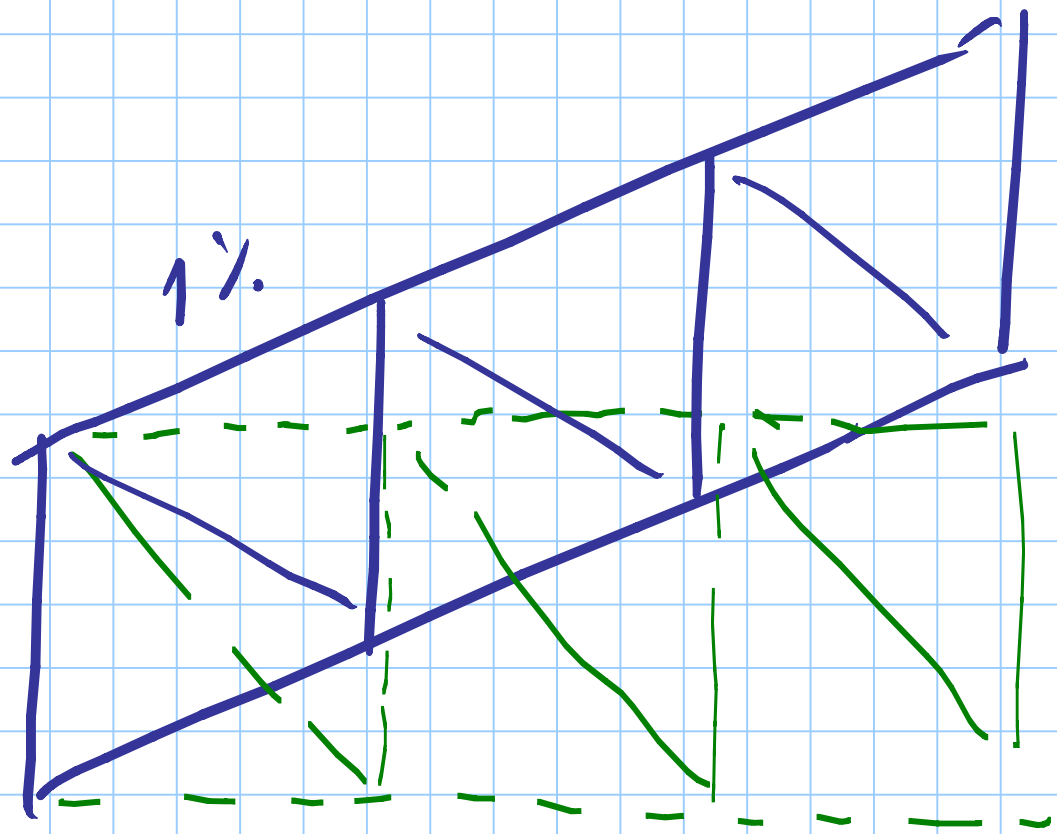
ALLIEVO: Raglanda Andrea Nicolas

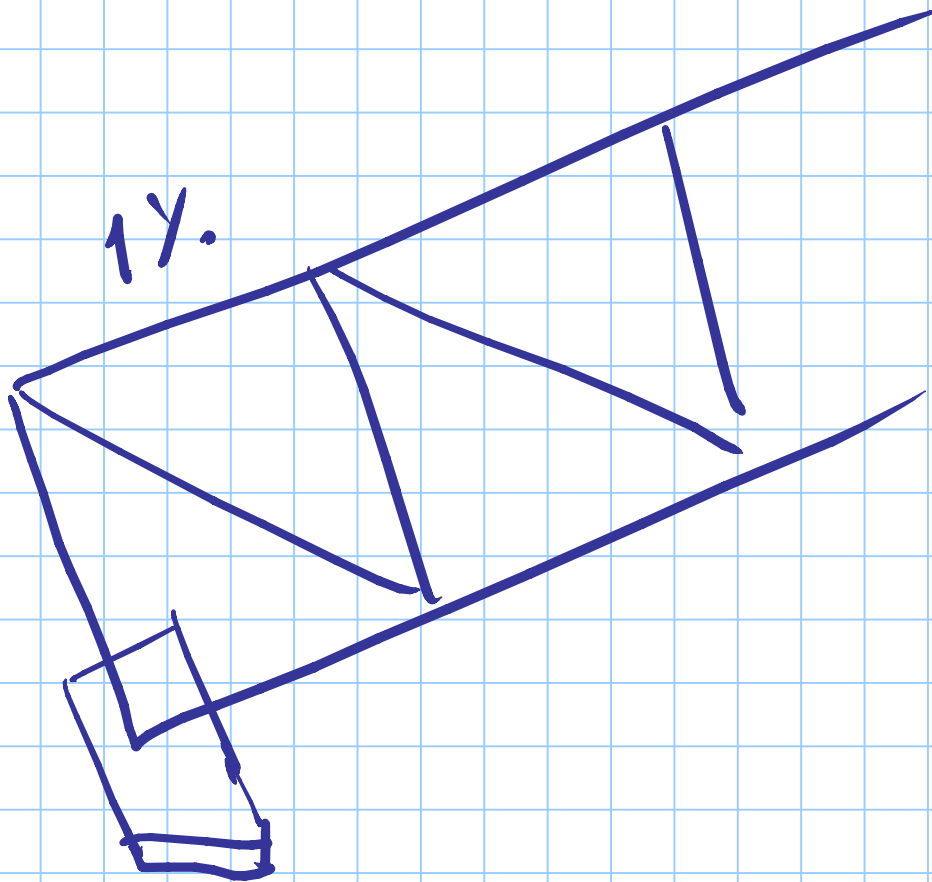
spec. per piano

TRA. RES.





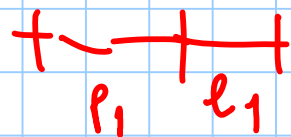
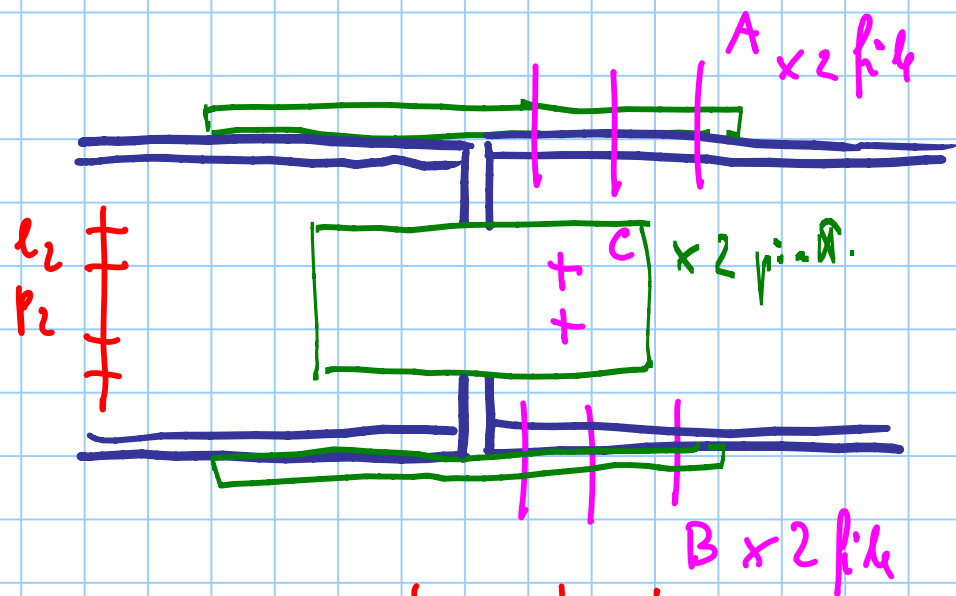


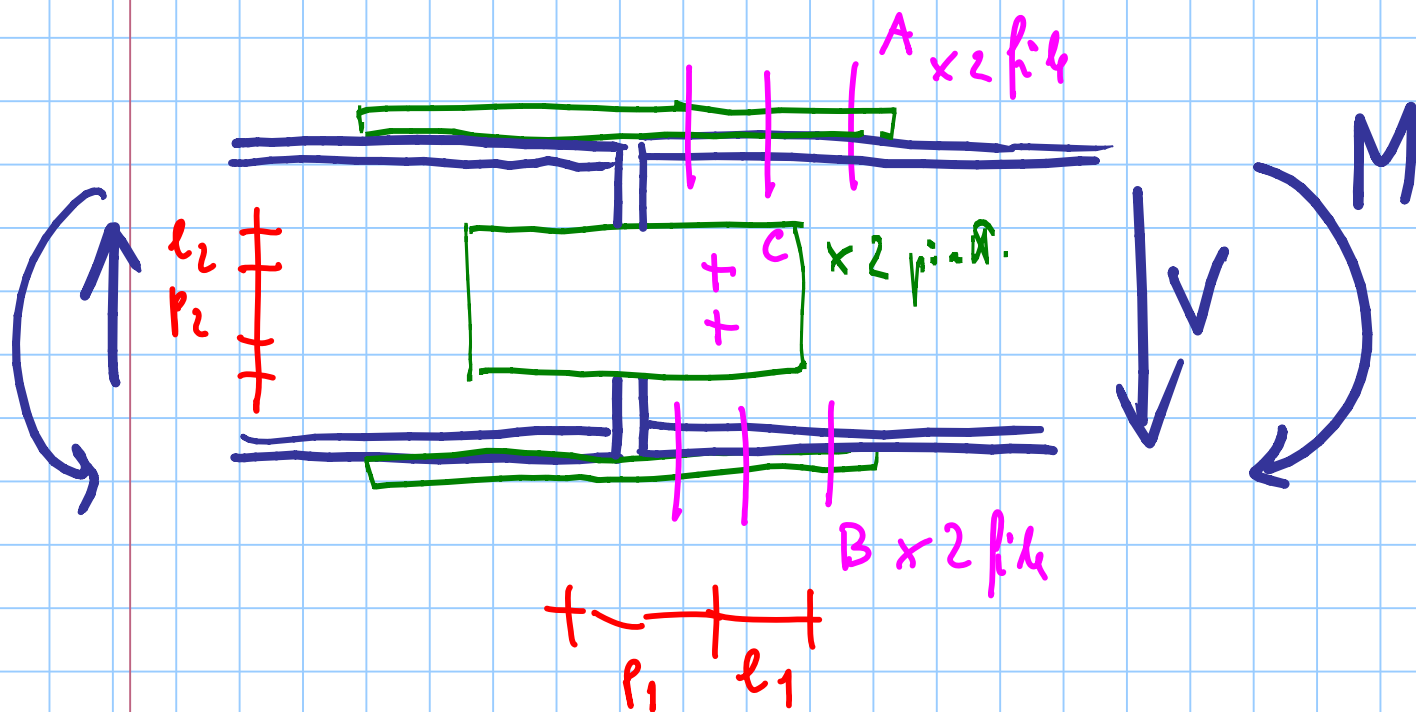


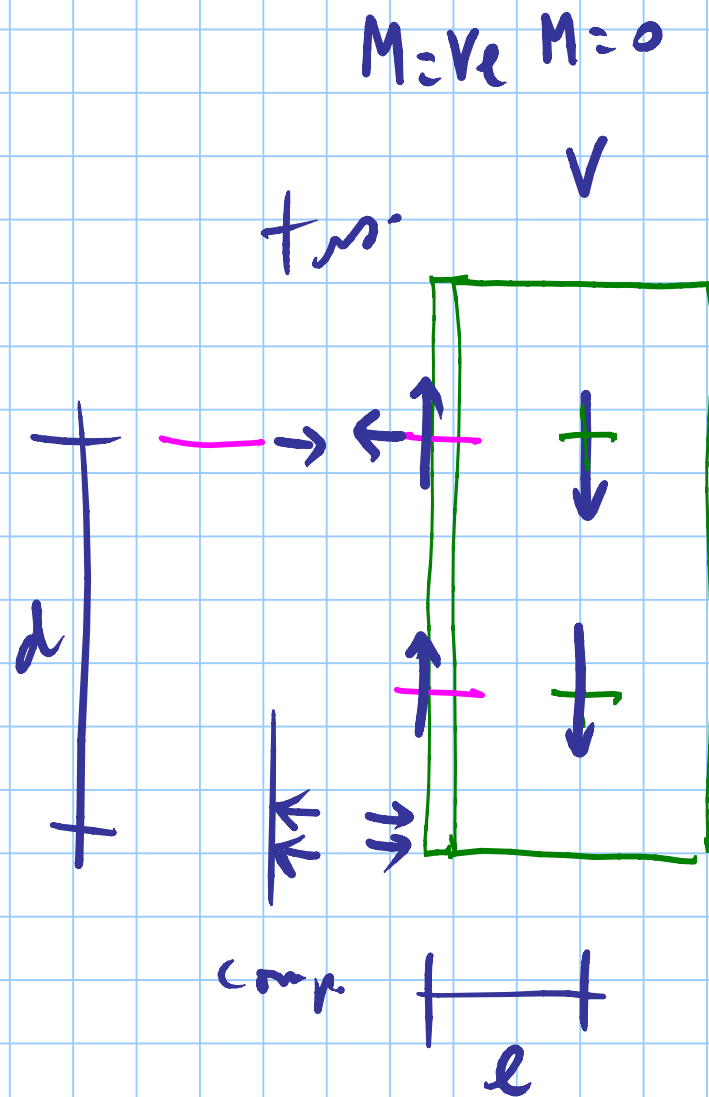
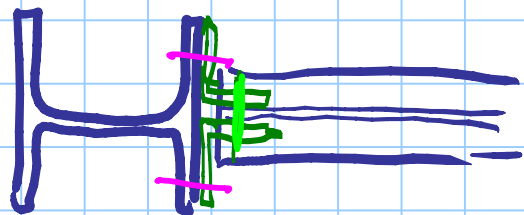
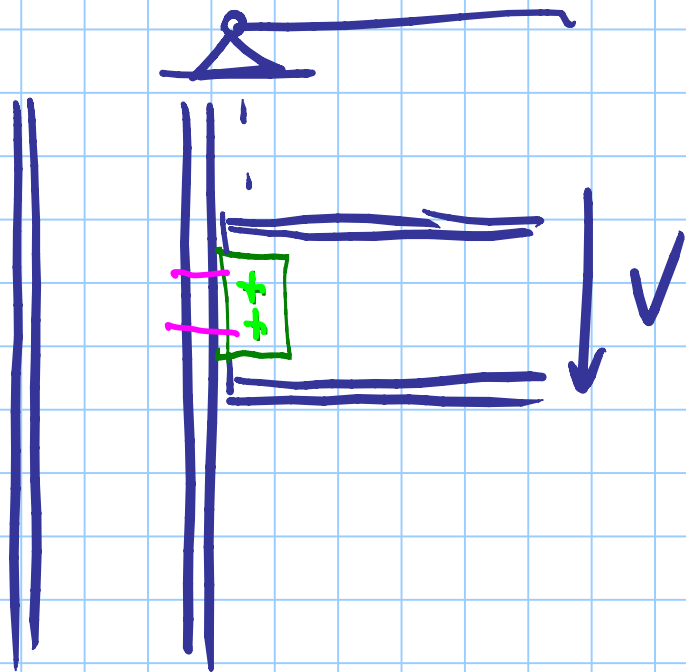
1Y.

Fuori

Scala

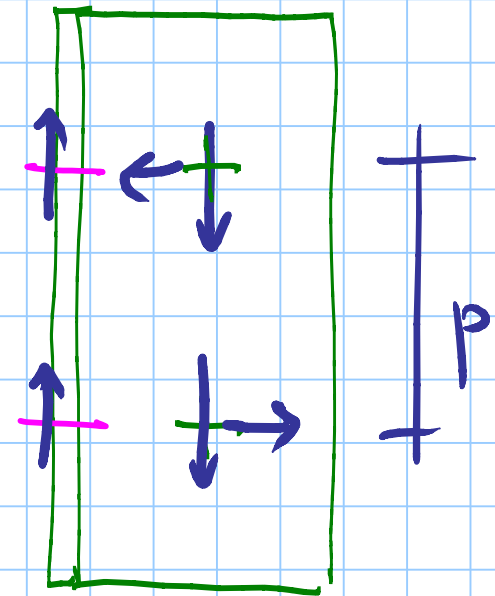




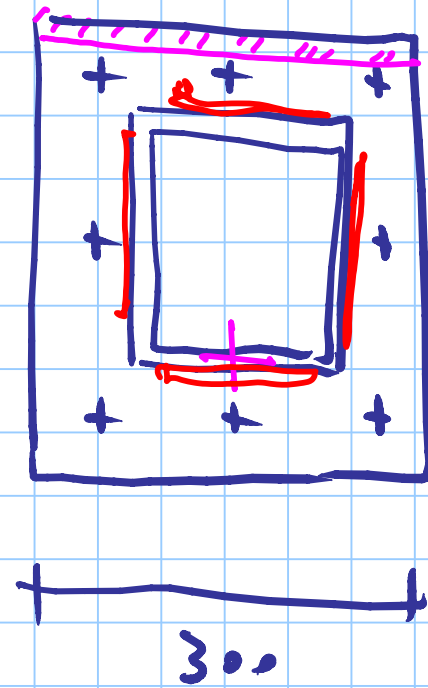
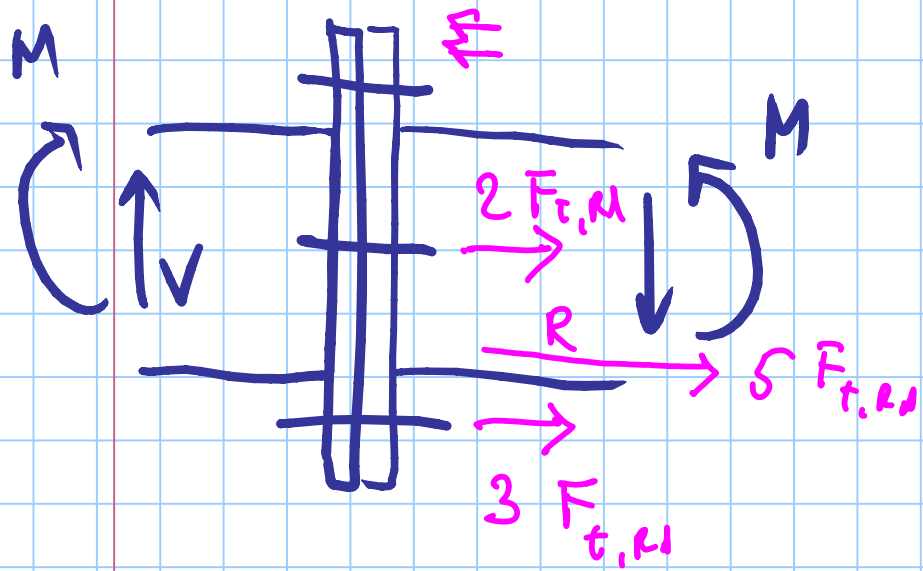


$$M = 0 \quad M = V e$$

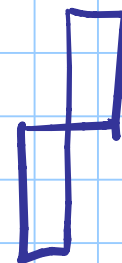
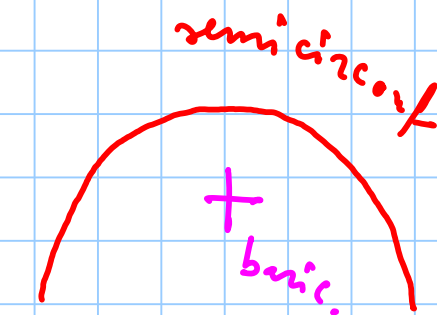
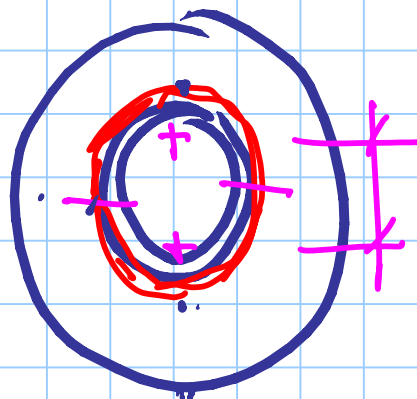
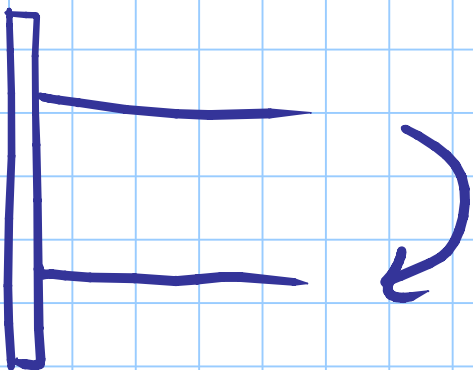
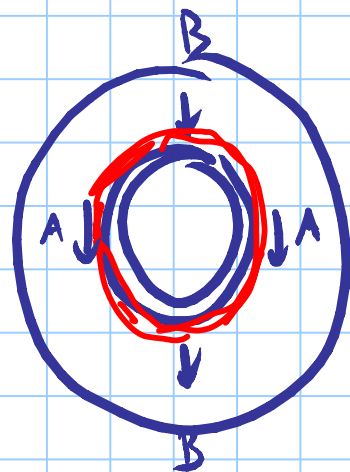
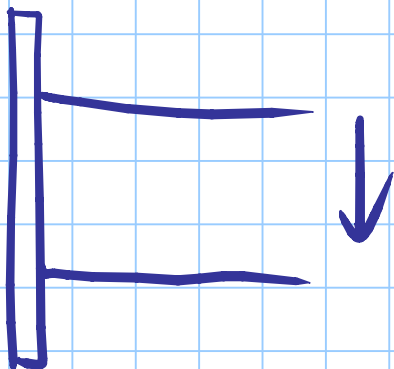
V

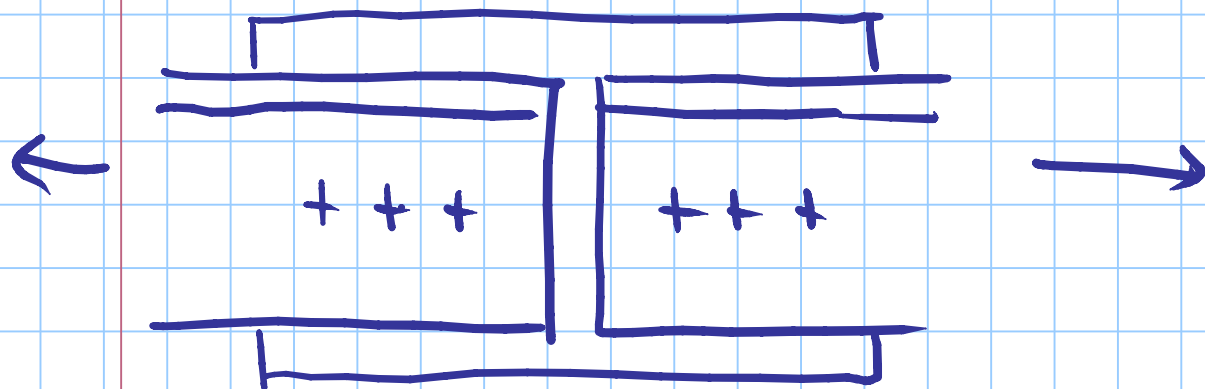


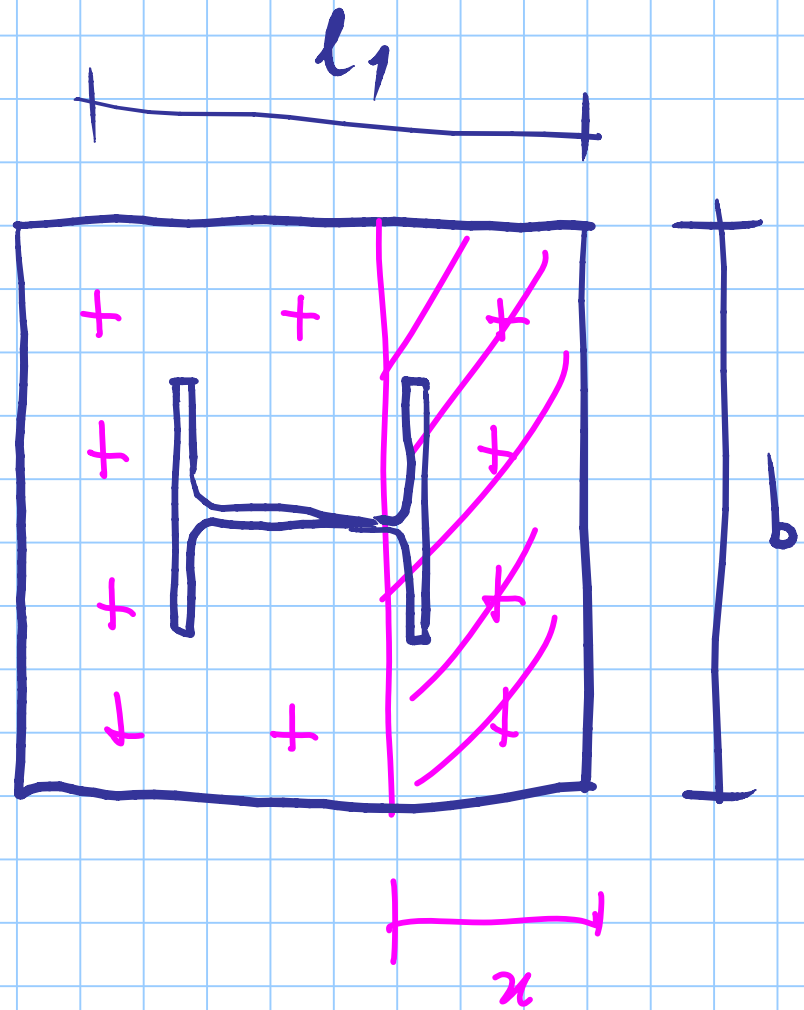
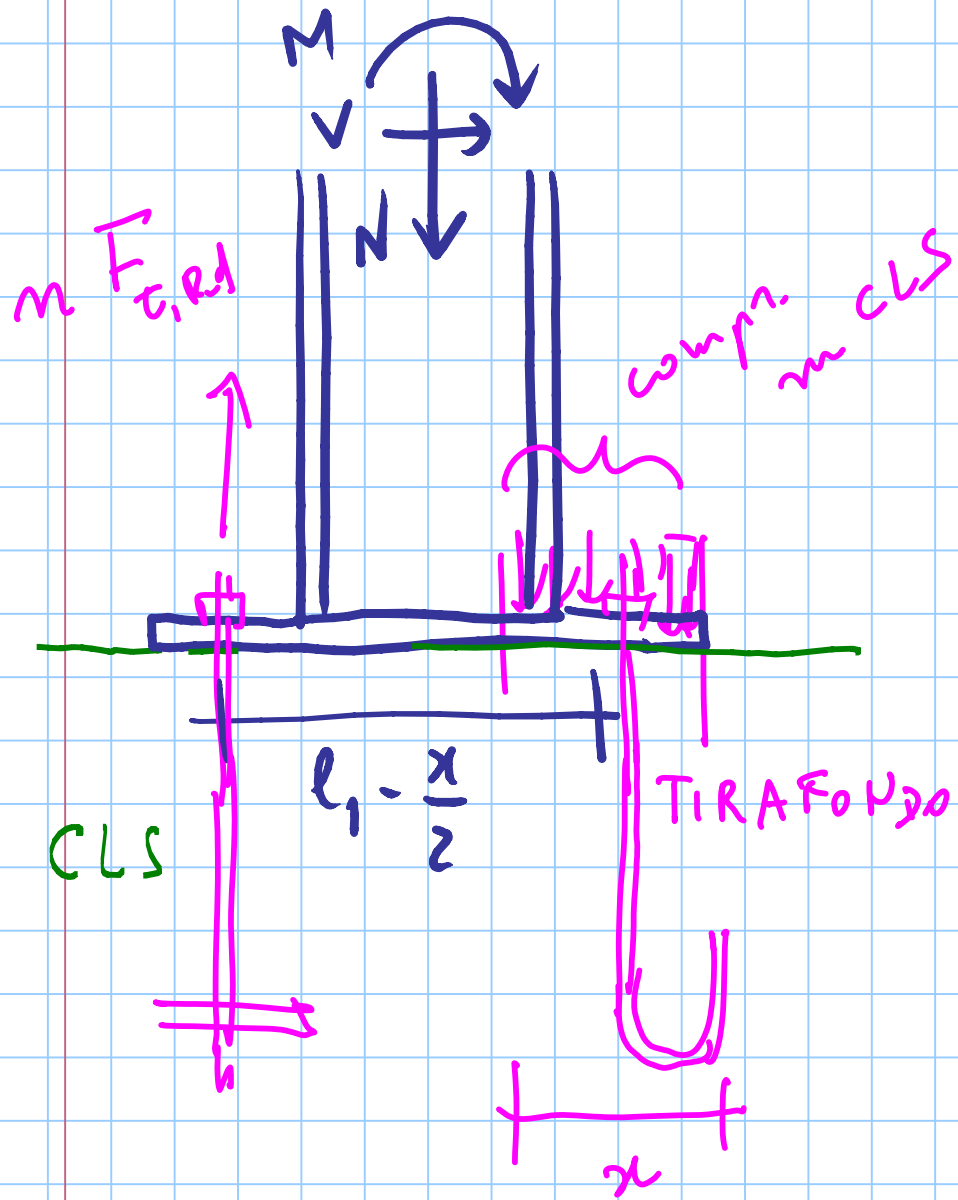
e



$$\begin{aligned}
 & 300 \\
 & 120 \\
 & 120 \\
 & 72 \\
 & \frac{2}{5} \times 120 = 48 \text{ mm}
 \end{aligned}$$







$$n F_{t,rd} = b \times f_{cd} \rightarrow 14 \text{ MPa} \quad \text{eq. Trans lrs.}$$

$$n F_{t,rd} \left(1 - \frac{\alpha}{2}\right) = M_{rd} \quad \text{eq. } \sigma \cdot T \cdot \alpha \cdot n$$

