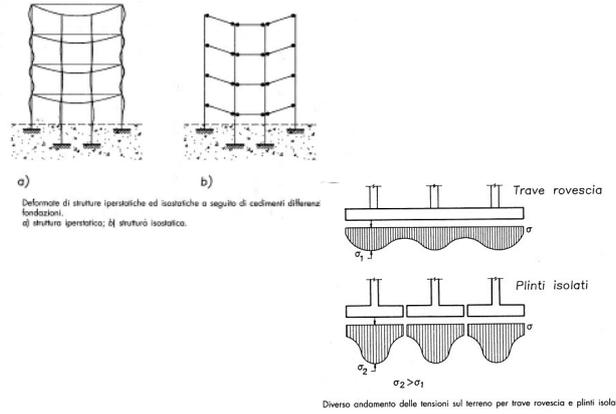


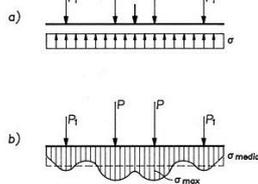
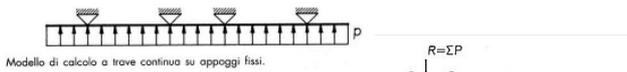
TERRINI	(KG/CM ²)
Terreni di riporto	0.5
Sabbia fine (<1 mm)	1 - 2
Sabbie grosse (1 - 3 mm)	2 - 3
Sabbia e ghiaia (almeno $\frac{1}{3}$ di ghiaia da 70 mm)	3 - 4
Argilla inconsistente	0
Argilla tenera	0.4
Argilla poco plastica	0.8
Argilla poco consistente	1.5
Argilla consistente	3
Roccia stratificata a bassa resistenza	10
Roccia di buona qualità	15
Roccia dura assai compatta	30



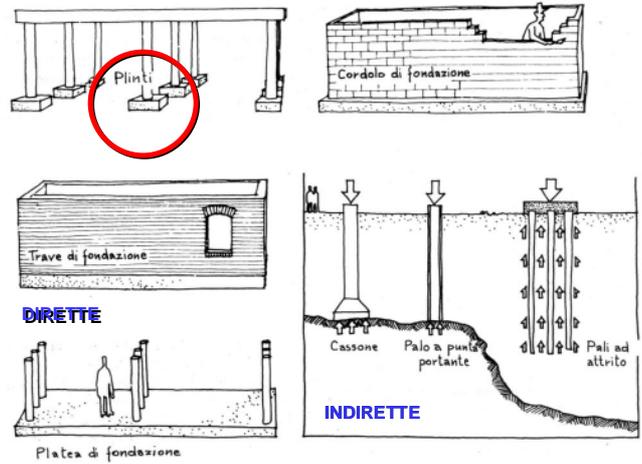
$$p = R/A$$

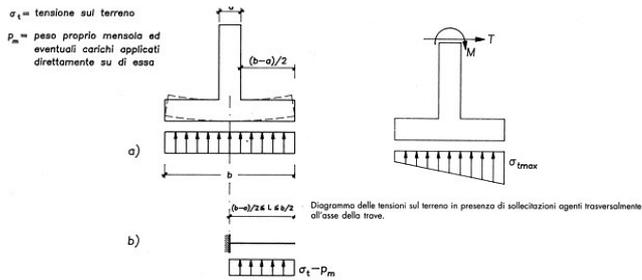
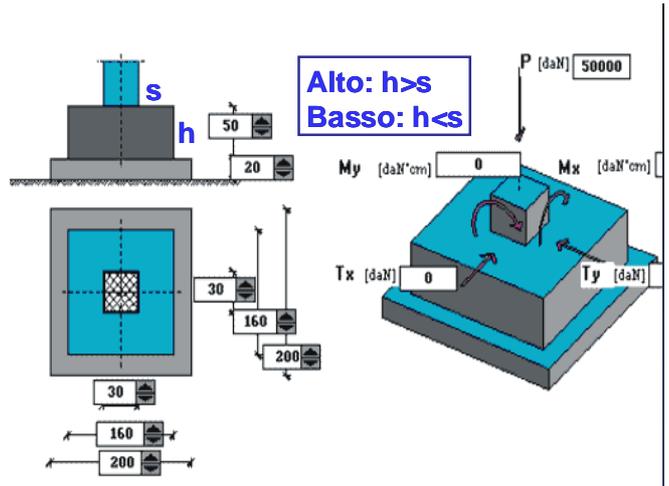
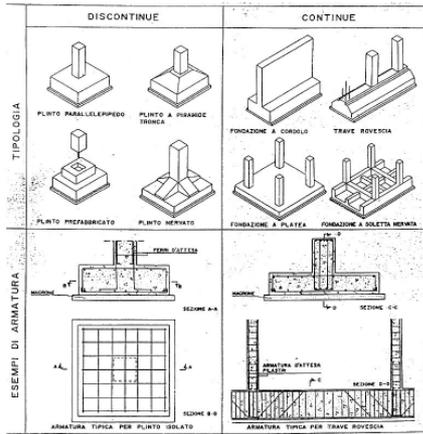
R = risultante dei carichi provenienti dall' elevazione
o meno dei carichi uniformemente ripartiti agenti
sulla trave di fondazione

A = area della superficie di contatto fondazioni-terreno

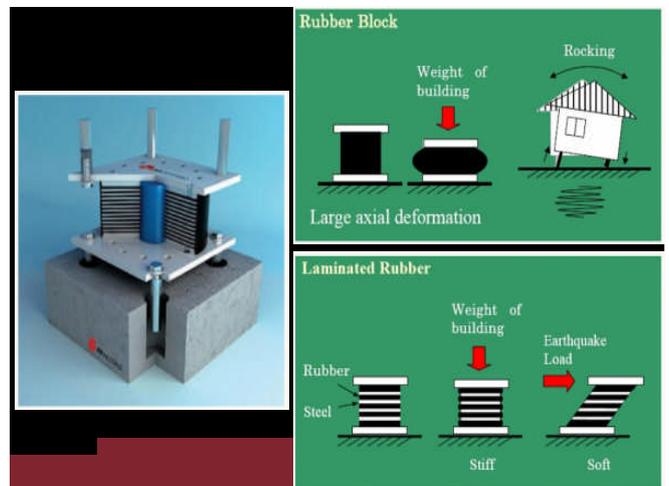
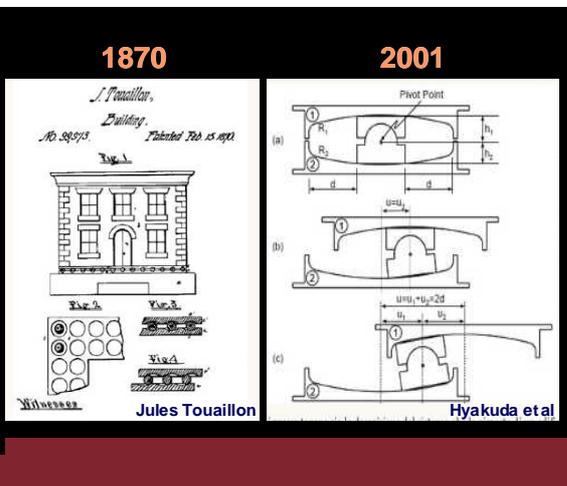
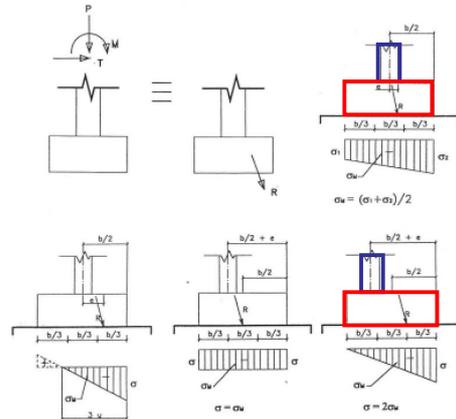


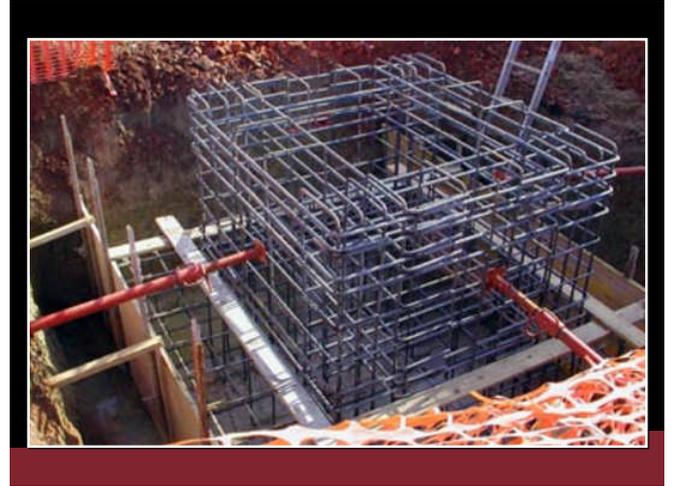
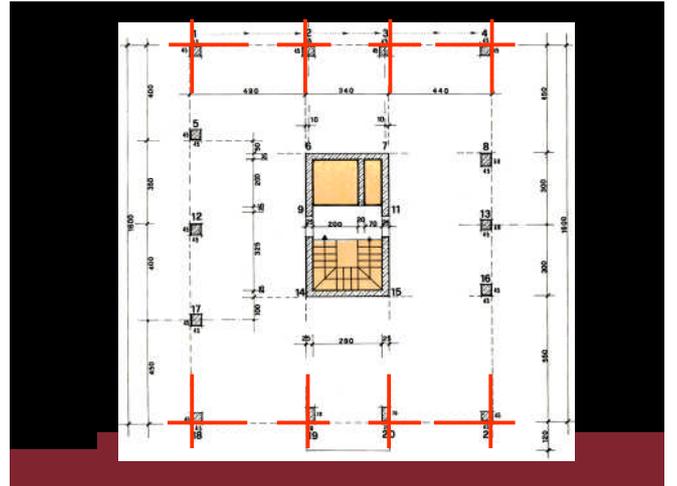
Differente andamento delle tensioni nel terreno lungo la trave in relazione al modello di calcolo adottato.
a) Trave continua infinitamente rigida; b) Trave su suolo elastico.

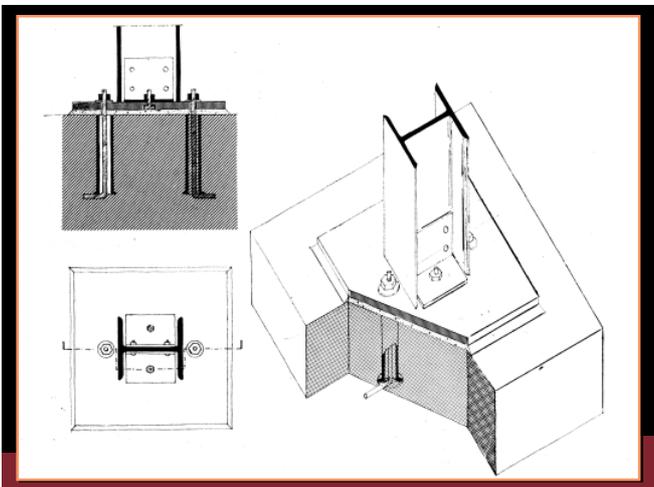


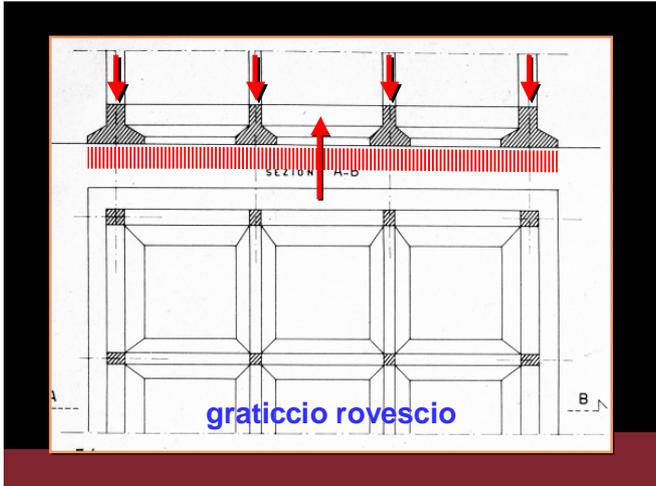


! Funzionamento trasversale - Diagramma delle pressioni e modello di calcolo.





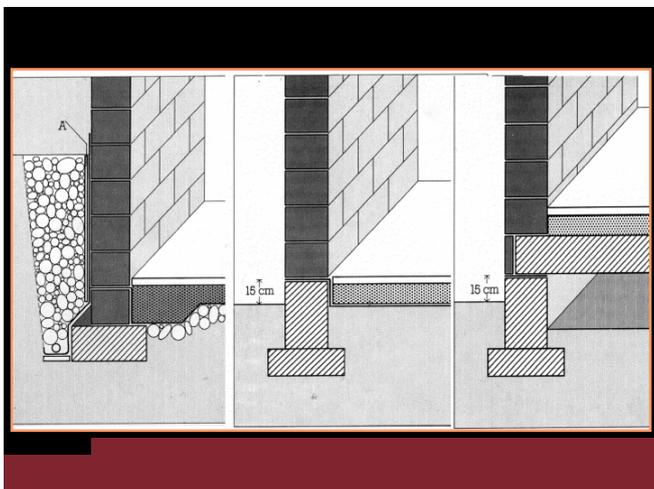
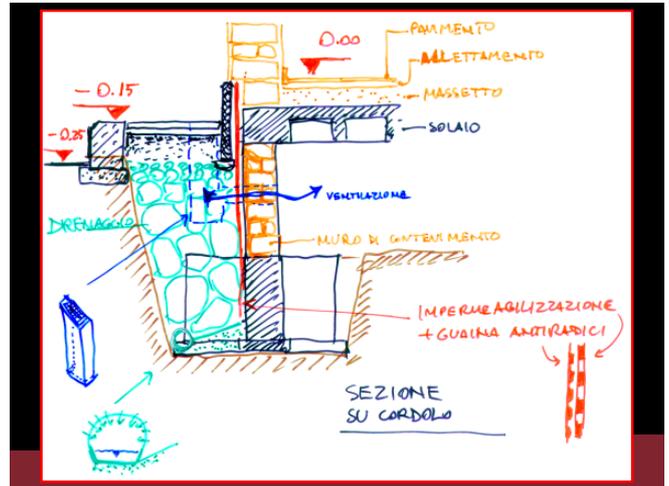


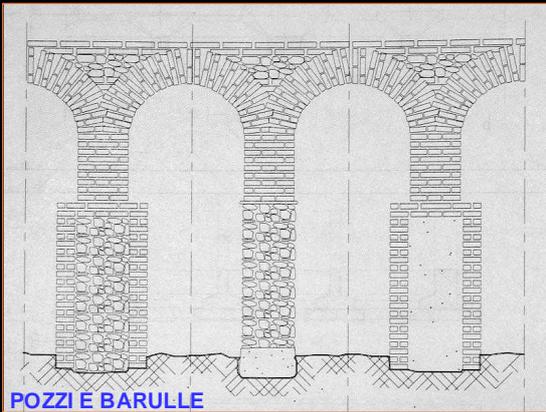




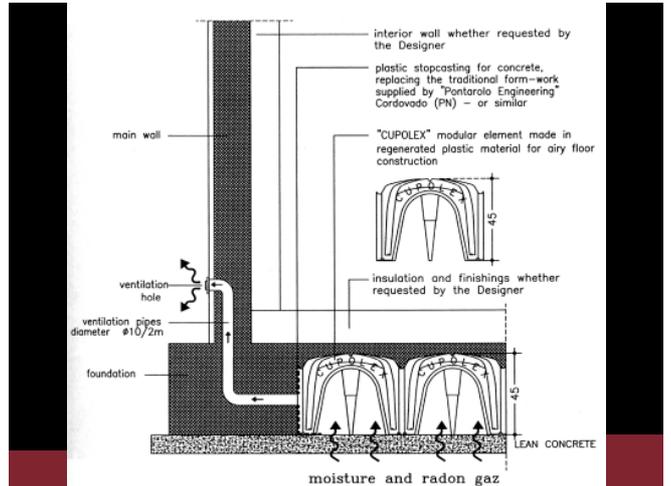
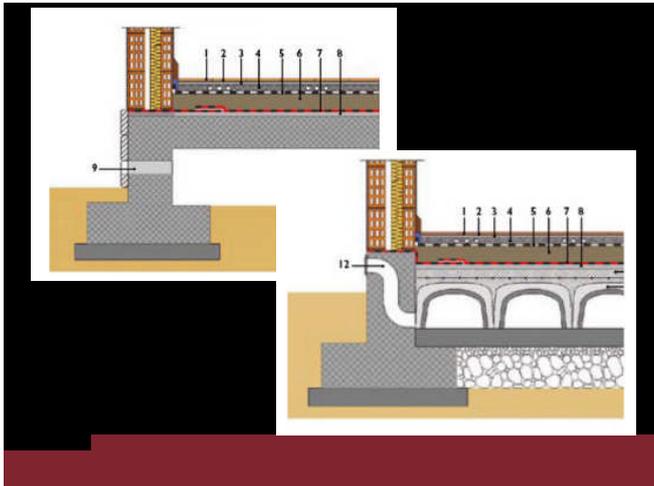
Fondazioni su pali

- Profondità anche oltre 50 m (trivellati)
 - [micropali < 15 m]
- Diametro
 - 340-600 mm (medio)
 - 800-1500 mm (grande)
 - fino a 2000 mm (eccezionale)
- [micropali 100-250 mm]





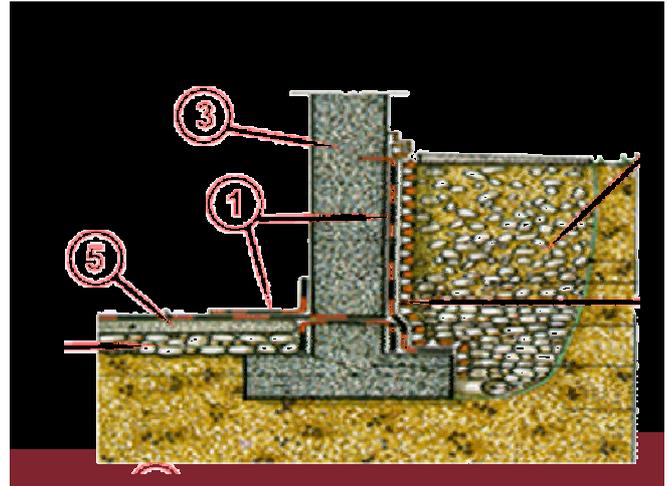
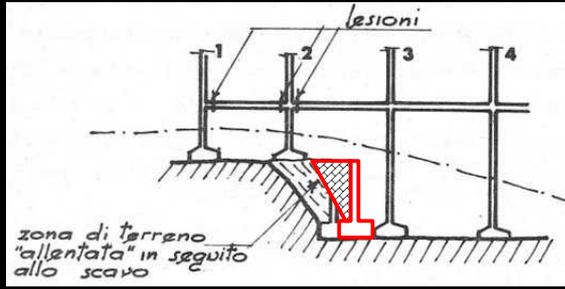
POZZI E BARULLE



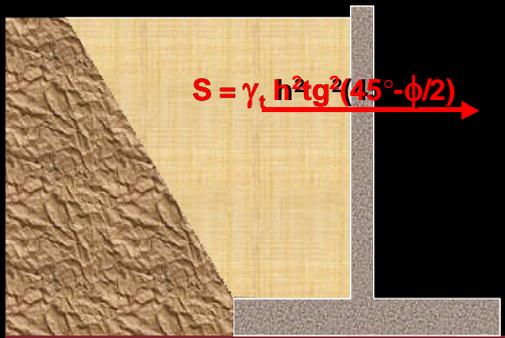
Muri di sostegno

calendario prossime lezioni

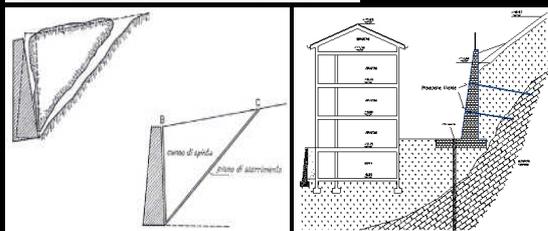
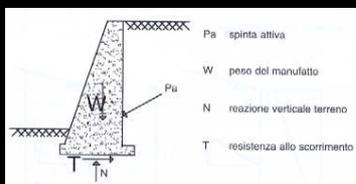
- lun 26.03 lezione 1 ora
(terreno + sistema edilizio)
- mer 28.03 non c'è lezione
- lun 02.04 confronto su progetti definitivi (14.30)
- mer 04.04 lezione 2 ore
(sistema edilizio e controllo prestaz.)
- lun 23.04 lezione e laboratorio (no ponte?)
(rappresentazione)
- mer 25.04 vacanza
- lun 30.04 ponte?



muro di sostegno



TERRENI	ϕ (°)
Pietrame	40 - 45
Ghiaia	30 - 40
Sabbia grossa	30 - 35
Sabbia fine	25 - 35
Sabbia argillosa	25 - 30
Terreno vegetale	15 - 25
Argilla	10 - 25
Limi	15 - 30



Elemento	Profondità (m)	Altezza (m)	Larghezza (m)	γ	Forza	Braccio	Momento	Stab/Rib
1	1,00	2,50	0,40	2500	2500	0,50	1250	Stab
2	1,00	0,4	1,80	2500	1800	0,90	1620	Stab
3	1,00	2,5	1,00	1800	4500	1,30	5850	Stab
4	1,00	0,40	1,00	1800	360	1,46	526	Stab
Stx	St cos δ	3034 cos10°			2968	0,93	2779	Rib
Sly	St sen δ	3034 sen10°			527	0,60	316	Stab
Srx	Sr cos δ	1204 cos10°			1196	1,40	1680	Rib
Sry	Sr sen δ	1204 sen10°			209	0,60	125	Stab

