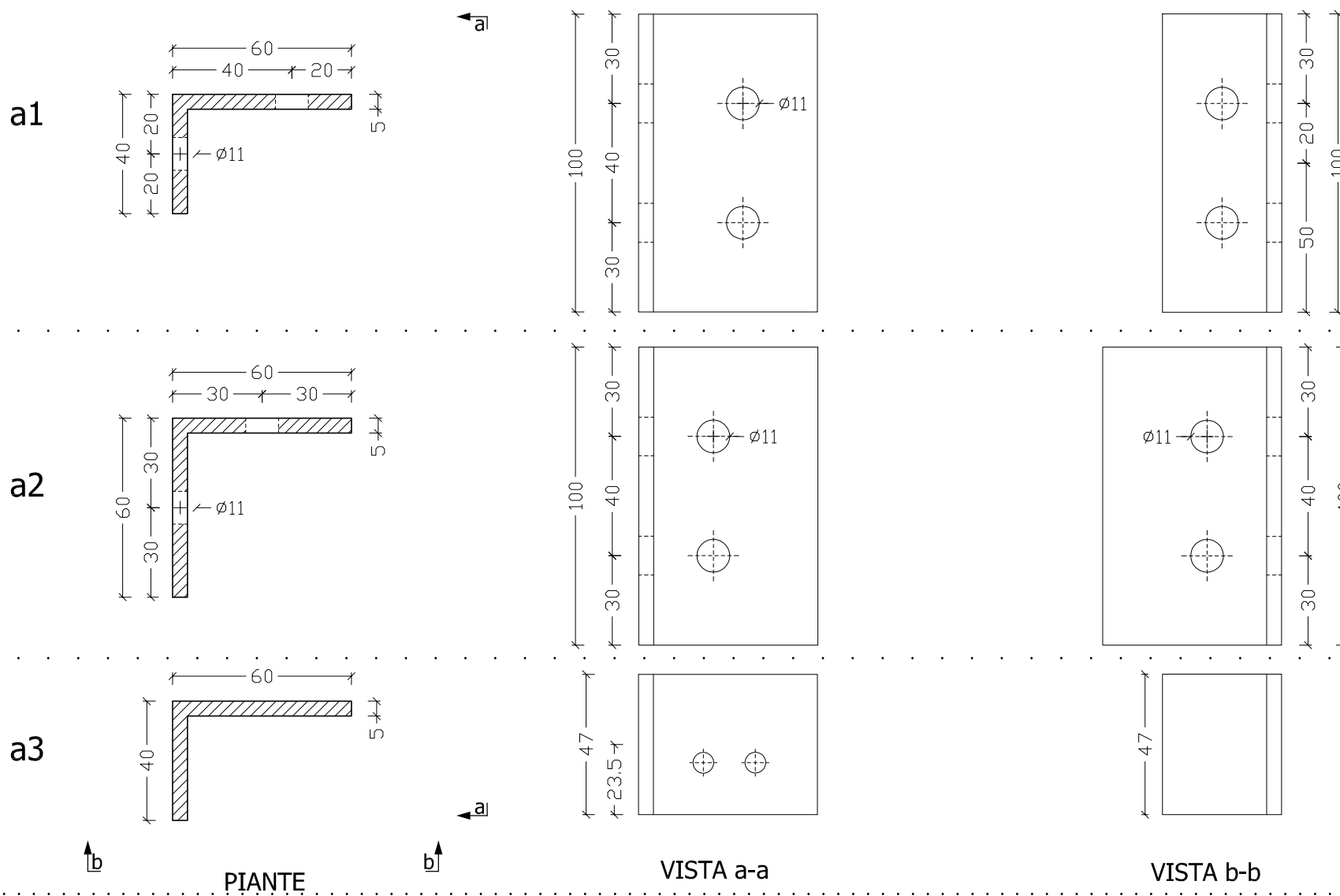
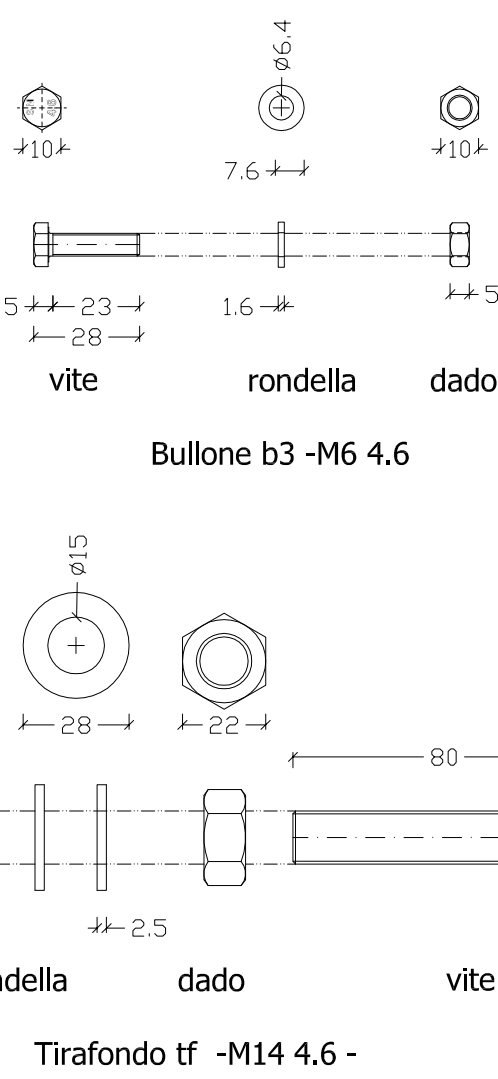
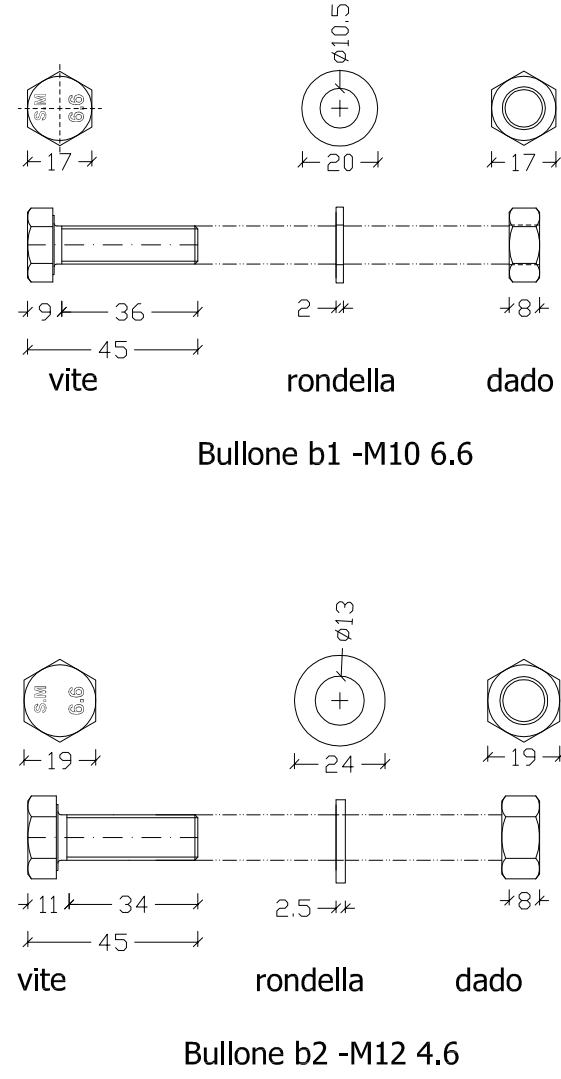


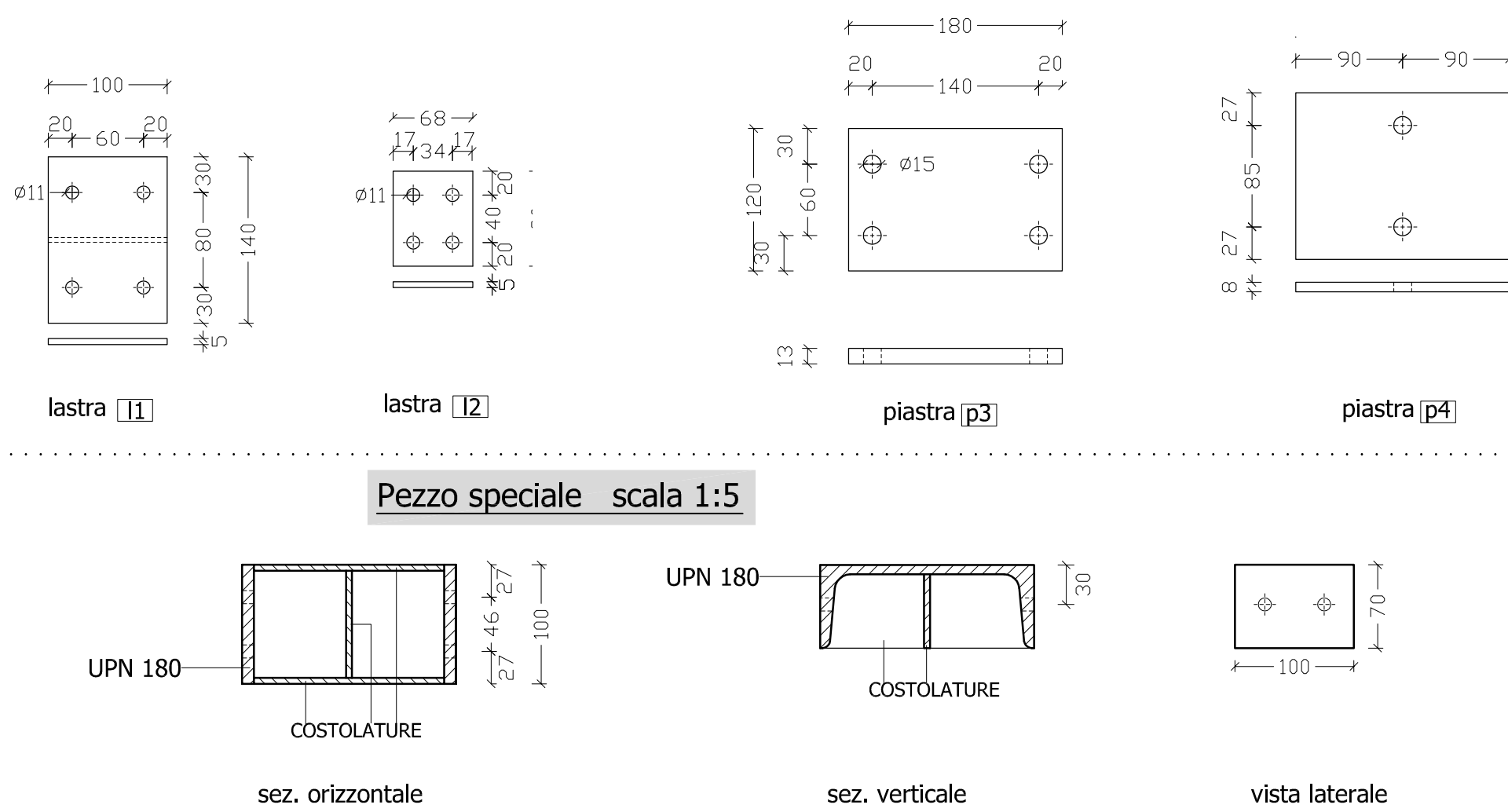
ANGOLARI scala 1:2



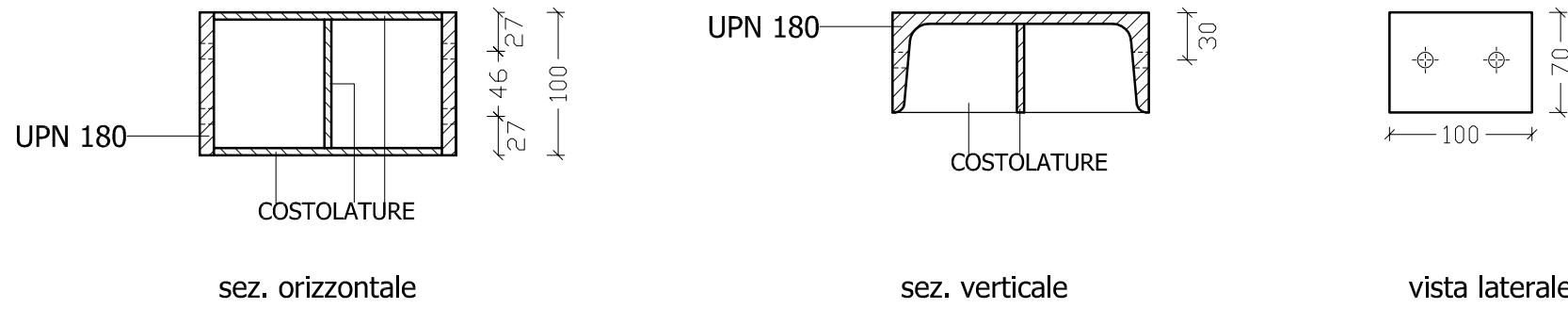
Bulloni scala 1:2



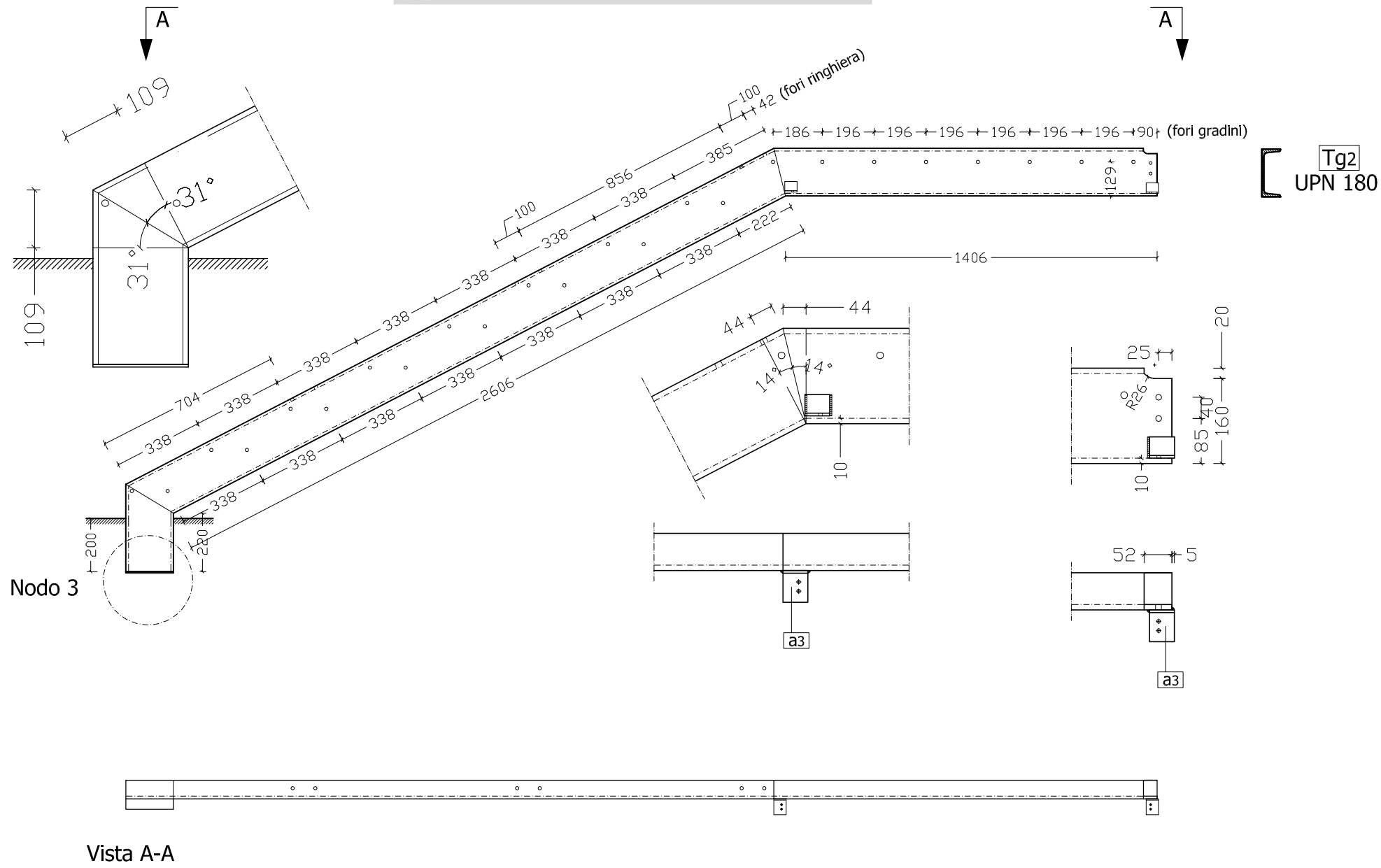
Piatti scala 1:5



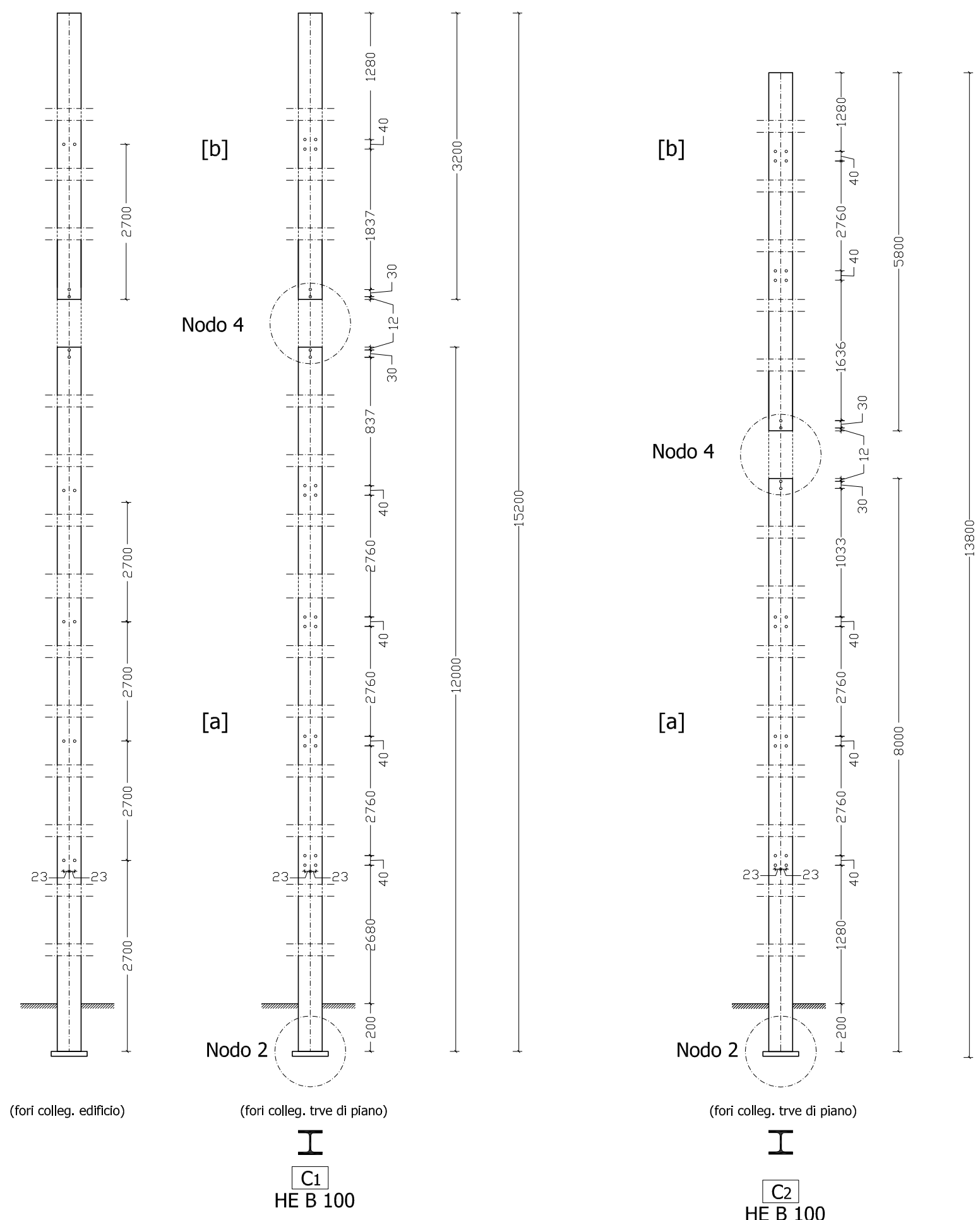
Pezzo speciale scala 1:5



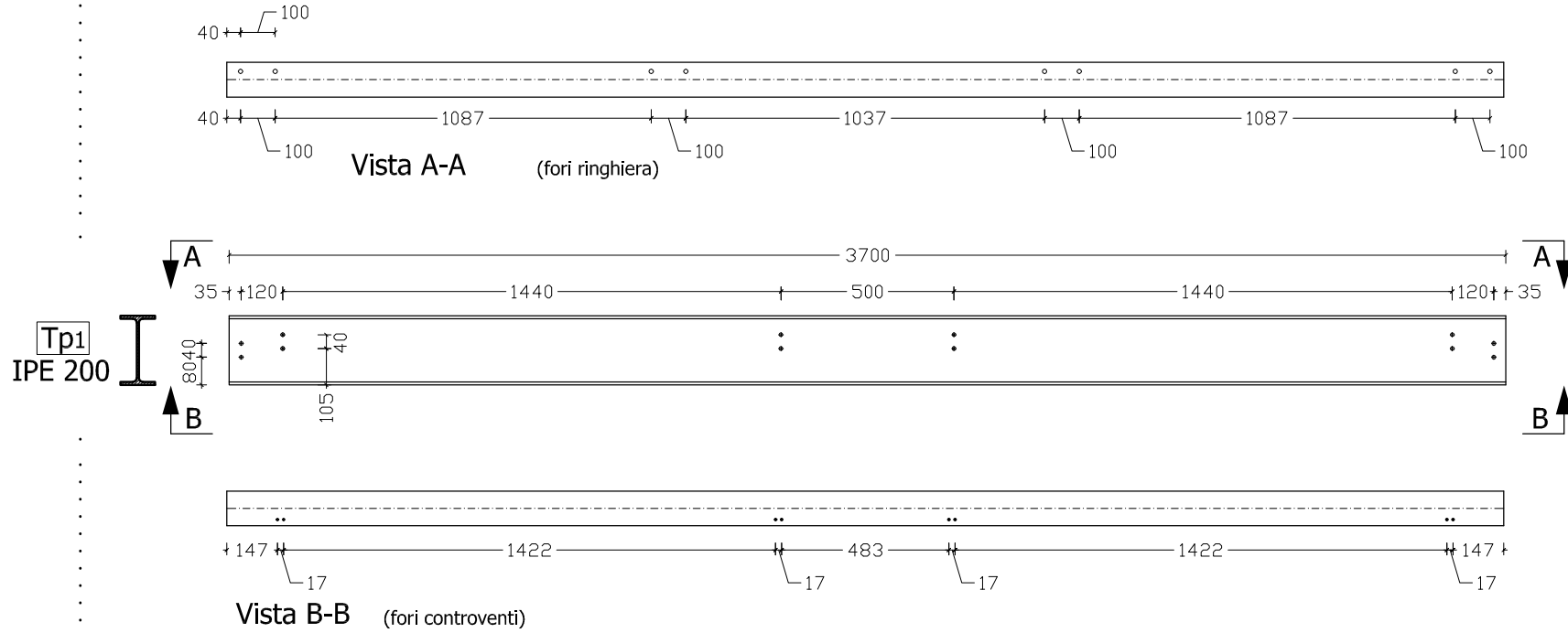
Travi a ginocchio scala 1:20; 1:10



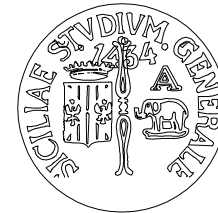
Colonne scala 1:20



Trave di piano scala 1:20



UNIVERSITA' DEGLI STUDI DI CATANIA



FACOLTA' DI INGEGNERIA  
CORSO DI LAUREA IN INGEGNERIA EDILE-ARCHITETTURA

corso di TECNICA DELLE COSTRUZIONI

A.A.06-07

PROGETTO DI UNA SCALA IN ACCIAIO  
con 4 colonne esterne

OGGETTO : - Abaco degli elementi strutturali

SCALA  
varie

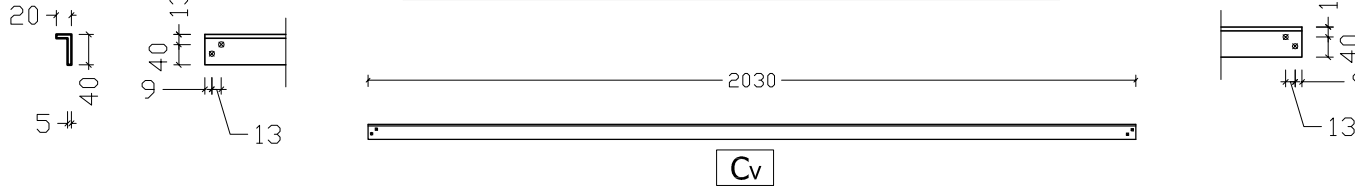
MATERIALI UTILIZZATI : Acciaio Fe 360  
Bulloni M14 4.6; M12 4.6; M10 6.6; M6 4.6

TAVOLA  
N.2

DOCENTE : PROF. ING. A. GHERSI

ALLIEVO : MONTELEONE SALVATORE

CONTROVENTO scala 1:20; 1:10



ELEMENTI STRUTTURALI

Codice	C1 [a]	C1 [b]	C2 [a]	C2 [b]	Tp1	Tp2	Tg1	Tg2	Tg3	Tg3	Cv
Tipo	HE B 100	HE B 100	HE B 100	HE B 100	IPE 200	IPE 200	UPN 180	UPN 180	UPN 180	UPN 180	L 20X40X5
Peso unit. (kN/m)	0.204	0.204	0.204	0.204	0.224	0.224	0.22	0.22	0.22	0.22	0.02
Lunghezza (m)	12000	3200	8000	5800	3700	3700	4012	4012	5700	5700	2030
Peso (kN/m)	2.45	0.65	1.63	1.18	0.83	0.83	0.88	0.88	1.25	1.25	0.04
Quantità	2	2	2	2	5	5	1	1	9	9	18