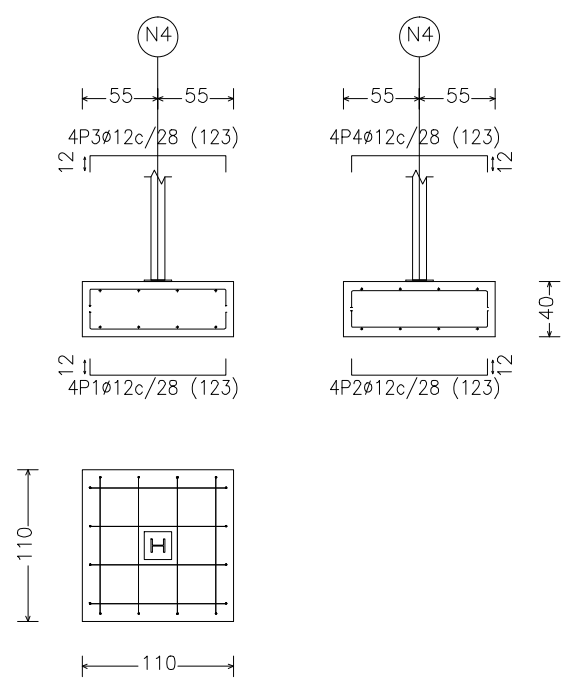
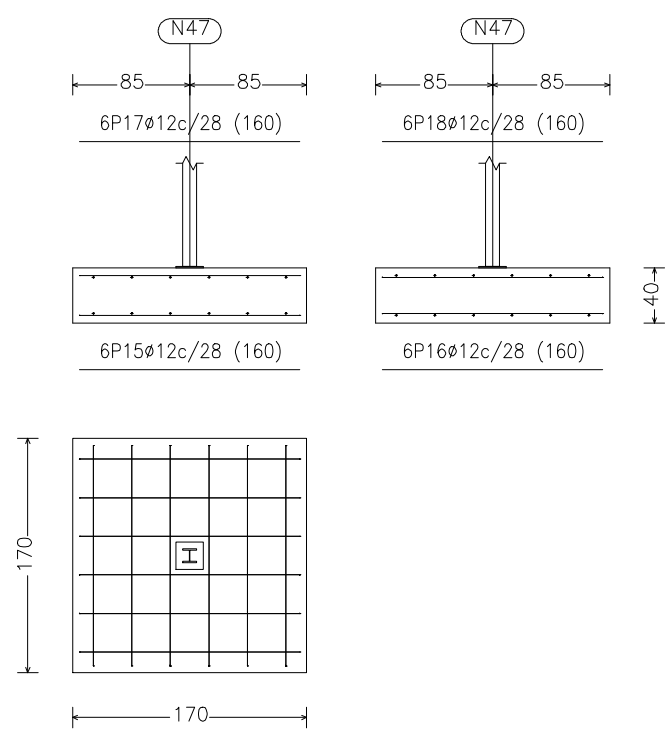


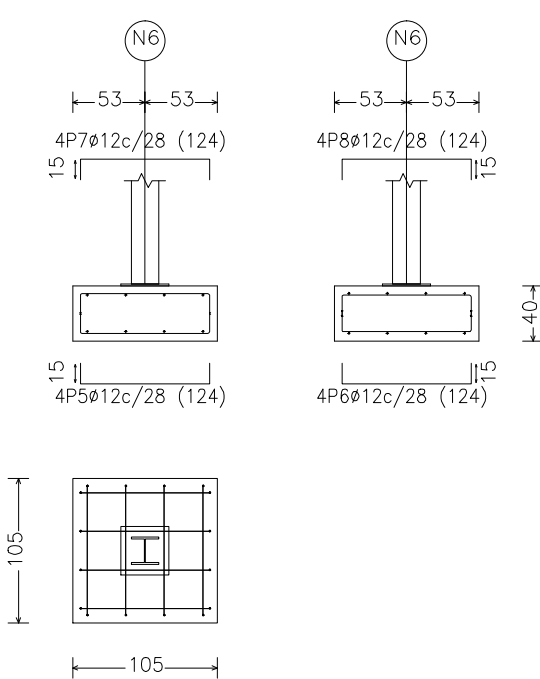
N4 y N74



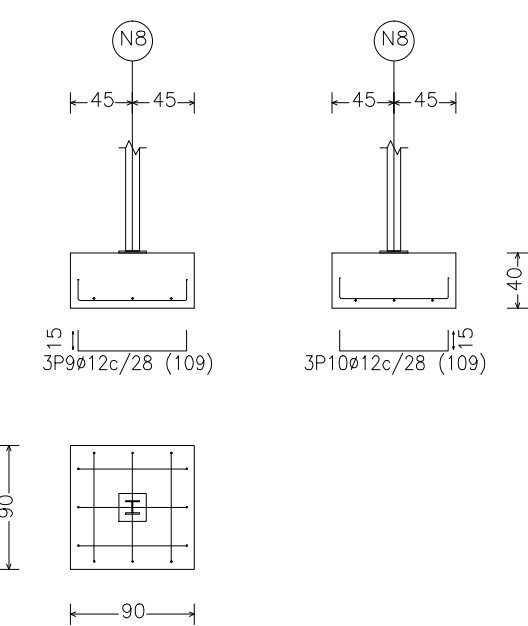
N47



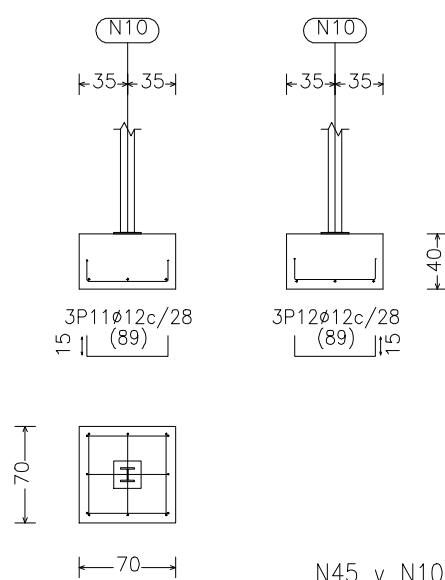
N6



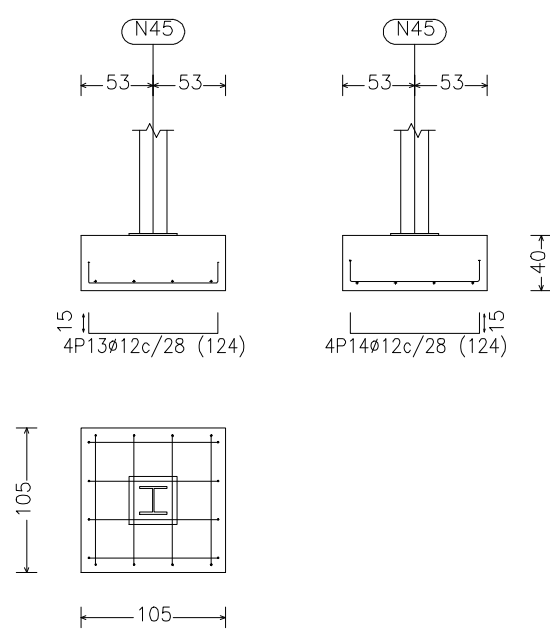
N8



N10, N18, N20, N22, N24, N26,  
N27, N29, N30, N32, N34, N41,  
N42, N43, N76, N82, N84, N86,  
N88, N90, N91, N93, N95, N101,  
N102 y N103



N45 y N104



Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	B 400 S, Ys=1.15 (kg)
N4=N74	1	ø12	4	123	492	4.4
	2	ø12	4	123	492	4.4
	3	ø12	4	123	492	4.4
	4	ø12	4	123	492	4.4
	Total+10%: (x2):					19.4 38.8
N6	5	ø12	4	124	496	4.4
	6	ø12	4	124	496	4.4
	7	ø12	4	124	496	4.4
	8	ø12	4	124	496	4.4
	Total+10%: (x2):					19.4
N8	9	ø12	3	109	327	2.9
	10	ø12	3	109	327	2.9
	Total+10%: (x2):					6.4
N10=N18=N20=N22=N24=N26 N27=N29=N30=N32=N34=N41 N42=N43=N76=N82=N84=N86 N88=N90=N91=N93=N95=N101 N102=N103	11	ø12	3	89	267	2.4
	12	ø12	3	89	267	2.4
	Total+10%: (x26):					5.3 137.8
	13	ø12	4	124	496	4.4
	14	ø12	4	124	496	4.4
N45=N104	Total+10%: (x2):					9.7 19.4
	15	ø12	6	160	960	8.5
	16	ø12	6	160	960	8.5
	17	ø12	6	160	960	8.5
	18	ø12	6	160	960	8.5
N47	Total+10%:					37.4
	ø12:					259.2
	Total:					525.0

## Proyecto final de carrera " DISEÑO DE UNA MARQUESINA AUTÓNOMA PARA AUTOBUSES"

	Fecha	Nombre	(Firmas)	  <b>Escola Universit�ria d'Enginyeria T�cnica Industrial de Barcelona</b> Consorti Escola Industrial de Barcelona <b>UNIVERSITAT POLIT�CNICA DE CATALUNYA</b>
Dibujado	13-12-11	Marta Hidalgo		
Comprobado		Francisco Quintilla		
Normas				
Escala	Armado Zapatas			P.4.2.
1:5				Sustituye a
				Sustituido por