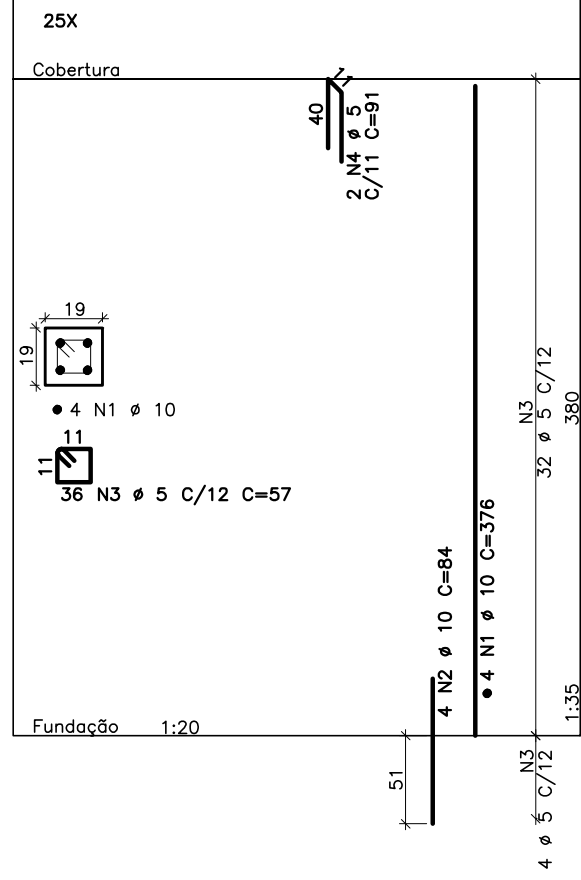
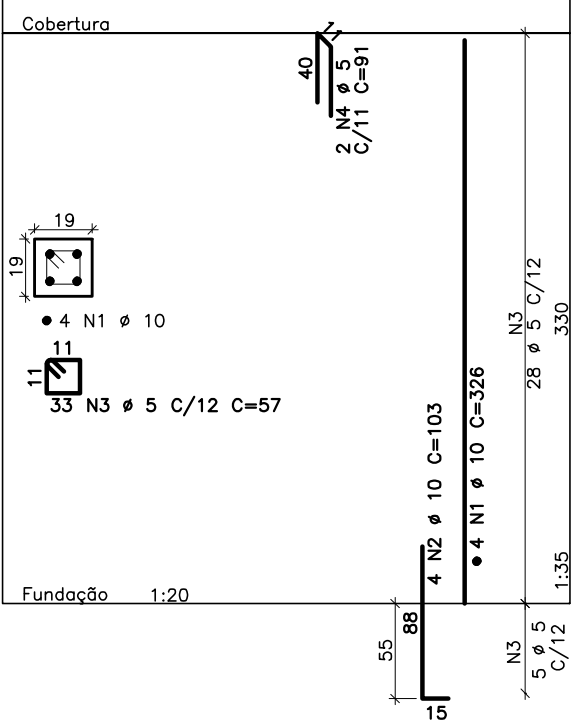


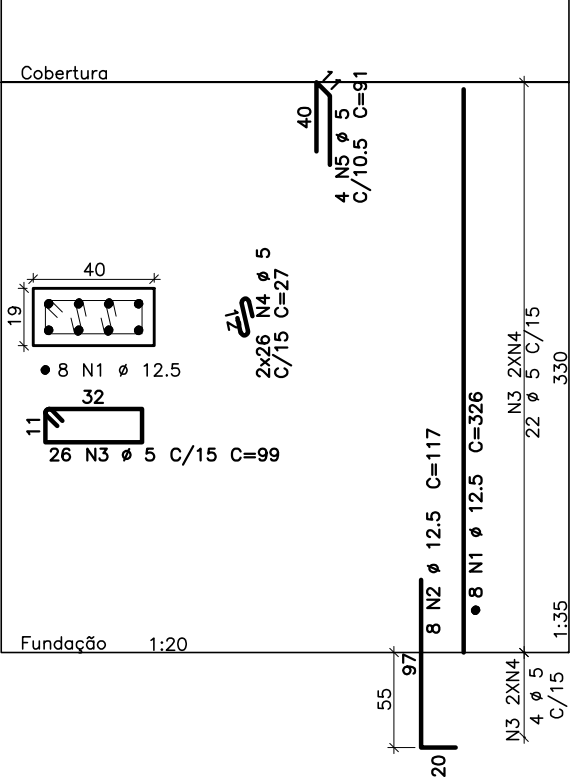
P1aP8=P10=P12=P13=
P16=P19=P23=P24=P26=
P32=P36=P37=P39aP44



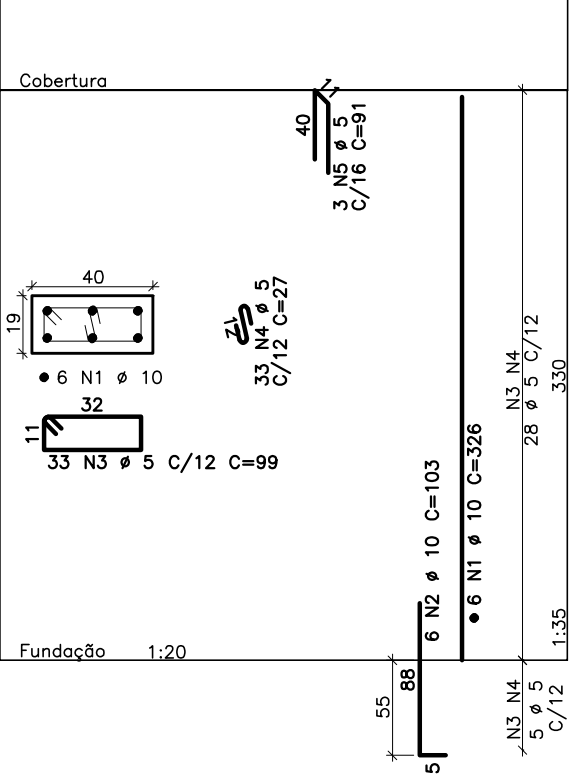
P9=P11=P17=P18=P20
P21=P22=P25=P27=P28
P31=P33=P34=P35 14X



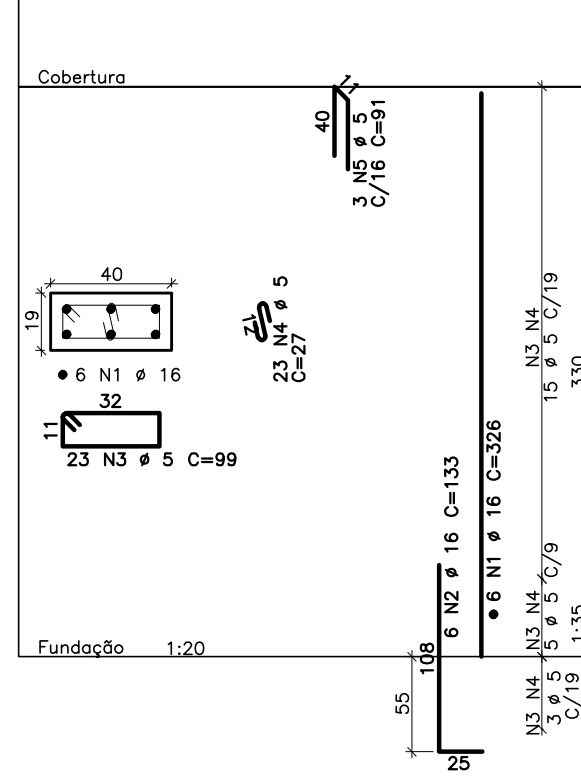
P29



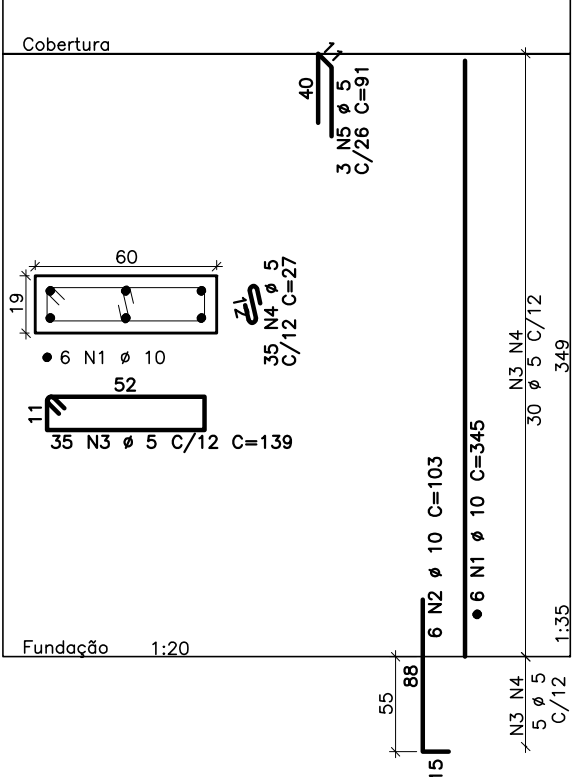
P30



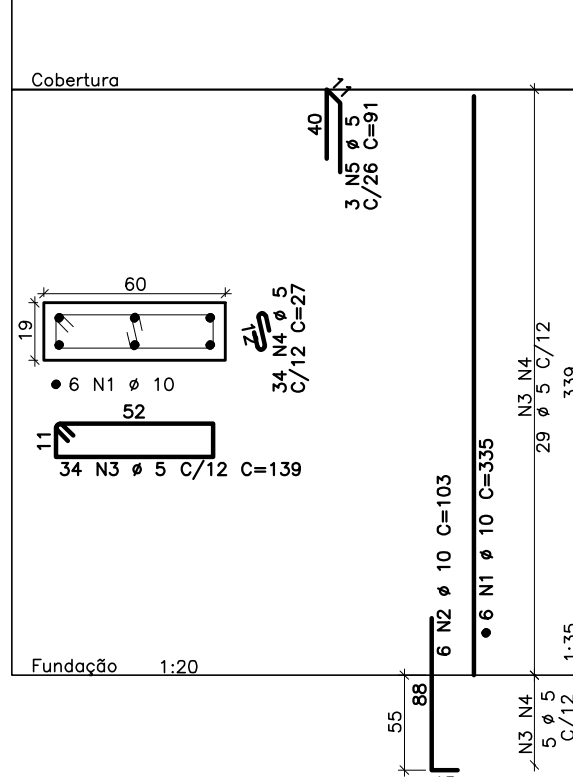
P38



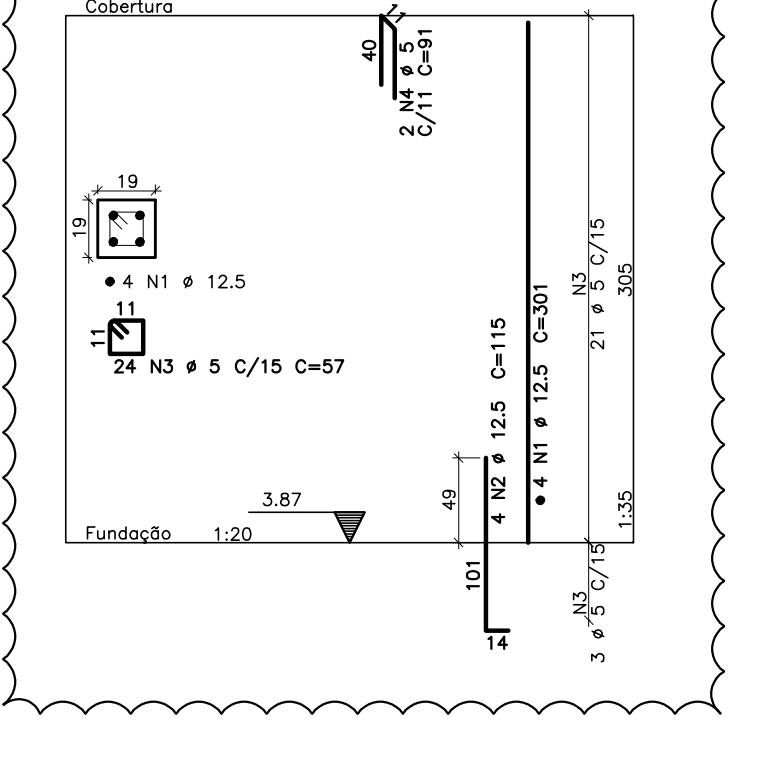
P45=P47 2X



P46

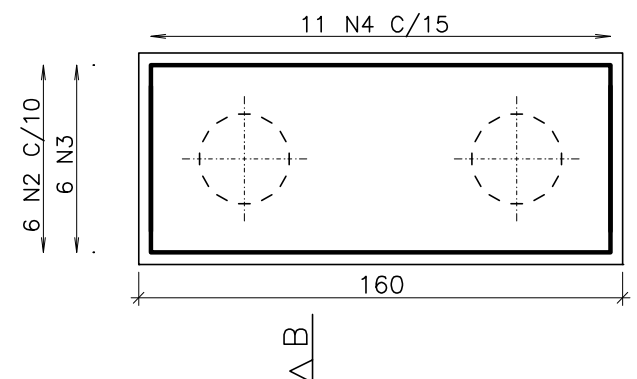


P48 A P50

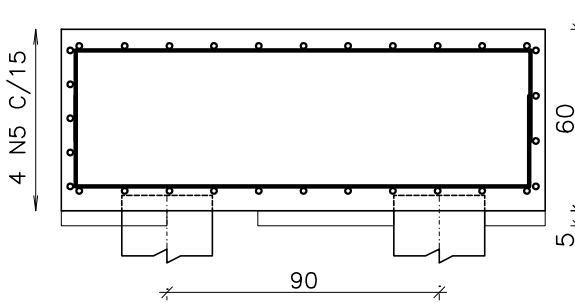


B4
(ESCALA 1:25) (3X)

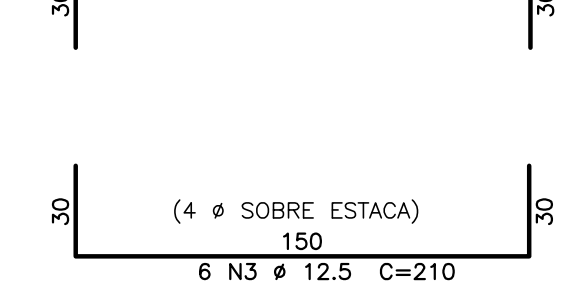
PLANTA



CORTE A - A

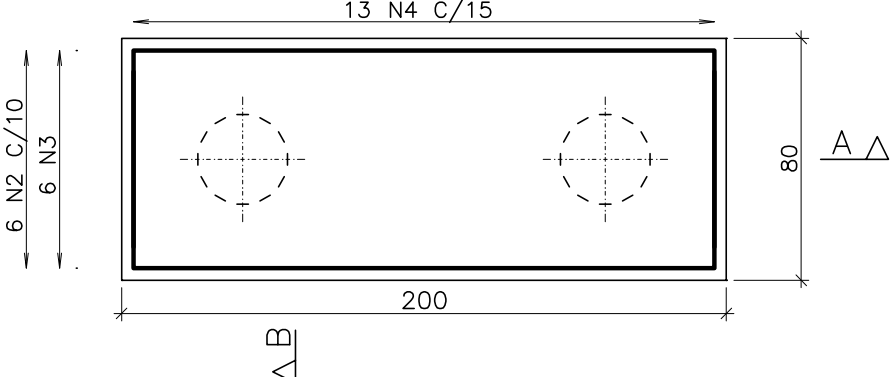


CORTE B - B

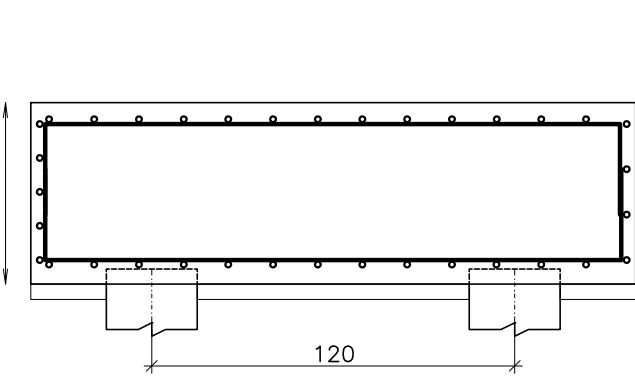


B3
(ESCALA 1:25) 4X

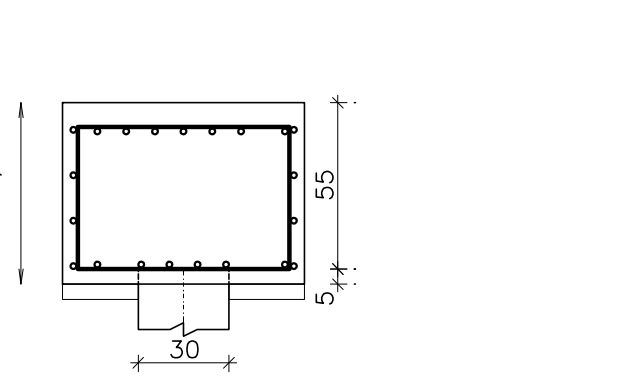
PLANTA



CORTE A - A

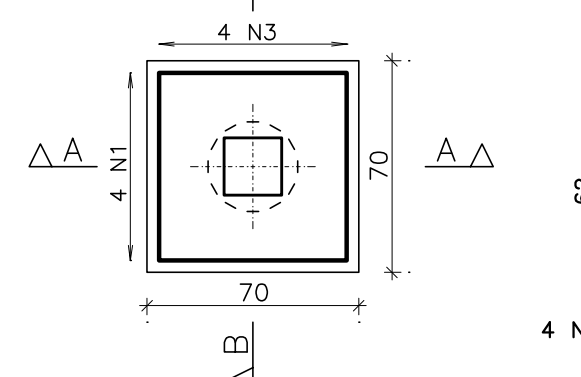


CORTE B - B

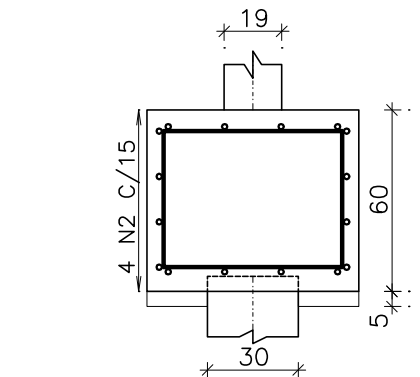


B1
(ESCALA 1:25) 22X

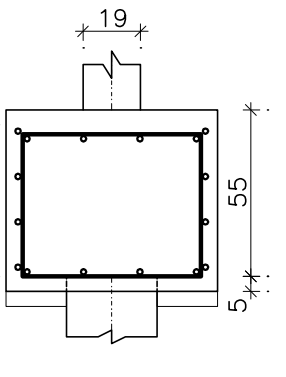
PLANTA



CORTE A - A

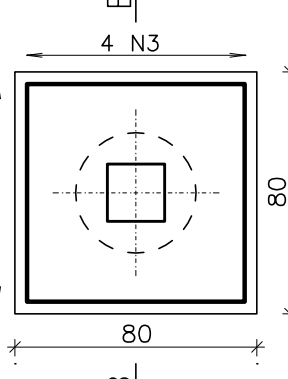


CORTE B - B

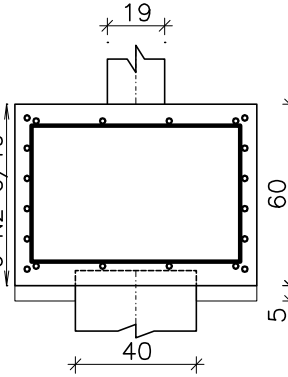


B2
(ESCALA 1:25) (22X)

PLANTA



CORTE A - A



CORTE B - B

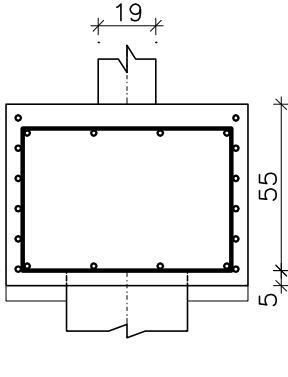
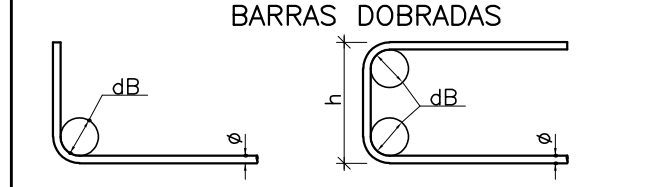


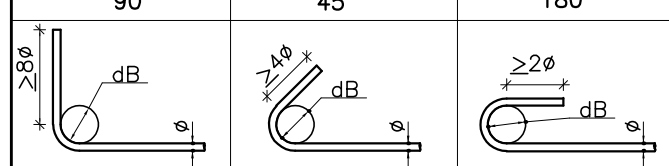
TABELA DE FERROS					
ELEM.	POS.	BIT. (mm)	QUANT.	COMPRIMENTO UNIT (cm)	TOTAL (cm)
P1aP8=P10=P12=P13= (X25)					
1	10	100	376	37600	
2	10	80	84	8400	
3	10	800	57	51300	
4	5	50	91	4550	
P9=P11=P17=P18=P20 (X14)					
1	10	56	326	18256	
2	10	56	103	5768	
3	5	462	57	26334	
4	5	28	91	2548	
P29					
1	12.5	8	326	2608	
2	12.5	8	117	936	
3	5	26	99	2574	
4	5	52	27	1404	
P30					
1	10	6	326	1956	
2	10	6	103	618	
3	5	33	99	3267	
4	5	33	27	891	
P38					
1	16	6	326	1956	
2	16	6	133	798	
3	5	23	99	2277	
4	5	23	27	621	
P45=P47 (X2)					
1	10	12	345	4140	
2	10	12	103	1236	
3	5	70	139	9730	
4	5	70	27	1890	
P46					
1	10	6	335	2010	
2	10	6	103	618	
3	5	34	139	4728	
4	5	34	27	918	
P48 A P50 (X4)					
1	12.5	16	301	4816	
2	12.5	16	115	1840	
3	5	96	57	5472	
4	5	6	91	728	

RESUMO AÇO CA 50-60		
BITOLA (mm)	COMPR (m)	PESO (kg)
5	1210	186
10	806	497
12.5	102	98
16	28	43
Peso Total	60	186 kg
Peso Total	50	639 kg

DETALHES DE DOBRAMENTOS



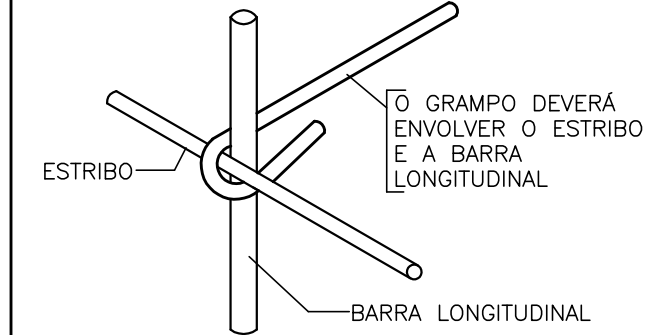
GANCHOS



DIÂMETRO DO PINO DE DOBRAMENTO dB

BARRAS	BITOLAS	CA-25	CA-50	CA-60
	$\phi < 20\text{mm}$	4 ϕ	5 ϕ	6 ϕ
	$\phi \geq 20\text{mm}$	5 ϕ	8 ϕ	
ESTRIBO	$\phi \leq 10\text{mm}$	3 ϕ	3 ϕ	3 ϕ
	$10 < \phi < 20$	4 ϕ	5 ϕ	
	$\phi > 20\text{mm}$	5 ϕ	8 ϕ	

DETALHE DE AMARRAÇÃO DE GRAMPOS E ESTRIBOS



ESTRIBO

GRAMPO DEVERÁ ENVOLVER O ESTRIBO E A BARRA LONGITUDINAL

BARRA LONGITUDINAL

ESTRIBO

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