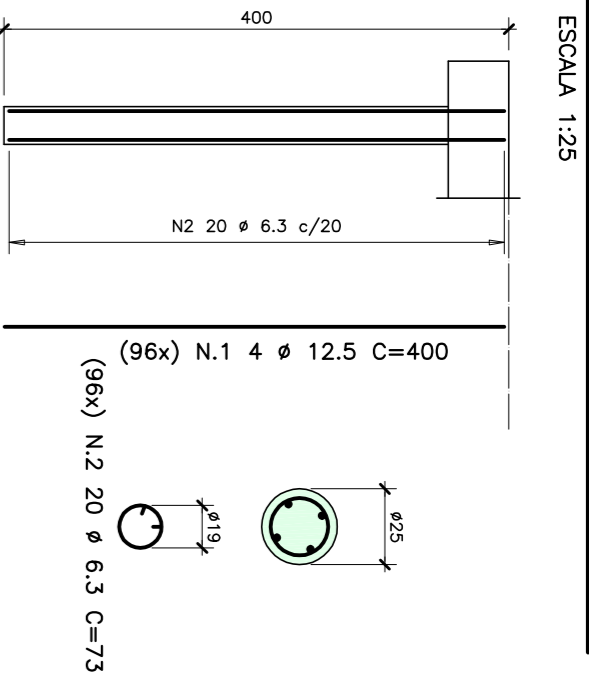
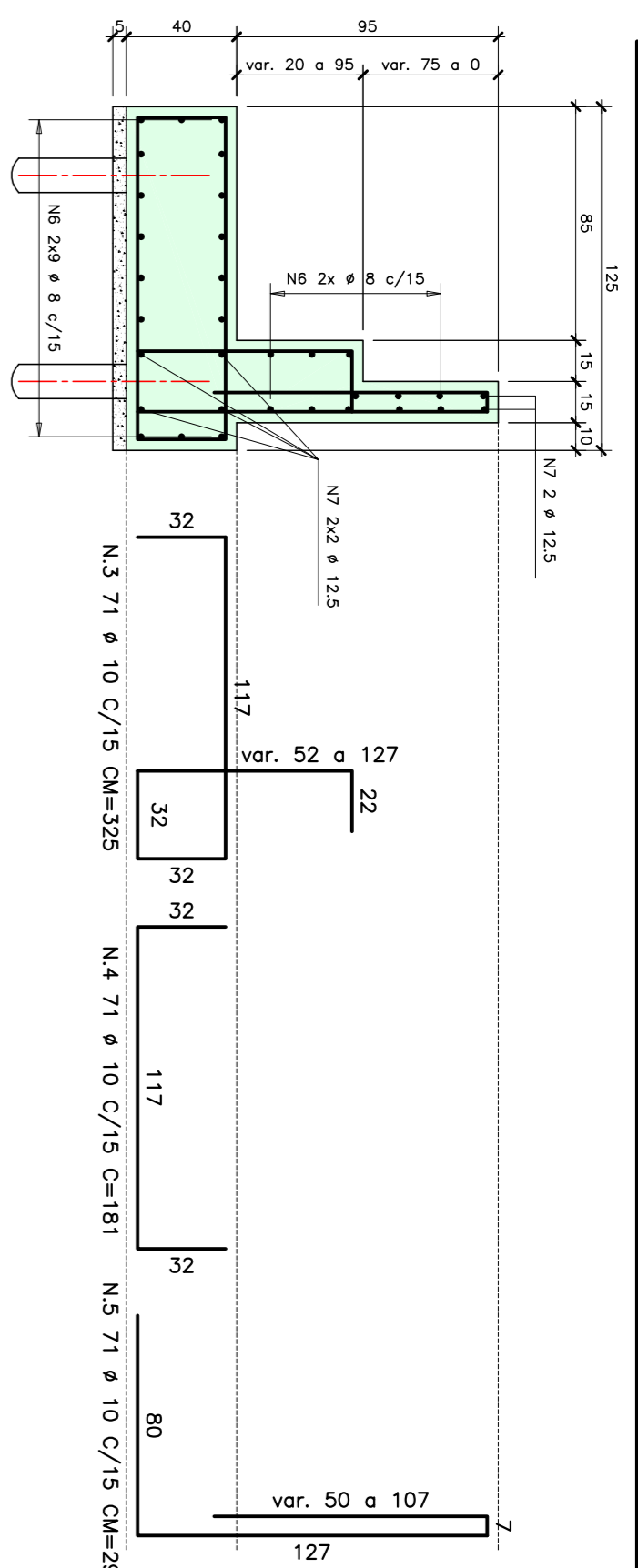


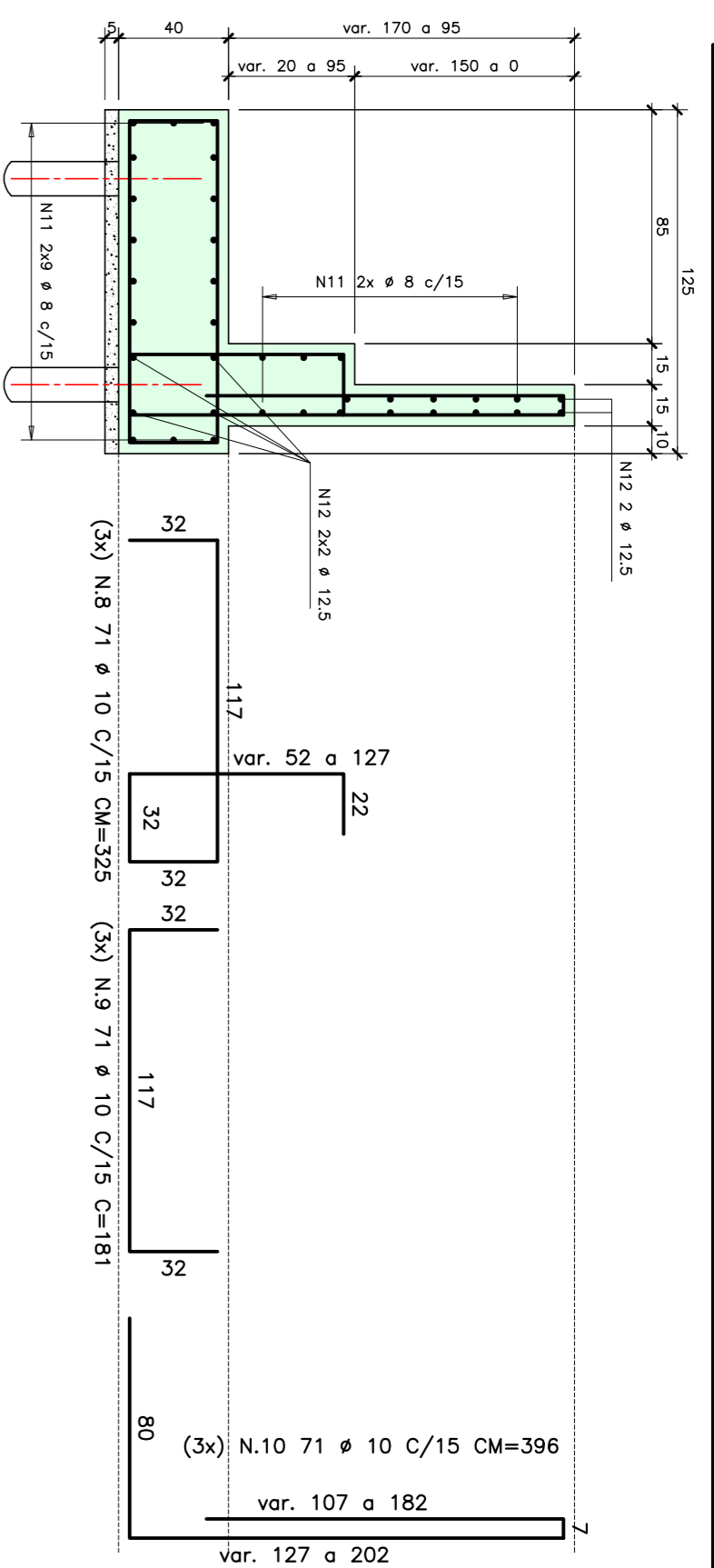
BROCA Ø25cm (96x)



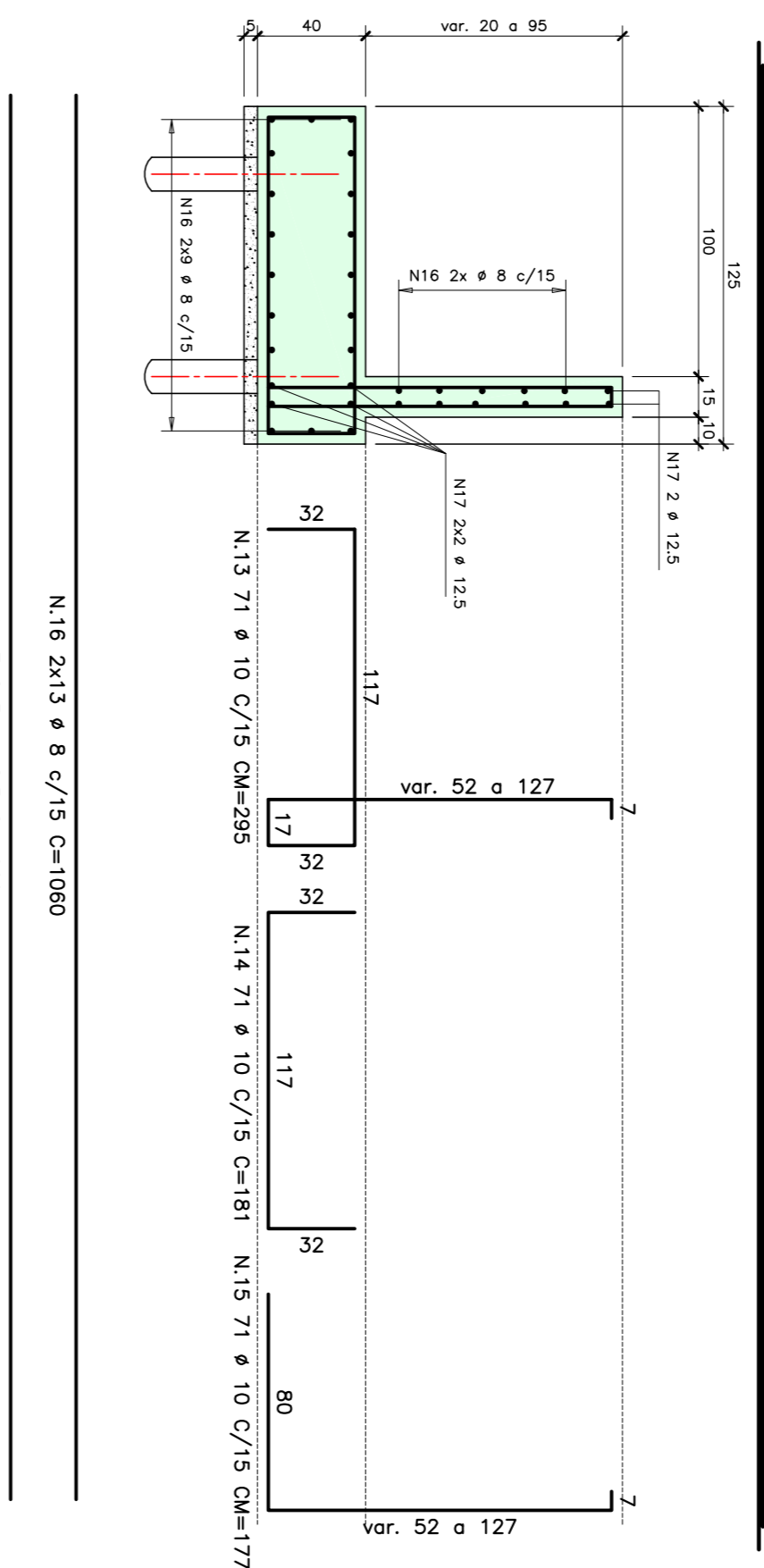
PAREDE 5



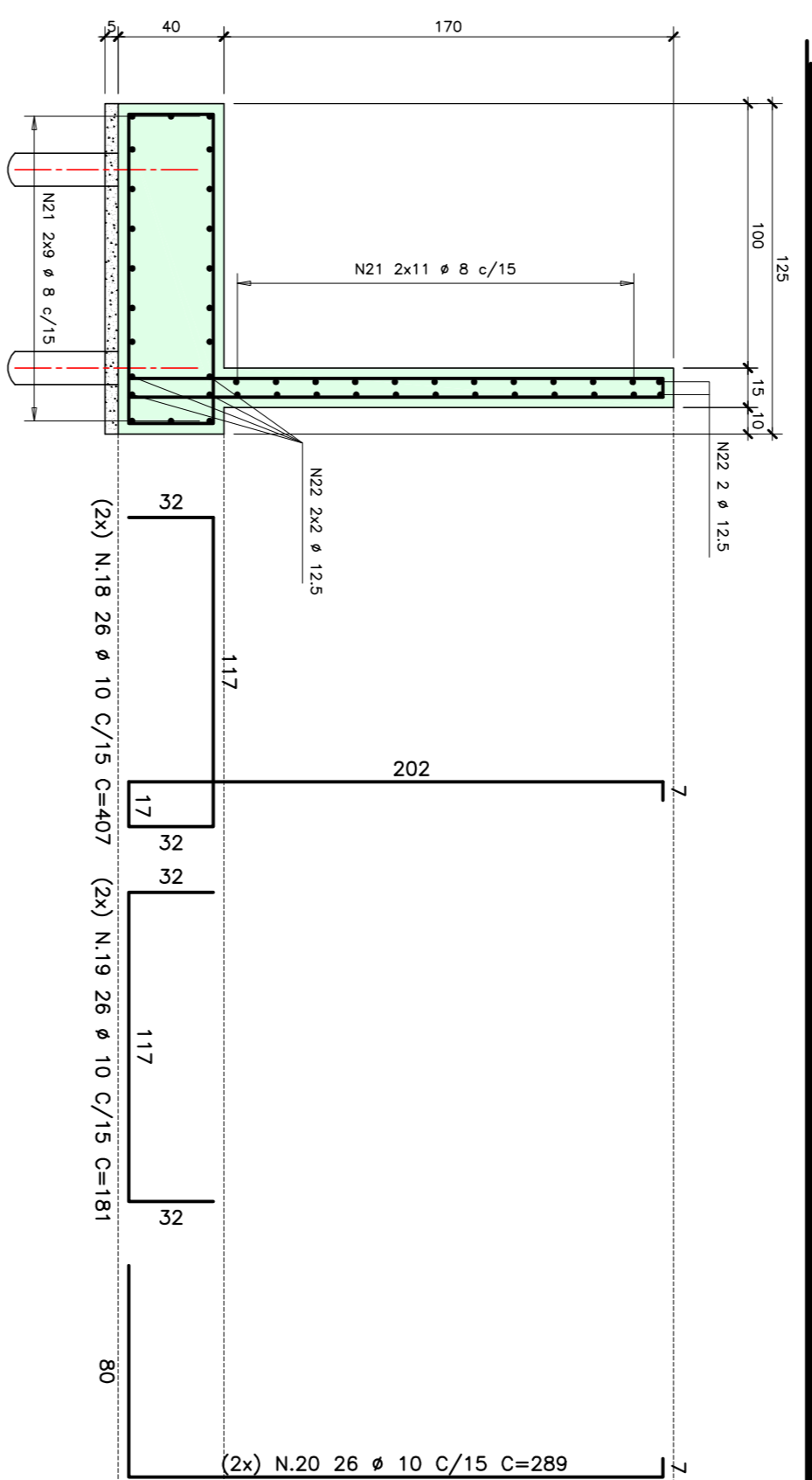
PAREDES 6=7=8 (3x)



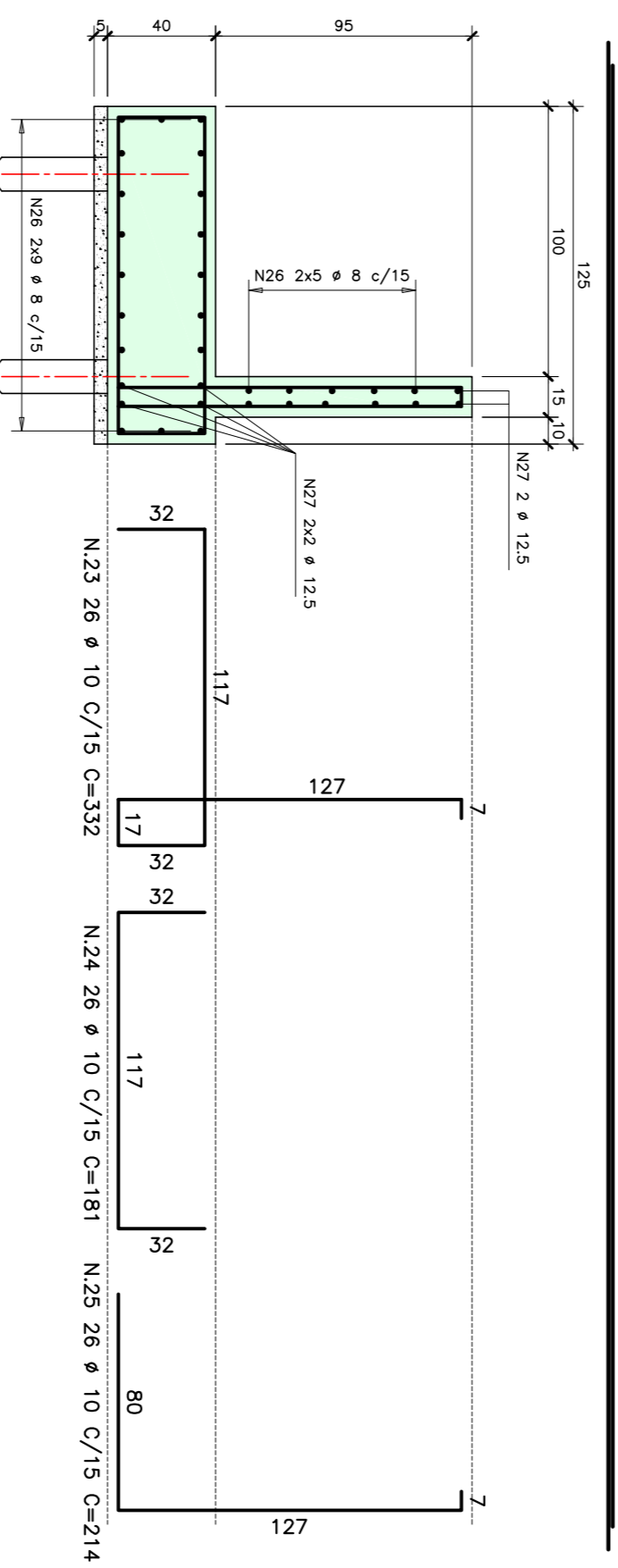
PAREDE 9



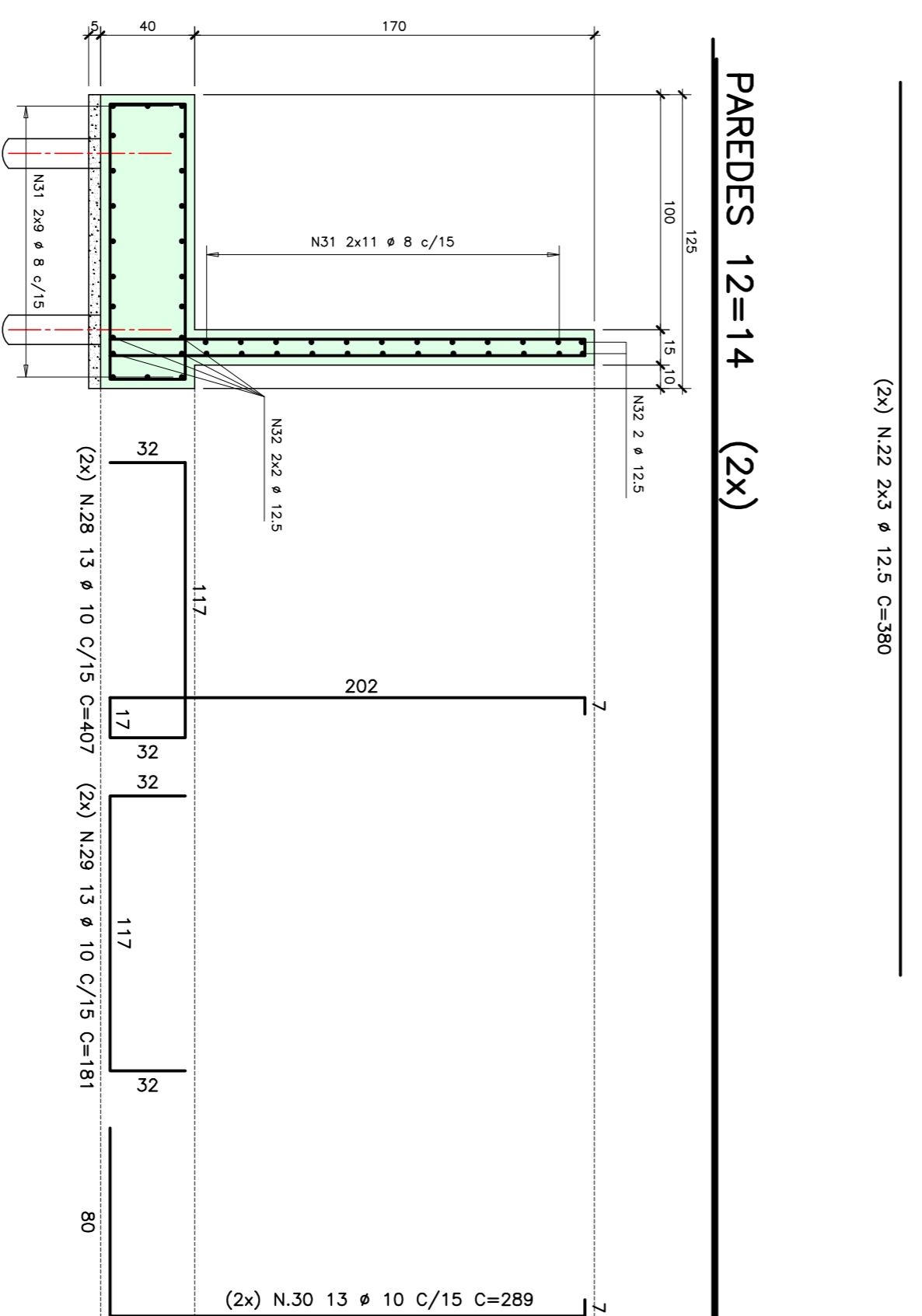
PAREDES 10=13 (2x)



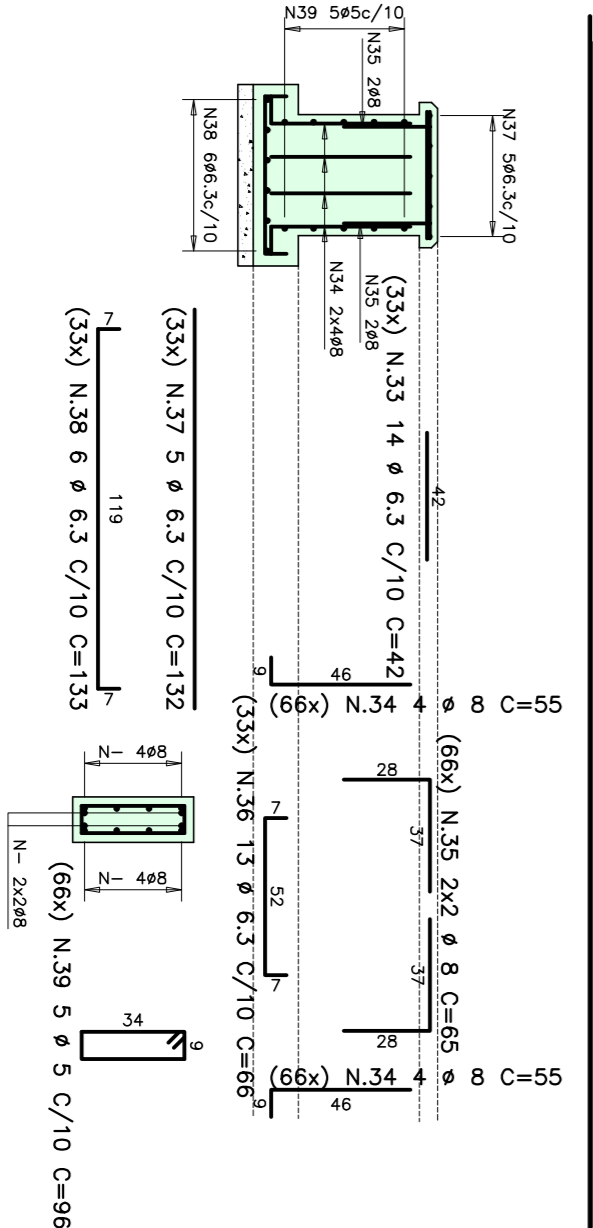
PAREDE 11



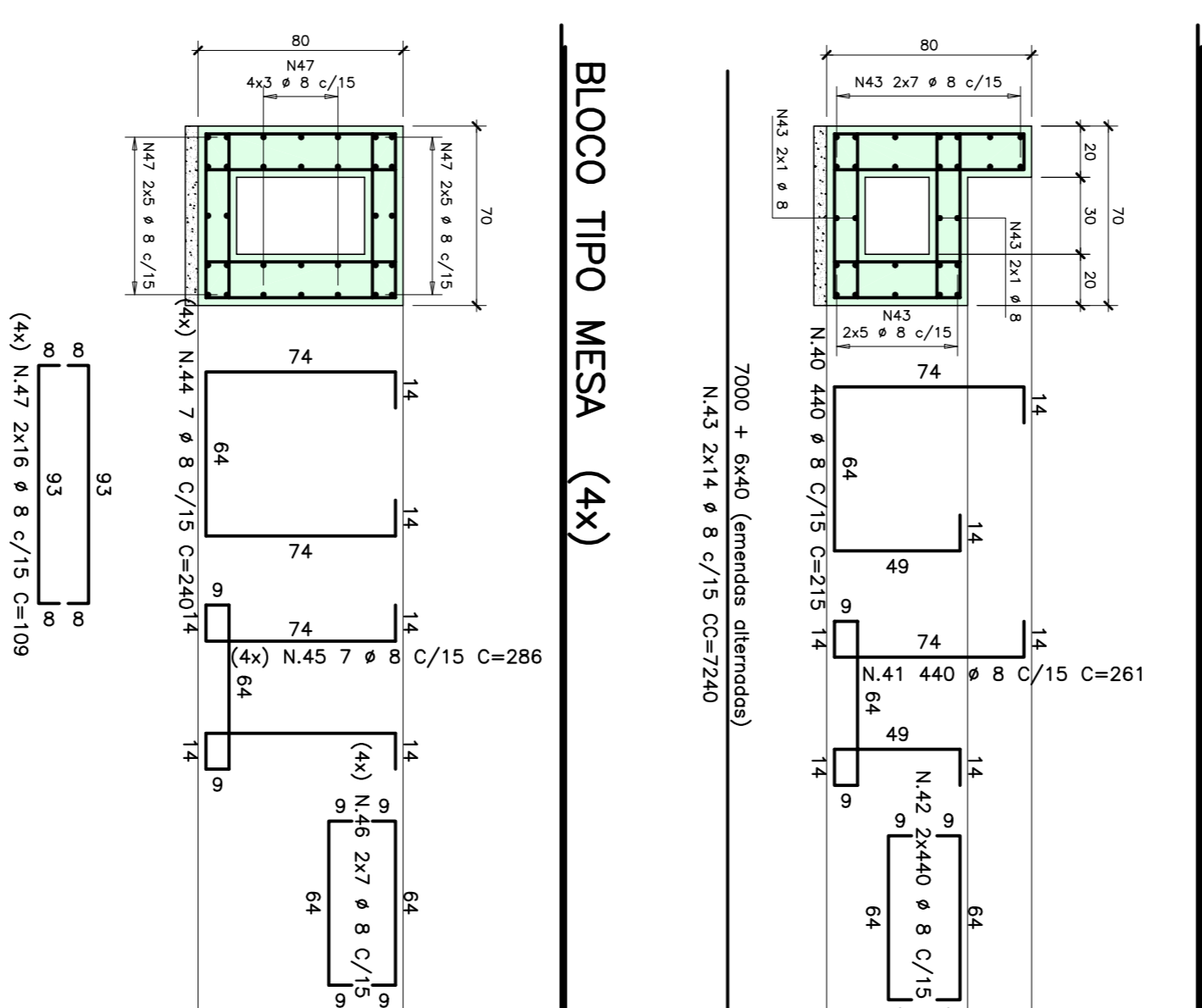
PAREDES 12=14 (2x)



BANCO TIPO 1 (33x)



BANCO TIPO 2



BLOCO TIPO MESA (4x)

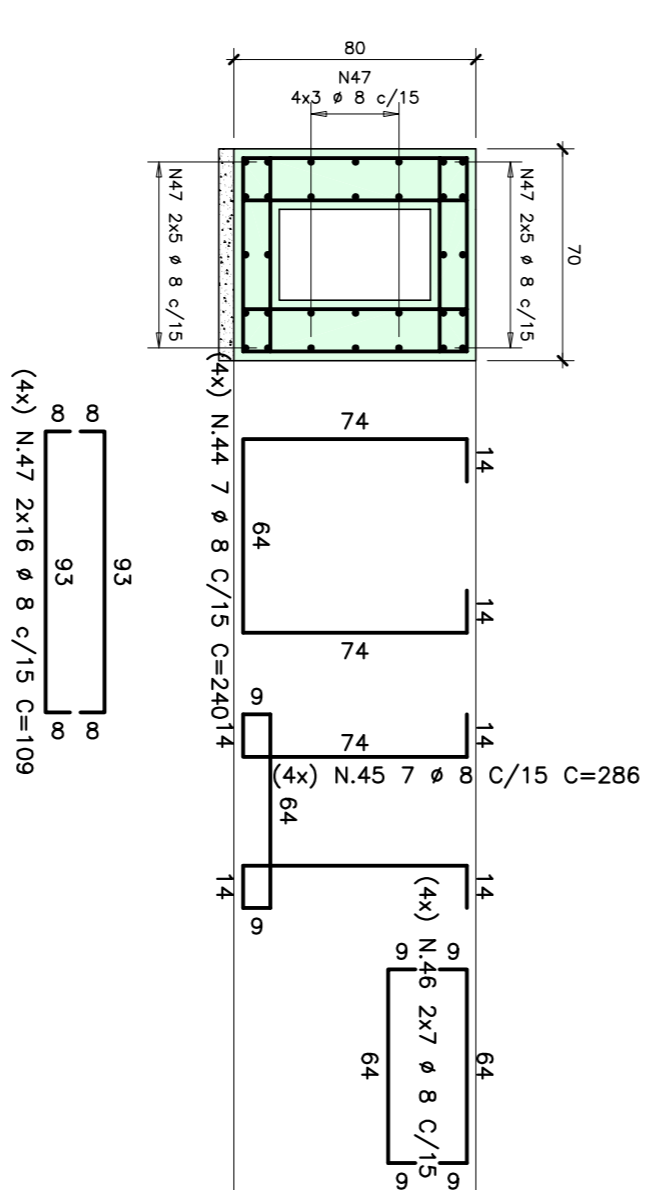


TABELA DE DOBRAMENTO

BARRAS DE DOBRAMENTO

ARÇO	RAIO (cm)	DE (cm)	DE (cm)
CA-60	5,0	3,0	1,5
	6,3	3,2	1,9
	8,0	4,0	2,4
	10,0	5,0	5,0
CA-50	12,5	6,3	6,3
	16,0	8,0	8,0
	20,0	16,0	16,0

CA=50: 16,0 8,0 8,0 8,0 20,0 20,0

LISTA DE FERROS

N	CA50	CA60	QUANT.	COMPRIIMENTO(CM)	TOTAL
1	12,5		384	400	153600
2	6,3		1920	73	140160
3	10		71	C.M.	23075
4	10		71	C.M.	12851
5	10		71	C.M.	20803
6	8		28	1060	29680
7	12,5		6	1060	6360
8	10		213	C.M.	69225
9	10		213	C.M.	38533
10	10		213	C.M.	84348
11	8		120	1060	127200
12	12,5		18	1060	19080
13	10		71	C.M.	20945
14	10		71	C.M.	12851
15	10		71	C.M.	12567
16	8		26	1060	27560
17	12,5		6	1060	6360
18	10		52	407	21164
19	10		52	181	9412
20	10		52	289	15028
21	8		80	360	30400
22	12,5		12	360	4560
23	10		26	332	8632
24	10		26	181	4706
25	10		26	214	5564
26	8		28	380	10640
27	12,5		6	380	2280
28	10		26	407	10592
29	10		26	181	4706
30	10		26	289	7514
31	8		80	190	15200
32	12,5		12	190	2280
33	6,3		462	42	19404
34	8		528	55	29040
35	8		264	65	17160
36	6,3		429	68	29314
37	6,3		165	132	21780
38	6,3		198	133	26334
39	8		440	96	31680
40	8		440	215	94600
41	8		440	281	114840
42	8		880	82	72160
43	8		28	CORR.	202720
44	8		28	240	6720
45	8		28	288	8008
46	8		56	82	4592
47	8		128	109	13952

RESUMO AÇO CA-60

Ø	kg/m	m	kg
6,3	0,248	2359,9	585
8	0,393	8044,7	3162
10	0,624	39253,3	2387
12,5	0,988	1945,2	1922
TOTAL			
			8056

RESUMO AÇO CA-50

Ø	kg/m	m	kg
5	0,157	316,8	50

REVISOS

REV.	DATA	POR	VISTO



NOTAS

- CONCRETO Fck = 20 MPa
- AÇO CA-50
- TENSÃO ADMISSÍVEL NO SOLO < 1,5 kgf/cm²
- MEDIDAS EM CENTÍMETROS e NÍVEIS EM METROS
- NÃO TIRAR MEDIDAS EM ESCALA

NOTAS

- CONCRETO Fck = 20 MPa
- AÇO CA-50
- TENSÃO ADMISSÍVEL NO SOLO < 1,5 kgf/cm²
- MEDIDAS EM CENTÍMETROS e NÍVEIS EM METROS
- NÃO TIRAR MEDIDAS EM ESCALA

PROJETO	DATA	ESCALA	INDICADA
PROJETO	10/01/2019		

REVISOR	DATA	POR	VISTO