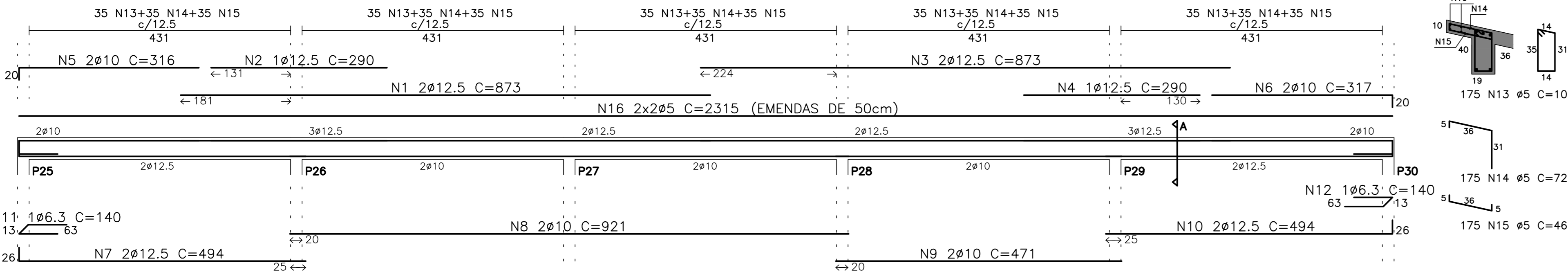
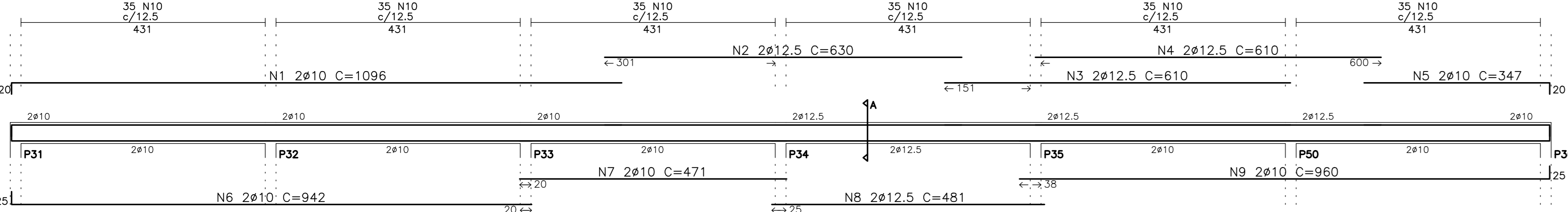


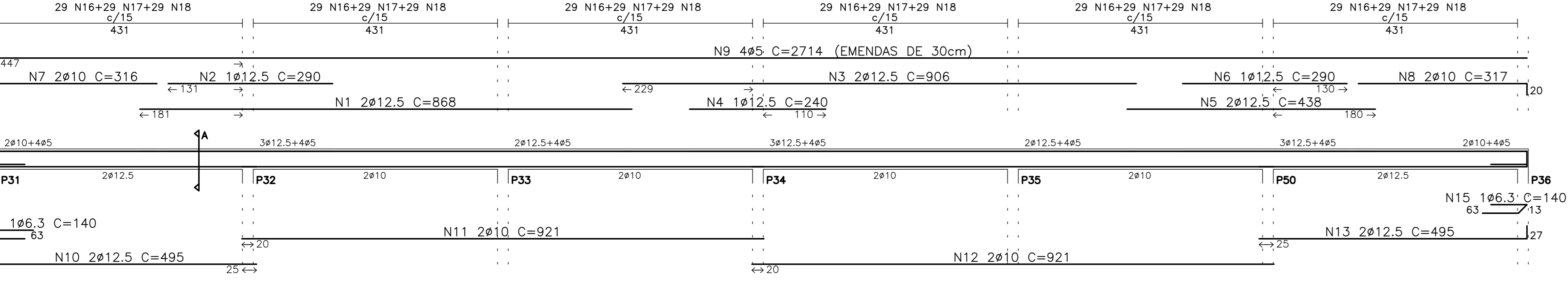
V110 (19/36 a 40)



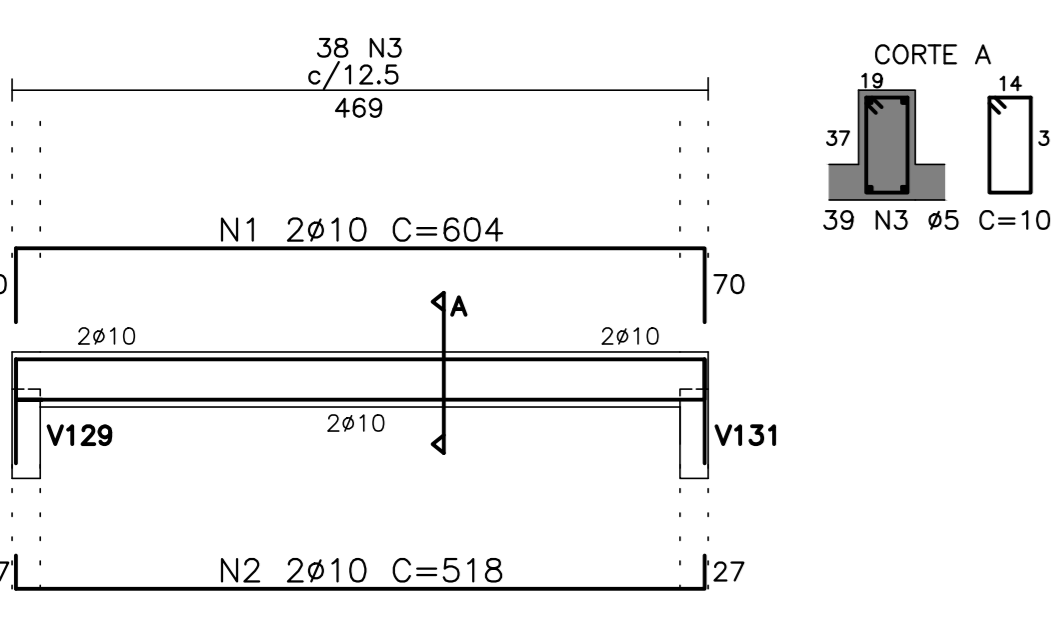
V111 (19/37)



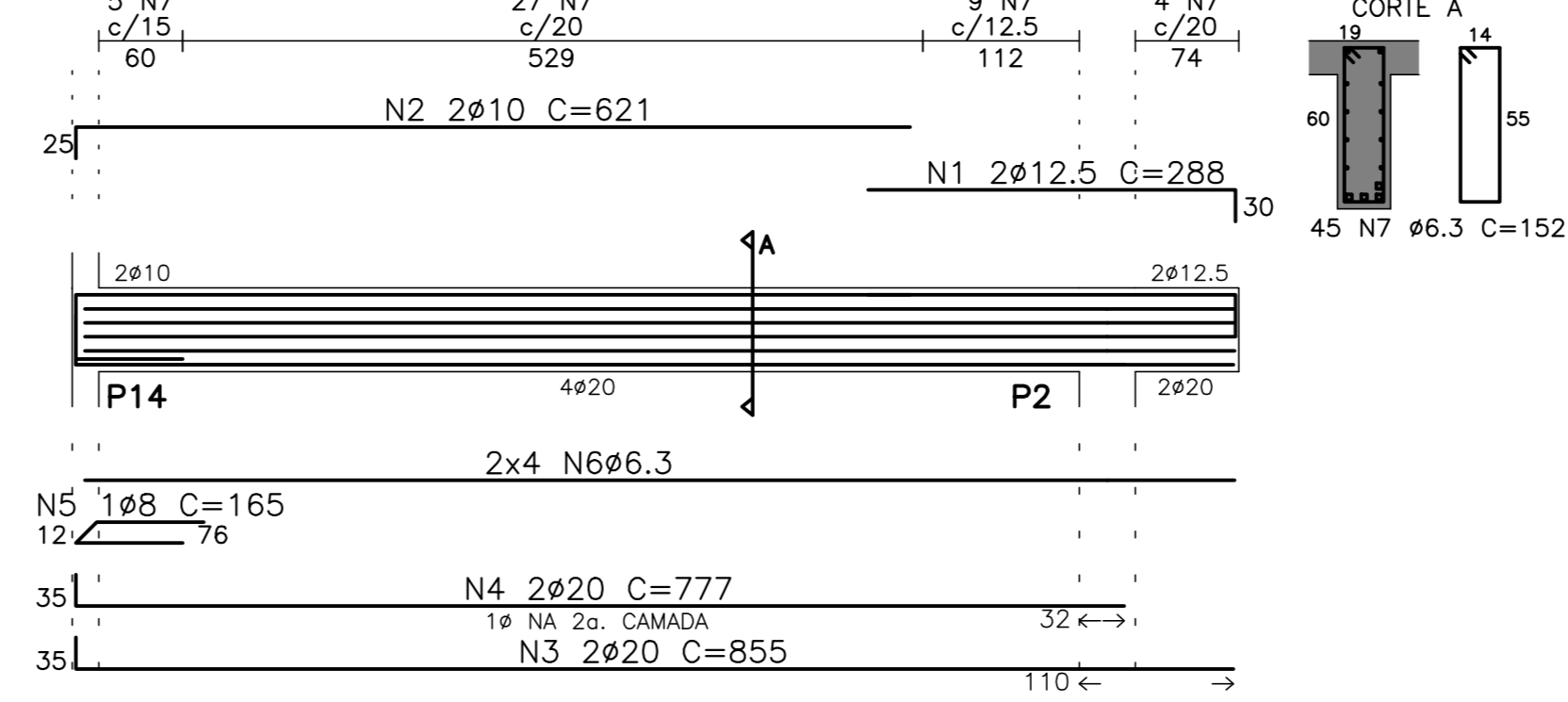
V112 (19/36)



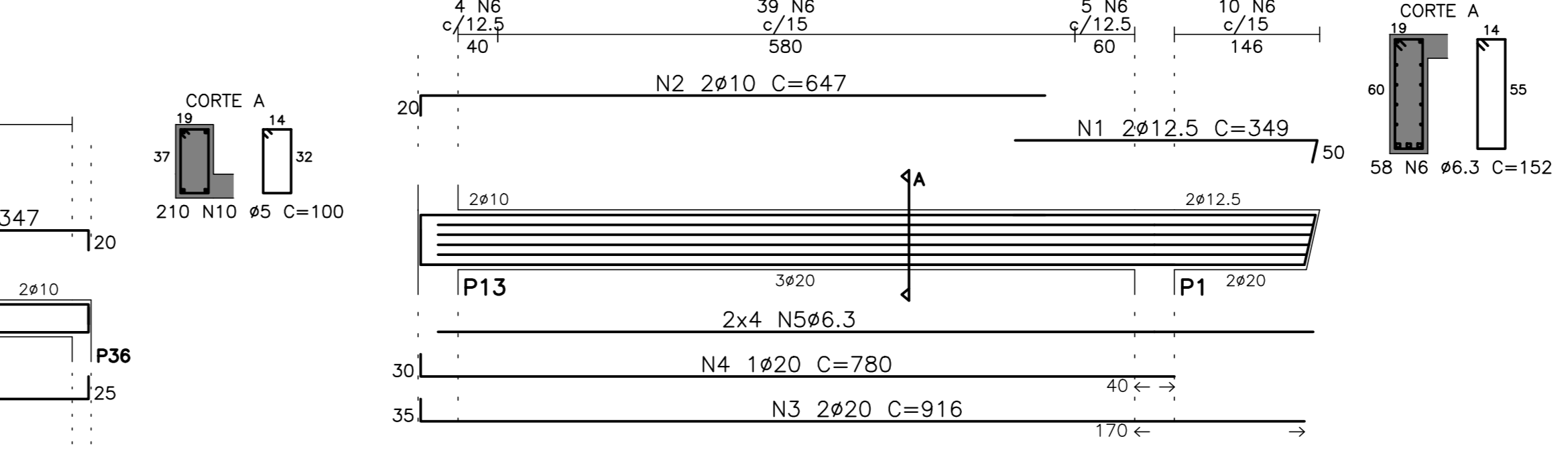
V147=V148 (19/37) (2x)



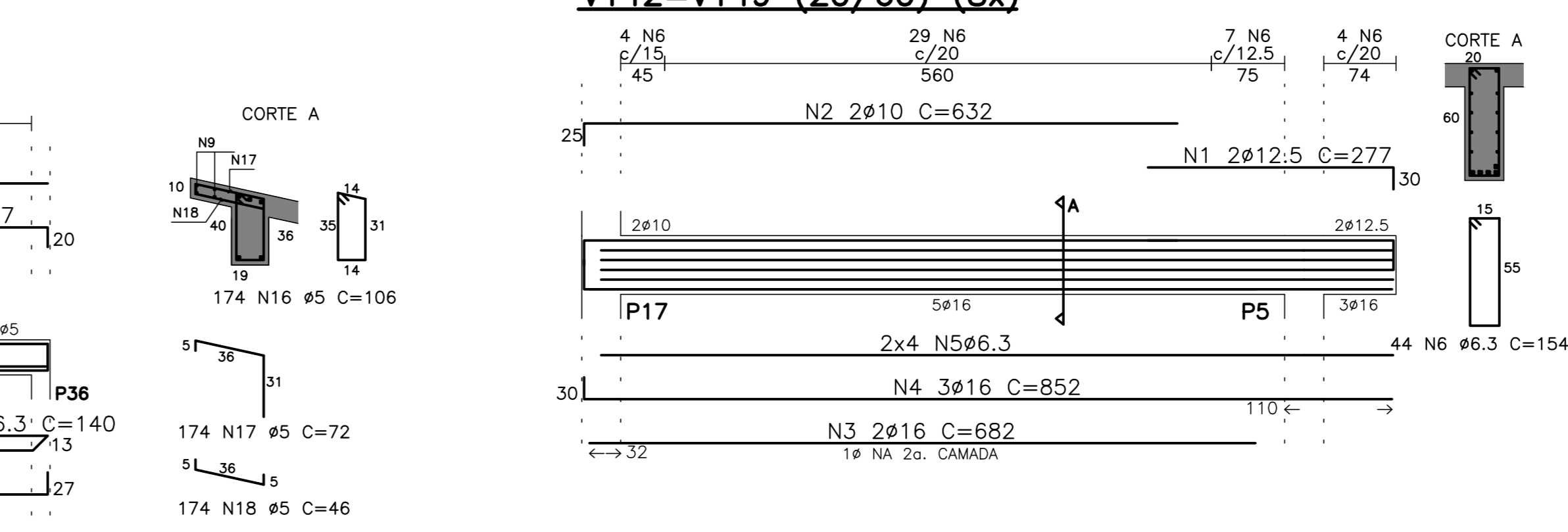
V123 (19/60)



V120=V146 (19/60) (2x)



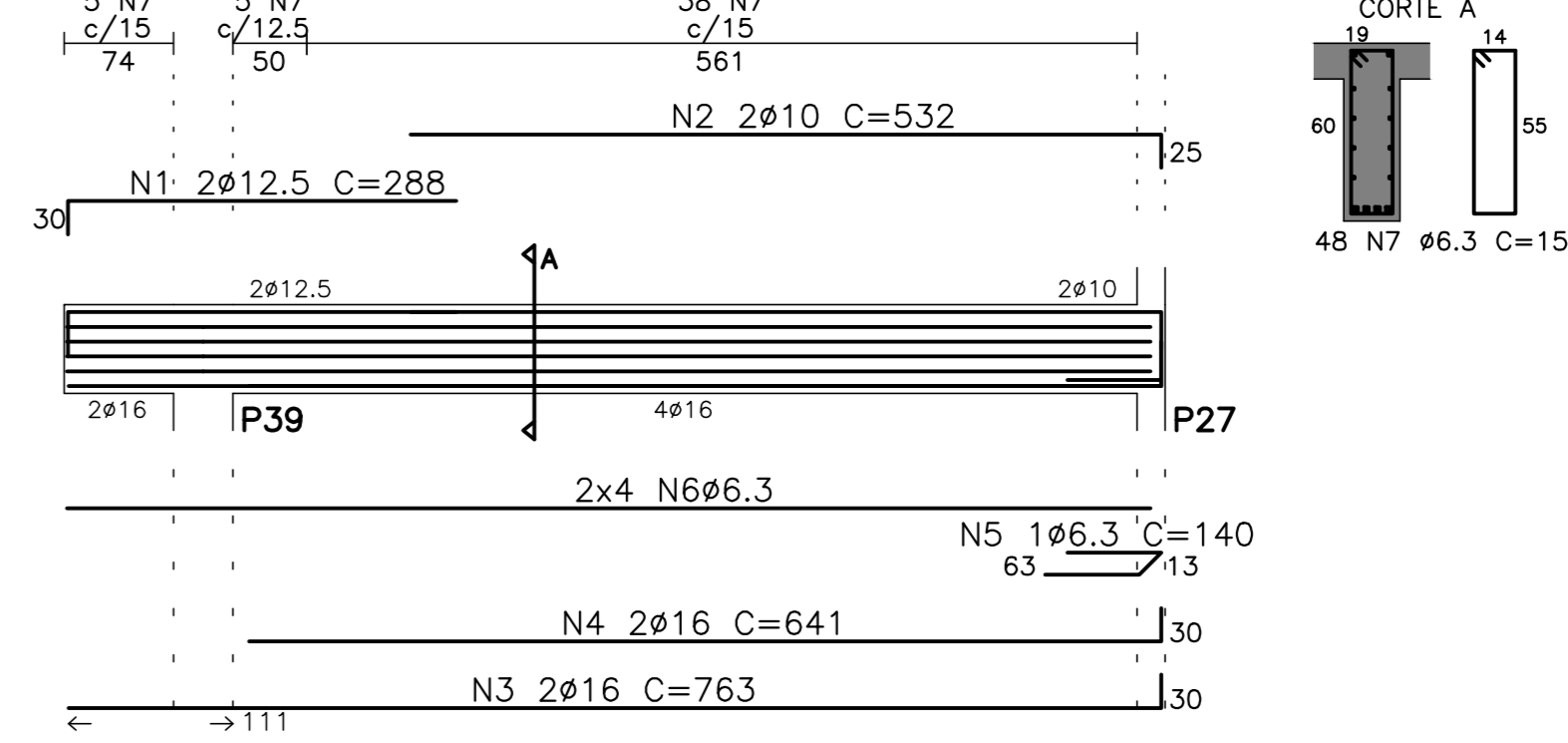
V125=V127=V129=V135=V137=V139



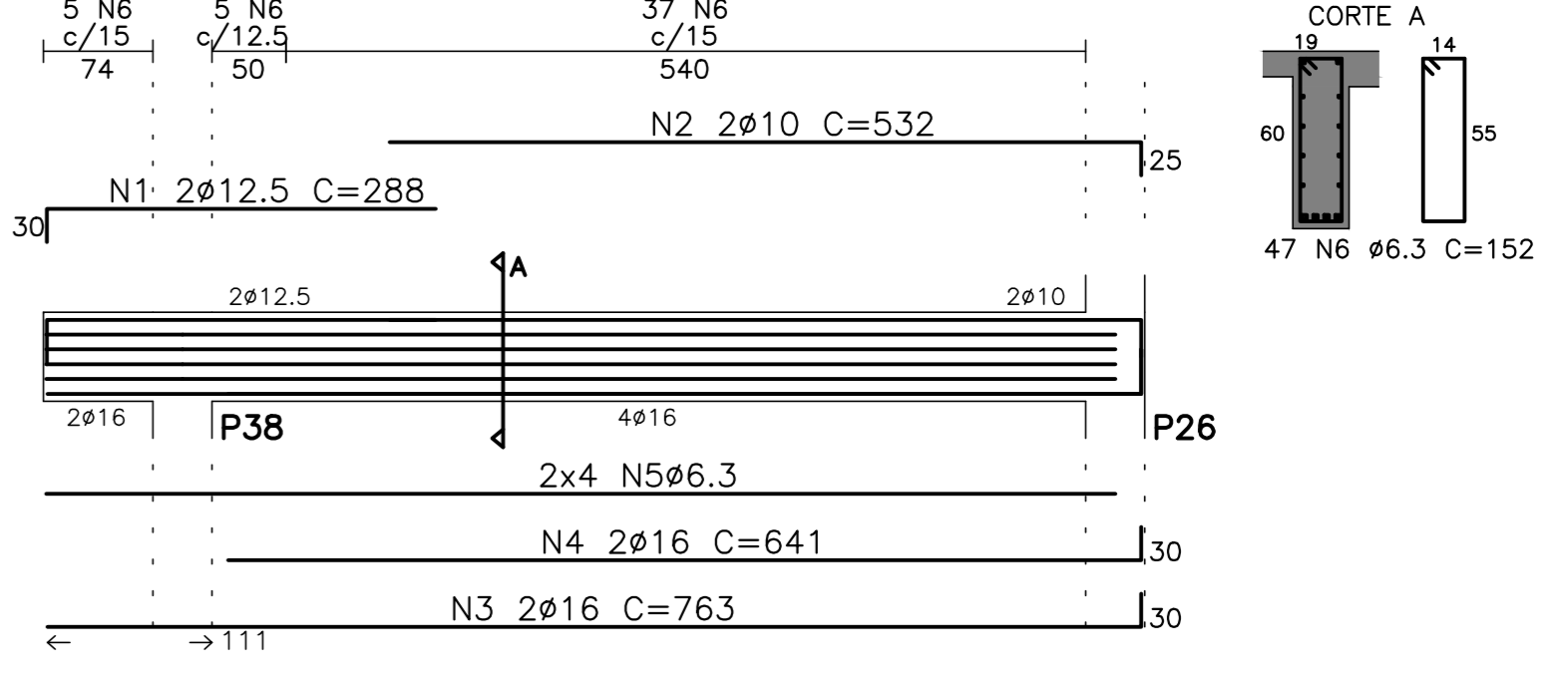
V142=V149 (20/60) (8x)



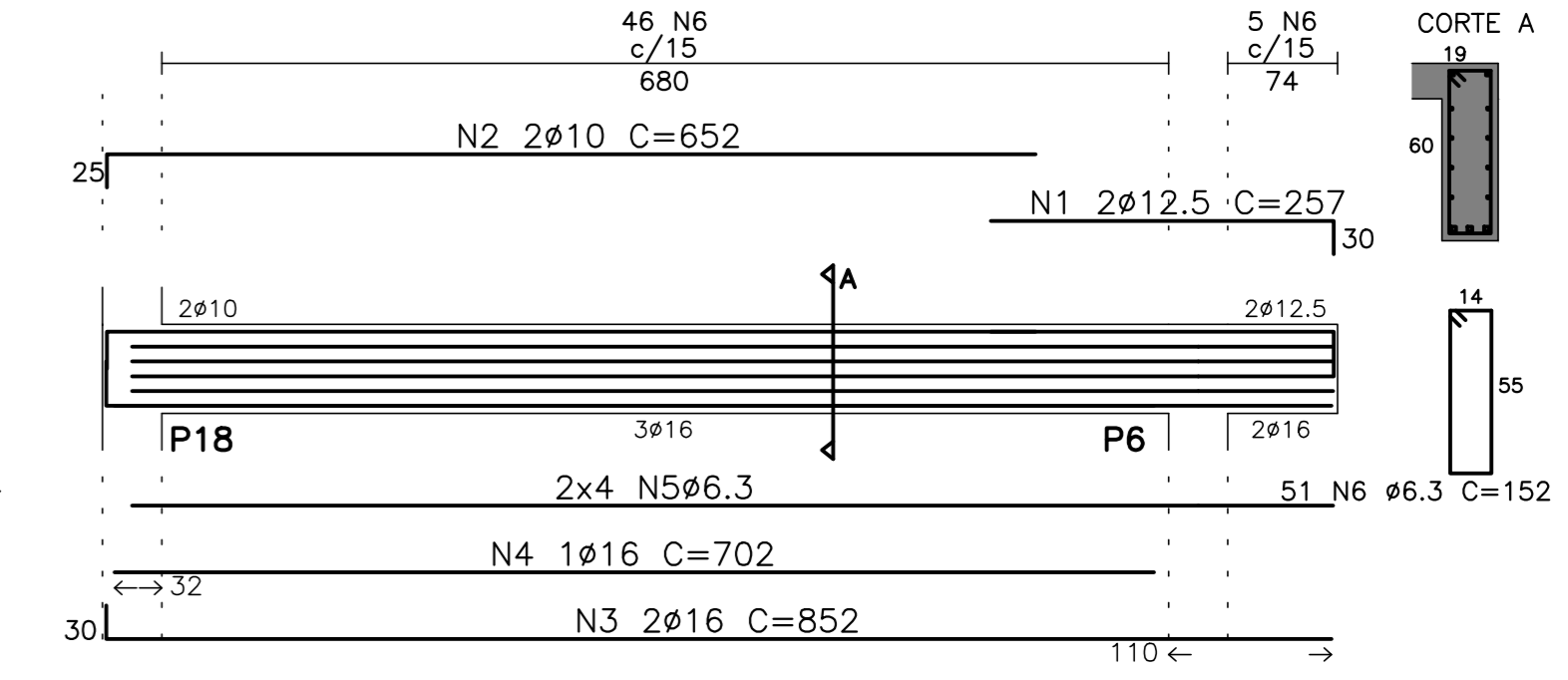
V124=V126 (19/60) (2x)



V121=V128=V134=V136=V138=V140=V150 (19/60) (7x)



V131=V133 (19/60) (2x)



V110

N	Q	UNI	TOTAL
1	12.5	2	25
2	12.5	2	25
3	12.5	2	25
4	12.5	2	25
5	12.5	2	25
6	12.5	2	25
7	12.5	2	25
8	12.5	2	25
9	12.5	2	25
10	12.5	2	25
11	12.5	2	25
12	12.5	2	25
13	12.5	2	25
14	12.5	2	25
15	12.5	2	25
16	12.5	2	25

V111

N	Q	UNI	TOTAL
1	12.5	2	25
2	12.5	2	25
3	12.5	2	25
4	12.5	2	25
5	12.5	2	25
6	12.5	2	25
7	12.5	2	25
8	12.5	2	25
9	12.5	2	25
10	12.5	2	25
11	12.5	2	25
12	12.5	2	25
13	12.5	2	25
14	12.5	2	25
15	12.5	2	25
16	12.5	2	25

V112

N	Q	UNI	TOTAL
1	12.5	2	25
2	12.5	2	25
3	12.5	2	25
4	12.5	2	25
5	12.5	2	25
6	12.5	2	25
7	12.5	2	25
8	12.5	2	25
9	12.5	2	25
10	12.5	2	25
11	12.5	2	25
12	12.5	2	25
13	12.5	2	25
14	12.5	2	25
15	12.5	2	25
16	12.5	2	25
17	12.5	2	25
18	12.5	2	25

V120=V146

N	Q	UNI	TOTAL
1	12.5	2	25
2	12.5	2	25
3	12.5	2	25
4	12.5	2	25
5	12.5	2	25
6	12.5	2	25
7	12.5	2	25
8	12.5	2	25
9	12.5	2	25
10	12.5	2	25
11	12.5	2	25
12	12.5	2	25
13	12.5	2	25
14	12.5	2	25
15	12.5	2	25
16	12.5	2	25
17	12.5	2	25
18	12.5	2	25

V125=V127=V129=V135=V137=V139

N	Q	UNI	TOTAL
1	12.5	2	25
2	12.5	2	25
3	12.5	2	25
4	12.5	2	25
5	12.5	2	25
6	12.5	2	25
7	12.5	2	25
8	12.5	2	25
9	12.5	2	25
10	12.5	2	25
11	12.5	2	25
12	12.5	2	25
13	12.5	2	25
14	12.5	2	25
15	12.5	2	25
16	12.5	2	25
17	12.5	2	25
18	12.5	2	25

V131=V133

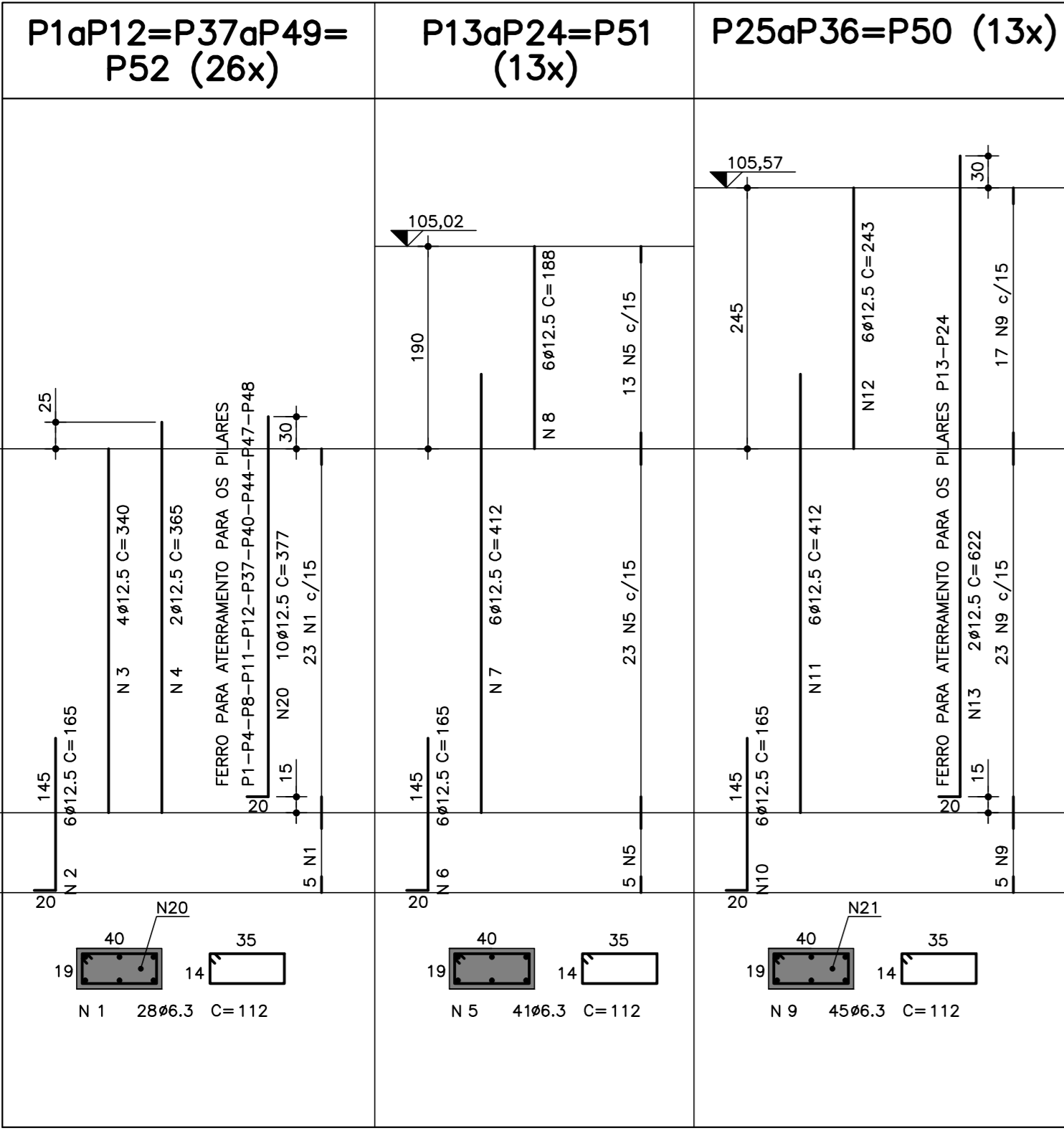
N	Q	UNI	TOTAL
1	12.5	2	25
2	12.5	2	25
3	12.5	2	25
4	12.5	2	25
5	12.5	2	25
6	12.5	2	25
7	12.5	2	25
8	12.5	2	25
9	12.5	2	25
10	12.5	2	25
11	12.5	2	25
12	12.5	2	25
13	12.5	2	25
14	12.5	2	25
15	12.5	2	25
16	12.5	2	25
17	12.5	2	25
18	12.5	2	25

V147=V148

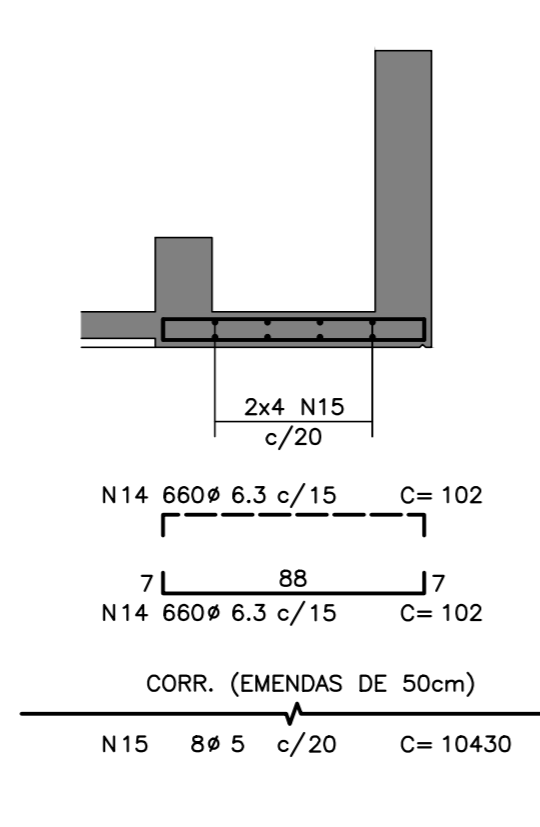
N	Q	UNI	TOTAL
1	12.5	2	25
2	12.5	2	25
3	12.5	2	25
4	12.5	2	25
5	12.5	2	25
6	12.5	2	25
7	12.5	2	25
8	12.5	2	25
9	12.5	2	25
10	12.5	2	25
11	12.5	2	25
12	12.5	2	25
13	12.5	2	25
14	12.5	2	25
15	12.5	2	25
16	12.5	2	25
17	12.5	2	25
18	12.5	2	25

RESUMO DAS VIGAS DA COBERTURA (02/02)

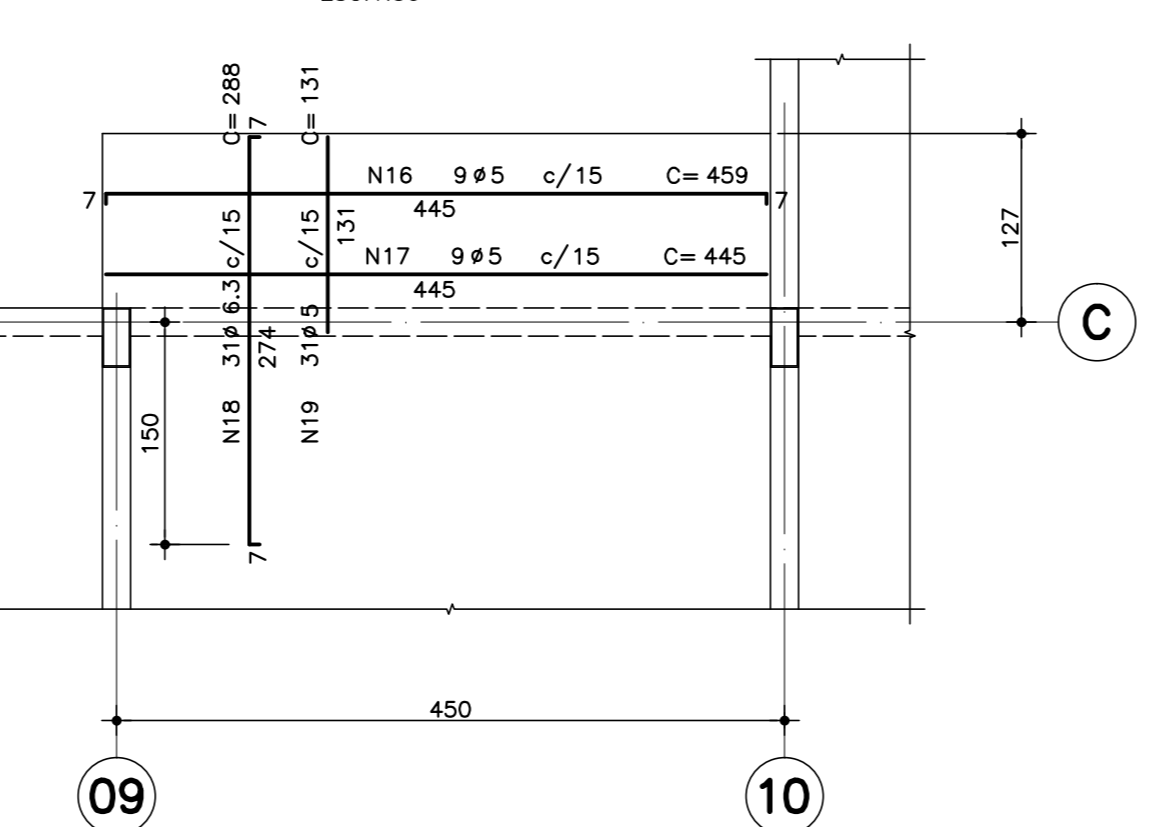
ACO #	COMPRI (cm)	PESO (kg)
80B	5	1165.54
50A	6.3	381.90
50A	8	165
50A	10	624.78
50A	12.5	3400.6
50A	16	961.84
50A	20	848.8
50A	25	1165.54
TOTAL		3628



LM101 A LM120 H=12



LM121 H=12



LISTA DE FERROS

POS.	Ø	QUANT.	COMPRI	UNIT.	TOTAL
1	6.3	728	112	81538	
2	12.5	156	165	25740	
3	12.5	104	340	35360	
4	12.5	52	365	18880	
5	6.3	533	112	59696	
6	12.5	78	165	12870	
7	12.5	78	412	32136	
8	12.5	78	188	14664	
9	6.3	585	112	65520	
10	12.5	78	165	12870	
11	12.5	78	412	32136	
12	12.5	78	243	18954	
13	12.5	4	622	2488	
14	6.3	1320	132	134640	
15	5	8	10430	83440	
16	5	9	459	4131	
17	5	9	445	4005	
18	6.3	31	288	8928	
19	5	31	131	4061	
20	12.5	100	377	37700	

RESUMO DE ACO C.A. 50

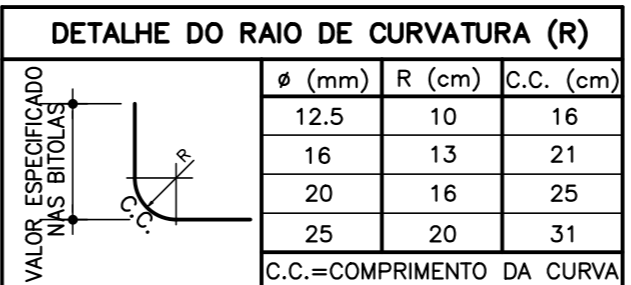
Ø	COMPRI (m)	PESO (kg)
6.3	3503.20	876
8		
10		
12.5	2438.98	2439
16		
20		
25		
TOTAL (kg)		3315

RESUMO DE ACO C.A. 60

Ø	COMPRI (m)	PESO (kg)
5	956.37	147
6		
TOTAL (kg)		147

NOTAS:

- 01-CONCRETO= fck ≥ 25 MPa
- 02-ACO= CA=50 = fyk=500 MPa
- CA=60 = fyk=600 MPa
- 03-MEDIDAS EM cm, NIVES EM m.
- 04-NÃO TIRAR MEDIDAS EM ESCALA.
- 05-CONFIRMAR MEDIDAS NO LOCAL.
- 06- COBRIMENTO=2,5cm.



APPROVAÇÃO	DATA	APPROVAÇÃO	DATA
AUTOR DO PROJETO		FIDE	

FDE
FUNDAÇÃO PARA O DESENVOLVIMENTO DA EDUCAÇÃO

PROJETO DESENVOLVIDO POR ENG. CIVIL ENGENHARIA E PROJETOS ESTRUTURAIS A PARTIR DO PAD CR-1 12.01.044
RESPONSÁVEL TÉCNICO: NELSON SHOTARO YOKOI - CREA 006056704-02

FUNDAÇÃO PARA O DESENVOLVIMENTO DA EDUCAÇÃO - F D E

ESCALA = NOMINAL

PROJETO EXECUTIVO DE ESTRUTURA

INDICADA

27/00