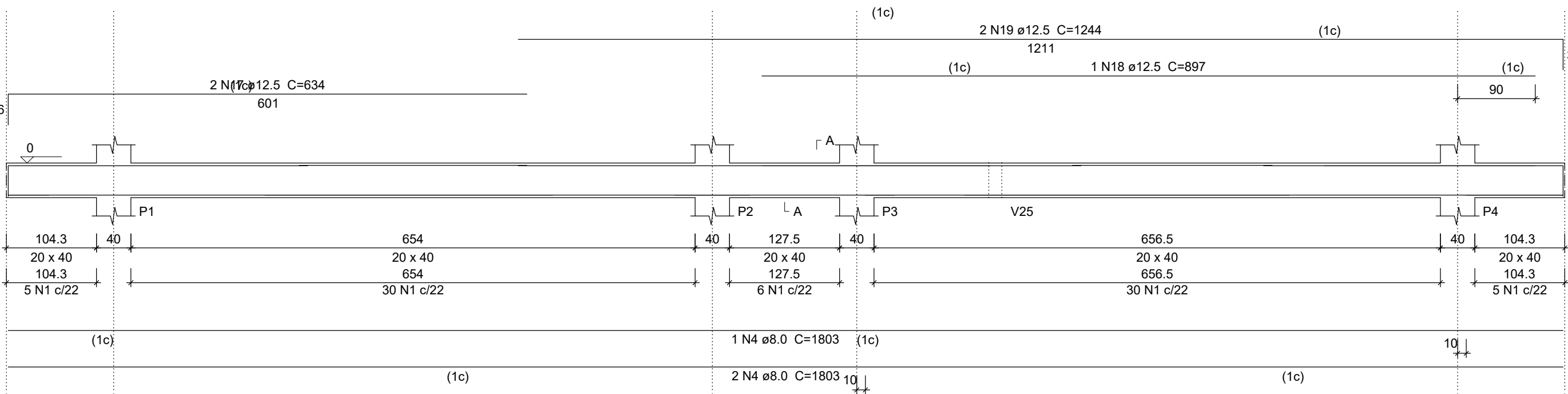


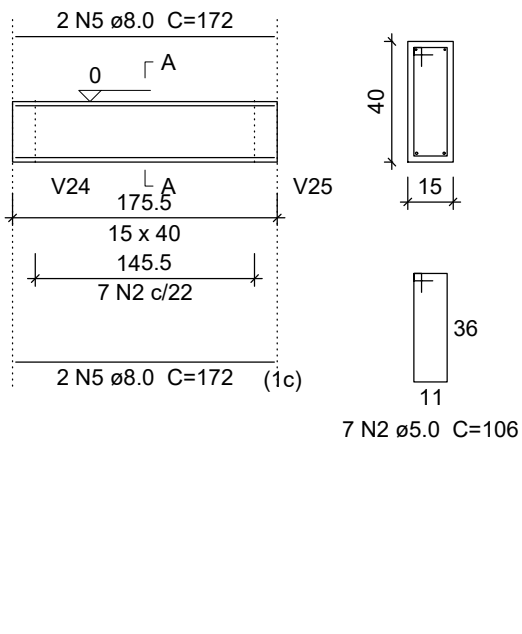
V1

ESC 1:50



V2

ESC 1:50

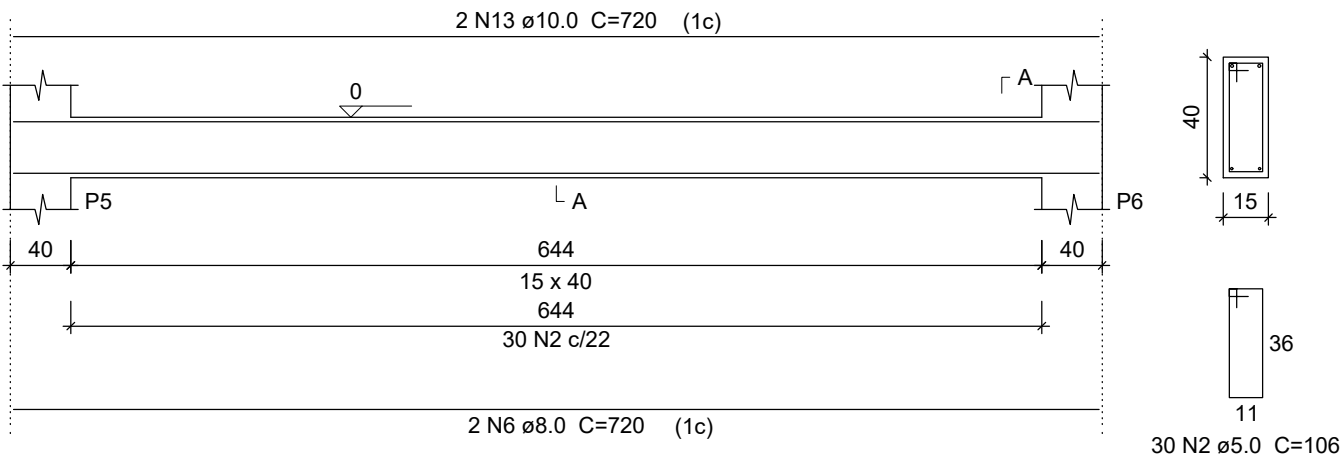


SEÇÃO A-A

ESC 1:25

V3

ESC 1:50



SEÇÃO A-A

ESC 1:25

Relação do aço

V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	V12
V13	V14	V15
V16	V17	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	76	116	8816
	2	5.0	463	106	49078
CA50	3	5.0	6	254	1524
	4	8.0	3	1803	5409
	5	8.0	4	172	688
	6	8.0	26	720	18720
	7	8.0	2	927	1854
	8	8.0	2	737	1474
	9	8.0	4	375	1500
	10	8.0	2	433	866
	11	8.0	2	603	1206
	12	8.0	2	404	808
	13	10.0	8	720	5760
	14	10.0	4	183	732
	15	10.0	2	739	1478
16	10.0	2	654	1308	
17	12.5	2	634	1268	
18	12.5	1	897	897	
19	12.5	2	1244	2488	
20	12.5	1	493	493	
21	12.5	2	783	1566	
22	12.5	6	742	4452	
23	12.5	2	1616	3232	

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barras)
CA50	8.0	325.3	30
	10.0	92.8	9
	12.5	144	14
CA60	5.0	594.2	55

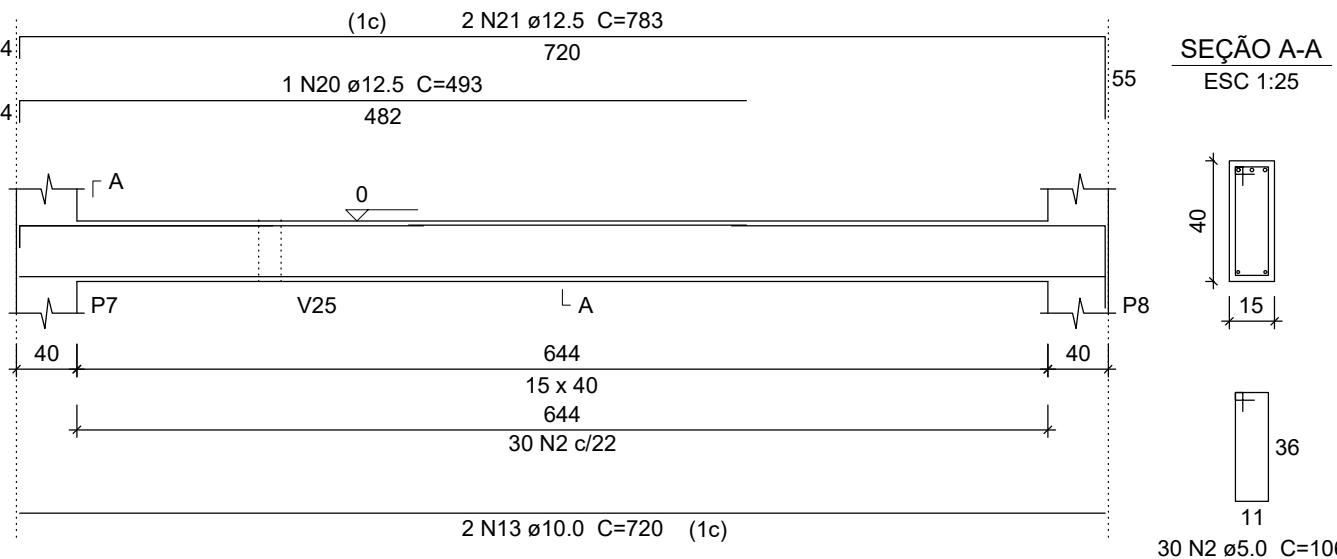
PESO TOTAL (kg)

CA50	356.6
CA60	100.7

Volume de concreto (C-20) = 8.1 m³  
Área de forma = 123.39 m²

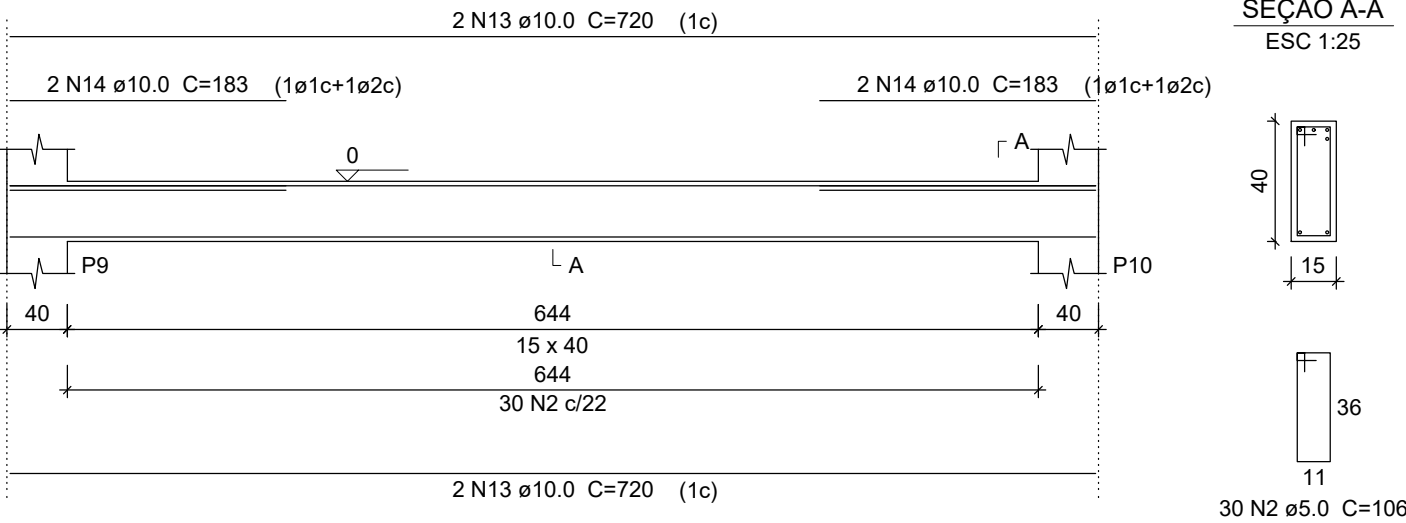
V4

ESC 1:50



V5

ESC 1:50

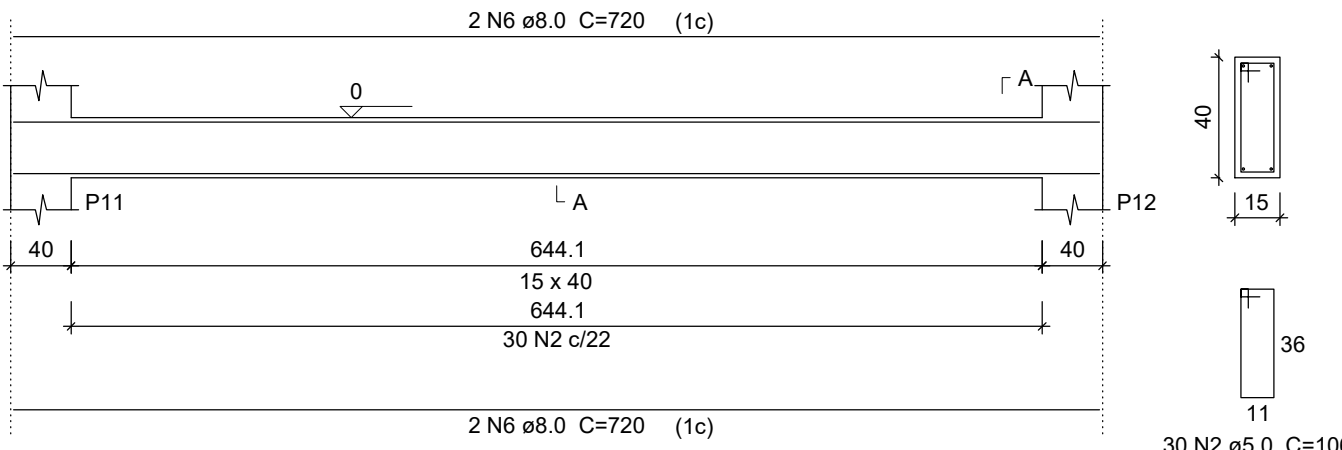


SEÇÃO A-A

ESC 1:25

V6

ESC 1:50

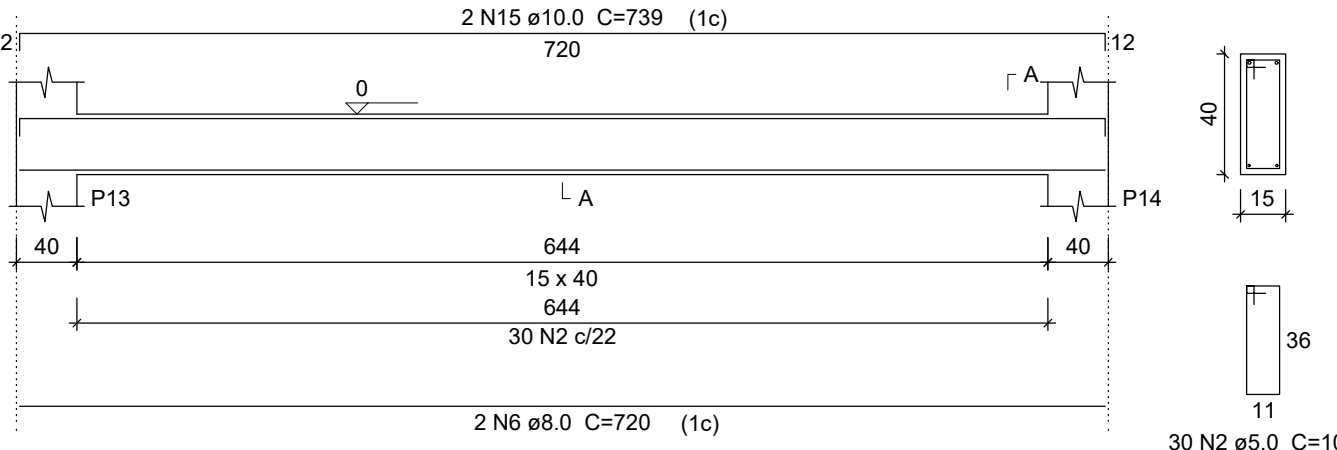


SEÇÃO A-A

ESC 1:25

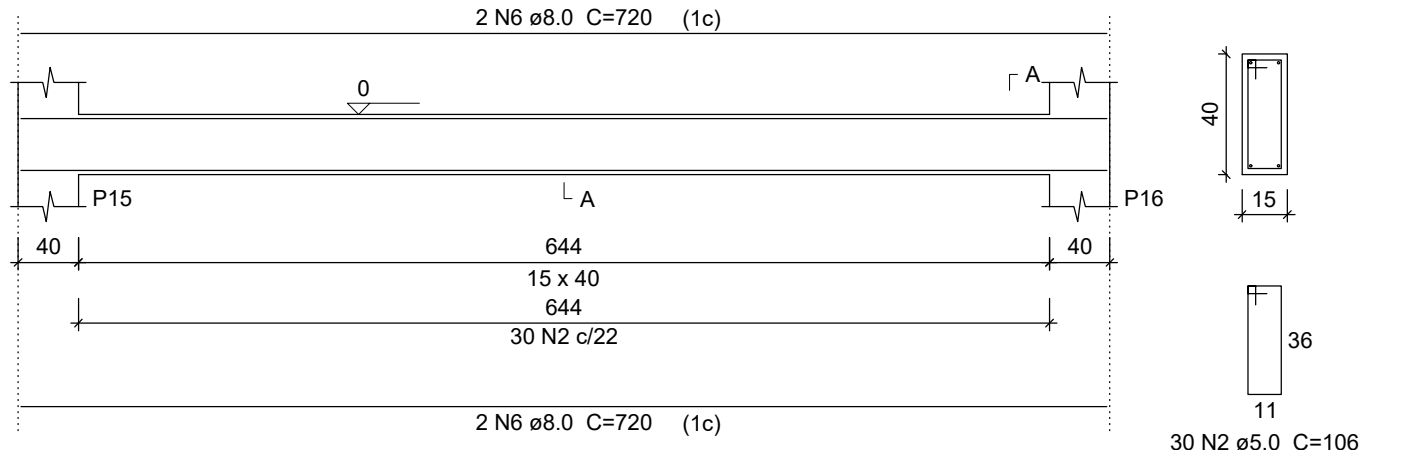
V7

ESC 1:50



V8

ESC 1:50

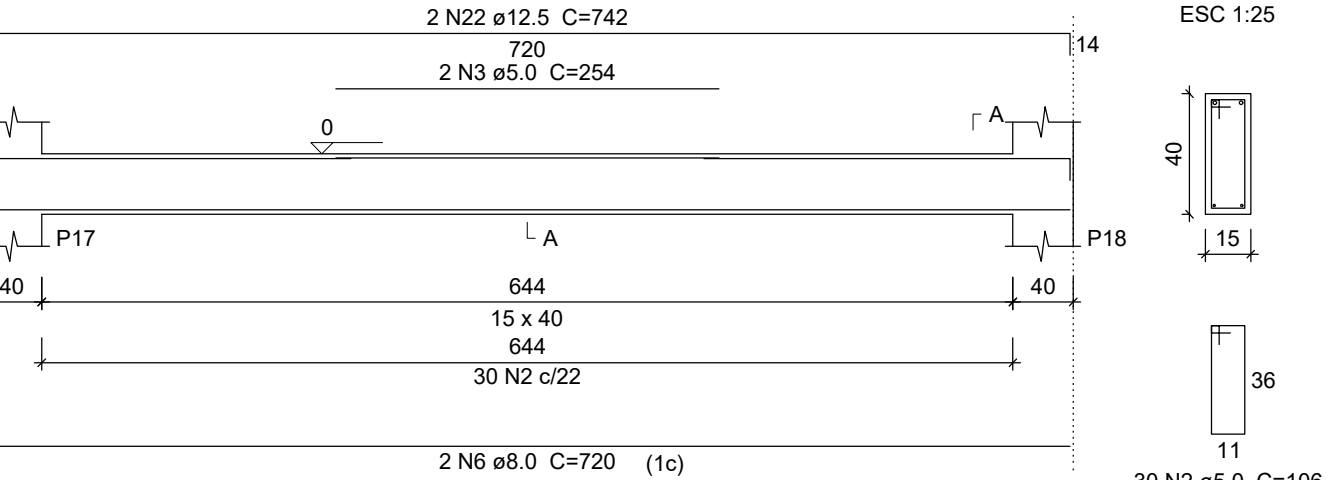


SEÇÃO A-A

ESC 1:25

V9

ESC 1:50

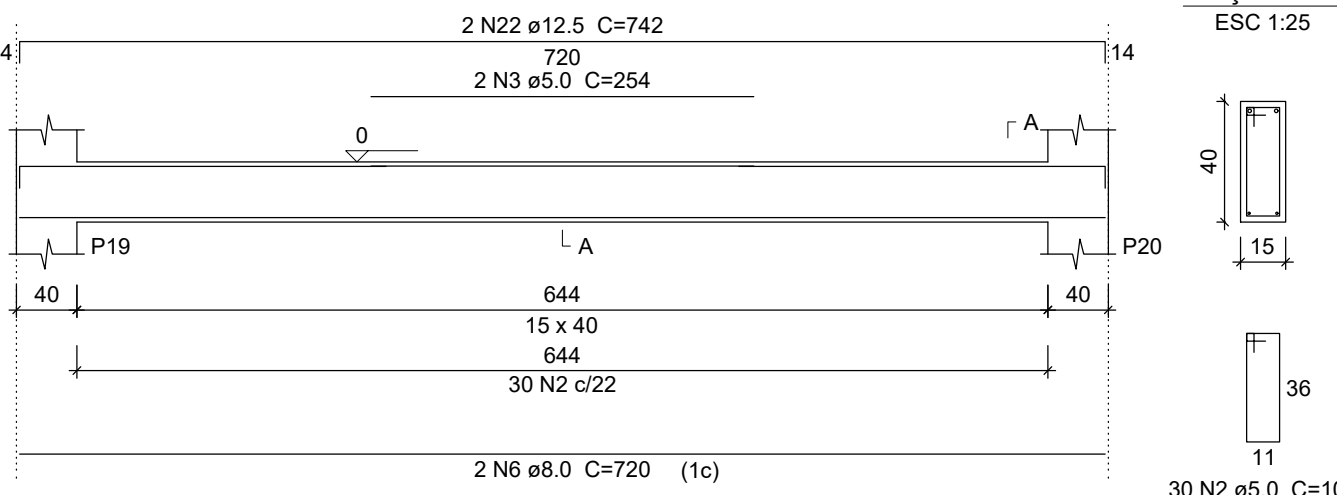


SEÇÃO A-A

ESC 1:25

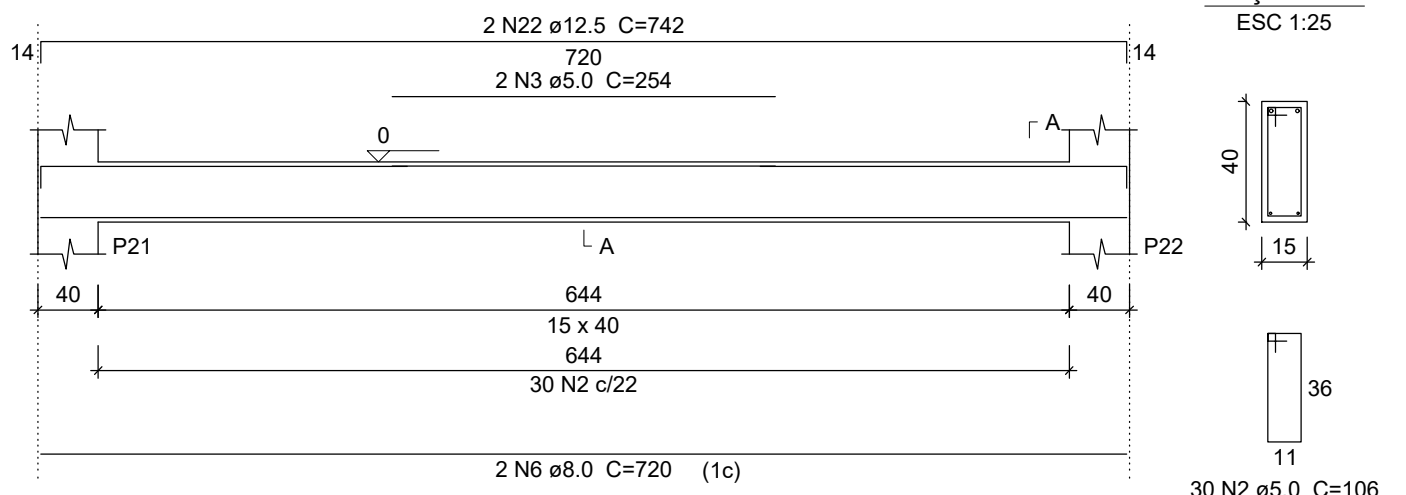
V10

ESC 1:50



V11

ESC 1:50

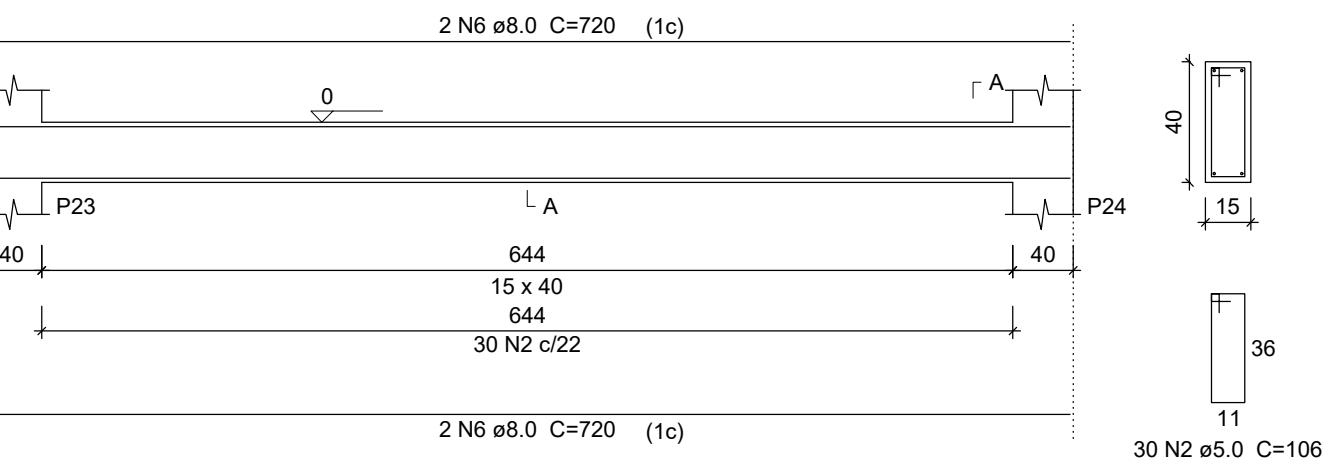


SEÇÃO A-A

ESC 1:25

V12

ESC 1:50

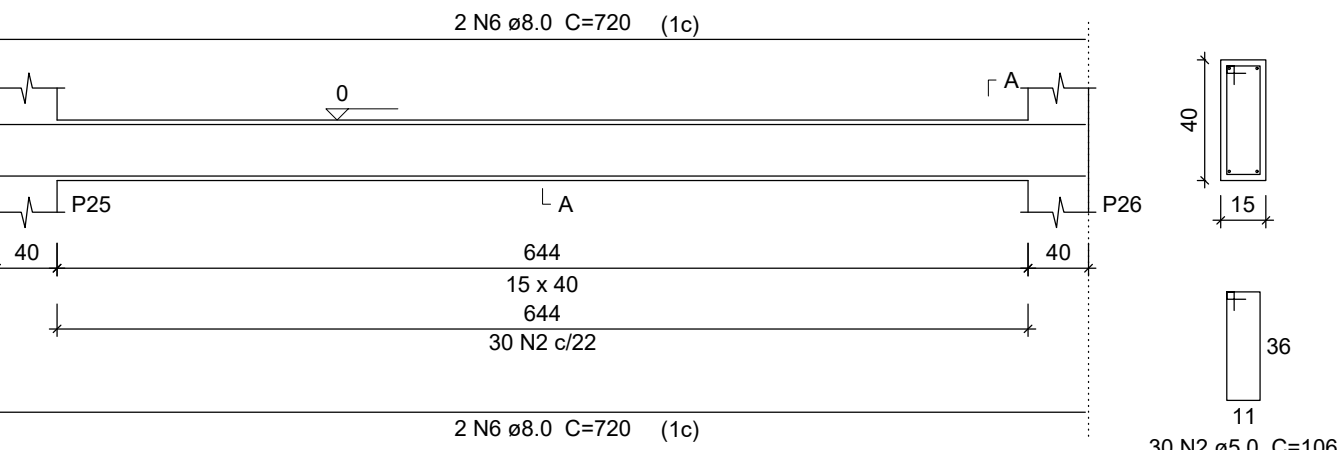


SEÇÃO A-A

ESC 1:25

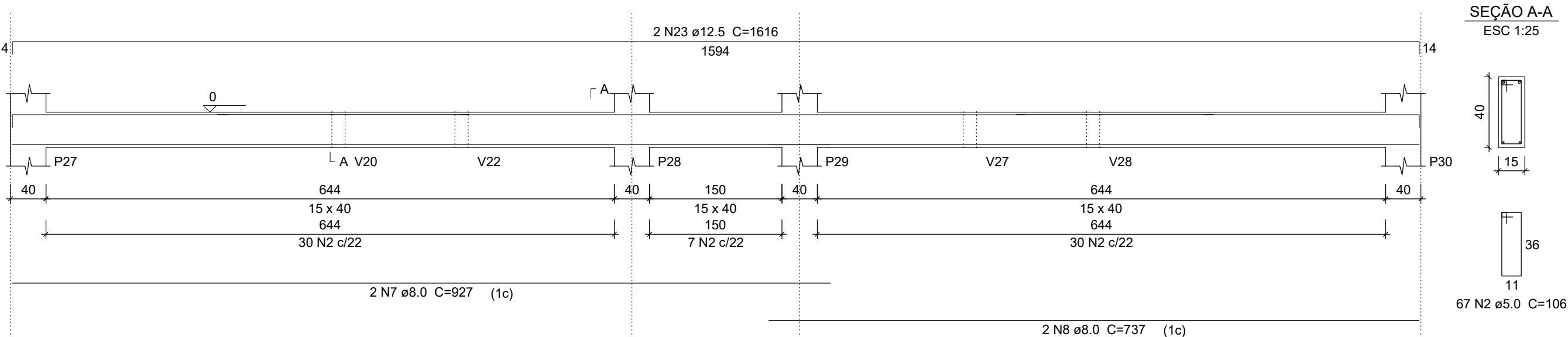
V13

ESC 1:50



V14

ESC 1:50

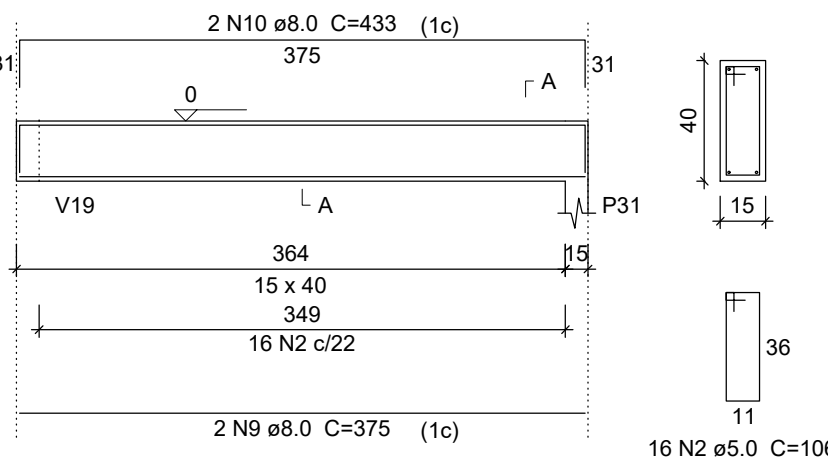


SEÇÃO A-A

ESC 1:25

V15

ESC 1:50

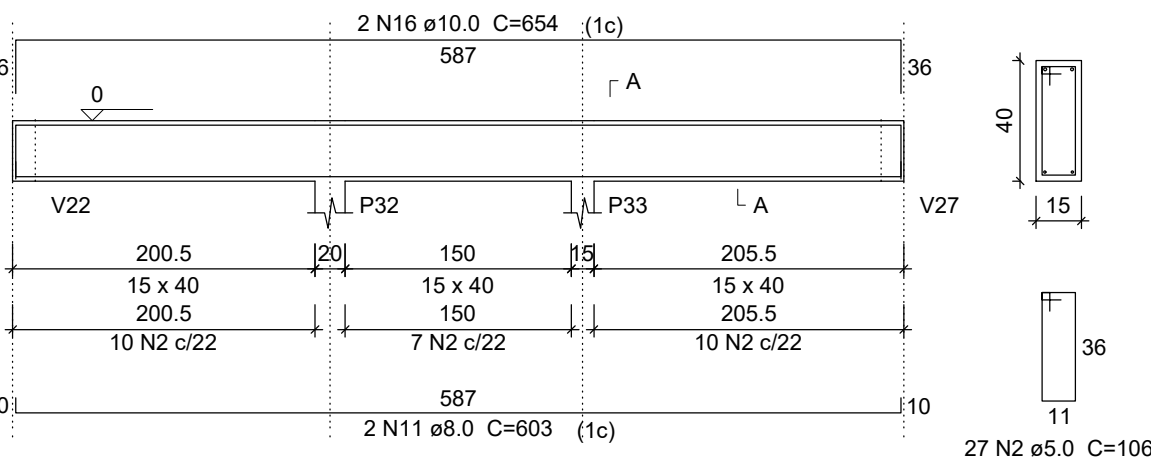


SEÇÃO A-A

ESC 1:25

V16

ESC 1:50

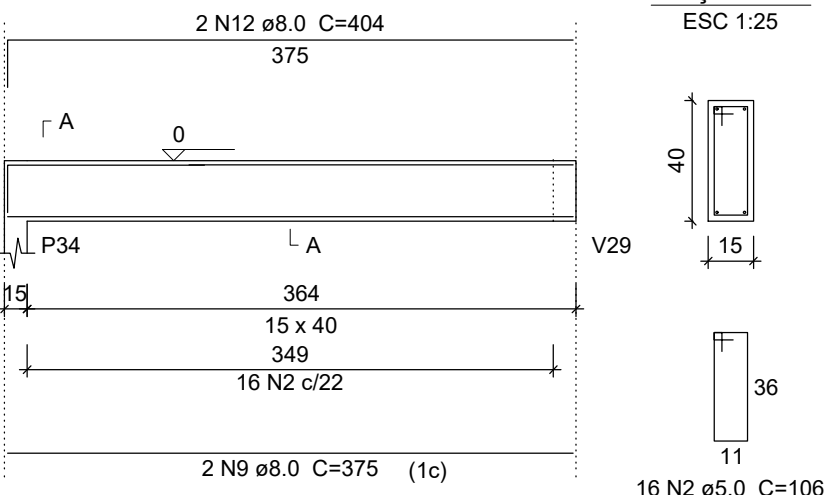


SEÇÃO A-A

ESC 1:25

V17

ESC 1:50



SEÇÃO A-A

ESC 1:25

PROJETO DE ESTRUTURA EM CONCRETO

Instituto Federal de Educação, Ciência e Tecnologia Baiano  
Campus Guanambi

VIGAS BALDRAMES

Arq. Michel Fernandes Macêdo CAU: A48114.9

Escala: indicada

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DESENHO

01/02

FOLHA

08/12

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gavesprojetos@gmail.com

PERFILS P/RELAÇÃO DE AÇO  
CA50 - 3.250  
CA60 - 3.250  
CA70 - 3.250  
CA80 - 3.250  
CA90 - 3.250  
CA100 - 3.250  
CA110 - 3.250  
CA120 - 3.250  
CA130 - 3.250  
CA140 - 3.250  
CA150 - 3.250