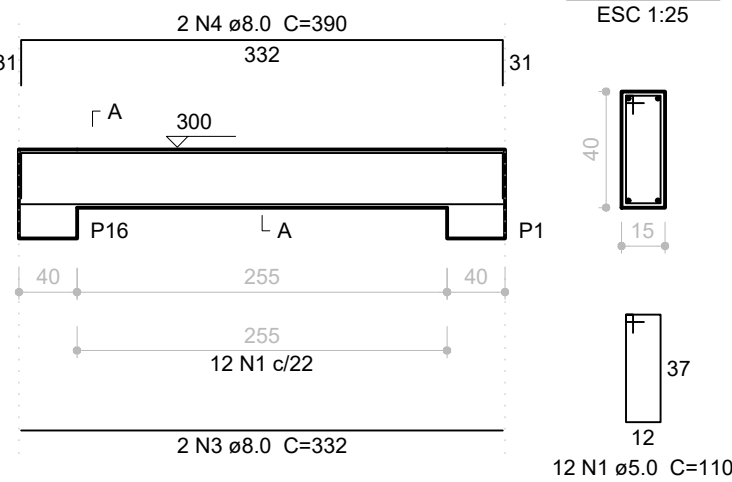


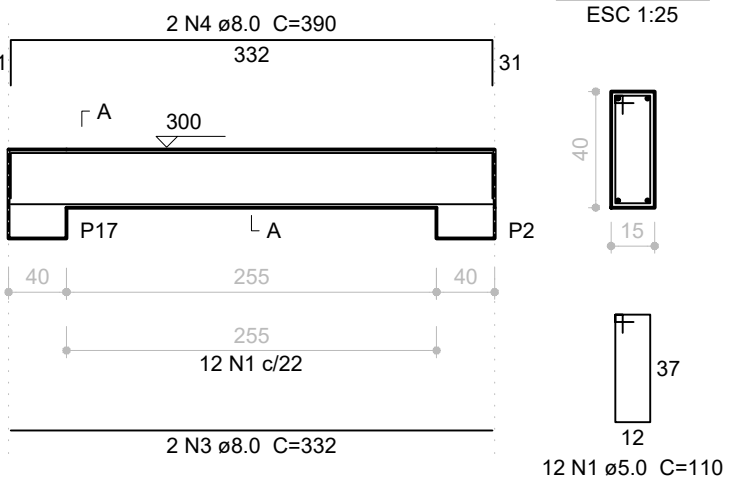
V4

ESC 1:50



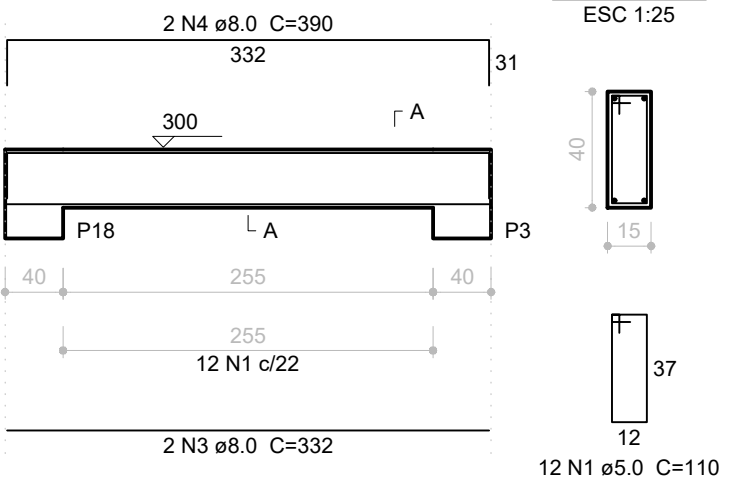
V5

ESC 1:50



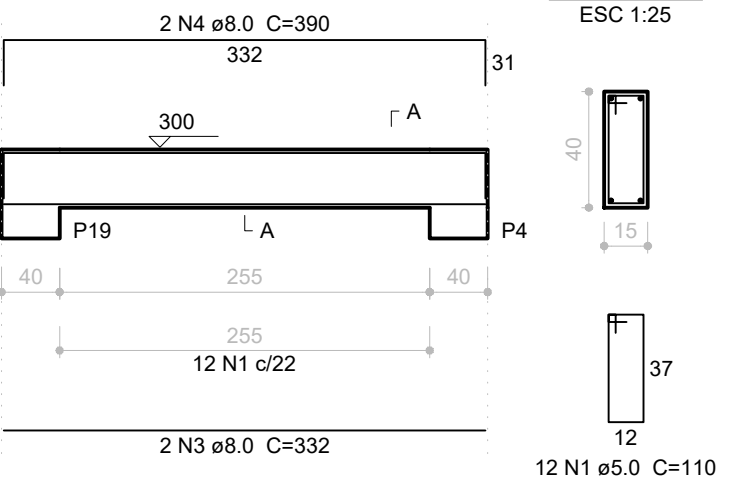
V6

ESC 1:50



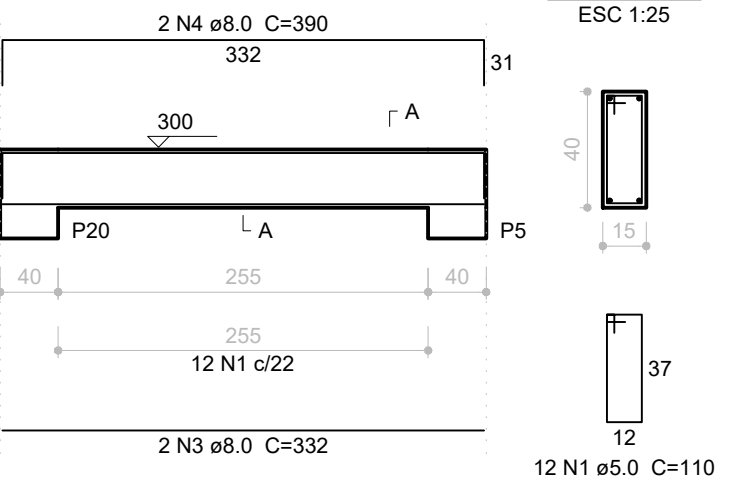
V7

ESC 1:50



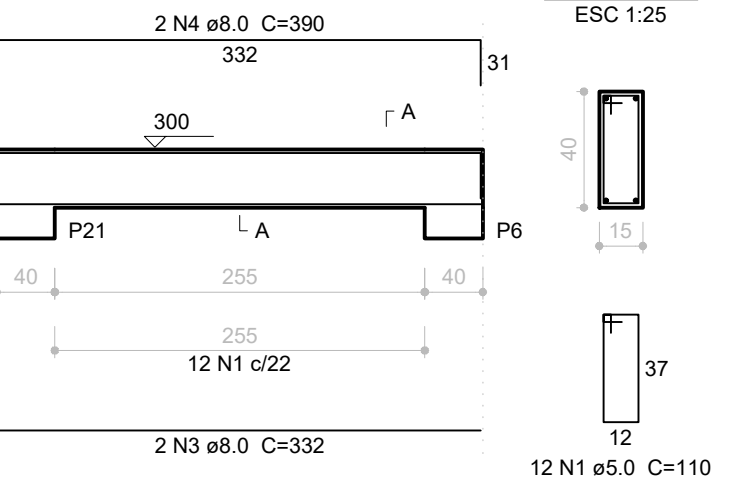
V8

ESC 1:50



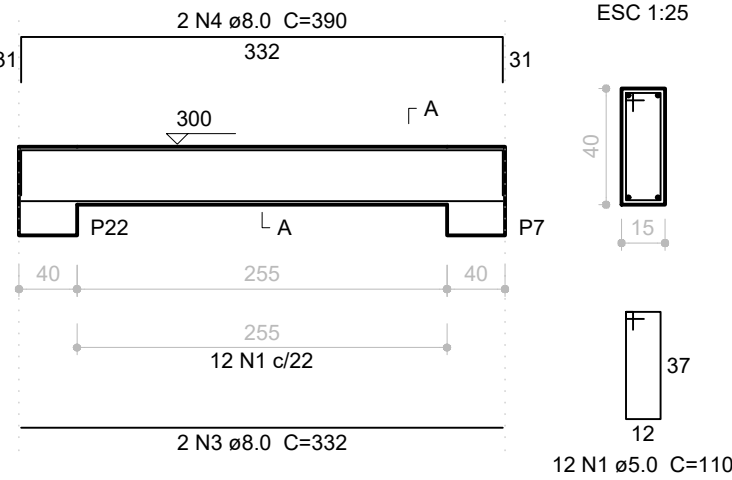
V9

ESC 1:50



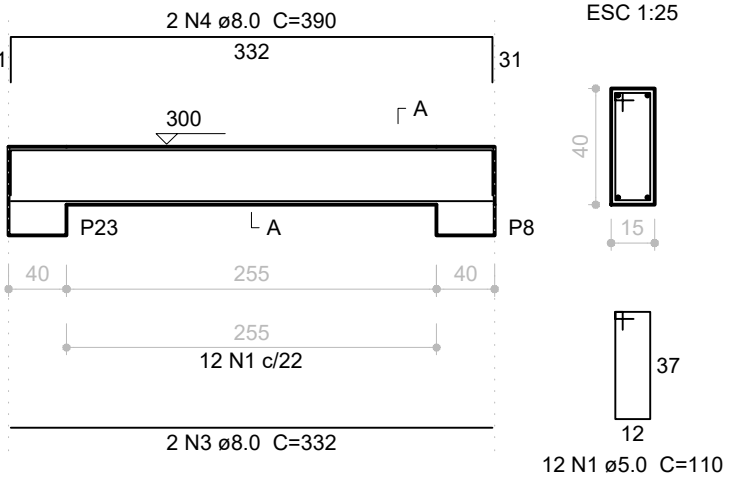
V10

ESC 1:50



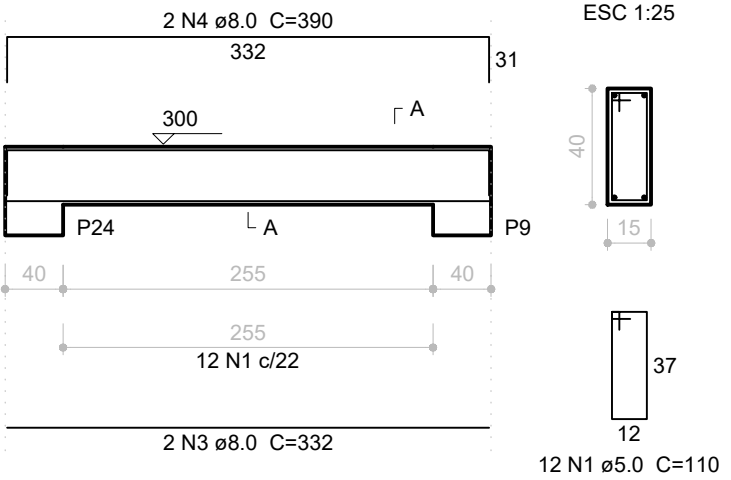
V11

ESC 1:50



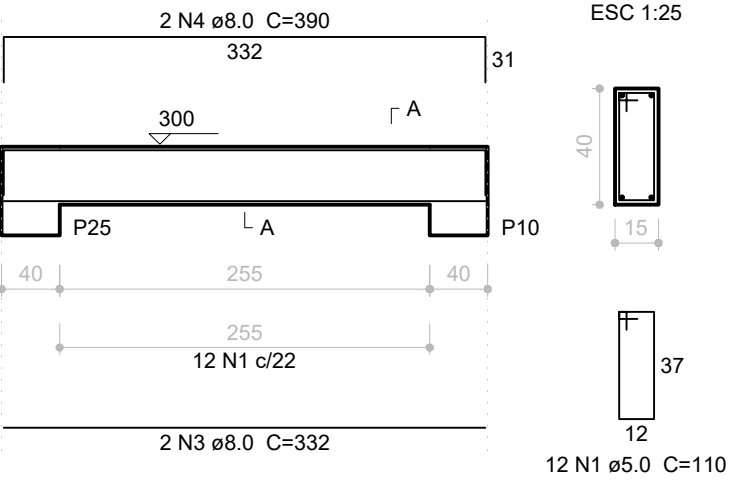
V12

ESC 1:50



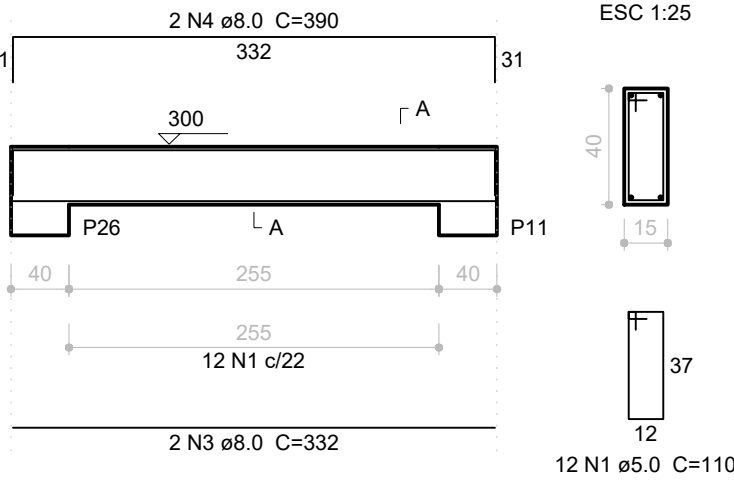
V19

ESC 1:50



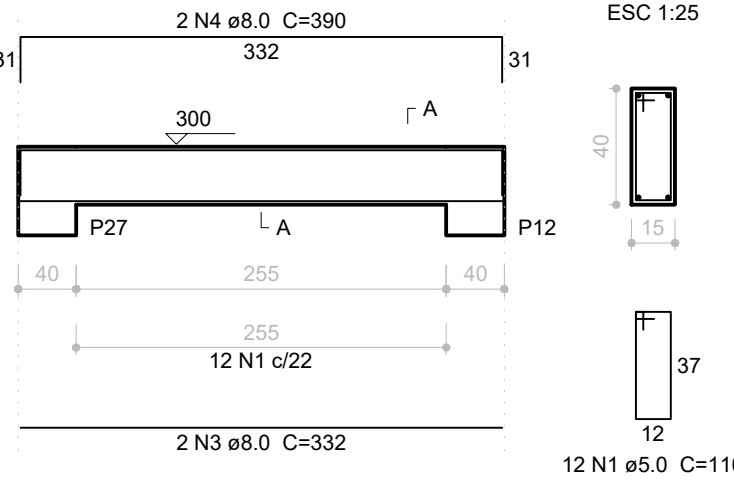
V20

ESC 1:50



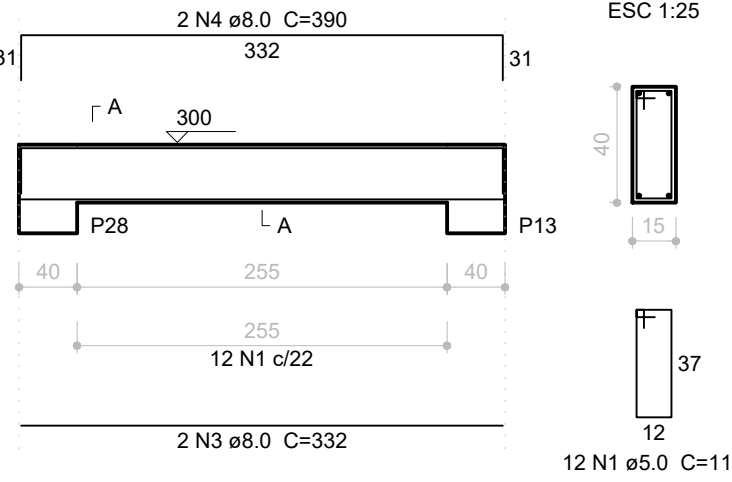
V21

ESC 1:50



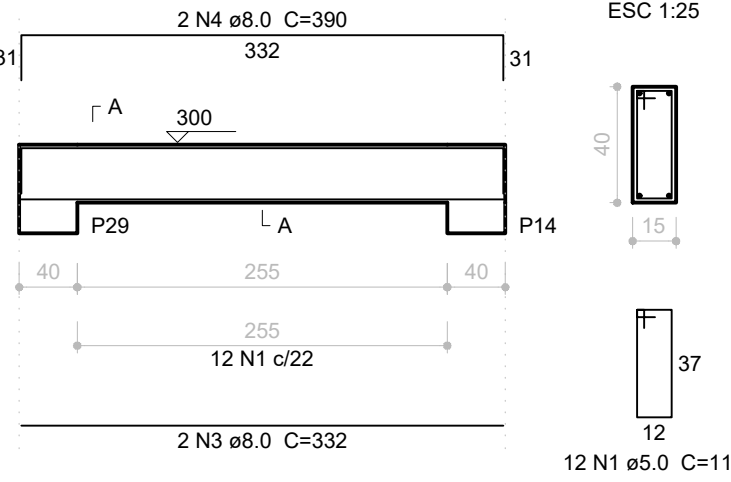
V22

ESC 1:50



V23

ESC 1:50



Relação do aço

28xP1	V4	V5
V6	V7	V8
V9	V10	V11
V12	V19	V20
V21	V22	V23

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	1120	110	123200
	2	5.0	952	27	25704
CA50	3	8.0	28	332	9296
	4	8.0	28	390	10920
	5	8.0	168	298	50064

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	702.8	305
CA60	5.0	1489.1	252.5
PESO TOTAL			
CA50	305		
CA60	252.5		

Vol. de concreto total (C-20) = 7.85 m³
Área de forma total = 136.96 m²

Resumo de Materiais (Moldados in Loco)

Pavimento	Elemento	Peso do aço +10 % (kg)	Volume de concreto (m³)	Área de forma (m²)	Consumo de aço (kg/m³)	Peso treliças (kg)
LAJE SUPERIOR	Vigas	354.3	8.2	130.2	43.1	
	Pilares	436.8	5.0	92.4	86.7	
	Lajes	418.6	12.3	122.7	34.1	
	Escadas	0.0	0.0	0.0	0.0	
	Fundações	0.0	0.0	0.0	0.0	
	Total	1209.7	25.5	345.3	47.4	0.0
BALDRAME	Vigas	459.2	10.7	169.3	43.0	
	Pilares	314.2	3.2	59.4	97.0	
	Lajes	1098.7	18.0	179.8	61.1	
	Escadas	0.0	0.0	0.0	0.0	
	Fundações	271.9	7.7	32.6	35.3	
	Total	2144.1	39.6	441.0	54.1	0.0
Aço	Diâmetro	Peso + 10 % (kg)				
CA50	8.0	570.4				
	5.0	243.0				
	Total	813.5				
Peso total + 10% (kg)	CA50	570.4				
	CA60	243.0				
	Total	813.5				
Volume concreto (m³)	C-20	18.9				
	C-40		8.3			
	Total	18.9	8.3			
Área de forma (m²)		299.5	151.8	302.5	32.6	
	Consumo de aço (kgf/m³)	43.0	90.7	50.2	35.3	51.5

VALOR SEM
ACRESCIMO DE 10%
2.057,80
991,00

PREFEITURA		DESENHO CAD: BEATRIZ RUBIO	
MAURICIO PINHEIRO FERREIRA PREFEITO MUNICIPAL DE CAIANA		RESP. TÉCNICO: ANA PAULA RIZZI OLIVEIRA CREA MG 161.3030/D	
PROPRIETÁRIO: PREFEITURA MUNICIPAL DE CAIANA			
PROGRAMA: SECRETARIA DE ESTADO DE GOVERNO			
MUNICÍPIO/LOCAL: Cemitério Municipal - Caiana / MG			
TÍTULO: PROJETO PARA A CONSTRUÇÃO DE UM CEMITÉRIO VERTICAL CALCULO ESTRUTURAL			
DATA: MARÇO / 2024		ESCALA: 1:100	PRANCHA: 01/05
ARQUIVO:			