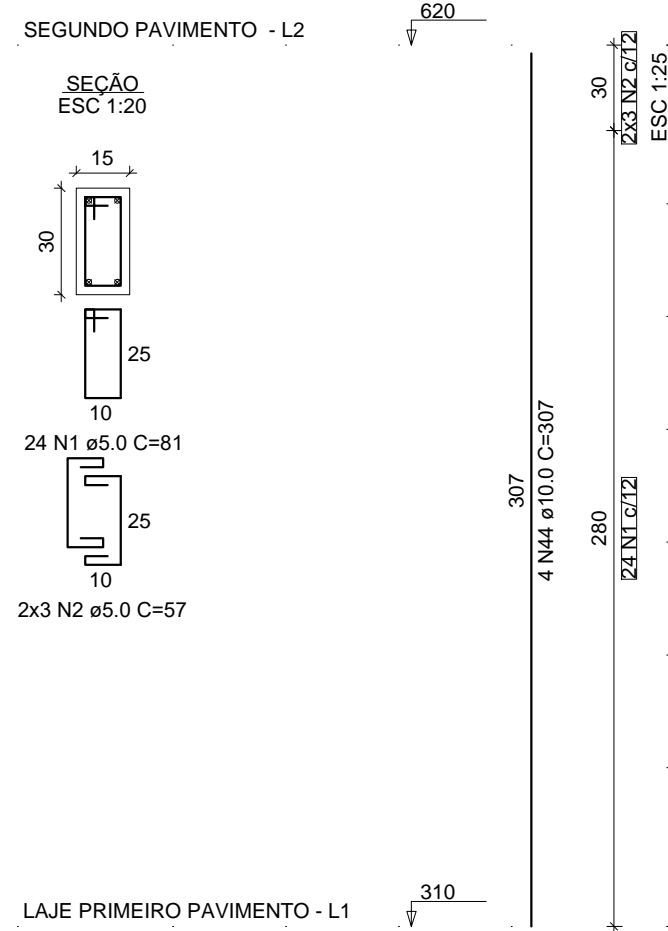
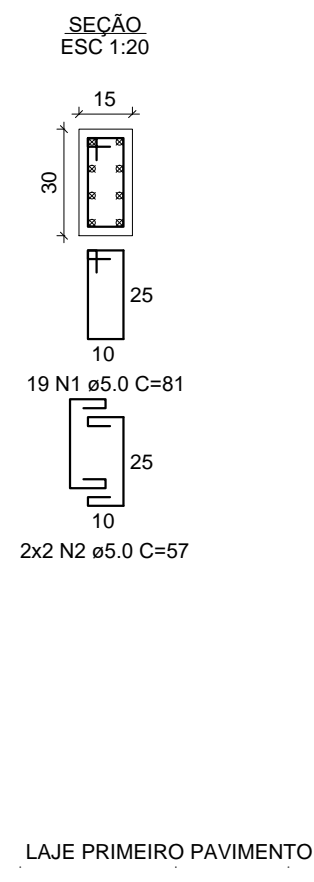


P1=P2=P5=P6=P9=P10=P14=P15=
=P18=P19=P20=P21=P24=P25=P26=
=P27=P32=P33=P35=P37=P38



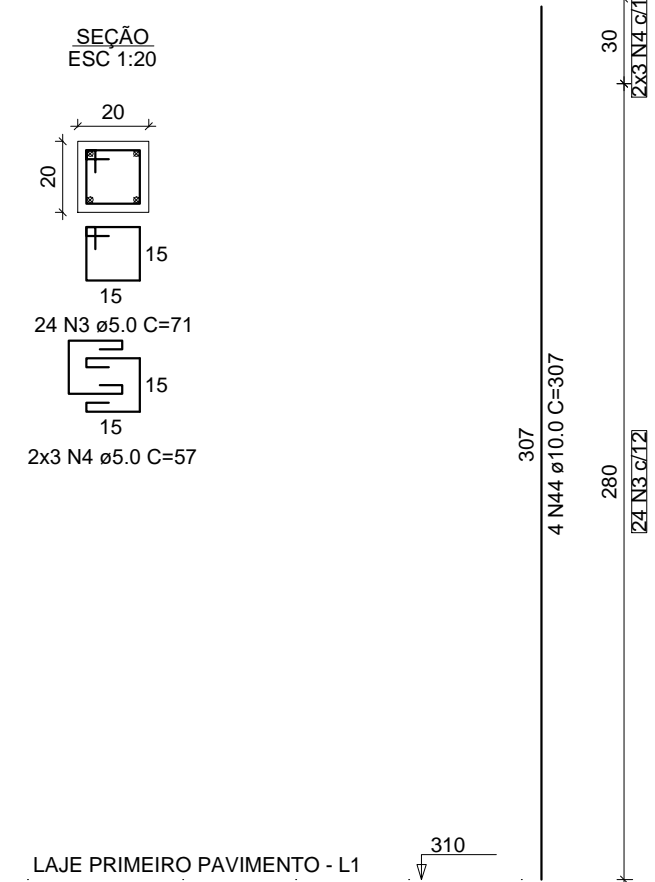
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SEGUNDO PAVIMENTO - L2



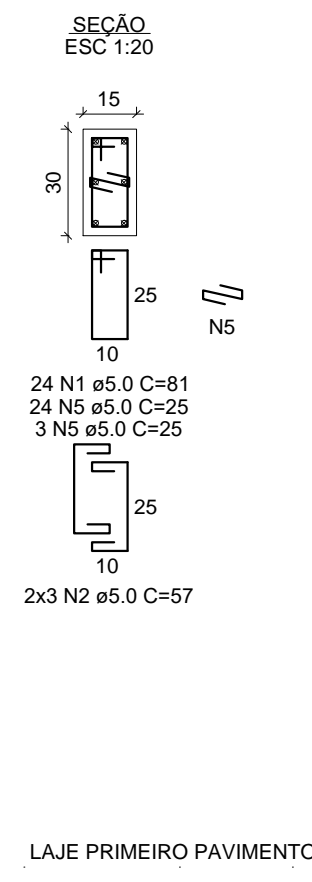
P7=P8=P11=P12=P13=P16=P17=P22=P23=
P28=P29=P30=P31=P34=P36=P39=P42

SEGUNDO PAVIMENTO - L2



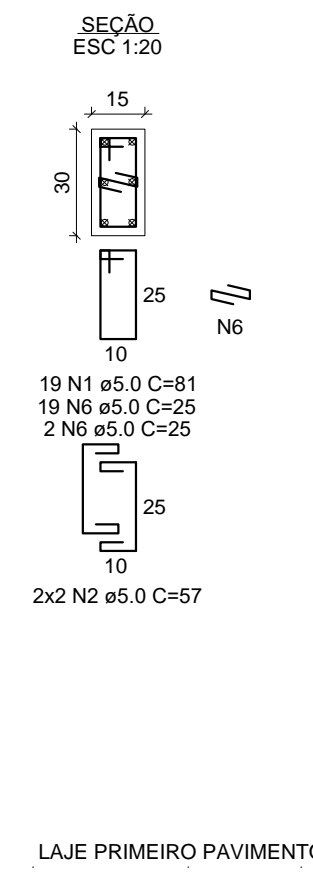
P40

SEGUNDO PAVIMENTO - L2



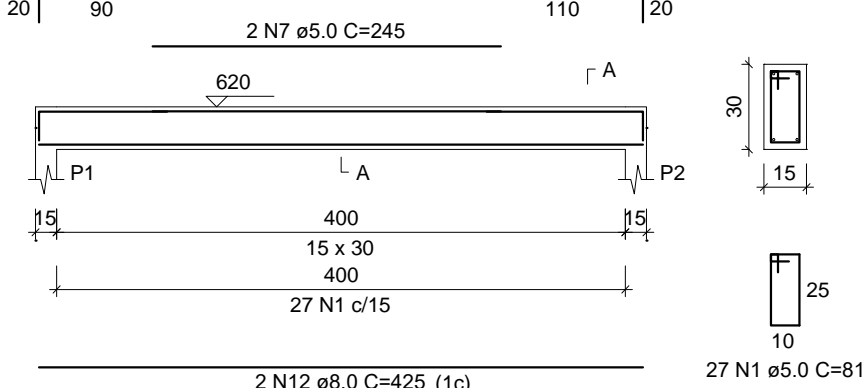
P41

SEGUNDO PAVIMENTO - L2



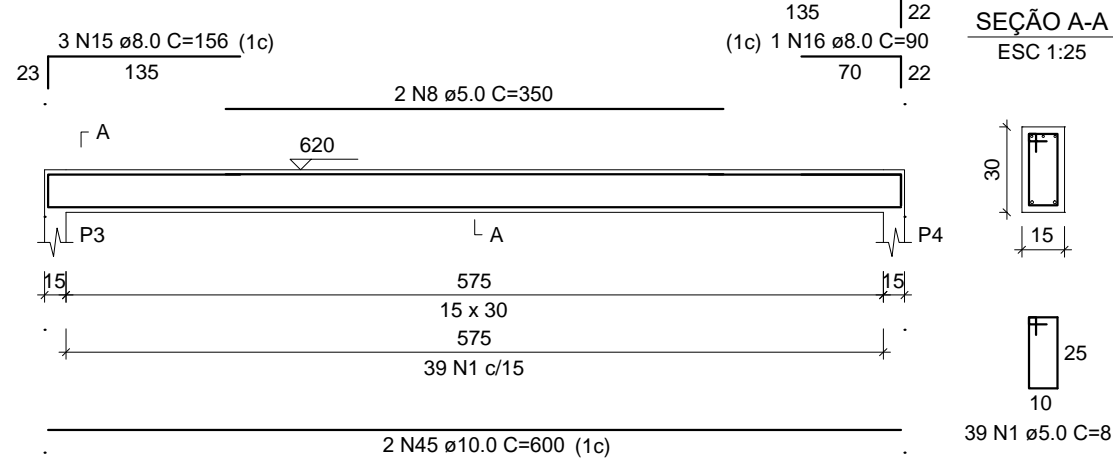
V1

ESC 1:50



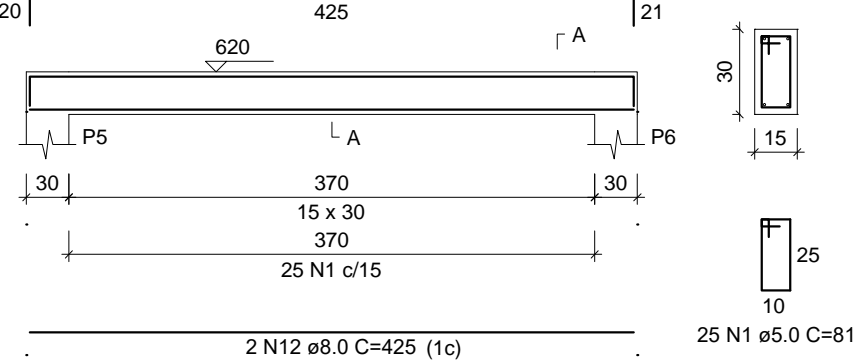
V2

ESC 1:50



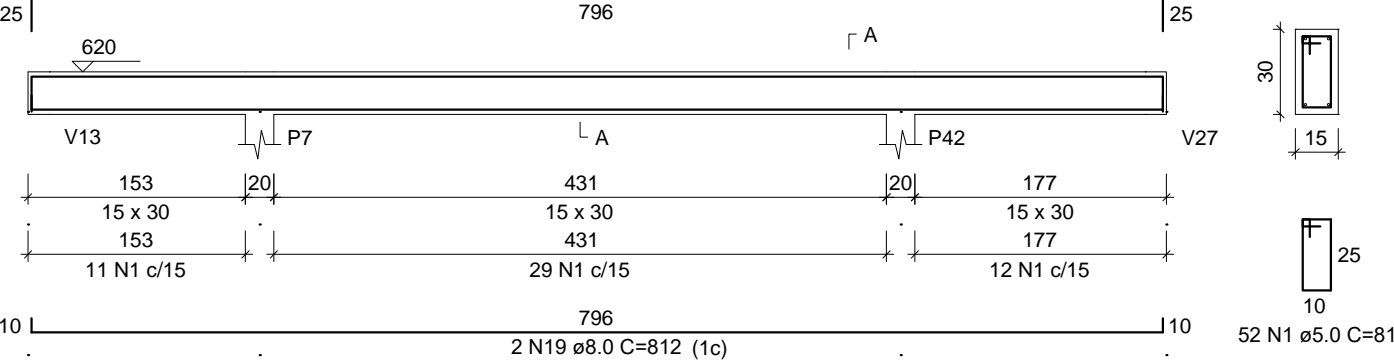
V3

ESC 1:50



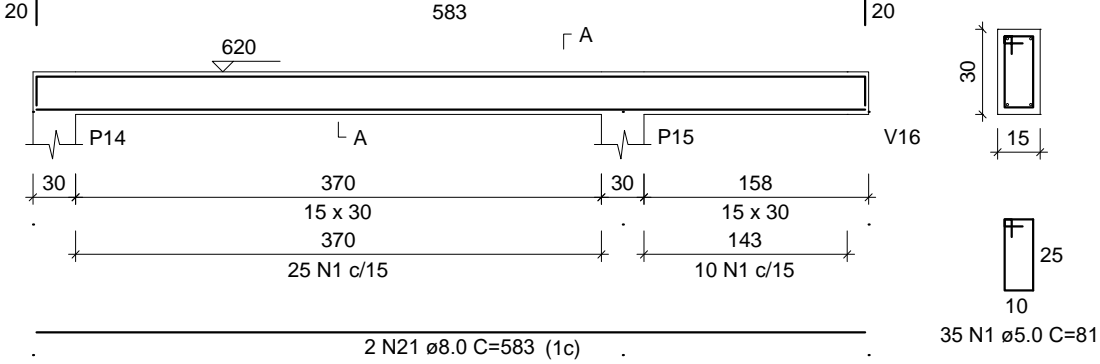
V4

ESC 1:50



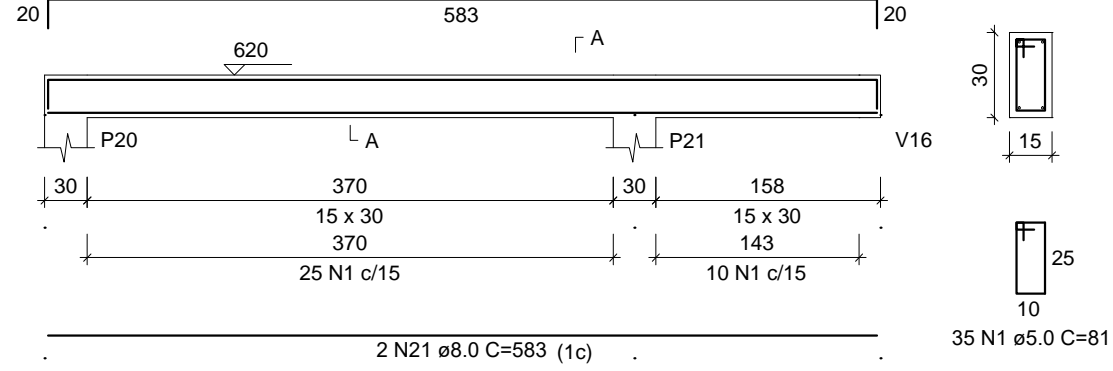
V5

ESC 1:50



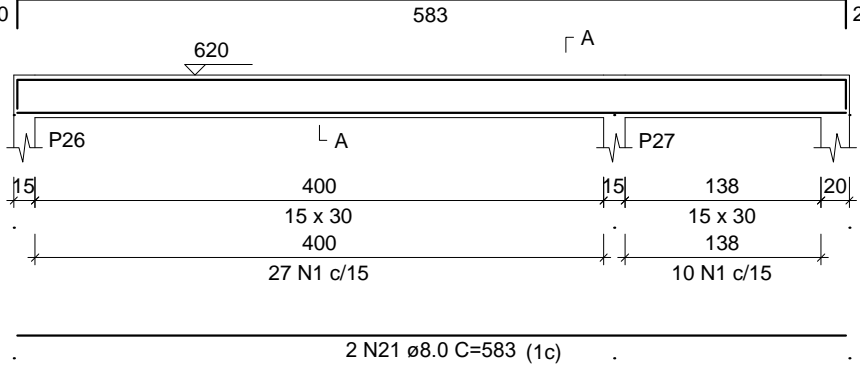
V6

ESC 1:50



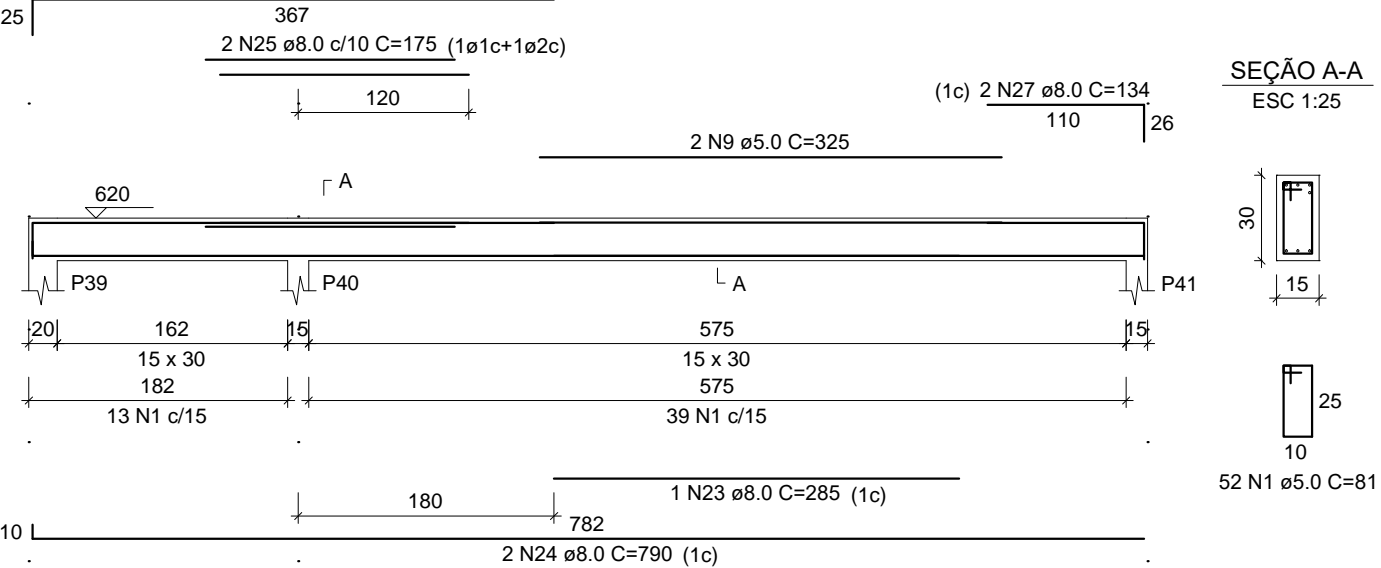
V7

ESC 1:50



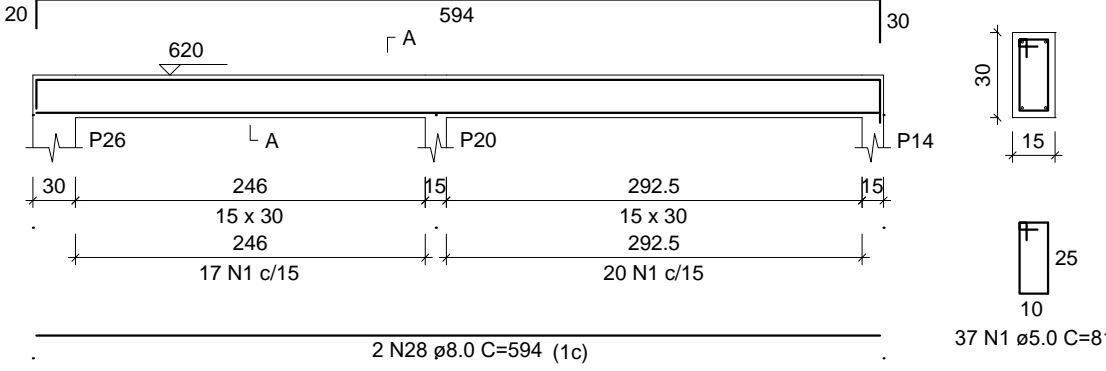
V8

ESC 1:50



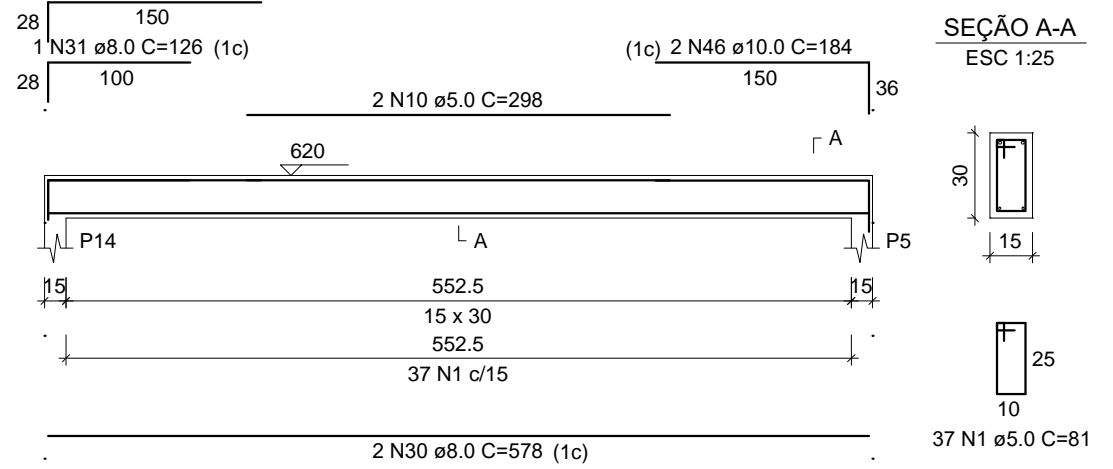
V9

ESC 1:50



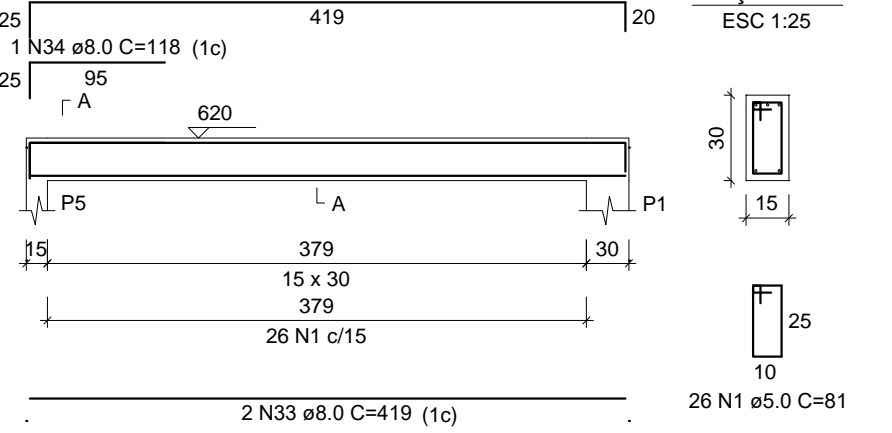
V10

ESC 1:50



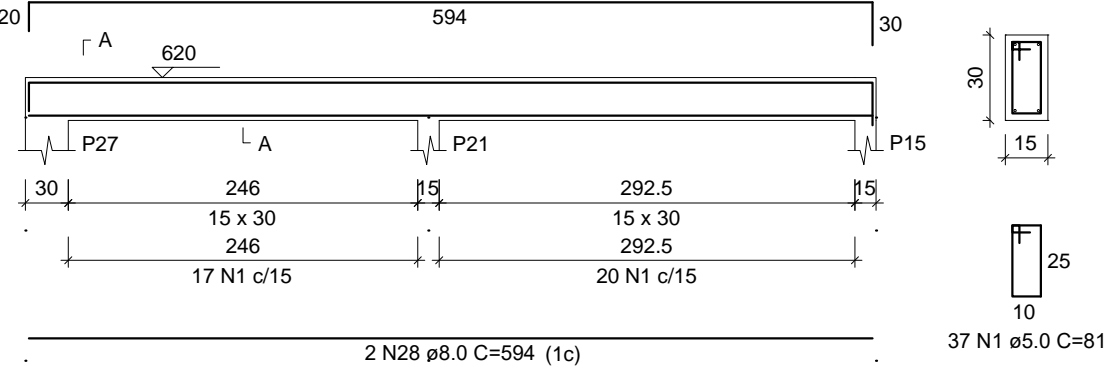
V11

ESC 1:50



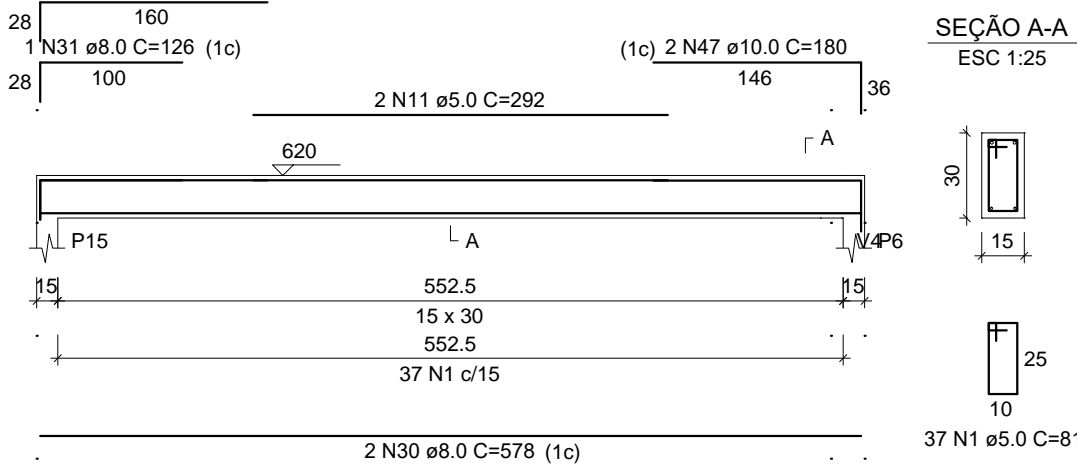
V12

ESC 1:50



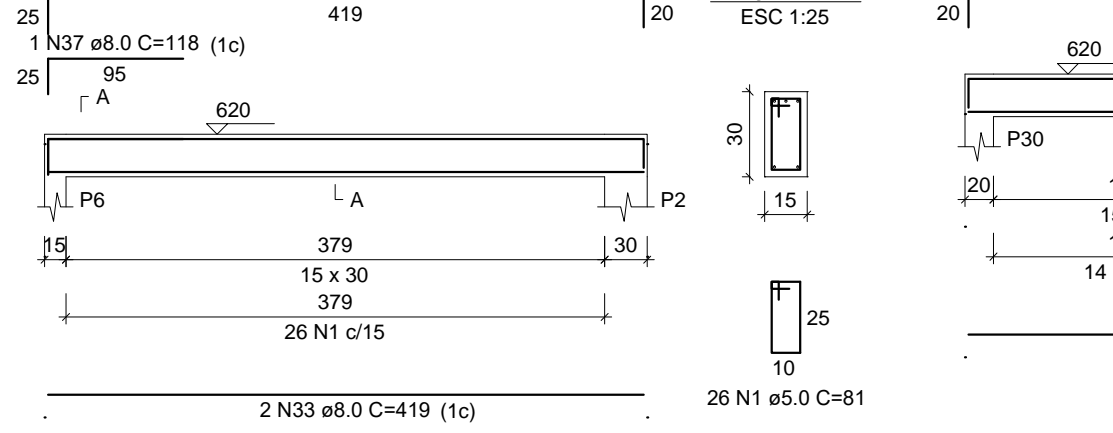
V13

ESC 1:50



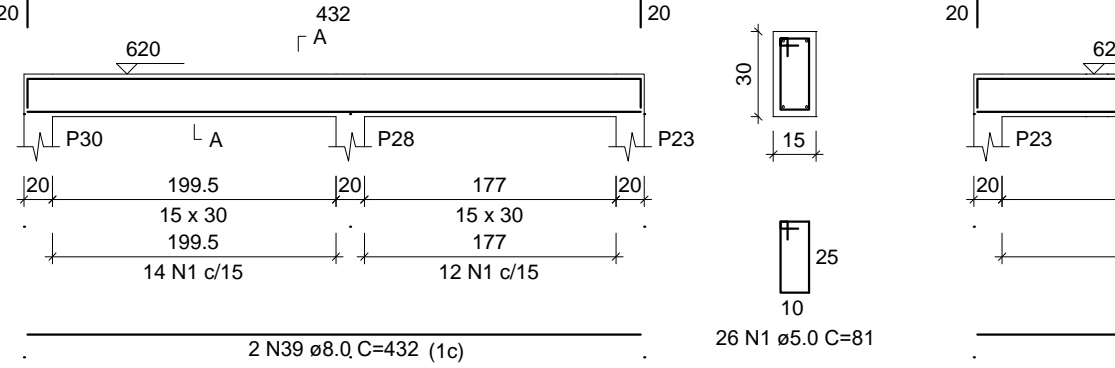
V14

ESC 1:50



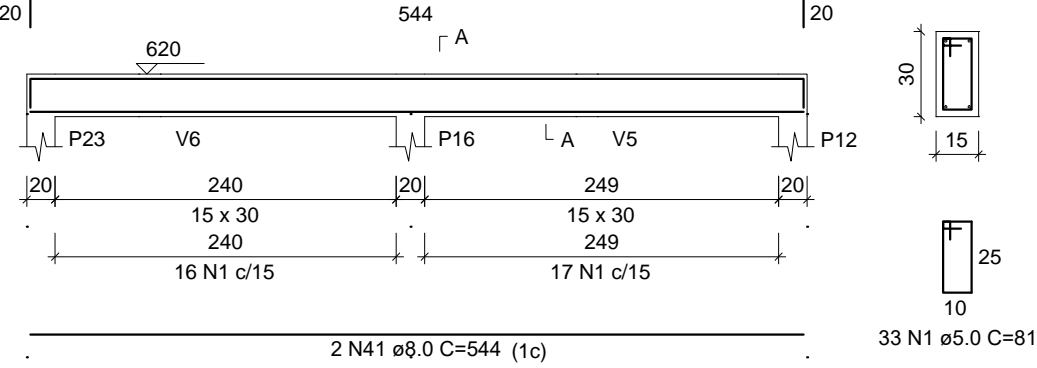
V15

ESC 1:50



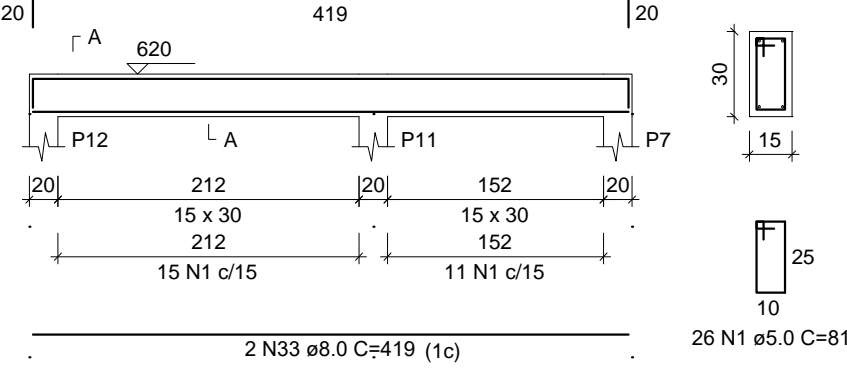
V16

ESC 1:50



V17

ESC 1:50



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	1172	81	94932
	2	5.0	144	57	8208
	3	5.0	408	71	28968
	4	5.0	102	57	5814
	5	5.0	27	25	675
	6	5.0	21	25	525
	7	5.0	2	245	490
	8	5.0	2	350	700
	9	5.0	2	325	650
	10	5.0	2	298	596
	11	5.0	2	292	584
	12	8.0	4	425	1700
	13	8.0	2	108	216
	14	8.0	2	128	256
	15	8.0	3	156	468
	16	8.0	1	90	90
	17	8.0	2	155	310
	18	8.0	2	462	924
	19	8.0	2	812	1624
	20	8.0	2	842	1684
	21	8.0	6	583	3498
	22	8.0	6	619	3714
	23	8.0	1	285	285
	24	8.0	2	790	1580
	25	8.0	2	175	350
	26	8.0	2	390	780
	27	8.0	2	134	268
	28	8.0	4	594	2376
	29	8.0	4	640	2560
	30	8.0	4	578	2312
	31	8.0	2	126	252
	32	8.0	2	176	352
	33	8.0	6	419	2514
	34	8.0	1	118	118
	35	8.0	2	480	920
	36	8.0	2	186	372
	37	8.0	1	118	118
	38	8.0	2	480	920
	39	8.0	2	432	864
	40	8.0	2	468	936
	41	8.0	2	544	1088
	42	8.0	2	580	1160
	43	8.0	2	455	910
	44	10.0	158	307	48506
	45	10.0	2	600	1200
	46	10.0	2	184	368
	47	10.0	2	180	360
	48	12.5	22	307	6754

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	355.2	154.2
	10.0	504.3	342
	12.5	67.5	71.6
CA60	5.0	1421.4	241

PESO TOTAL (kg)

CA50	567.8
CA60	241

Volume de concreto (C-25) = 9.84 m³

Área de forma = 182.68 m²

PREFEITURA MUNICIPAL DE GRÃO MOGOL/MG



OBRA/SERVIÇO: AMPLIAÇÃO, REFORMA E ADEQUAÇÃO
ESCOLA DE ENSINO PRÉ-ESCOLAR TEREZINHA RODRIGUES PAULINO

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE GRÃO MOGOL/MG

DIEGO ANTÔNIO BRAGA FAGUNDES
PREFEITO MUNICIPAL

ENDEREÇO: AVENIDA DOMINGOS DE ARRUDA - S/N - BAIRRO BOM GOSTO - GRÃO MOGOL/MG

PROJETO: PROJETO ESTRUTURAL

RESPONSÁVEL TÉCNICO:

RODRIGO ROCHA RIBEIRO
ENGº CIVIL - CREA/MG: 221910/D

ÁREAS:
ÁREA TERRENO.....1.175,71m²
ÁREA EXISTENTE TERRENO.....326,24m²
ÁREA AMPLIAÇÃO TERRENO.....184,59m²
ÁREA AMPLIAÇÃO PAV. SUPERIOR.....384,35m²
ÁREA TOTAL CONSTRUÇÃO.....895,18m²

NÚMERO ART: MG 2022 1503869

NÚMERO CONTRATO:

DATA: SETEMBRO/2022

ESCALA: INDICADA
OBJETO: SEGUNDO PAVIMENTO