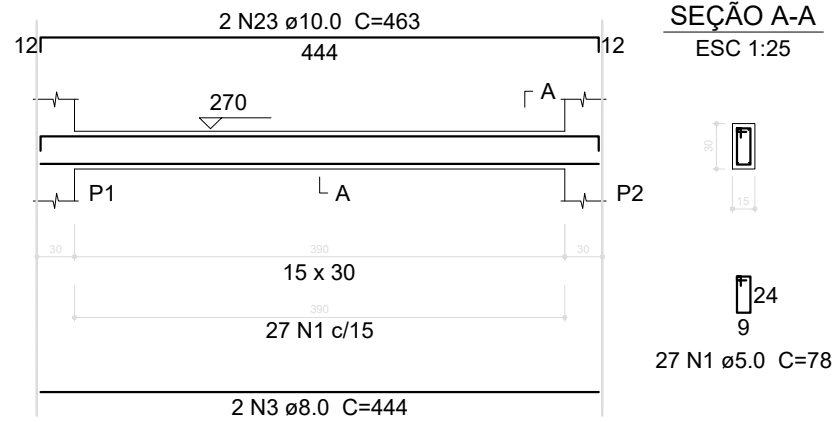


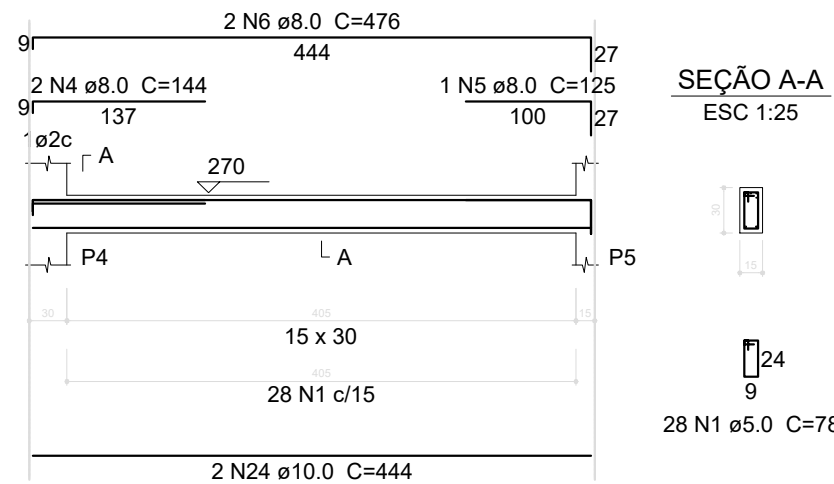
V101

ESC 1:30



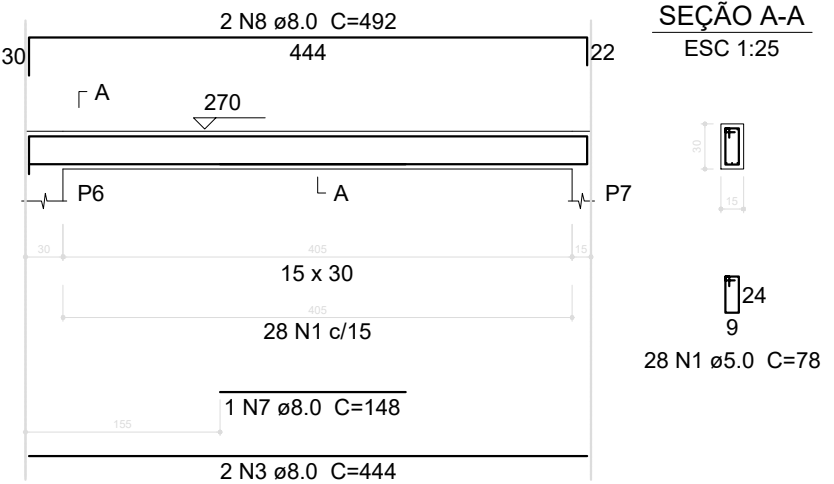
V102

ESC 1:30



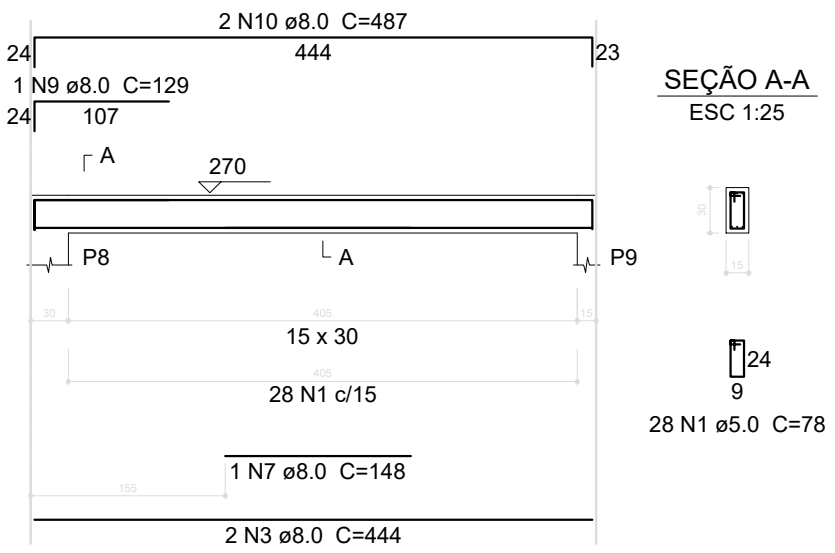
V103

ESC 1:30



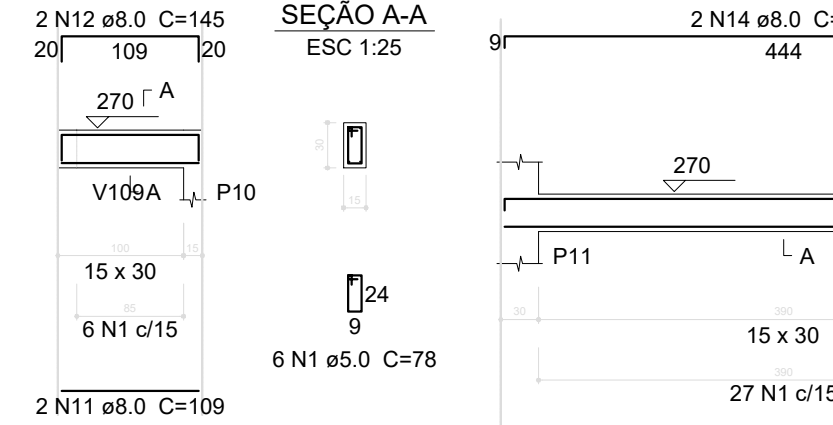
V104

ESC 1:30



V105

ESC 1:30



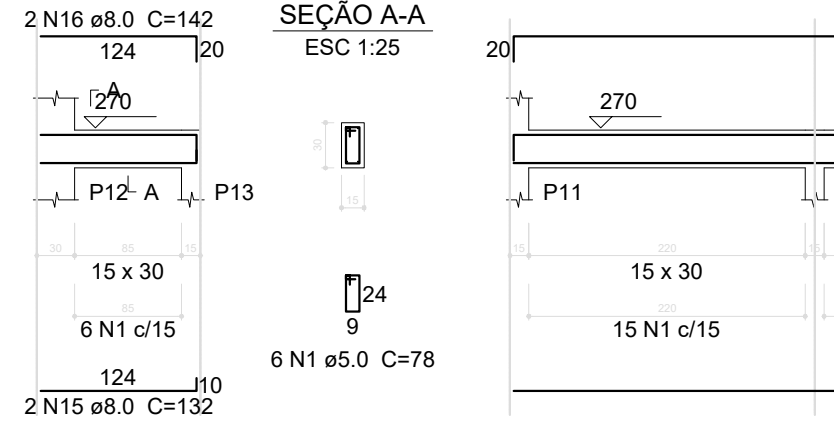
V106

ESC 1:30



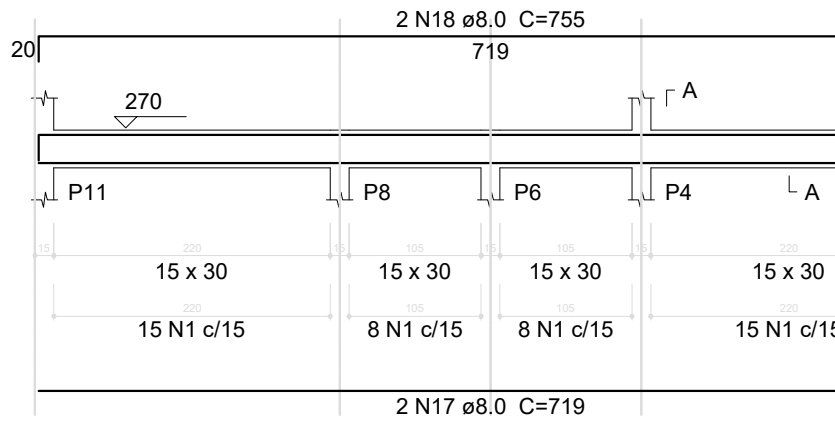
V107

ESC 1:30



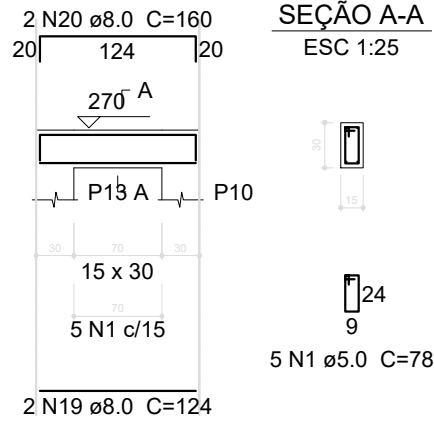
V108

ESC 1:30



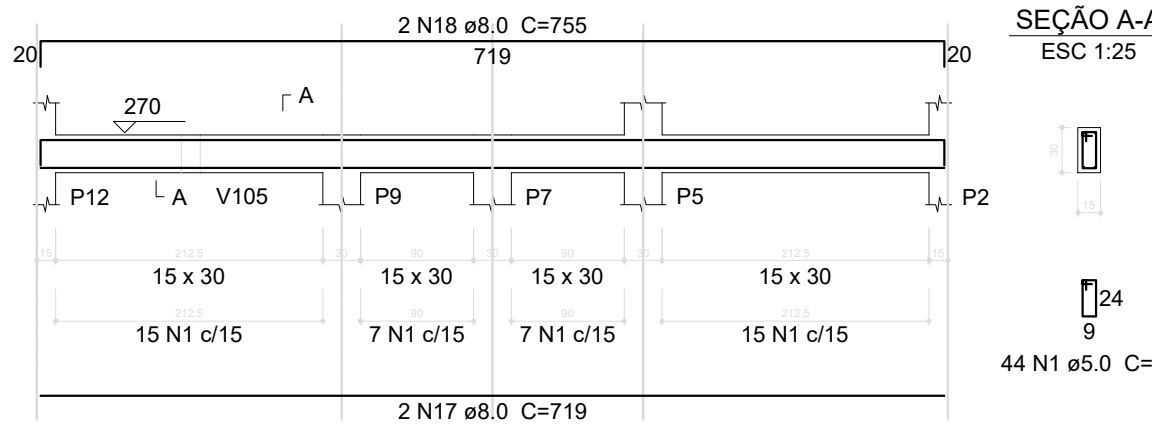
V1010

ESC 1:30

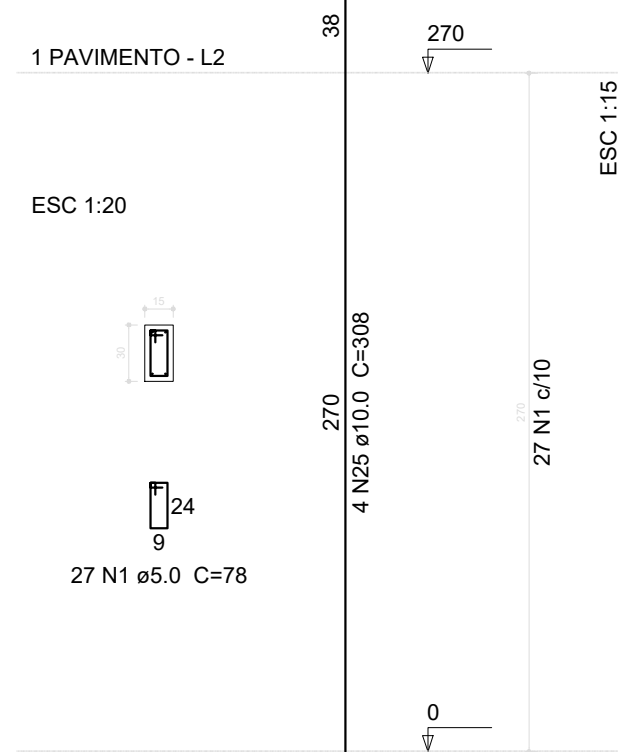


V109

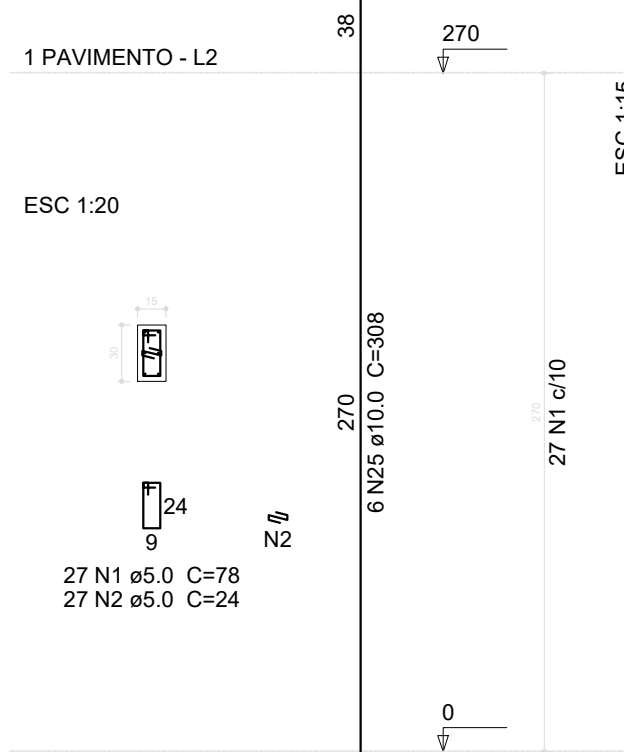
ESC 1:30



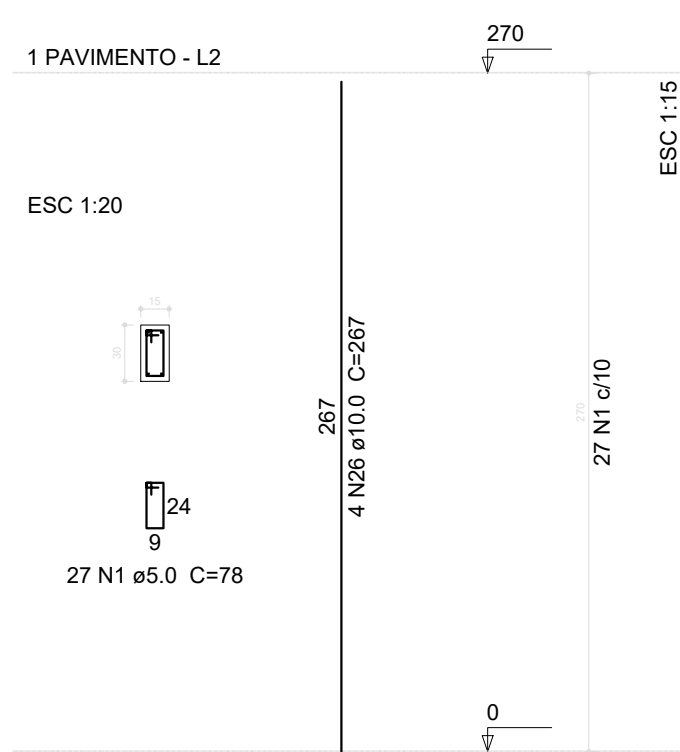
P1=P2=P4=P11=P12



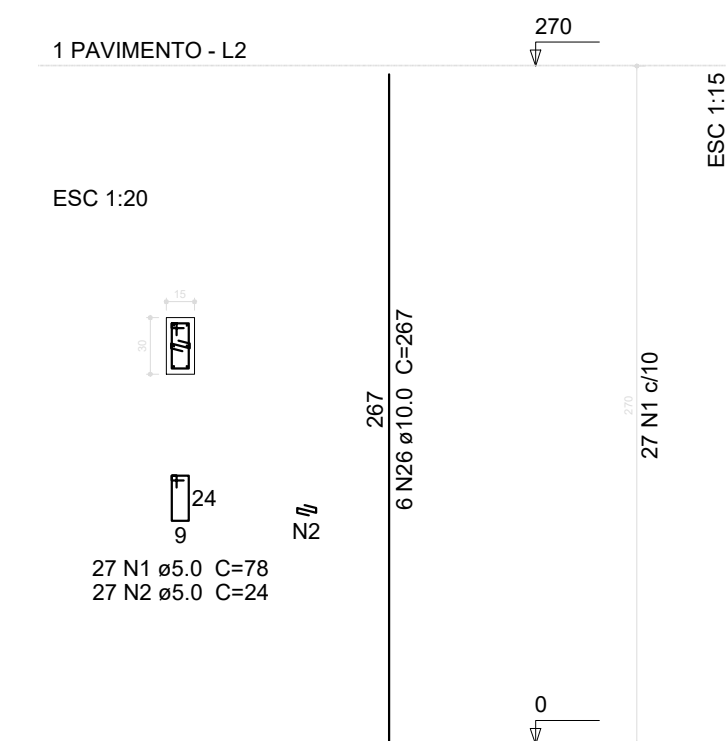
P5



P6=P8=P10=P13



P7=P9



Relação do aço

5xP1	P5	4xP6
2xP7	Positivos Y	V101
V102	V103	V104
V105	V106	V107
V108	V109	V1010

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	569	78	44382
CA50	2	5.0	81	24	1944
	3	8.0	8	444	3552
	4	8.0	2	144	288
	5	8.0	1	125	125
	6	8.0	2	476	952
	7	8.0	2	148	296
	8	8.0	2	492	984
	9	8.0	1	129	129
	10	8.0	2	487	974
	11	8.0	2	109	218
	12	8.0	2	145	290
	13	8.0	1	102	102
	14	8.0	2	451	902
	15	8.0	2	132	264
	16	8.0	2	142	284
	17	8.0	4	719	2876
	18	8.0	4	755	3020
	19	8.0	2	124	248
	20	8.0	2	160	320
	21	8.0	2	244	488
	22	8.0	4	129	516
	23	10.0	2	463	926
	24	10.0	2	444	888
	25	10.0	26	308	8008
	26	10.0	28	267	7476
	27	12.5	1	244	244

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	168.3	73
	10.0	173	117.3
	12.5	2.5	2.6
CA60	5.0	463.3	78.5
PESO TOTAL (kg)			
CA50		192.9	
CA60		78.5	

Volume de concreto (C-25) = 3.29 m³
Área de forma = 59.72 m²

NOTAS

1 - Medidas em centímetros.

LEGENDA

ATUALIZAÇÃO

REV.	DESCRIÇÃO	DATA	EXEC.	VERIF.	G.V.M. APROV.
0	EMISSION INICIAL	17/09/21			

CONTRATADA:	CARVALHO AMARAL ENGENHARIA CNPJ Nº: 16.783.066/0001-35 Avenida Mestre Firmino, nº 728, 1º andar Centro, Montes Claros/MG, CEP: 38400-074	RESP. TEC: LWAN MATHEUS COSTA SOUZA REG. CREA: 255.542/D
CONTRATANTE:	PREFEITURA MUNICIPAL DE JOSENÓPOLIS/MG CNPJ Nº: 01.612.503/0001-80 Rua Santos Pestana, s/nº Centro, Josenópolis/MG, CEP: 39.575-000	MUNICÍPIO/ÁREA: MUNICÍPIO DE JOSENÓPOLIS/MG RESPONSÁVEL CONTRATANTE: PREF. MUNICIPAL DE JOSENÓPOLIS
TÍTULO:	PROJETO ESTRUTURAL CONSTRUÇÃO DE ESTÁDIO(SANITÁRIOS/TRIBUNA) VIGAS	ENDEREÇO DA OBRA: AV. GUMERCINO JOSÉ PESTANA, S/Nº, PERIFÉRICO
DATA:	17/09/2021	ESCALA: INDICADA
PRANCHA:	03/05	
ARQUIVO:	DE-2021.1701-MG.JOS-EST-EXE.001=0	