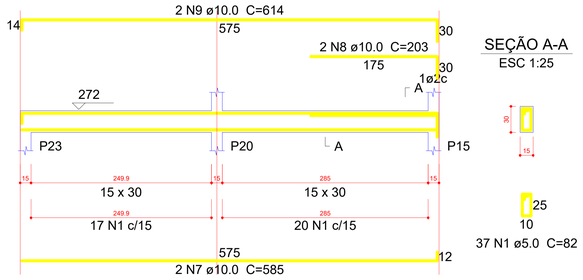
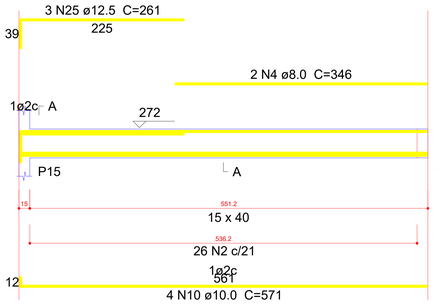
V44
ESC 1:30



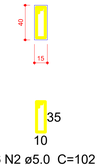
SEÇÃO A-A
ESC 1:25

37 N1 ø5.0 C=82

V45
ESC 1:30

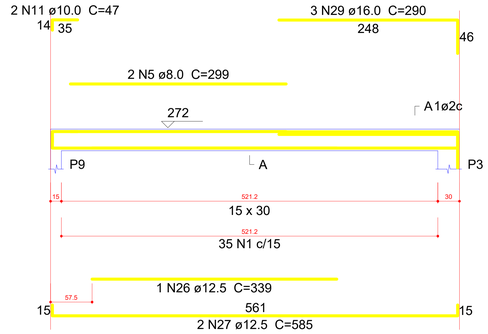


SEÇÃO A-A
ESC 1:25

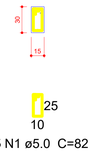


26 N2 ø5.0 C=102

V47
ESC 1:30



SEÇÃO A-A
ESC 1:25



35 N1 ø5.0 C=82

Relação do aço

10xP1 P2 P3
3xP4 4xP15 V44
V45 V47 V49
V50

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	568	82	46576
	2	5.0	138	102	14076
	3	5.0	392	25	9800
CA50	4	8.0	2	346	692
	5	8.0	2	299	598
	6	8.0	2	226	452
	7	10.0	2	585	1170
	8	10.0	2	203	406
	9	10.0	2	614	1228
	10	10.0	4	571	2284
	11	10.0	2	47	94
	12	10.0	1	559	559
	13	10.0	2	1122	2244
	14	10.0	2	210	420
	15	10.0	1	230	230
	16	10.0	1	440	440
	17	10.0	2	751	1502
	18	10.0	3	196	588
	19	10.0	2	1022	2044
	20	10.0	2	346	692
	21	10.0	2	1197	2394
	22	10.0	2	199	398
	23	10.0	70	269	18830
	24	10.0	24	305	7320
	25	12.5	3	261	783
	26	12.5	1	339	339
	27	12.5	2	585	1170
	28	12.5	34	269	9146
	29	16.0	3	290	870

Resumo do aço

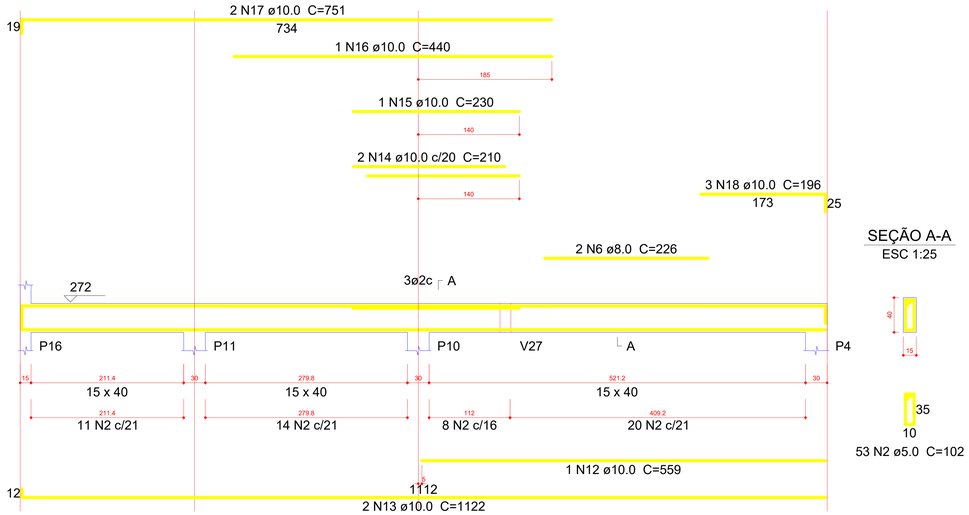
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barras)
CA50	8.0	17.5	2
	10.0	428.5	40
	12.5	114.4	11
	16.0	8.7	1
CA60	5.0	704.6	65

PESO TOTAL (kg)

CA50	434.4
CA60	119.4

Volume de concreto (C-30) = 4.62 m³
Área de forma = 83.35 m²

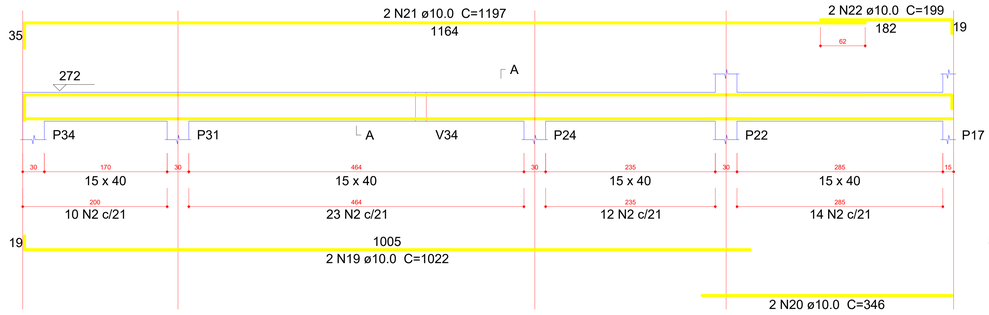
V49
ESC 1:30



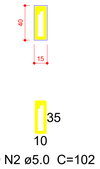
SEÇÃO A-A
ESC 1:25

53 N2 ø5.0 C=102

V50
ESC 1:30

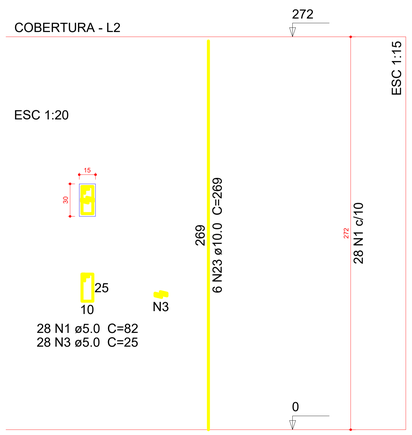


SEÇÃO A-A
ESC 1:25

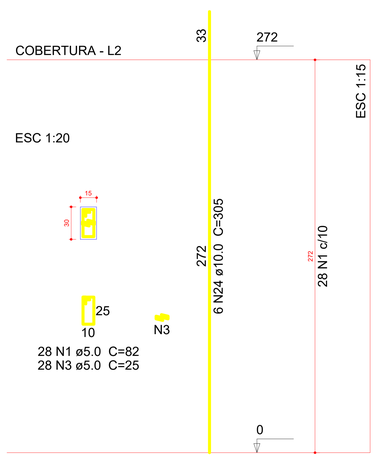


59 N2 ø5.0 C=102

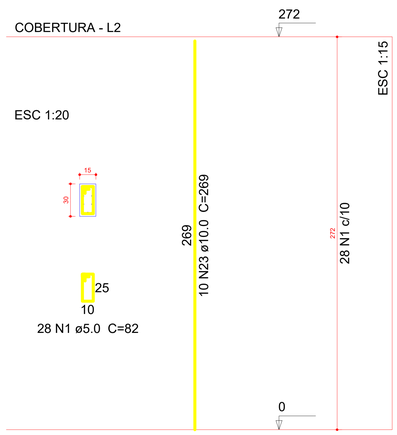
P1=P7=P8=P9=P11=P23=P25=P26=P28=P32



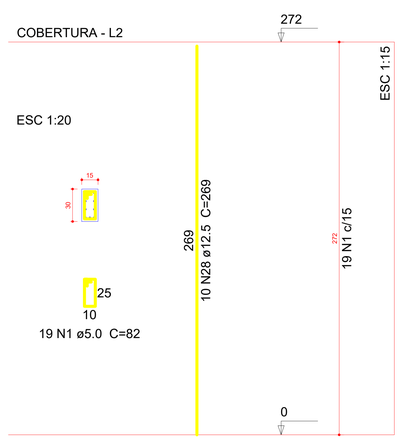
P15=P17=P20=P22



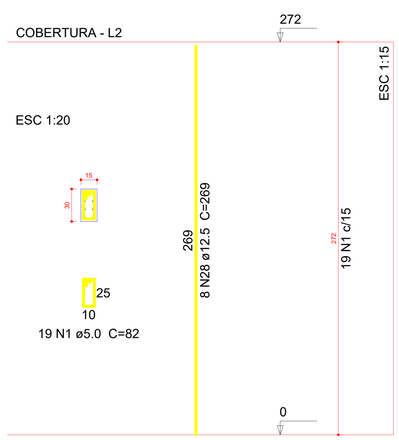
P2



P3



P4=P5=P19



PROJETO ESTRUTURAL

LOCAL: Rua Clemildes Pereira Aroeira - Idelsa Borgo - Montanha - ES	OBRA: CONSTRUÇÃO DE ABRIGO INSTITUCIONAL PARA IDOSO		ESCALA: INDICADA
CONTEÚDO: PROJETO ESTRUTURAL			DATA: ABR/2026
USO: COMERCIAL	REVISÃO: RV00	ÁREA: ÁREA CONSTRUÍDA: 304,08 m²	FOLHA: **08/12**
PROPRIETÁRIO: FUNDO MUNICIPAL DE ASSISTÊNCIA SOCIAL DE MONTANHA - ES CNPJ: 14.829.853/0001-45	RESPONSÁVEL TÉCNICO: DAVI GRASSI:13352797765 DAVI GRASSI ENGENHEIRO CIVIL - CREA-ES: 0048103/D		APICE