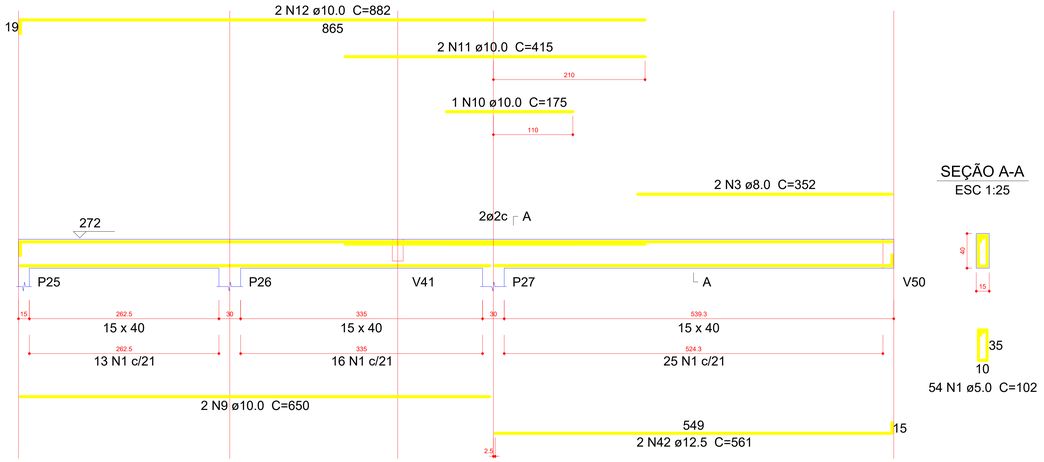
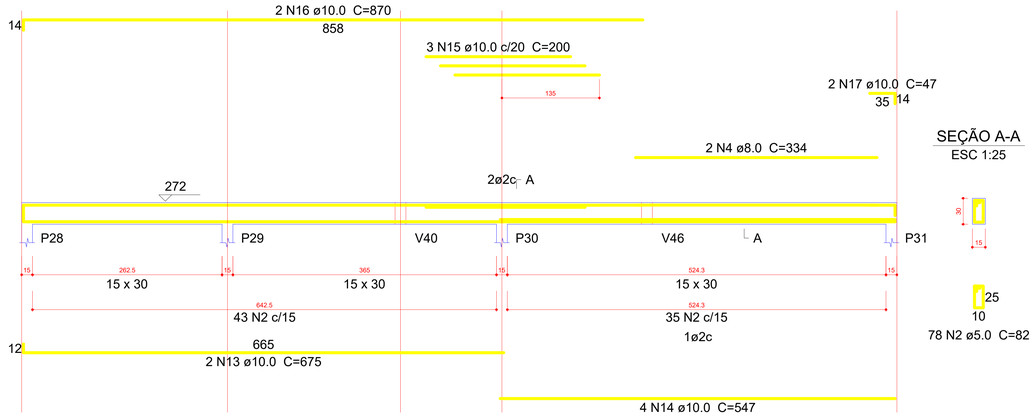
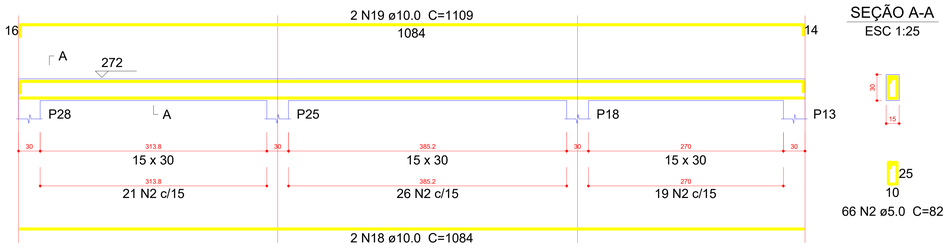
V34
ESC 1:30



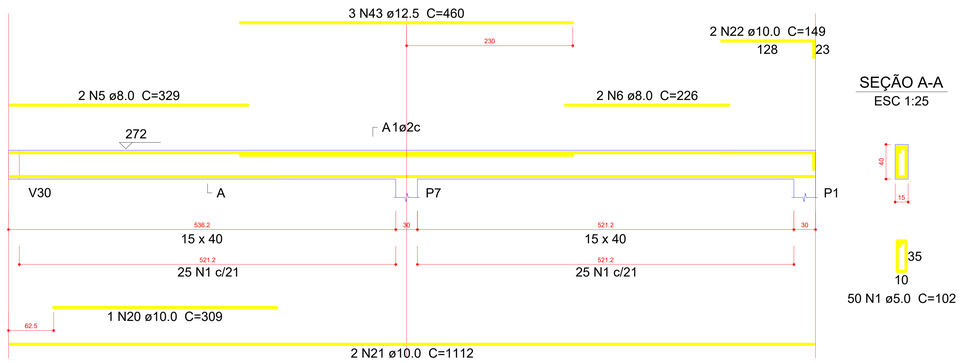
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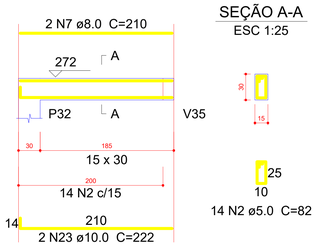
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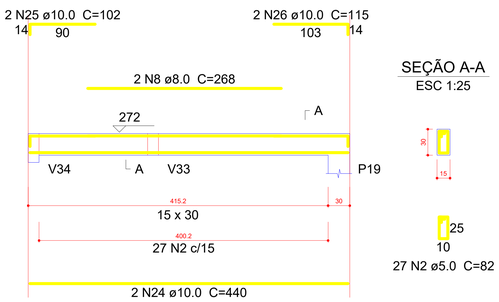
V38
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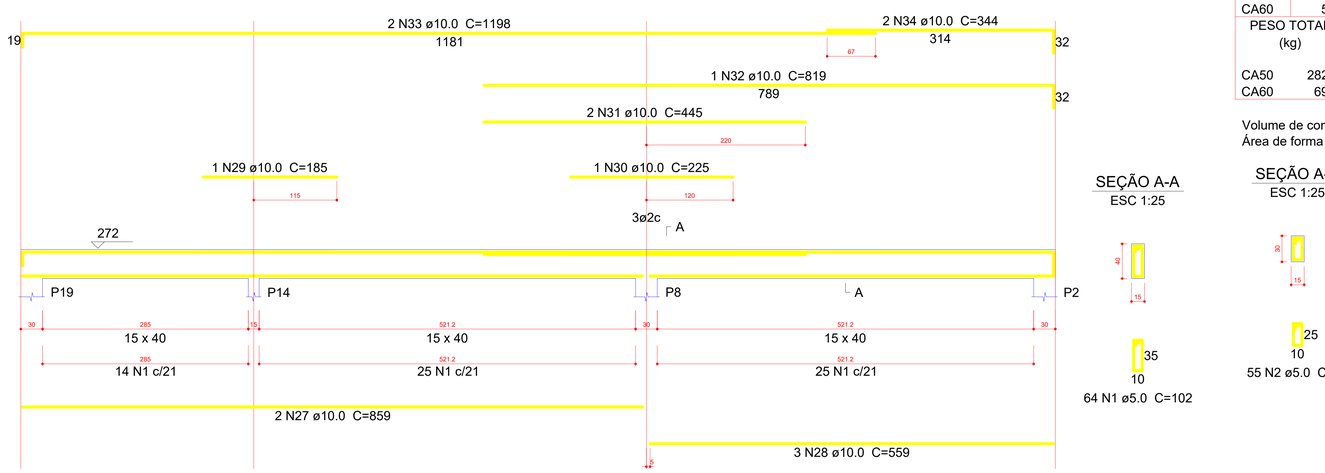
V40
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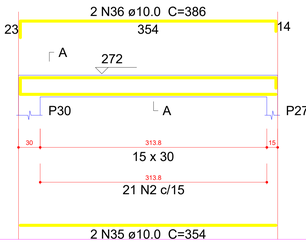
V41
ESC 1:30



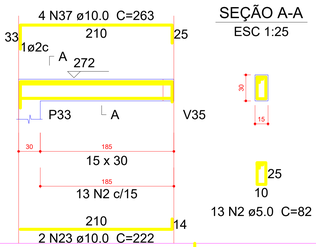
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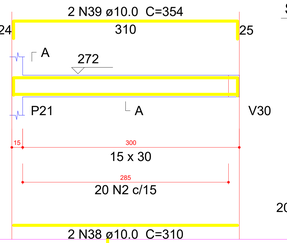
V43
ESC 1:30



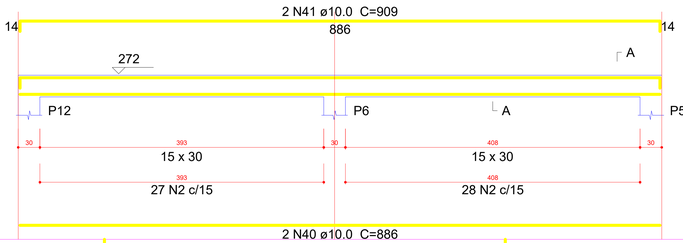
V46
ESC 1:30



V48
ESC 1:30



V51
ESC 1:30



Relação do aço

V34 V35 V37
V38 V40 V41
V42 V43 V46
V48 V51

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	168	102	17136
	2	5.0	294	82	24108
CA50	3	8.0	2	352	704
	4	8.0	2	334	668
	5	8.0	2	329	658
	6	8.0	2	226	452
	7	8.0	2	210	420
	8	8.0	2	268	536
	9	10.0	2	650	1300
	10	10.0	1	175	175
	11	10.0	2	415	830
	12	10.0	2	882	1764
	13	10.0	2	675	1350
	14	10.0	4	547	2188
	15	10.0	3	200	600
	16	10.0	2	870	1740
	17	10.0	2	47	94
	18	10.0	2	1084	2168
	19	10.0	2	1109	2218
	20	10.0	1	309	309
	21	10.0	2	1112	2224
	22	10.0	2	149	298
	23	10.0	4	222	888
	24	10.0	2	440	880
	25	10.0	2	102	204
	26	10.0	2	115	230
	27	10.0	2	859	1718
	28	10.0	3	559	1677
	29	10.0	1	185	185
	30	10.0	1	225	225
	31	10.0	2	445	890
	32	10.0	1	819	819
	33	10.0	2	1198	2396
	34	10.0	2	344	688
	35	10.0	2	354	708
	36	10.0	2	386	772
	37	10.0	4	263	1052
	38	10.0	2	310	620
	39	10.0	2	354	708
	40	10.0	2	886	1772
	41	10.0	2	909	1818
	42	12.5	2	561	1122
	43	12.5	3	460	1380

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barras)
CA50	8.0	34.4	4
	10.0	355.1	33
	12.5	25.1	3
CA60	5.0	412.5	38
PESO TOTAL (kg)			
CA50	282.2		
CA60	69.9		

Volume de concreto (C-30) = 4.39 m³
Área de forma = 71.29 m²

PROJETO ESTRUTURAL

LOCAL: Rua Clemildes Pereira Aroeira - Idelsa Borgo - Montanha - ES	OBRA: CONSTRUÇÃO DE ABRIGO INSTITUCIONAL PARA IDOSO	ESCALA: INDICADA
CONTEÚDO: PROJETO ESTRUTURAL	ÁREA: ÁREA CONSTRUÍDA: 304,08 m²	DATA: ABR/2026
USO: COMERCIAL / REVISÃO: RV00		FOLHA: 07/12
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