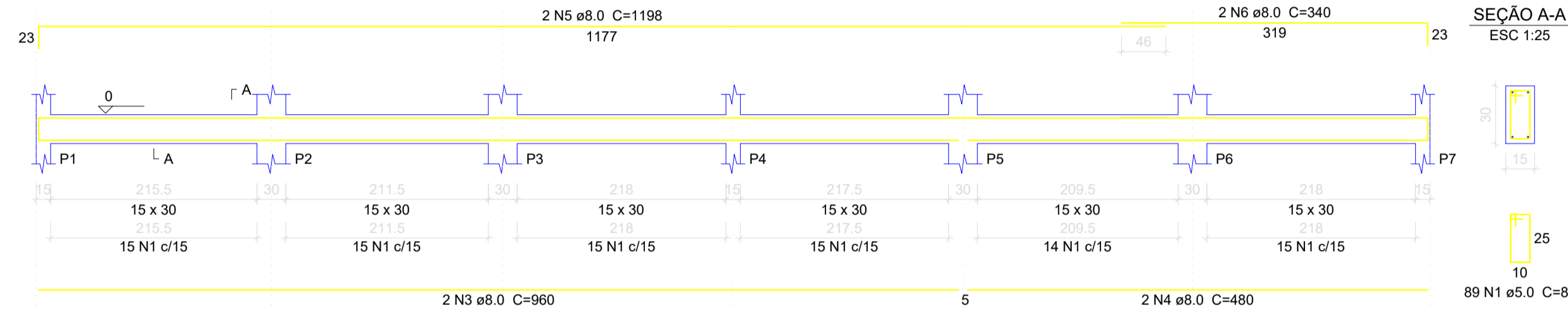
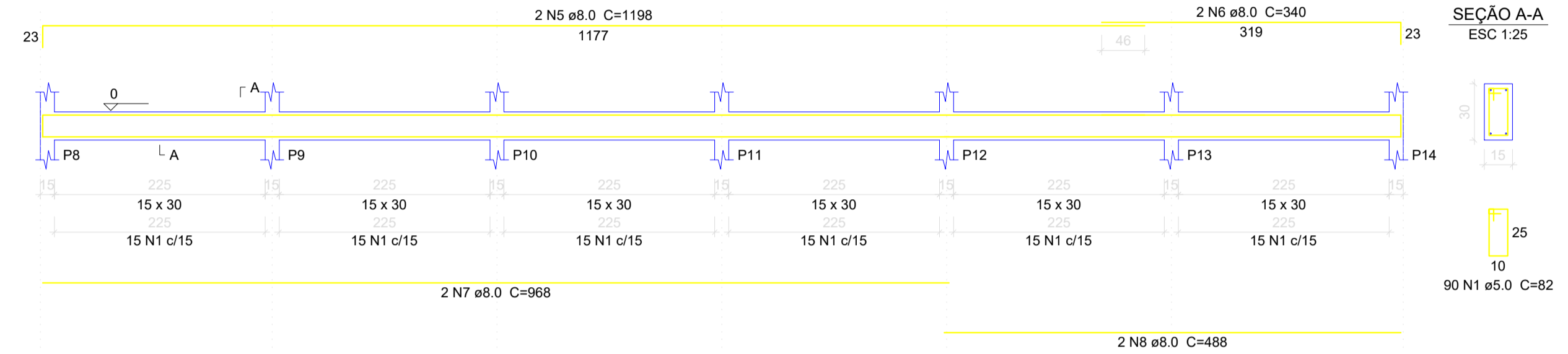


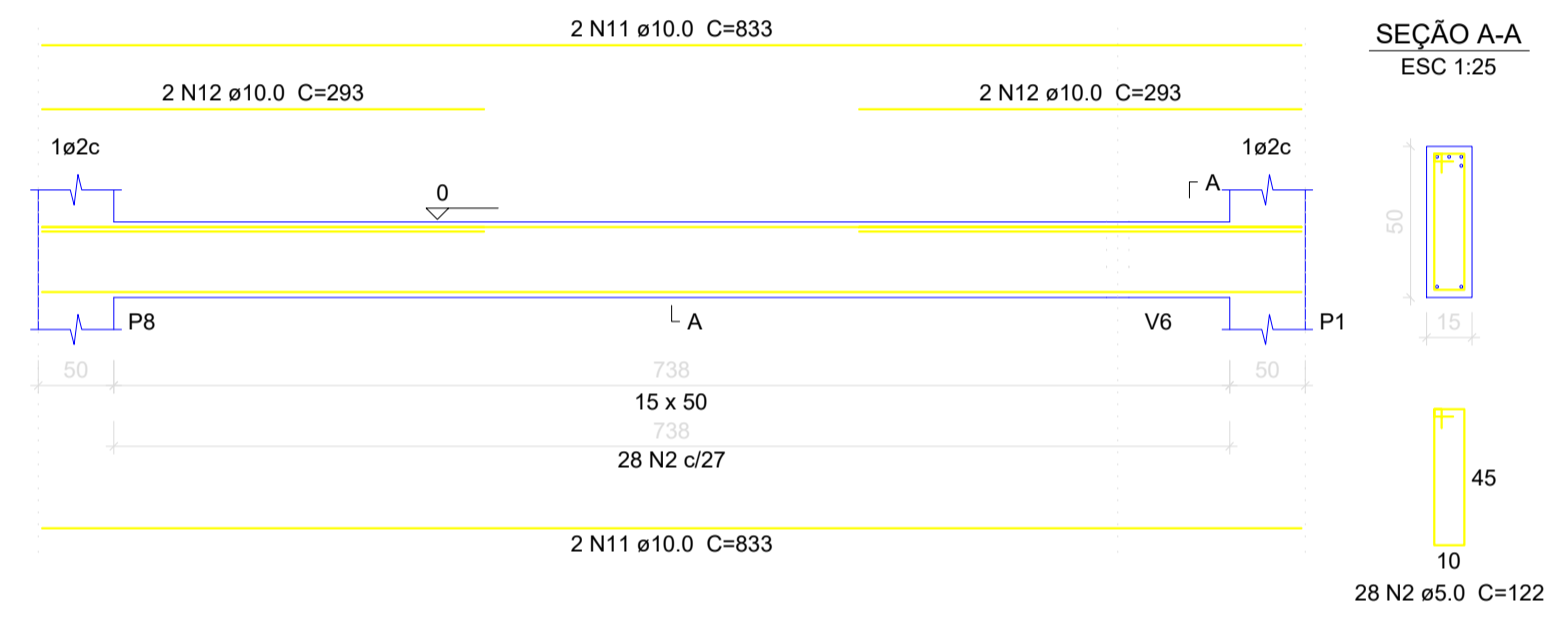
V1
ESC 1:50



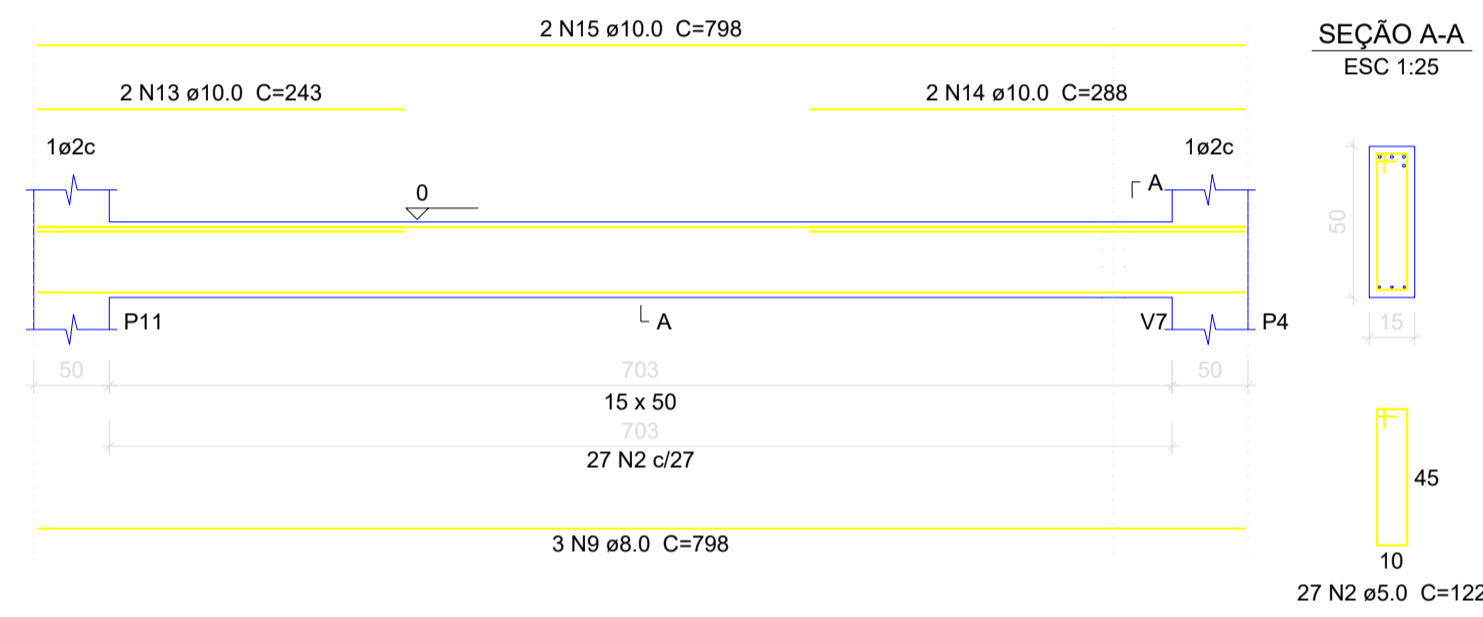
V2
ESC 1:50



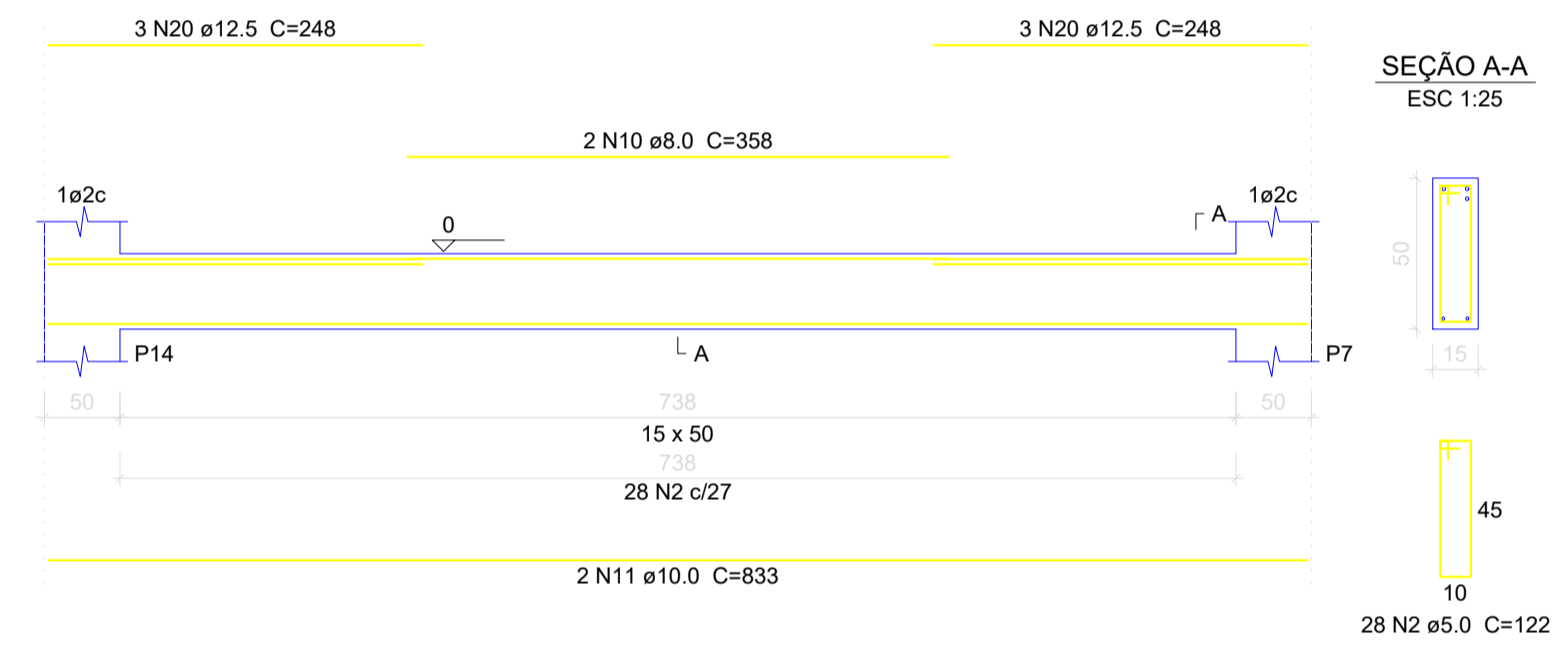
V3
ESC 1:50



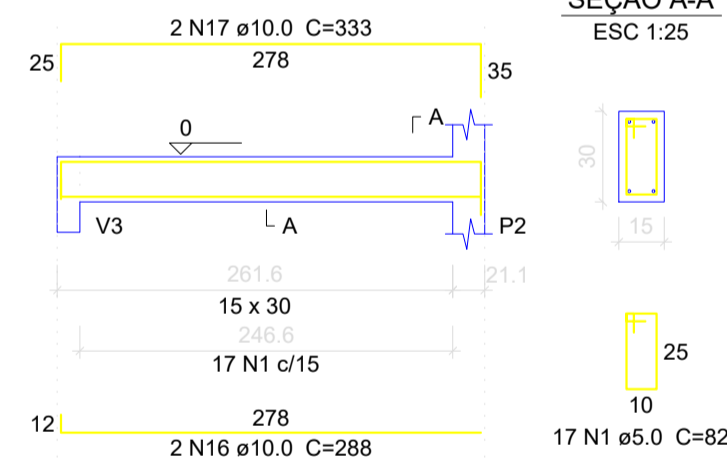
V4
ESC 1:50



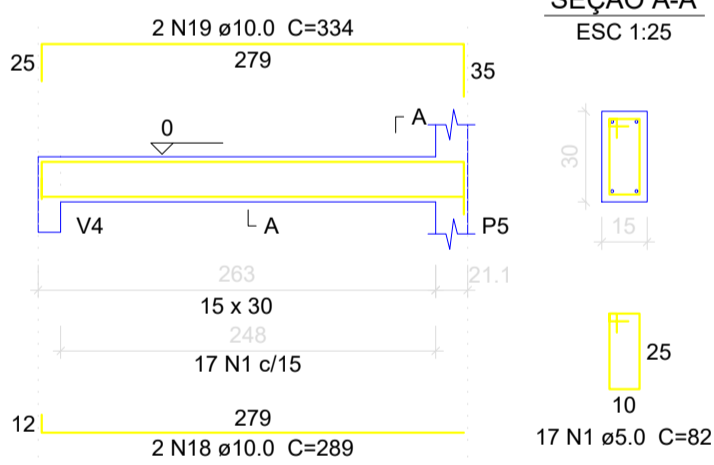
V5
ESC 1:50



V6
ESC 1:50



V7
ESC 1:50



Relação do aço

ACO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	213	82	17466
	2	5.0	83	122	10126
CA50	3	8.0	2	960	1920
	4	8.0	2	480	960
	5	8.0	4	1198	4792
	6	8.0	4	340	1360
	7	8.0	2	968	1936
	8	8.0	2	488	976
	9	8.0	3	798	2394
	10	8.0	2	358	716
	11	10.0	6	833	4998
	12	10.0	4	293	1172
	13	10.0	2	243	486
	14	10.0	2	288	576
	15	10.0	2	798	1596
	16	10.0	2	288	576
	17	10.0	2	333	666
	18	10.0	2	289	578
	19	10.0	2	334	668
	20	12.5	6	248	1488

Resumo do aço

ACO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	150.6	65.3
	10.0	113.2	76.7
	12.5	14.9	15.8
CA60	5.0	276	46.8
PESO TOTAL			
CA50		157.9	
CA60		46.8	

Vol. de concreto total (C-20) = 3.42 m³
Área de forma total = 54.58 m²

PREFEITURA MUNICIPAL DE PEDRA BRANCA

Projeto estrutural:
**REFORMA E AMPLIAÇÃO
ESCOLA GABRIEL DE FRANÇA MELO**

Conteúdo:
Projeto Estrutural
1- Vigas

Local: MINEIROLANDIA-PEDRA BRANCA-CE
Data: 09.2023

Projetista: Ronis
Área Total: -
Área Construída: -
Esc: indicada

Responsável:
Arq. Antônio Custódio dos Santos Neto- CAU-CE nº A73644
Secretaria de Desenvolvimento Urbano e Meio Ambiente
Rua: José Joaquim de Souza, nº10 - Centro, Pedra Branca - Ce, 63630-000 - CNPJ: 07.726.540/0001-04

05/06