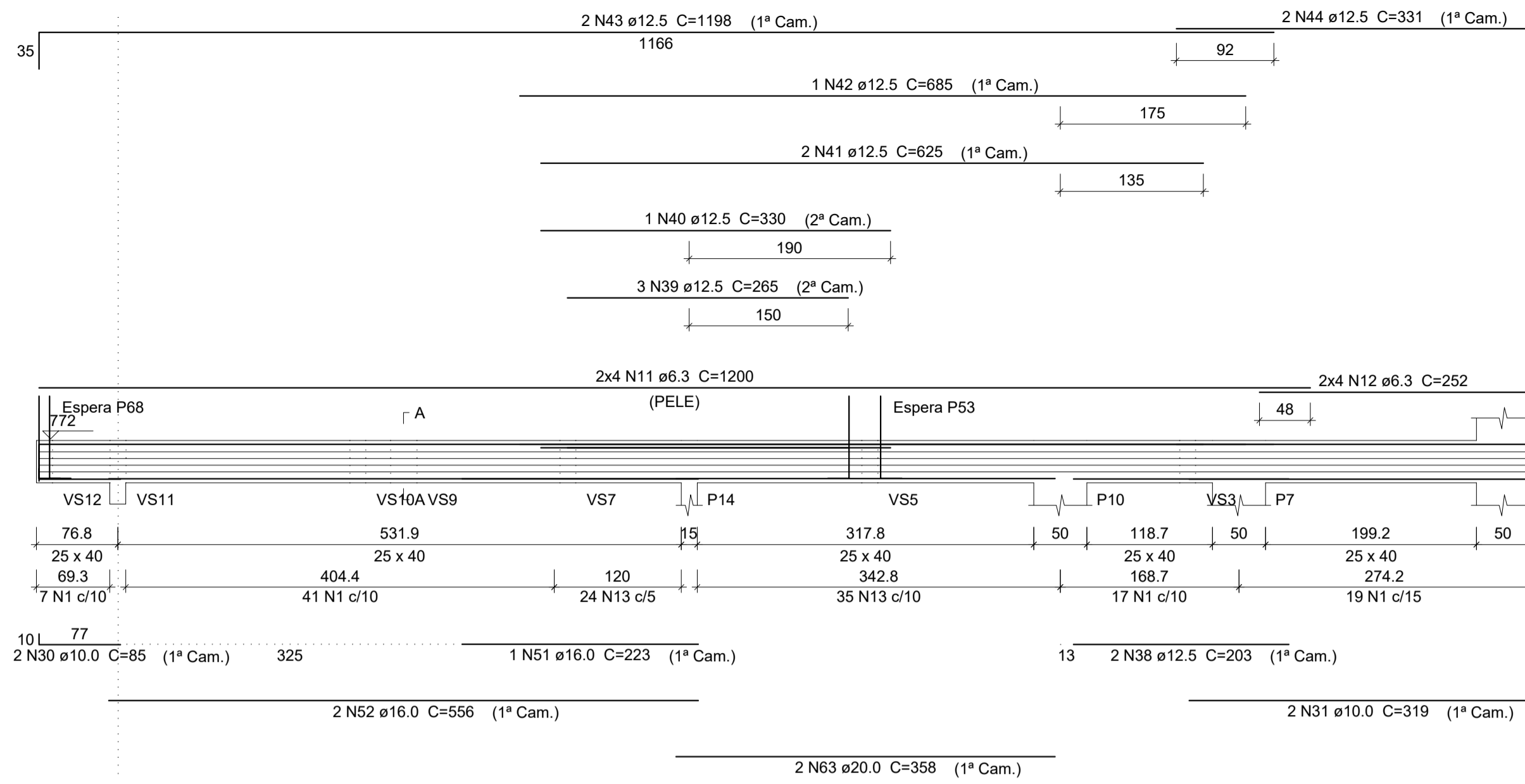
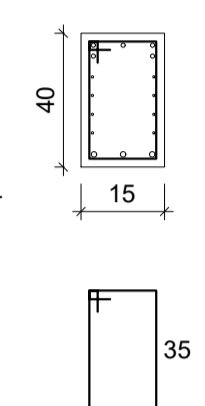


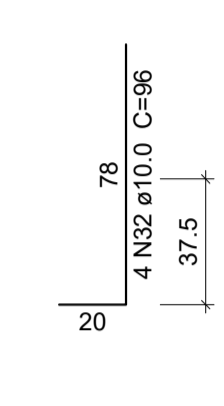
**VS14**  
ESC 1:50



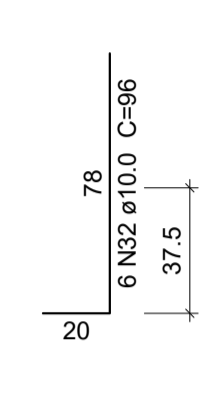
SEÇÃO A-A  
ESC 1:25



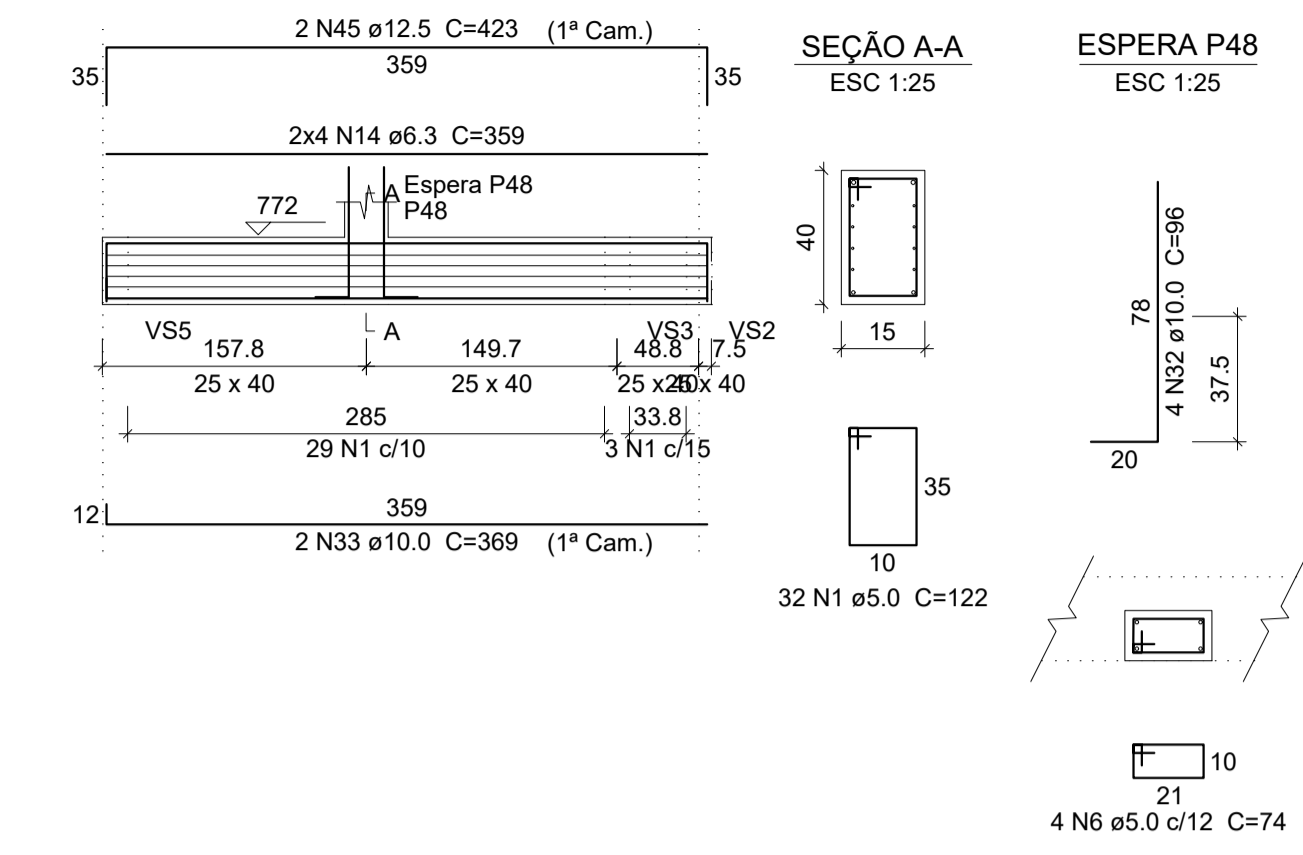
ESPERA P68  
ESC 1:25



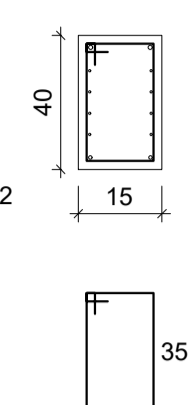
ESPERA P53  
ESC 1:25



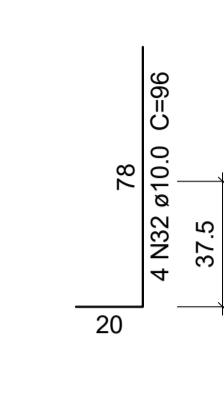
**VS15**  
ESC 1:50



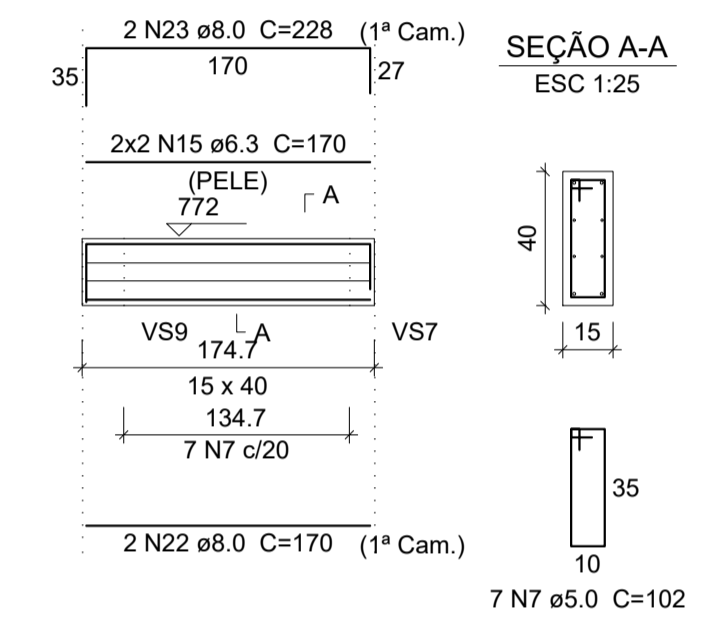
SEÇÃO A-A  
ESC 1:25



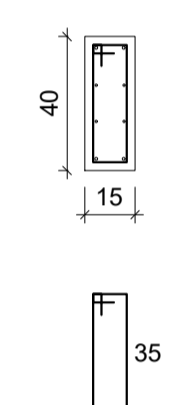
ESPERA P48  
ESC 1:25



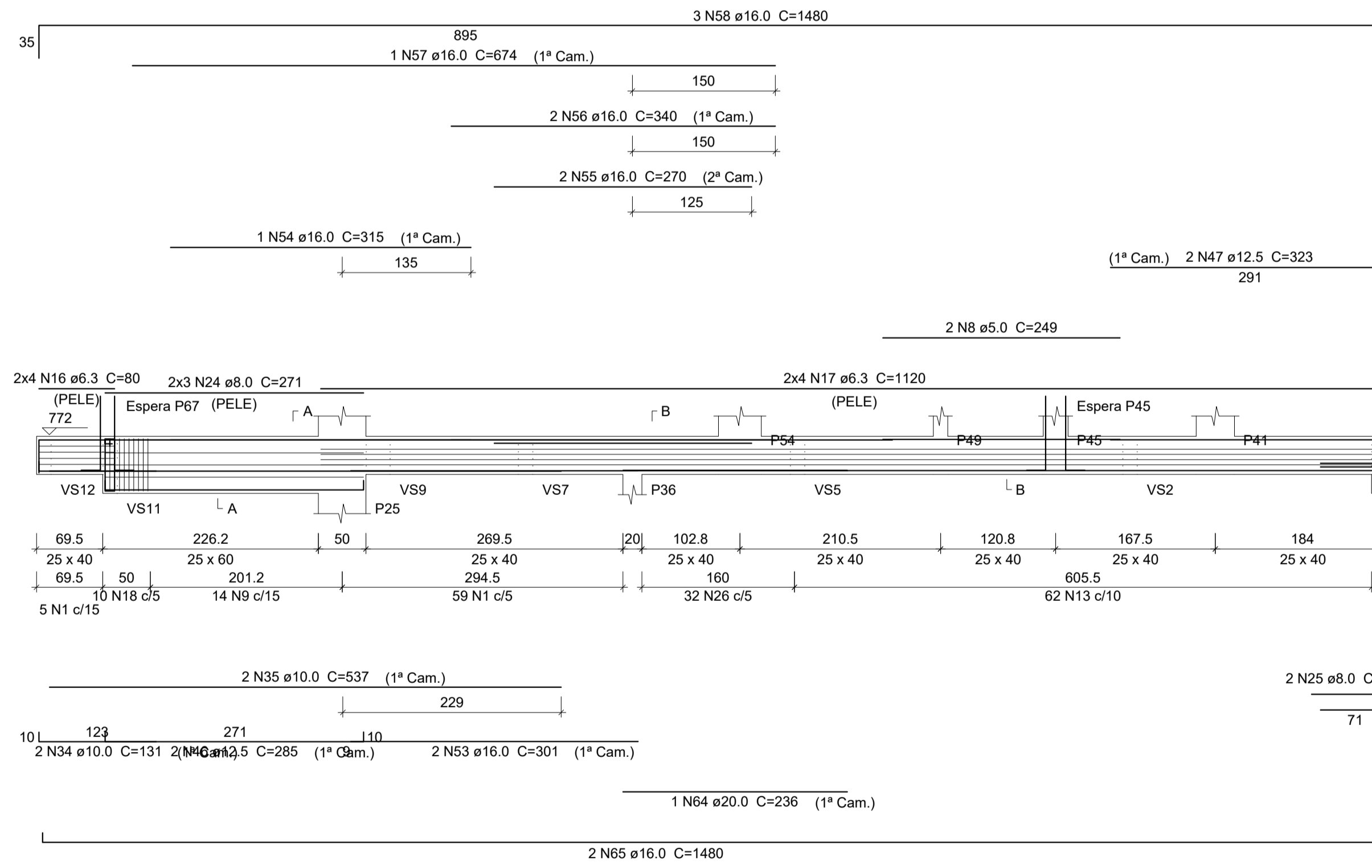
**VS16**  
ESC 1:50



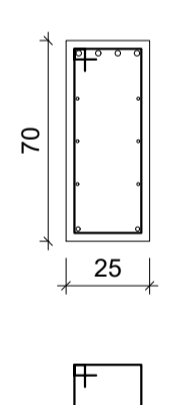
SEÇÃO A-A  
ESC 1:25



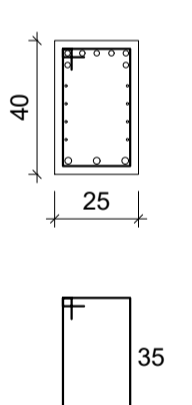
**VS17**  
ESC 1:50



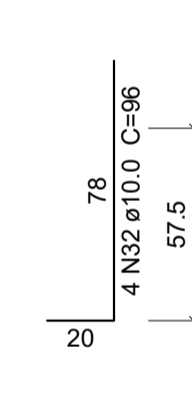
SEÇÃO A-A  
ESC 1:25



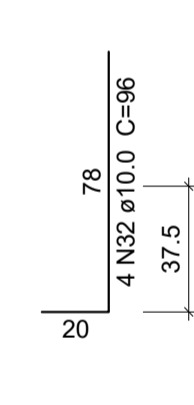
SEÇÃO B-B  
ESC 1:25



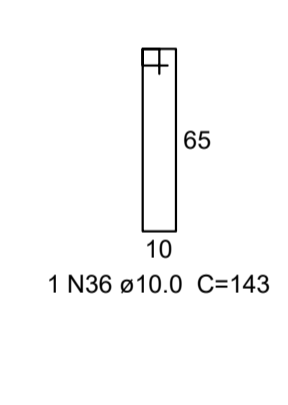
ESPERA P67  
ESC 1:25



ESPERA P45  
ESC 1:25



SUSPENSÃO VS11  
ESC 1:25

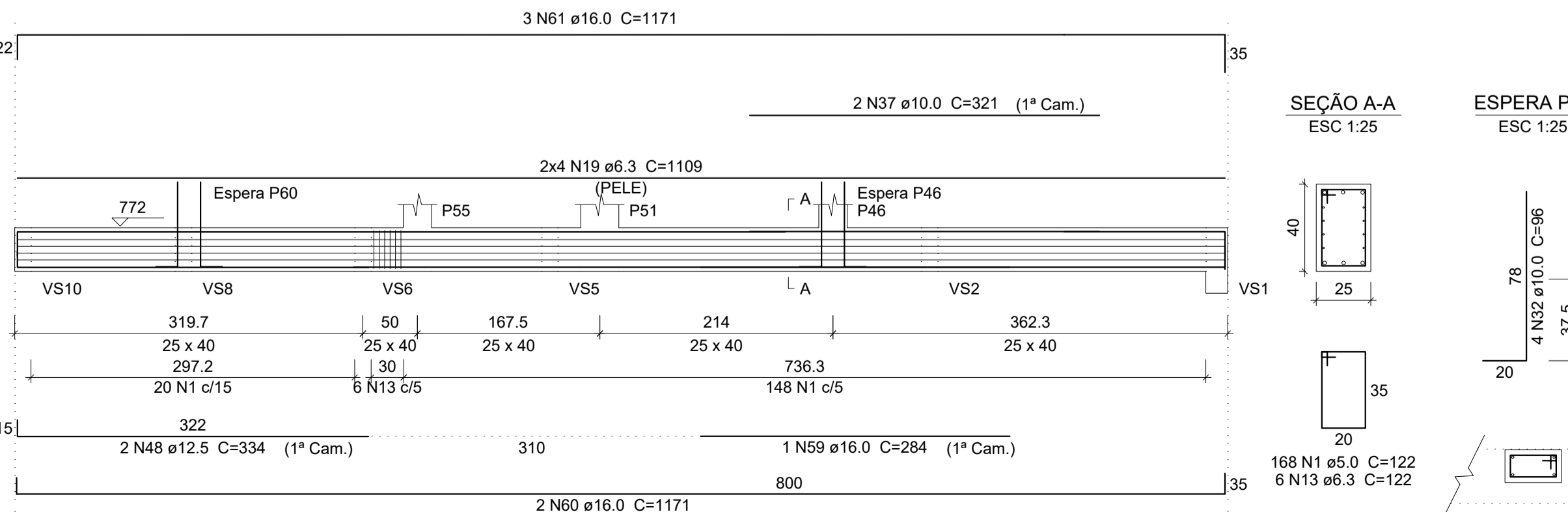


**Resumo do aço**

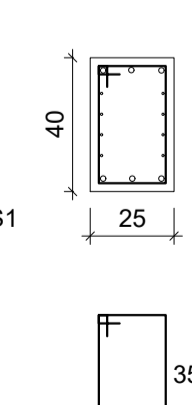
AOÇO	DIAM	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	532.1	143.2
	8.0	75	32.5
	10.0	109.7	74.4
	12.5	100.4	106.4
	16.0	99	240.8
CA60	5.0	491.8	83.4
<b>PESO TOTAL</b>			
CA50		598.8	
CA60		83.4	

Vol. de concreto total (C-25) = 4.8 m³  
Área de forma total = 50.91 m²

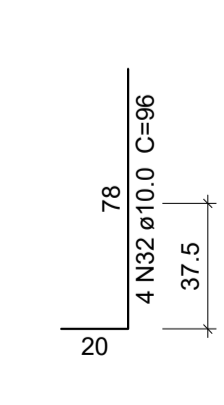
**VS18**  
ESC 1:50



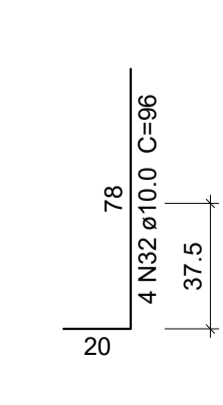
SEÇÃO A-A  
ESC 1:25



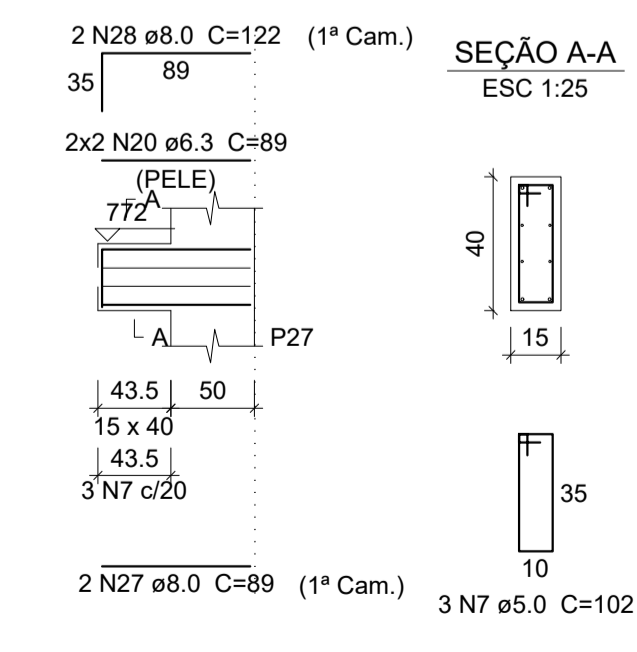
ESPERA P60  
ESC 1:25



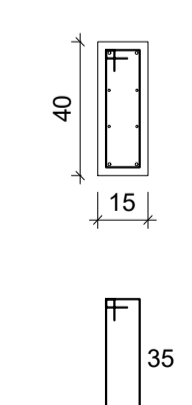
ESPERA P46  
ESC 1:25



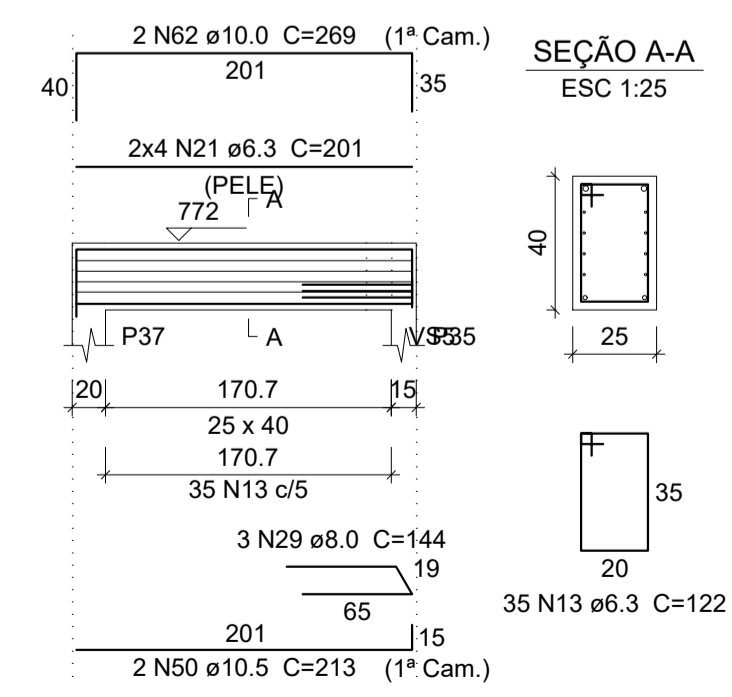
**VS19**  
ESC 1:50



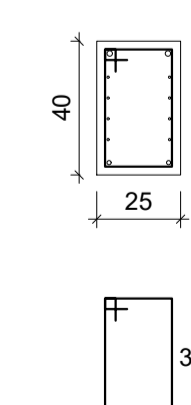
SEÇÃO A-A  
ESC 1:25



**VS20**  
ESC 1:50



SEÇÃO A-A  
ESC 1:25



**GB ENGENHARIA**  
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Aracaju - PR - Fone: (45) 35603-1699  
www.gbengenharia.com.br

**PROJETO ESTRUTURAL**

OBRA: **RESIDÊNCIA EM ALVENARIA**

CLIENTE: **SILAS AUGUSTO BULGARELLI DE FREITAS**

ENDEREÇO: **RUA ARACÉ, nº 24 FAZENDA SÃO JOSÉ - SANTANA DE PARNAÍBA - SP**

RESPONSÁVEL TÉCNICO: **GUSTAVO H. S. BELANSON** CREA-PR 193709/D

CONTEUDO: **VIGAS PAV. SUPERIOR - 02**

ESCALA: **1:50** DATA: **31/01/2022** PRANCHA: **01/01**

UNIDADE: **cm** ARQUIVO: **DWG** REVISÃO: **00**