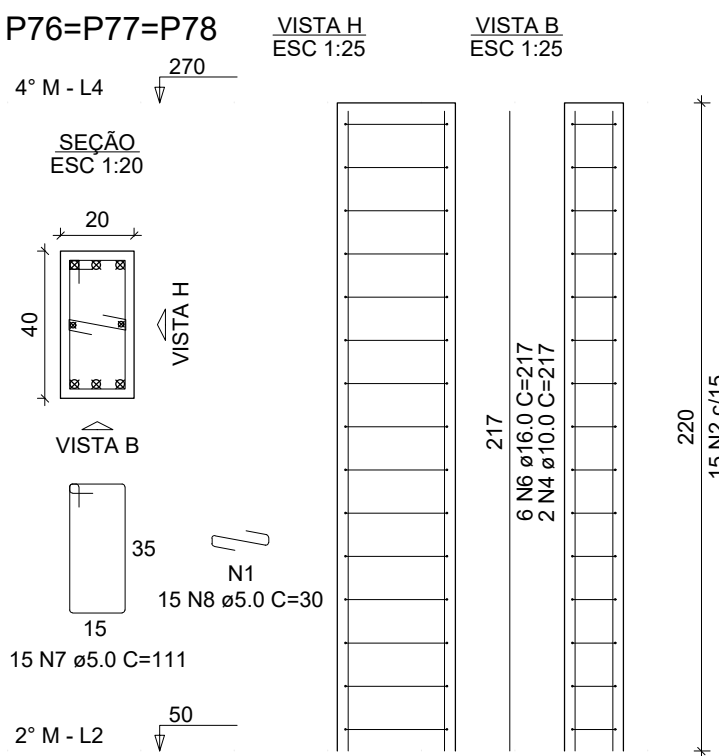
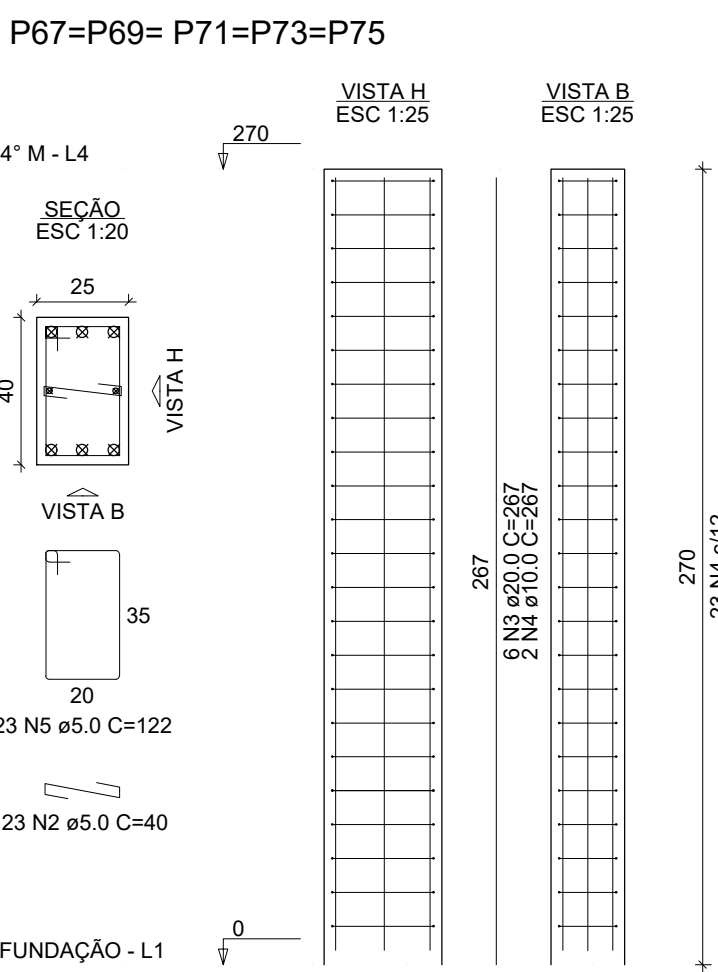
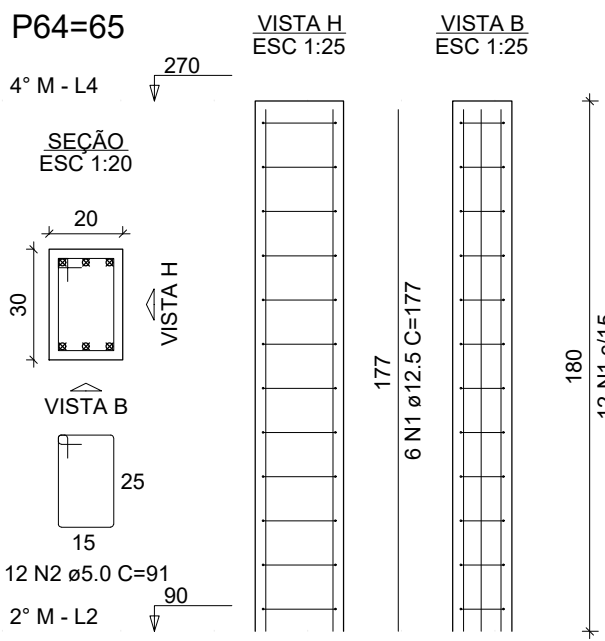


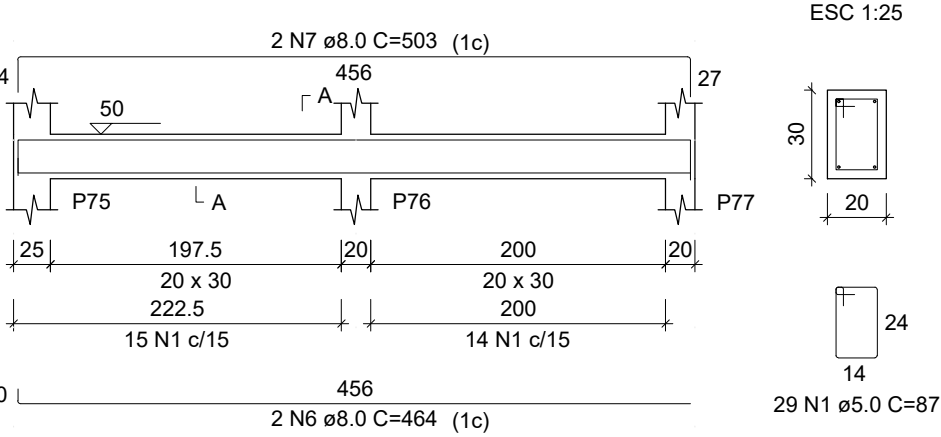
TRECHO 09  
PILARES 65 A 77



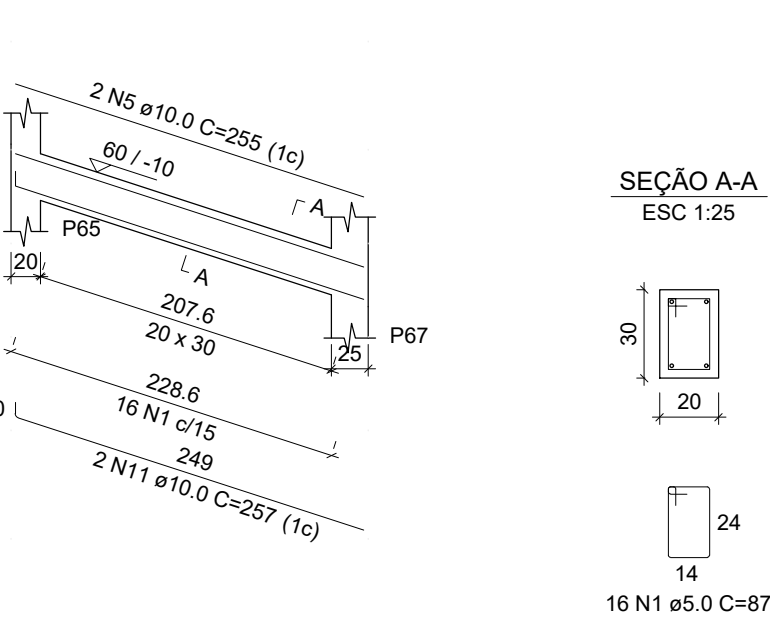
RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	39.7	26.9
	12.5	21.2	22.5
	16.0	39.1	68.0
	20.0	106.8	289.5
CA60	5.0	271.6	45.9
PESO TOTAL (kg)			
CA50	406.9		
CA60	45.9		

Volume de concreto (C-25) = 2.09 m³  
Área de forma = 29.07 m²

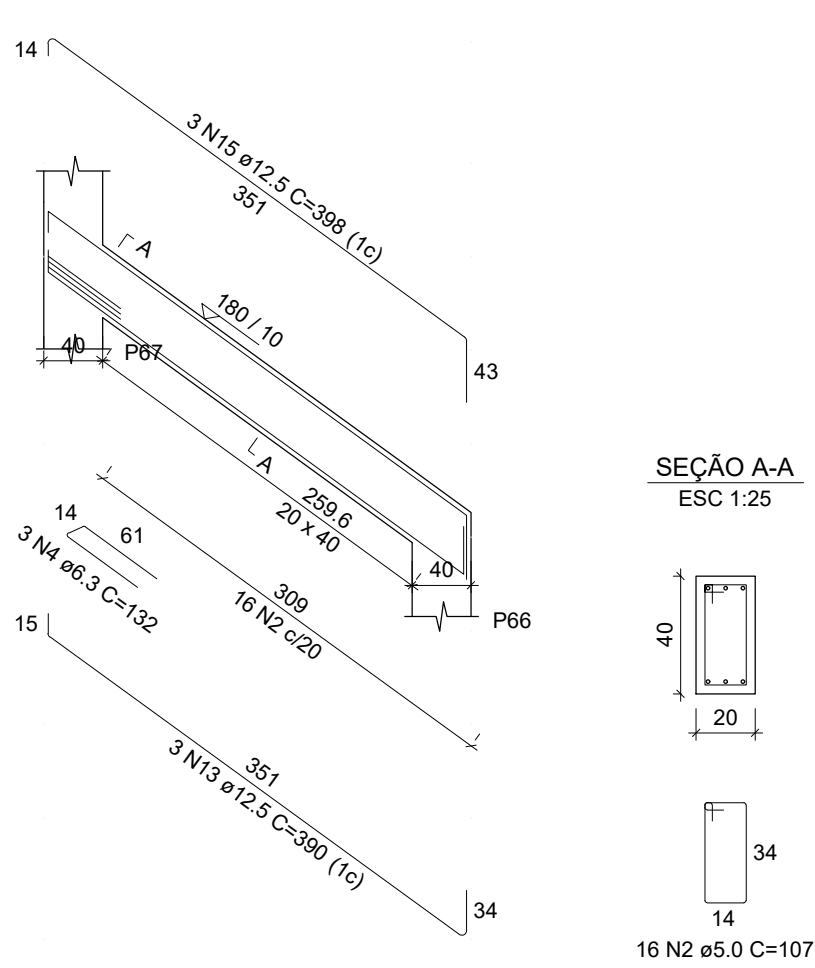
TRECHO 09 - VB8



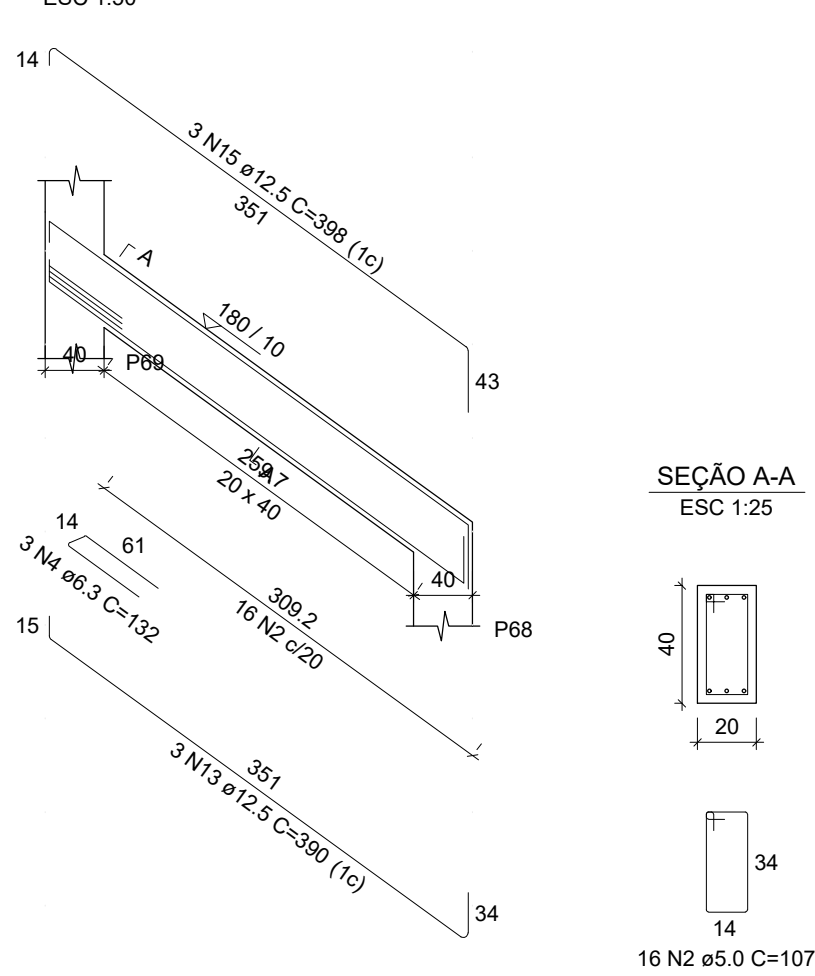
TRECHO 09 - V INCL 1



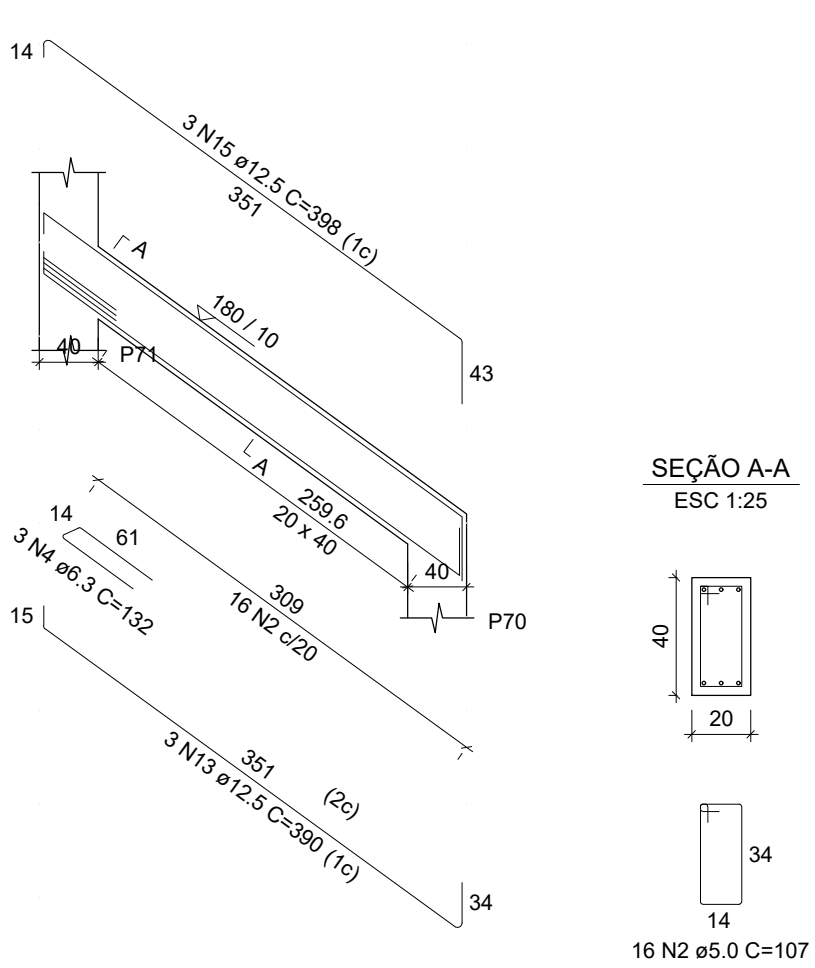
TRECHO 09 - V INCL 2



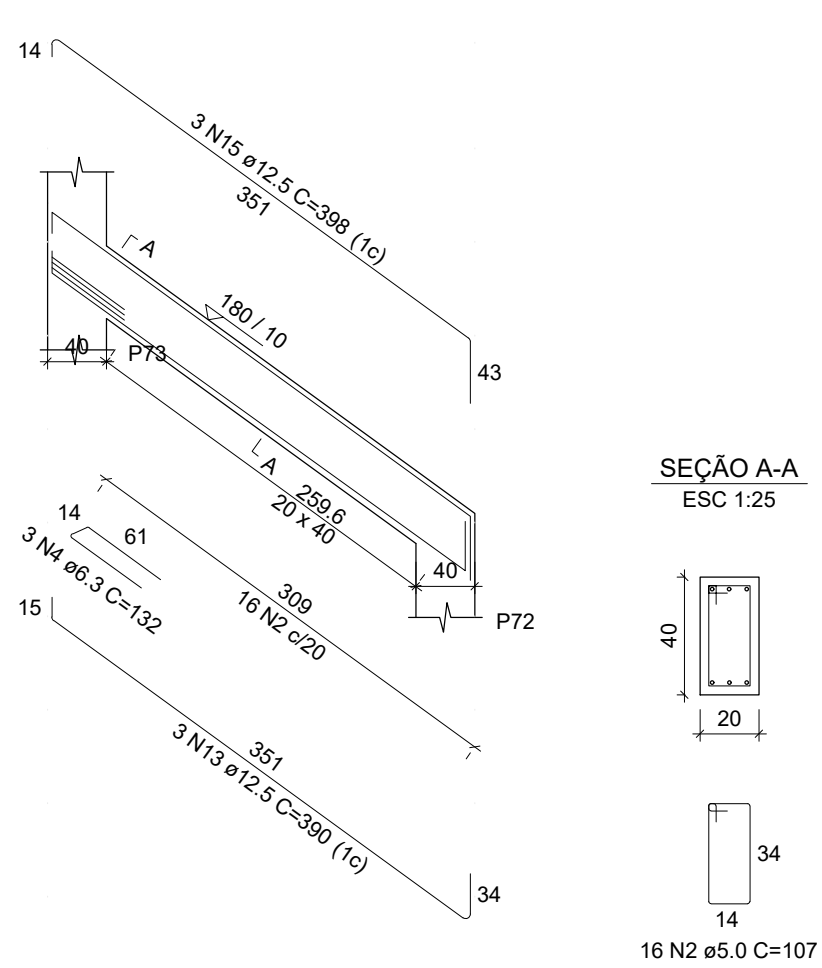
TRECHO 09 - V INCL 3



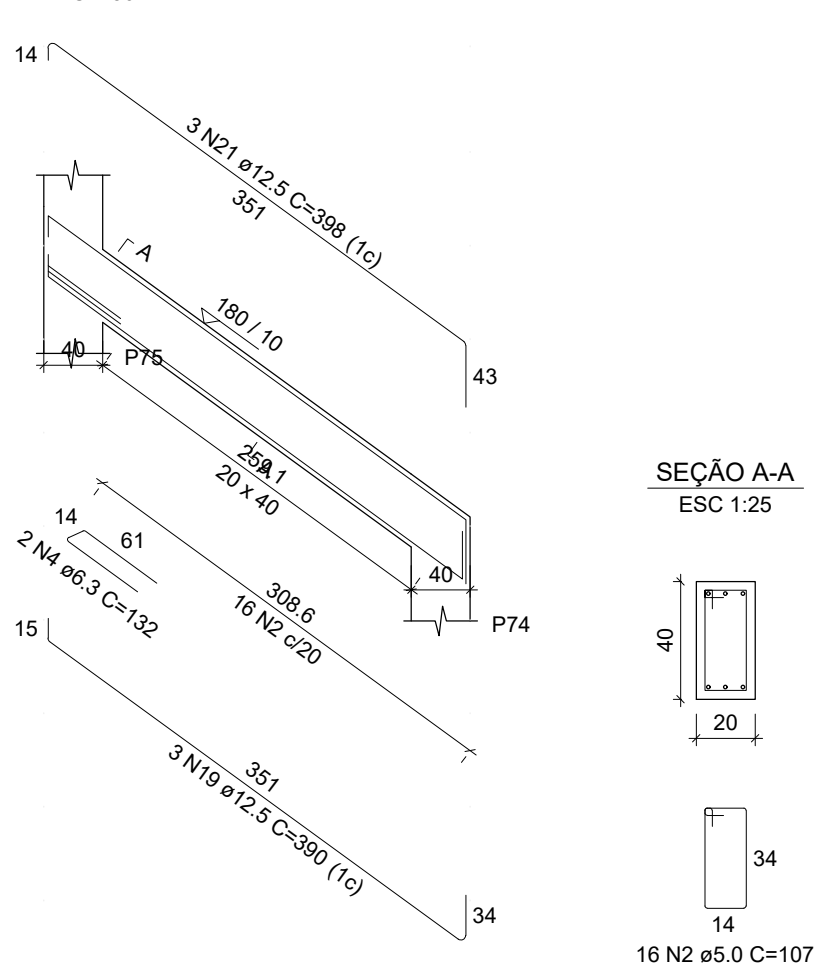
TRECHO 09 - V INCL 4



TRECHO 09 - V INCL 5



TRECHO 09 - V INCL 6



RELAÇÃO DO AÇO

TRECHO 09 - V1 TRECHO 09 - V INCL 2 TRECHO 09 - V INCL 5  
TRECHO 09 - V INCL 2 TRECHO 09 - V INCL 5 TRECHO 09 - V INCL 5  
TRECHO 09 - V INCL 5 TRECHO 09 - V INCL 5 TRECHO 09 - V INCL 5

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	119	87	10353
CA50	2	5.0	80	107	8560
	3	6.3	2	102	204
	4	6.3	14	132	1848
	5	8.0	2	155	310
	6	8.0	2	464	928
	7	8.0	2	503	1006
	8	10.0	1	259	259
	9	10.0	2	1138	2276
	10	12.5	2	1135	2270
	11	12.5	2	257	514
	12	12.5	2	120	240
	13	12.5	16	390	6240
	14	12.5	8	389	3112
	15	12.5	16	398	6368
	16	12.5	1	377	377
	17	12.5	2	377	754
	18	12.5	1	377	377
	19	12.5	4	390	1560
	20	12.5	2	389	778
	21	12.5	4	398	1592

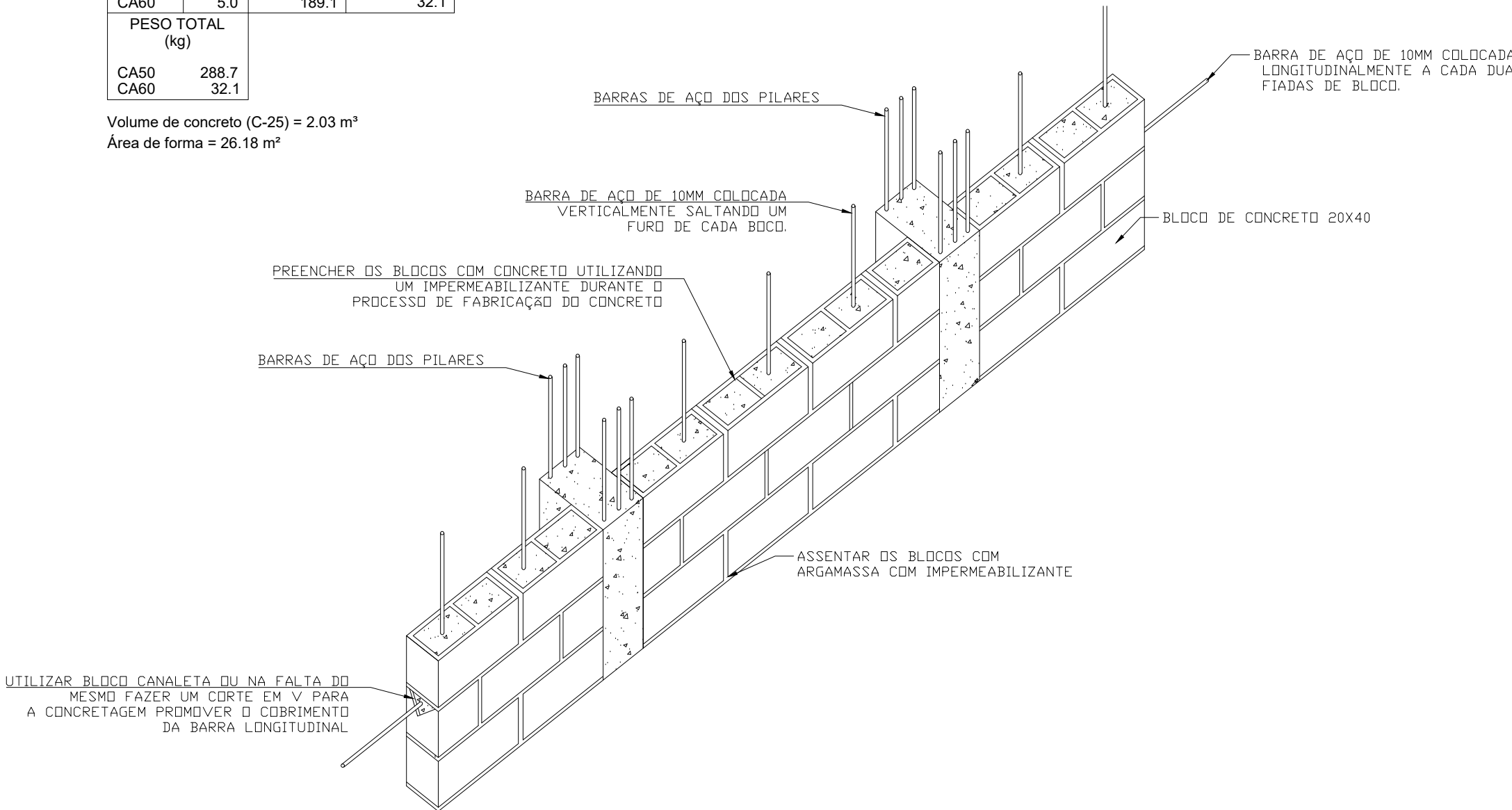
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	20.5	5.5
	8.0	22.4	9.7
	10.0	25.4	17.2
	12.5	241.8	256.3
CA60	5.0	189.1	32.1
PESO TOTAL (kg)			
CA50	288.7		
CA60	32.1		

Volume de concreto (C-25) = 2.03 m³  
Área de forma = 26.16 m²

OBSERVAÇÃO

- O CONCRETO PARA ESTACAS, TUBULÕES, VIGAS E PILARES DEVERÁ SER DE 25MPa.
- O CONCRETO PARA PREENCHER OS BLOCOS DEVERÁ SER DE 20MPa.



PROJETO ESTRUTURAL



OBRA - PÚBLICA - TRECHO 09  
ENDEREÇO - RUA JOÃO RODRIGUES DOS SANTOS, VILA NOVA - CEDRO DO ABAETÉ-MG

RESPONSÁVEL TÉCNICO - GUILHERME VINICIUS MACHADO CREA: 250613

FRANQUIA - Pilares e Vigas Inclinadas

PAVIMENTO: Fundação UNIDADE: 01 FOLHA:

PROPRIETÁRIO: PREFEITURA DO CEDRO DO ABAETÉ 27/49

ESCALA: - DATA: 07/11/2022