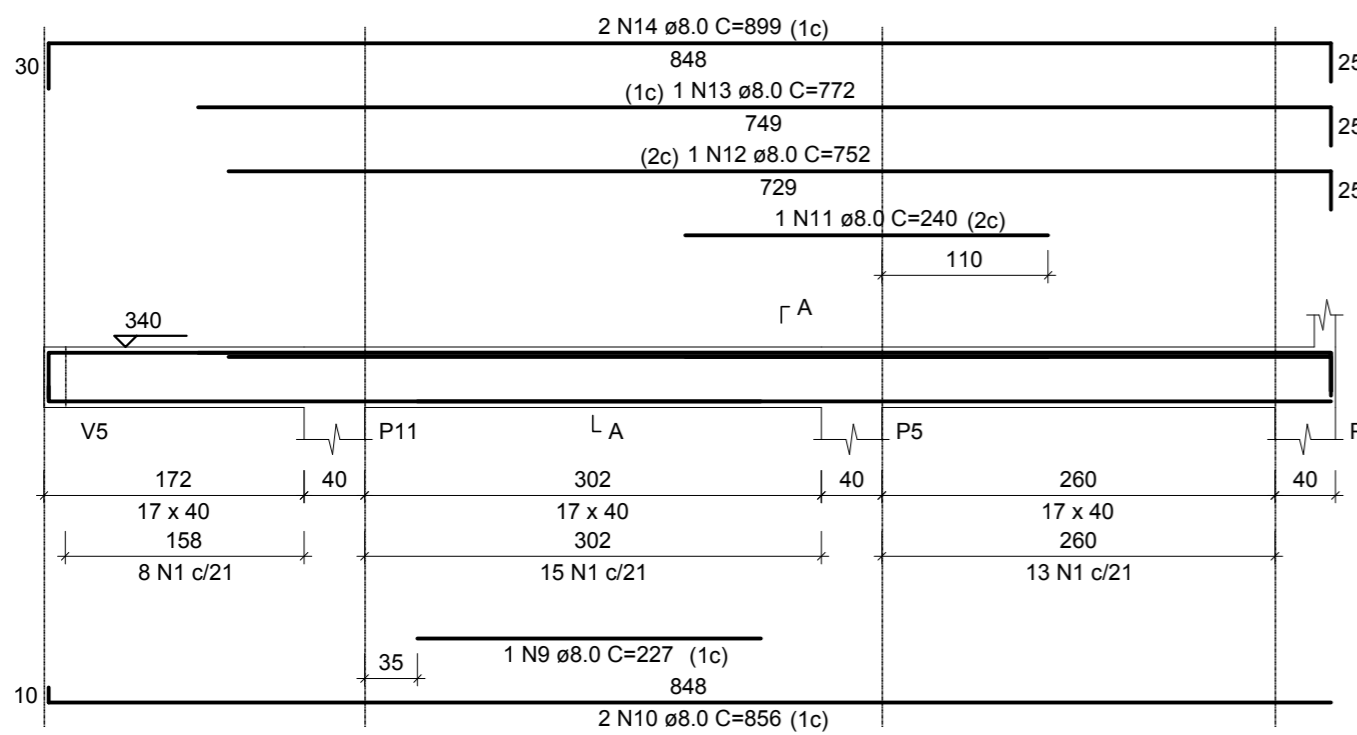


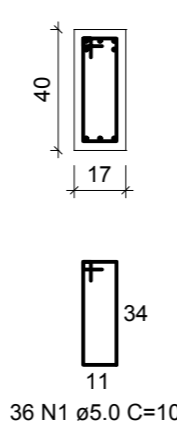
V11 (17 x 40)

ESC 1:50



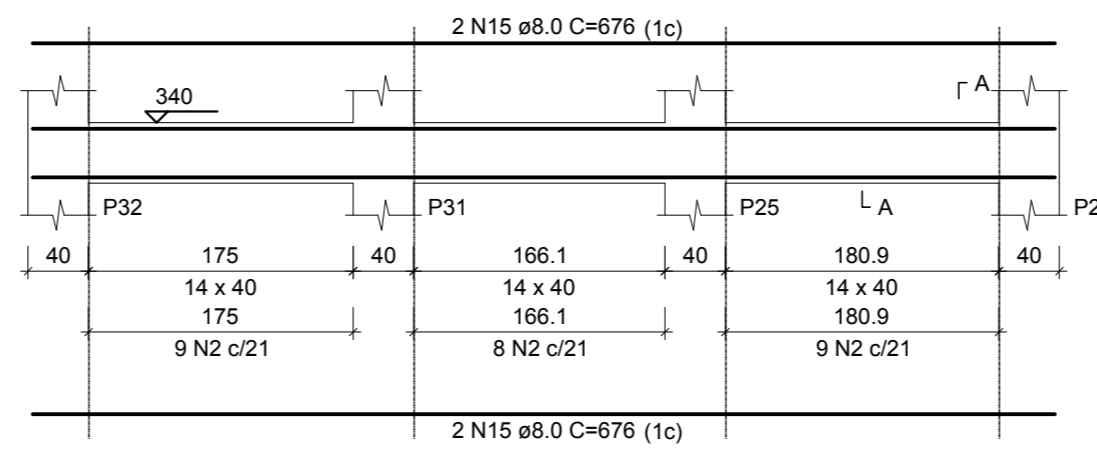
SEÇÃO A-A

ESC 1:25



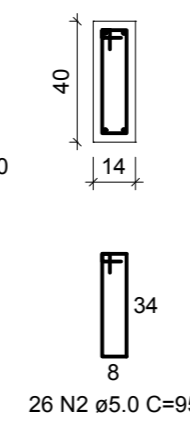
V12 (14 x 40)

ESC 1:50



SEÇÃO A-A

ESC 1:25

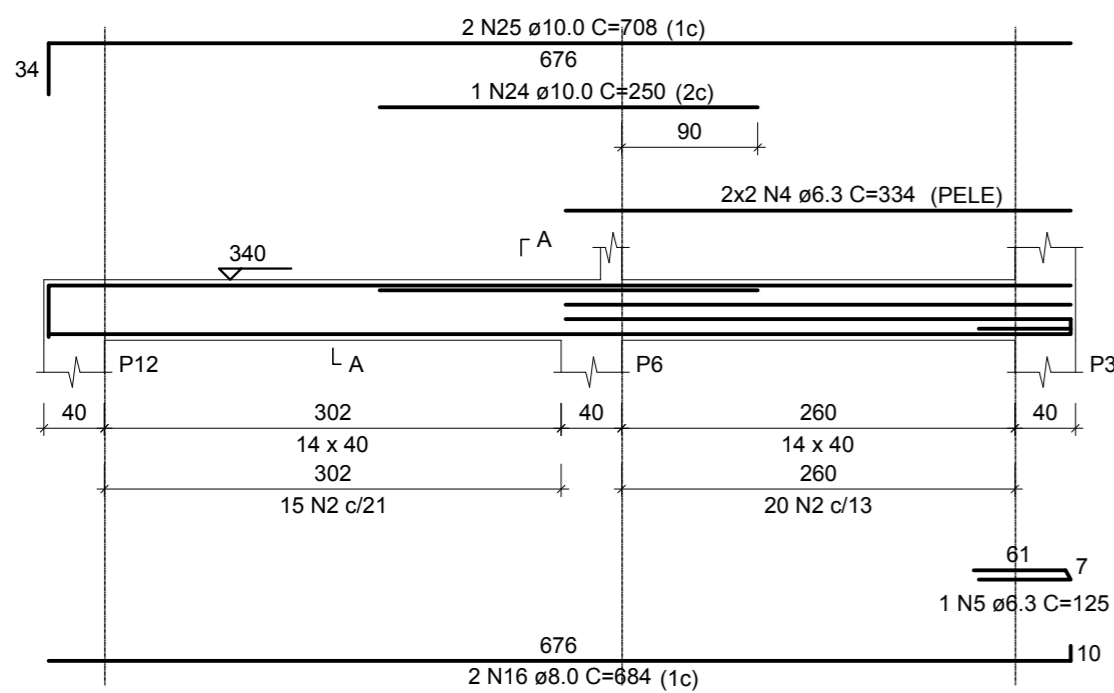


RELAÇÃO DO AÇO

RELAÇÃO DO AÇO	V11	V12	V13	V15	V17	V18	V19
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	92	101	9292		
	2	5.0	76	95	7220		
	3	5.0	70	115	8050		
CA50	4	6.3	4	334	1336		
	5	6.3	1	125	125		
	6	6.3	1	128	128		
	7	6.3	6	1200	7200		
	8	6.3	6	64	384		
	9	8.0	1	227	227		
	10	8.0	2	856	1712		
	11	8.0	1	240	240		
	12	8.0	1	752	752		
	13	8.0	1	772	772		
	14	8.0	2	899	1798		
	15	8.0	6	676	4056		
	16	8.0	4	684	2736		
	17	8.0	2	376	752		
	18	8.0	1	422	422		
	19	8.0	2	428	856		
	20	8.0	2	887	1774		
	21	8.0	2	389	778		
	22	8.0	3	1096	3288		
	23	8.0	3	175	525		
	24	10.0	1	250	250		
	25	10.0	2	708	1416		
	26	10.0	1	501	501		
	27	10.0	2	736	1472		
	28	10.0	1	225	225		
	29	10.0	2	739	1478		

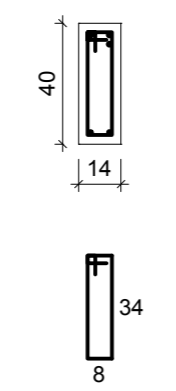
V13 (14 x 40)

ESC 1:50



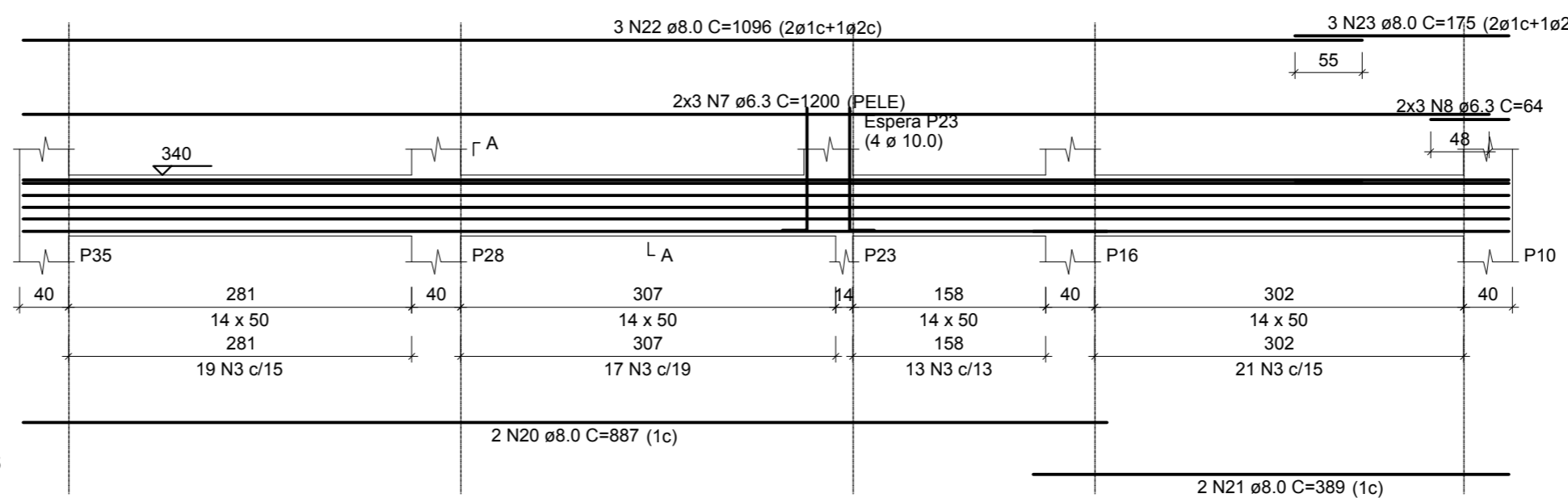
SEÇÃO A-A

ESC 1:25



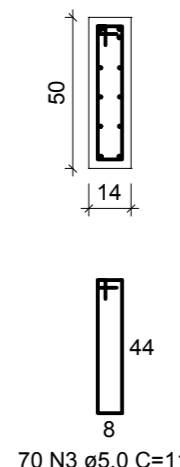
V19 (14 x 50)

ESC 1:50



SEÇÃO A-A

ESC 1:25



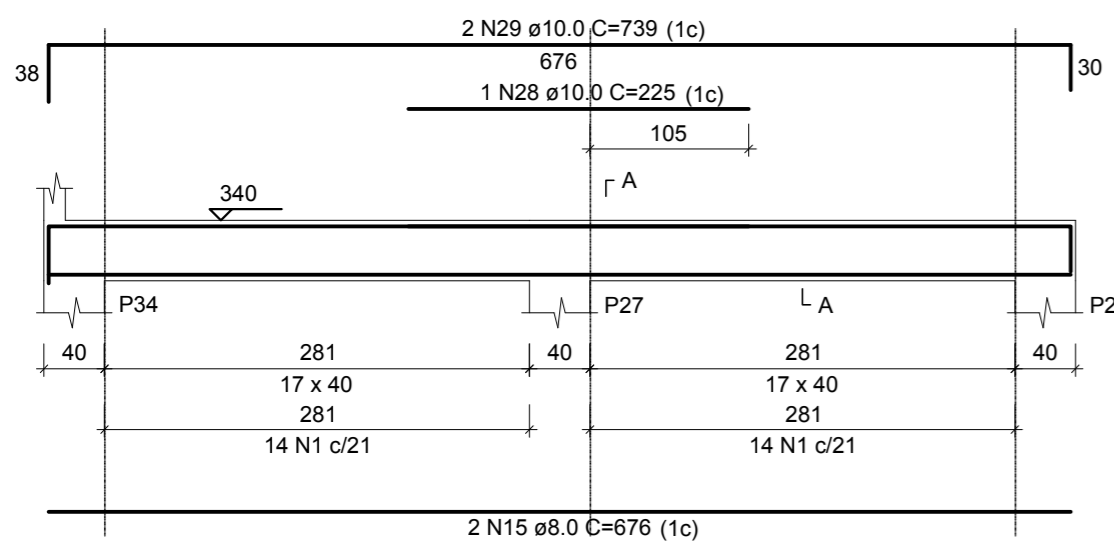
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	6.3	91.7	22.4
	8.0	206.9	81.6
	10.0	53.4	32.9
CA60	5.0	245.6	37.9
PESO TOTAL (kg)			
CA50		137	
CA60		37.9	

Volume de concreto (C-25) = 3.34 m³
Área de forma = 51.86 m²

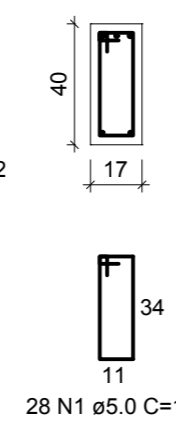
V17 (17 x 40)

ESC 1:50



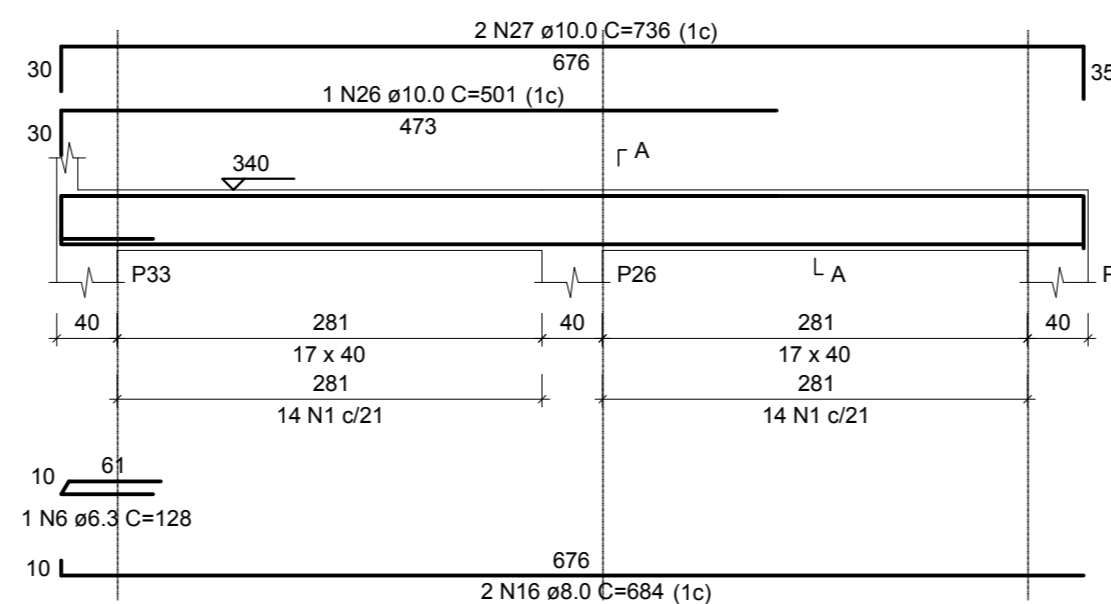
SEÇÃO A-A

ESC 1:25



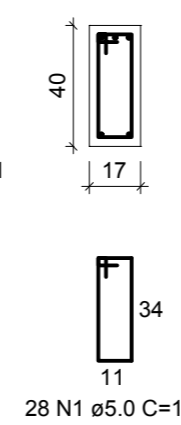
V15 (17 x 40)

ESC 1:50



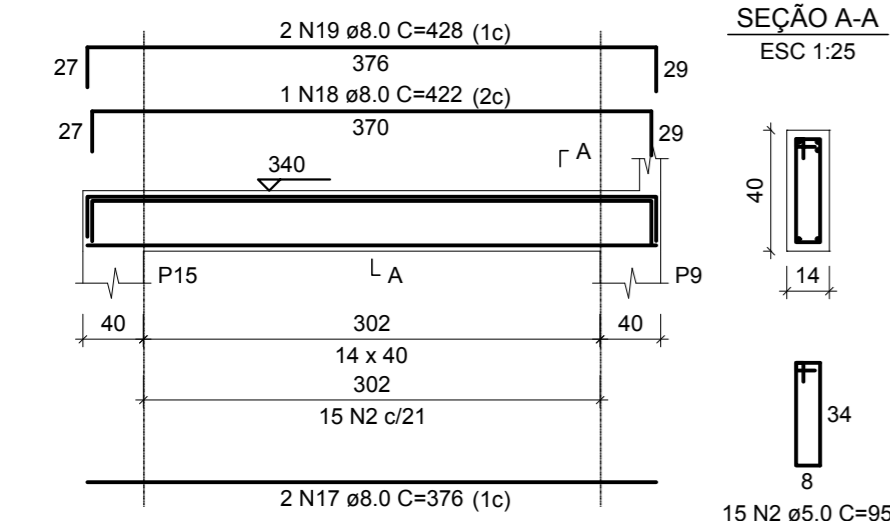
SEÇÃO A-A

ESC 1:25



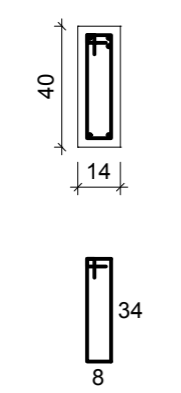
V18 (14 x 40)

ESC 1:50



SEÇÃO A-A

ESC 1:25



ESTRUTURAL

MUNICÍPIO

ANTÔNIO CARLOS - SC

OBRA
CASA DO AGRICULTOR

CONTEÚDO
VIGAS DA COBERTURA - FORMAS E ARMADURAS
PRANCHA 3

PROJETO

EXECUÇÃO

Eng.Civil Virginia Maria Wolff

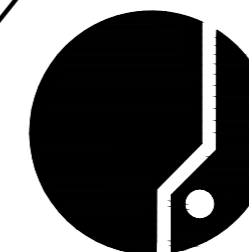
DESENHO
GRANFPOLIS

ESCALA
INDICADAS

DATA
MAI/2019

ÁREA
287,50 m²

PRANCHA
16



ASSOCIAÇÃO DOS MUNICÍPIOS
DA REGIÃO DA GRANDE FLORIANÓPOLIS
"GRANFPOLIS"
ASSESSORIA DE ENGENHARIA E ARQUITETURA