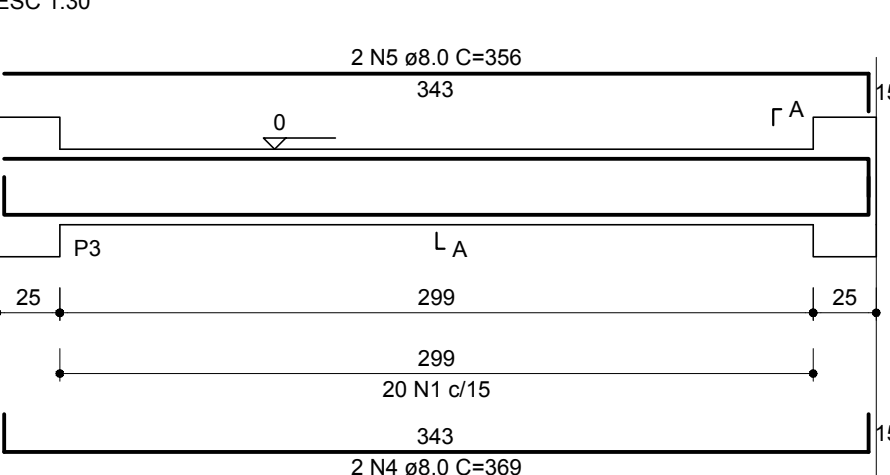
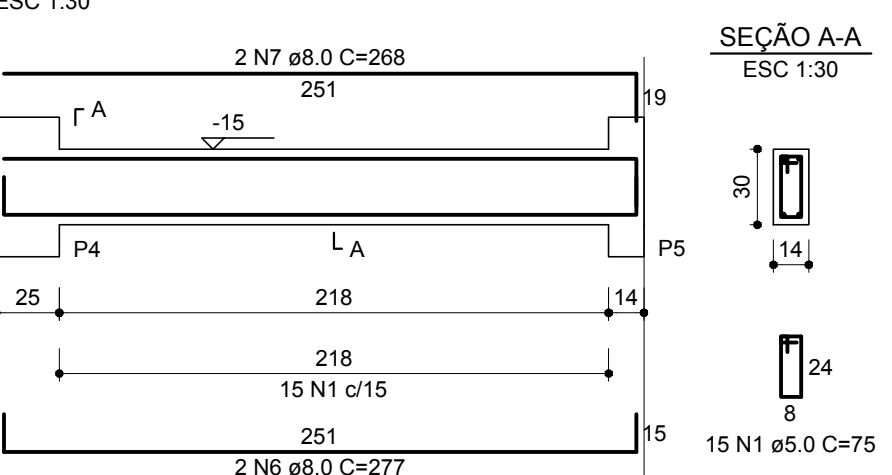


REGIÃO 3 - Vigas do térreo

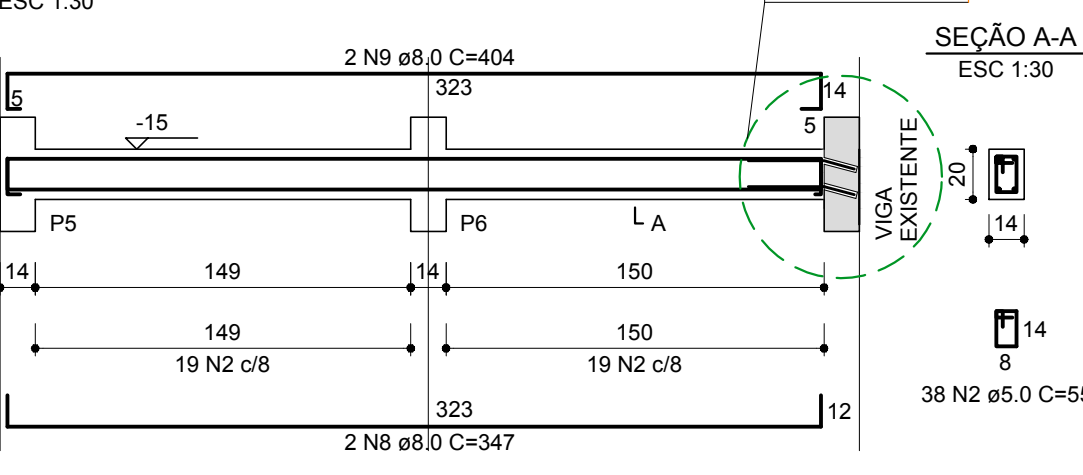
V1 (14 x 30)



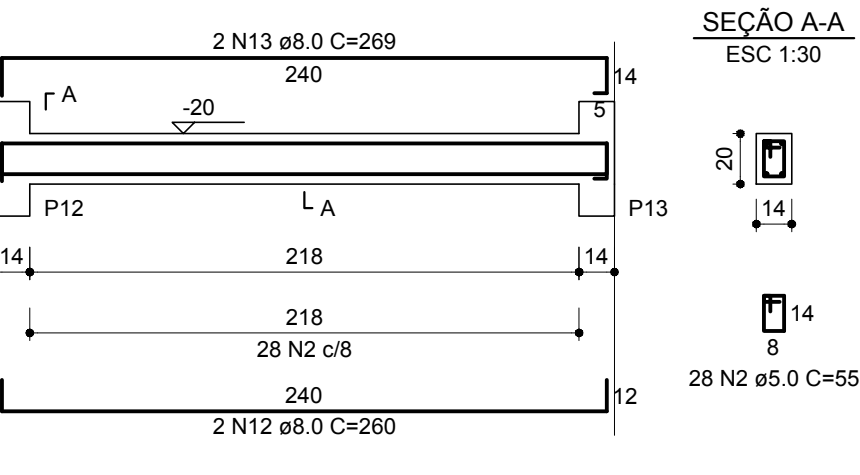
V2 (14 x 30)



V3 (14 x 20)

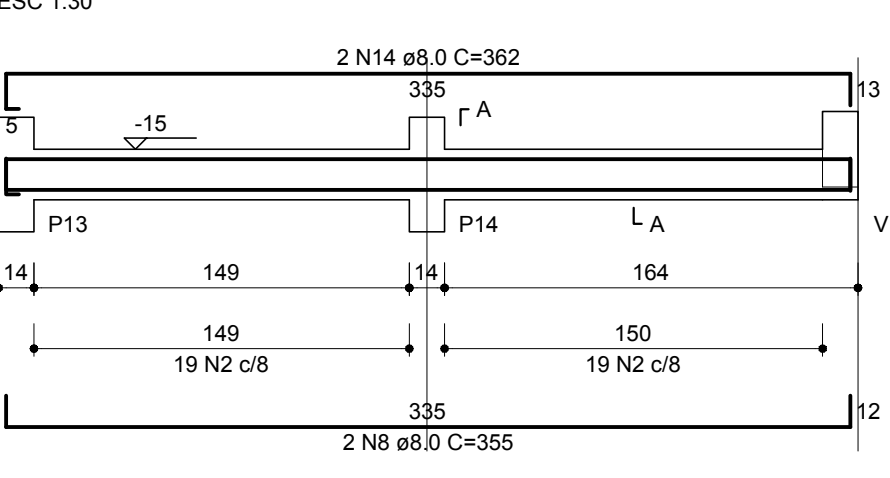


V5 (14 x 20)

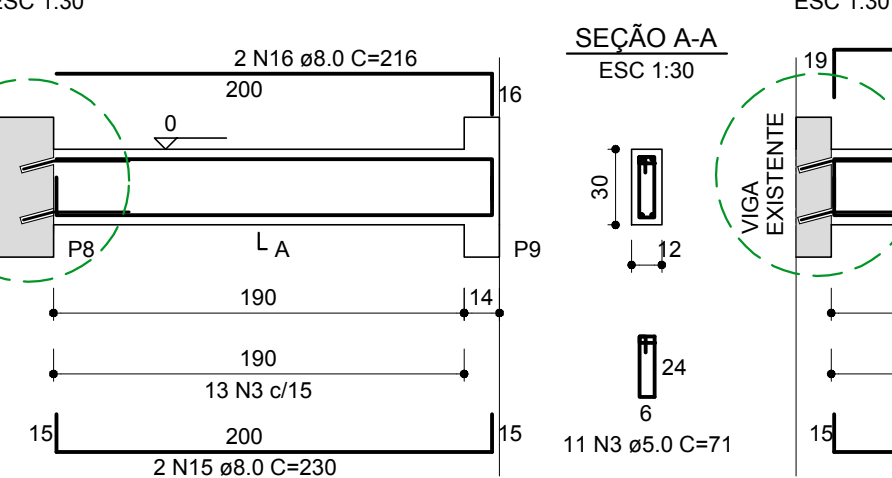


RELAÇÃO DO AÇO					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
V1	1	5.0	140	75	10500
V4	2	5.0	120	55	6600
V7	3	5.0	20	71	1420
V10	4	8.0	2	369	738
V13	5	8.0	2	366	712
	6	8.0	2	277	554
	7	8.0	2	268	536
	8	8.0	2	355	1420
	9	8.0	2	366	732
	10				
	11				
	12	8.0	2	260	520
	13	8.0	2	269	538
	14	8.0	2	362	724
	15	8.0	2	222	444
	16	8.0	2	210	420
	17	8.0	2	218	436
	18	8.0	2	226	452
	19	8.0	2	202	404
	20	8.0	2	176	352
	21	8.0	6	172	1032
	22	8.0	6	146	876
	23				
	24				
	25	8.0	2	479	958
	26	8.0	2	466	932

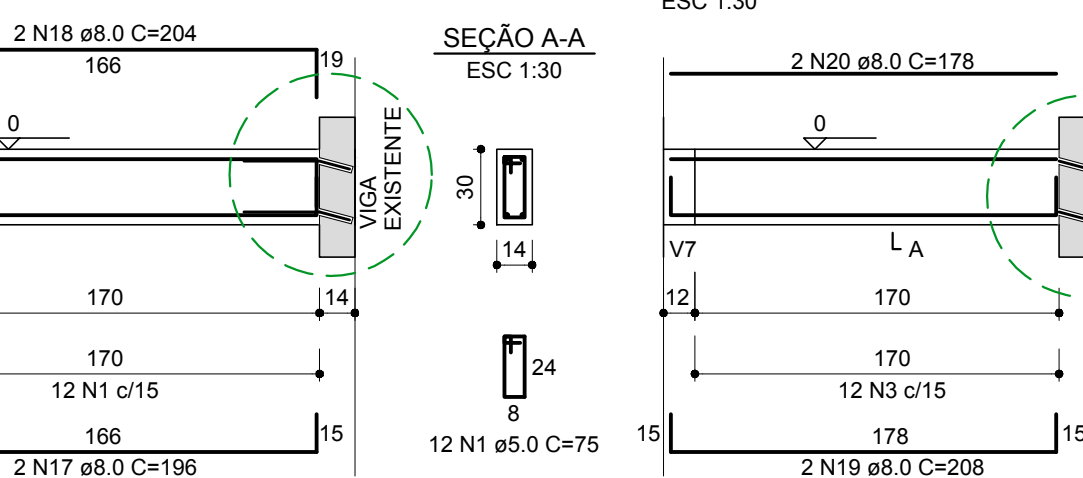
V6 (14 x 20)



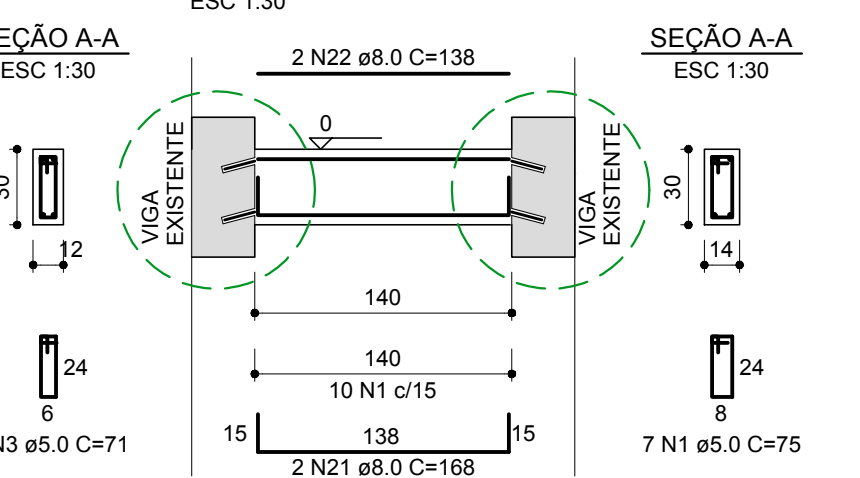
V7 (12 x 30)



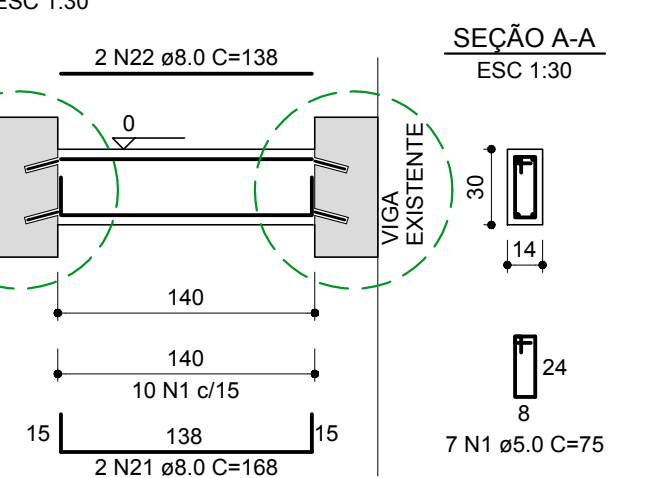
V8 (14 x 30)



V9 (12 x 30)



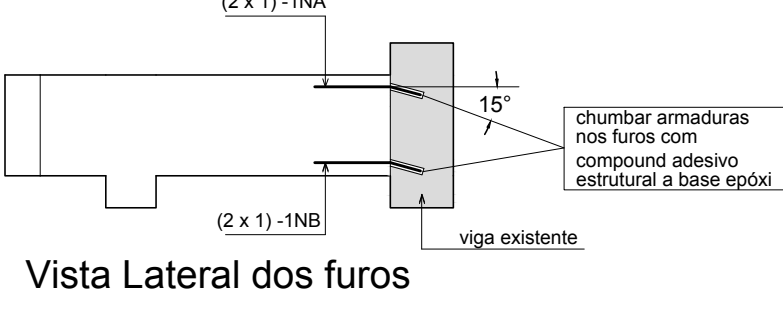
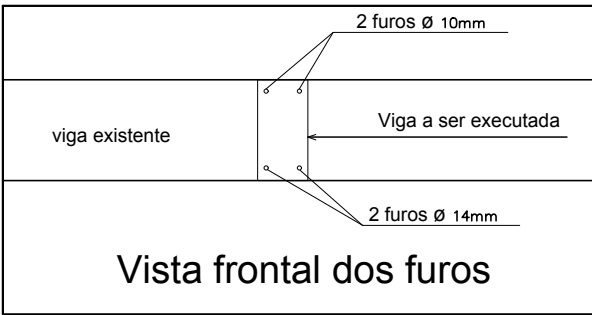
V10 (14 x 30)



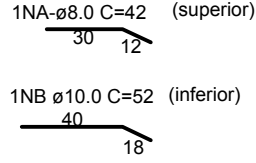
RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	8.0	165.6	65.4
CA60	10.0	1.7	1
CA60	5.0	185.2	28.5
PESO TOTAL (kg)			
CA50	66.4		
CA60	28.5		

Volume de concreto (C-25) = 1.47 m³
Área de forma = 26.82 m²

Detalhe da armadura a ser chumbada nas vigas existentes



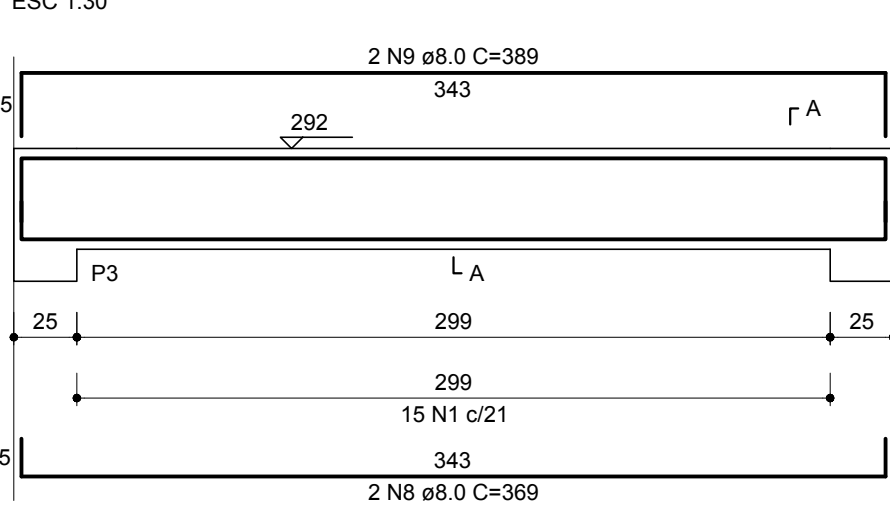
Detalhe da armadura a ser chumbada na viga existente



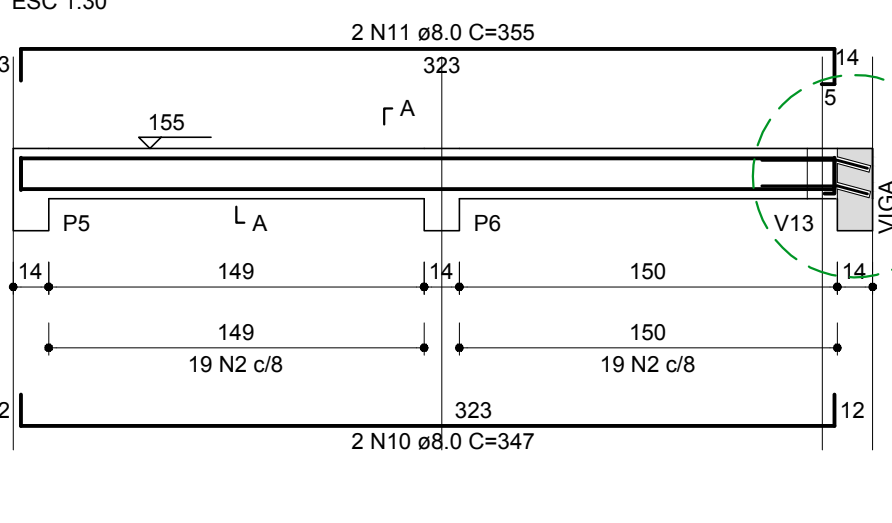
OBSERVAÇÕES:
- Fazer furos com os diâmetros e inclinações indicadas;
- A superfície deve estar limpa e isenta de pó;
- Preparar o Compound conforme instruções do fabricante (misturando componente A + componente B);
- Aplicar adesivo a base de epóxi (Compound) com espátula preenchendo toda a cavidade e colocar a armadura.

REGIÃO 3 - Vigas da cobertura

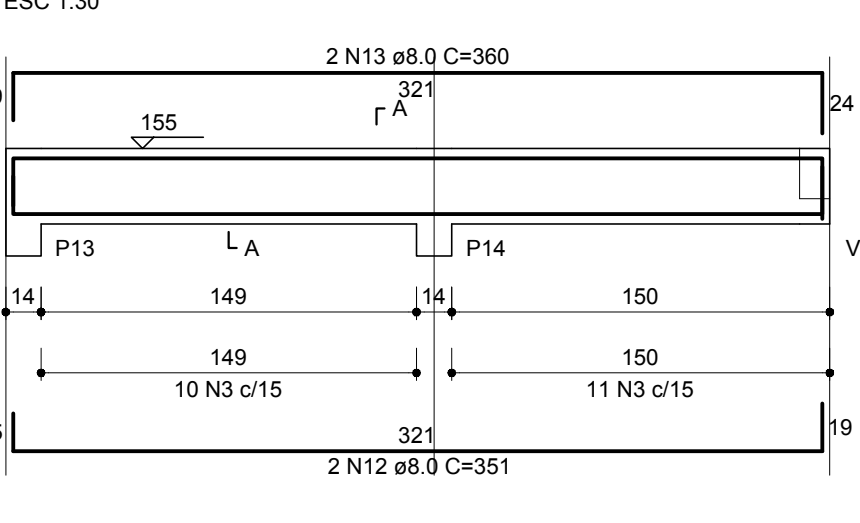
V1 (14 x 40)



V2 (14 x 20)

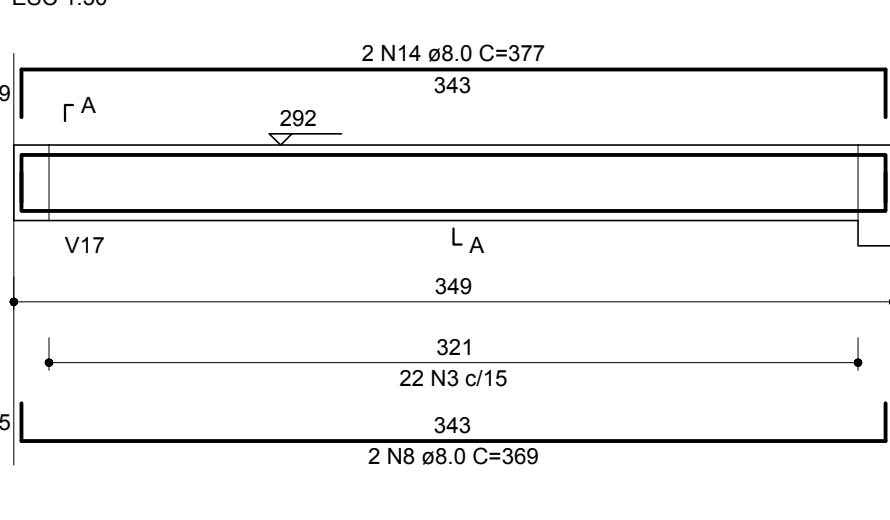


V3 (14 x 30)

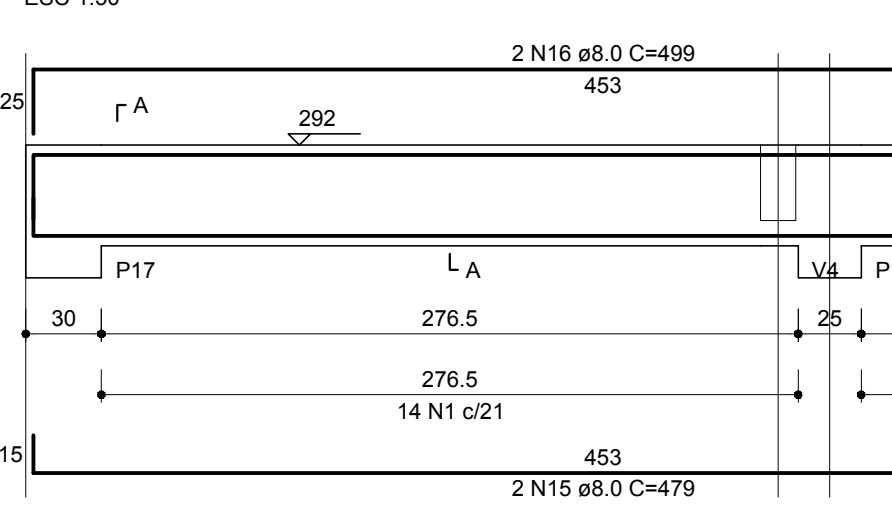


RELAÇÃO DO AÇO					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	35	95	3325
	2	5.0	51	55	2805
	3	5.0	52	75	3900
	4	5.0	31	51	1581
	5	5.0	2	97	194
	6	5.0	4	82	328
CA50	8	8.0	4	369	1476
	9	8.0	2	389	778
	10	8.0	2	355	710
	11	8.0	2	362	724
	12	8.0	2	351	702
	13	8.0	2	360	720
	14	8.0	2	377	754
	15	8.0	2	479	958
	16	8.0	2	499	998
	17	8.0	4	166	664
	18	8.0	2	168	336
	19	8.0	2	168	336
	20	8.0	2	165	330
	21	8.0	2	167	334
	22	8.0	3	57	171
	23	8.0	3	70	210
	24	8.0	2	172	344
	25	8.0	2	180	360

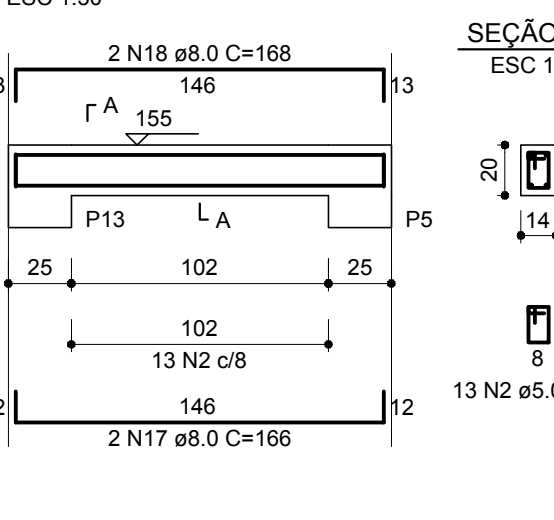
V4 (14 x 30)



V10 (14 x 40)



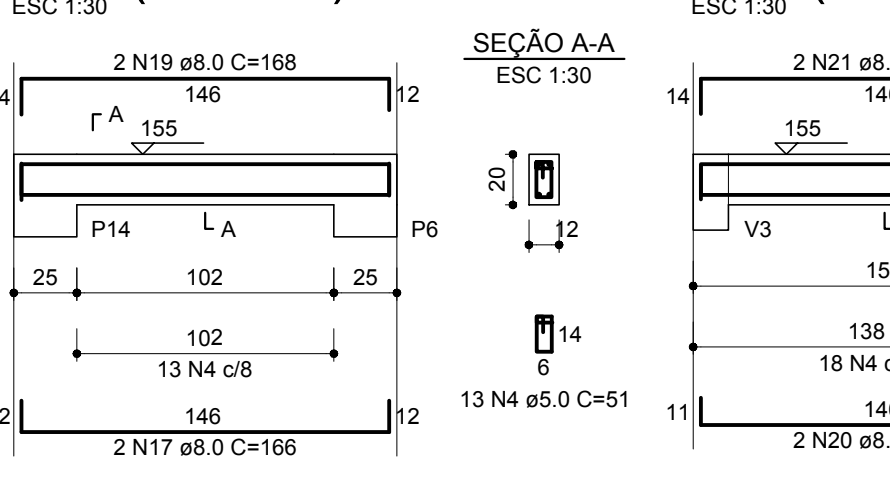
V11 (14 x 20)



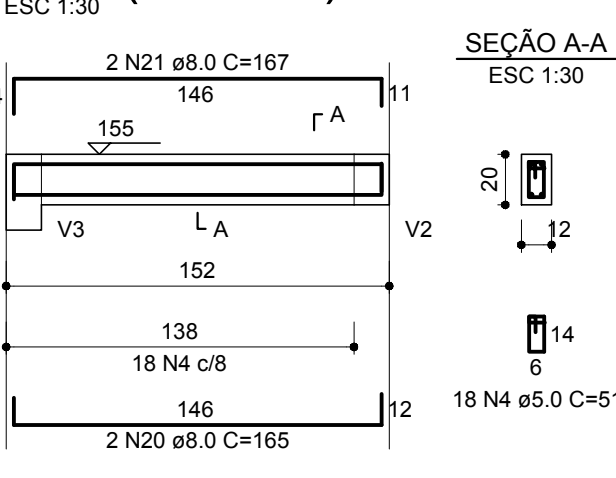
RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	8.0	111.9	44.1
CA60	5.0	124.5	19.2
PESO TOTAL (kg)			
CA50	44.1		
CA60	19.2		

Volume de concreto (C-25) = 1.05 m³
Área de forma = 18.51 m²

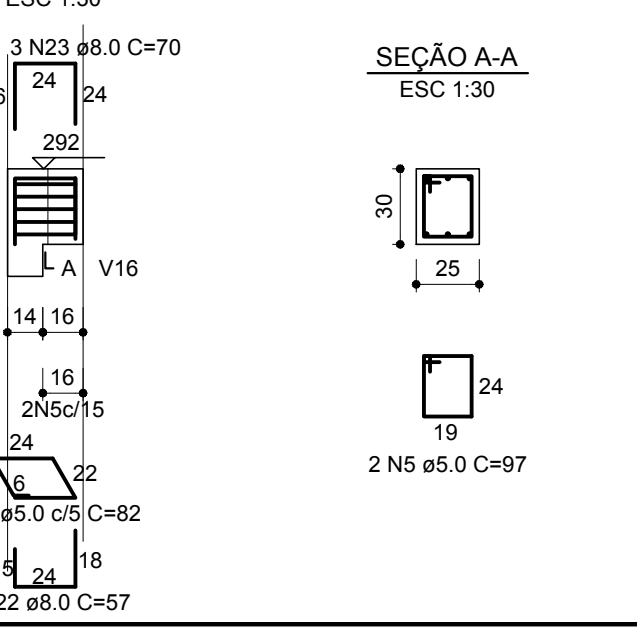
V12 (12 x 20)



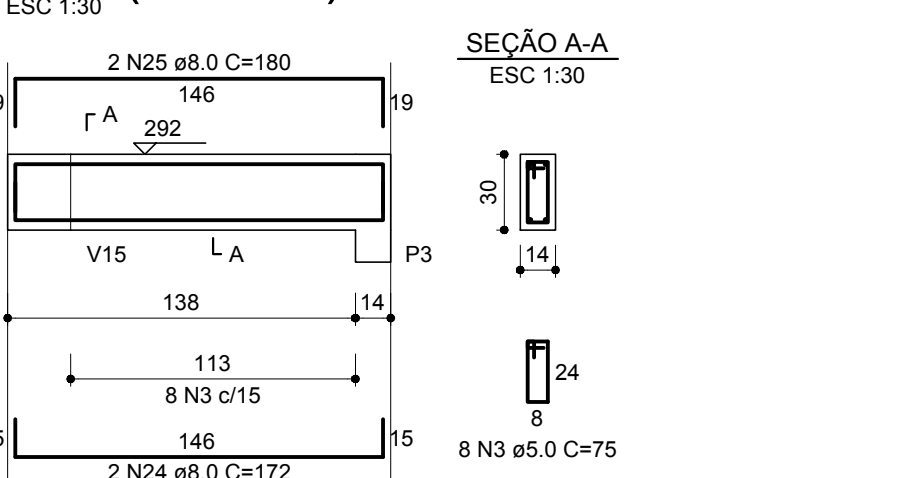
V13 (12 x 20)



V15 (25 x 30)
(Consolo no Pilar 11)



V16 (14 x 30)

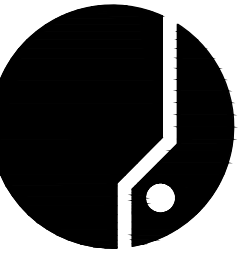


ESTRUTURAL

MUNICÍPIO

RANCHO QUEIMADO - SC

OBRA REFORMA E AMPLIAÇÃO DA UNIDADE BÁSICA DE SAÚDE IVONE KRUGER SCHWINDEN		CONTEÚDO FORMAS E ARMADURAS DAS VIGAS - TÉRREO E COBERTURA DA- REGIÃO 3	
PROJETO Eng.Civil Virginia Maria Wolff CREA/SC 37888-1		EXECUÇÃO	
DESENHO GRANFPOLIS	ESCALA INDICADAS	DATA AGO/2019	ÁREA 254,72 m²
			PRANCHA 5



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