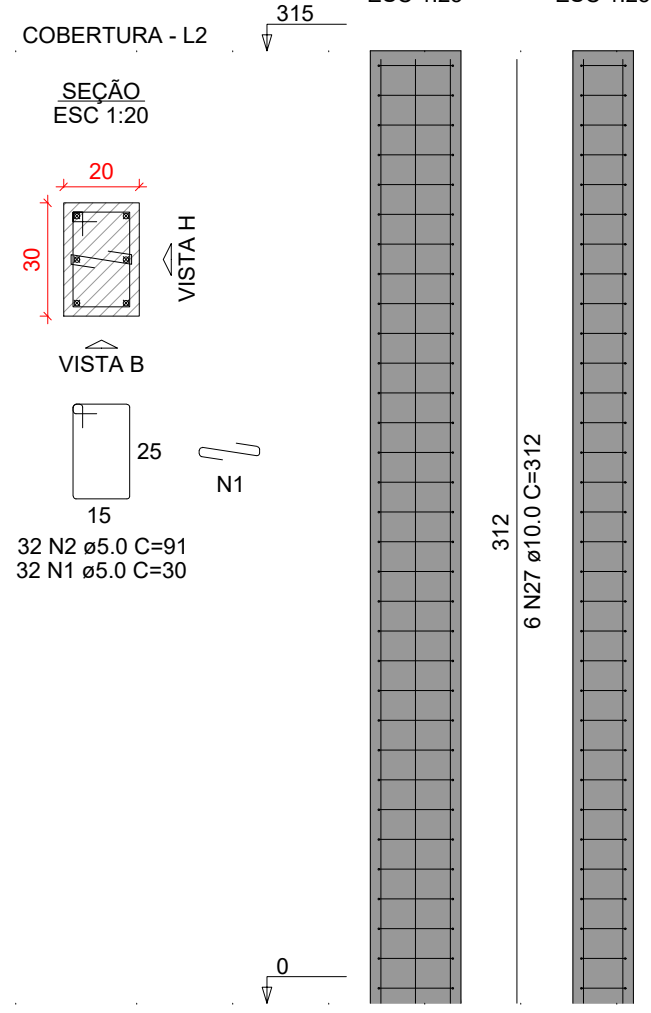
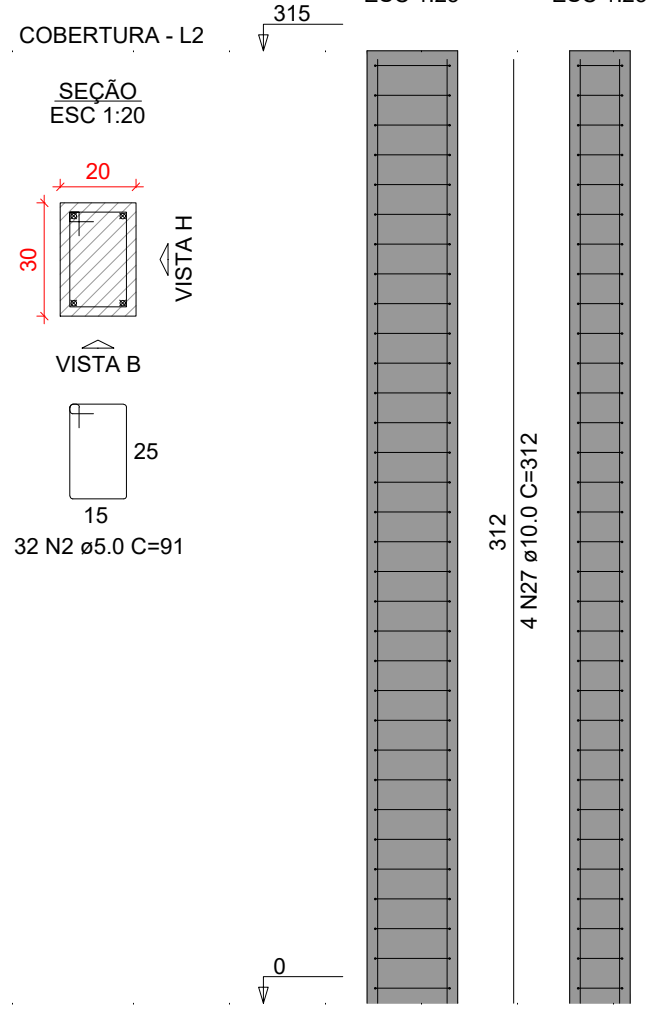


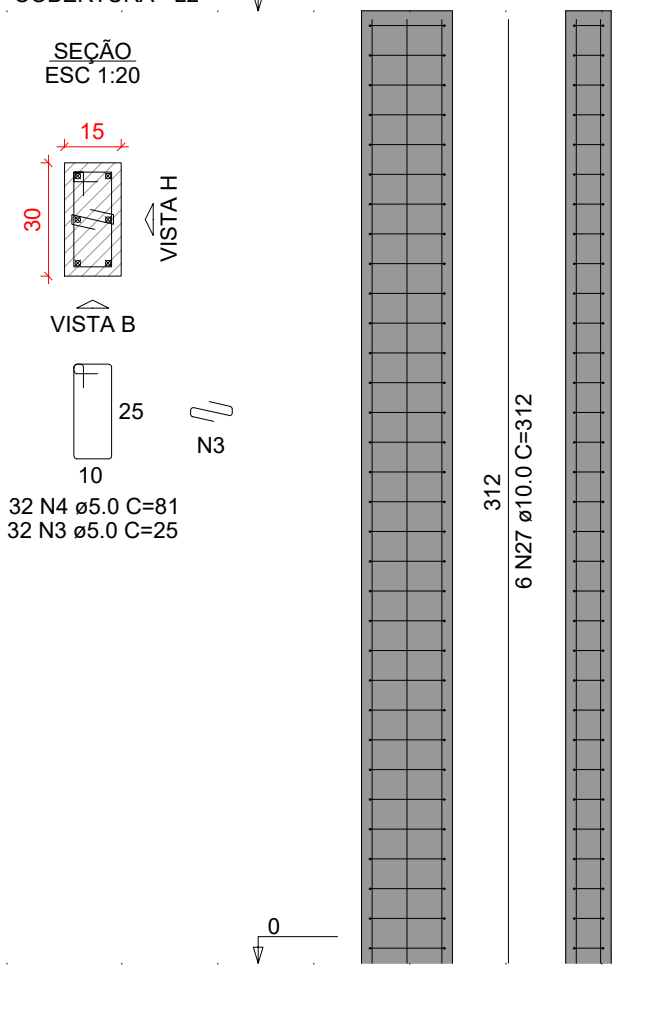
P3=P6=P7=P8=P10



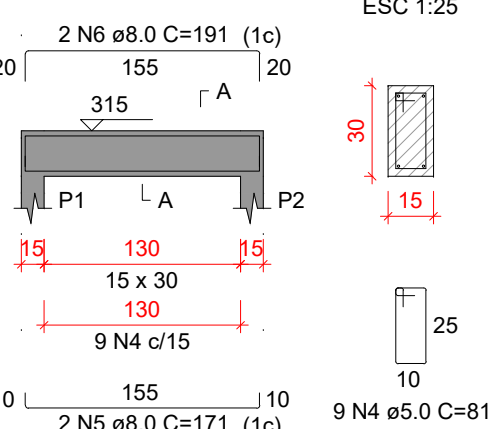
P4=P5=P9=P11=P12=P13



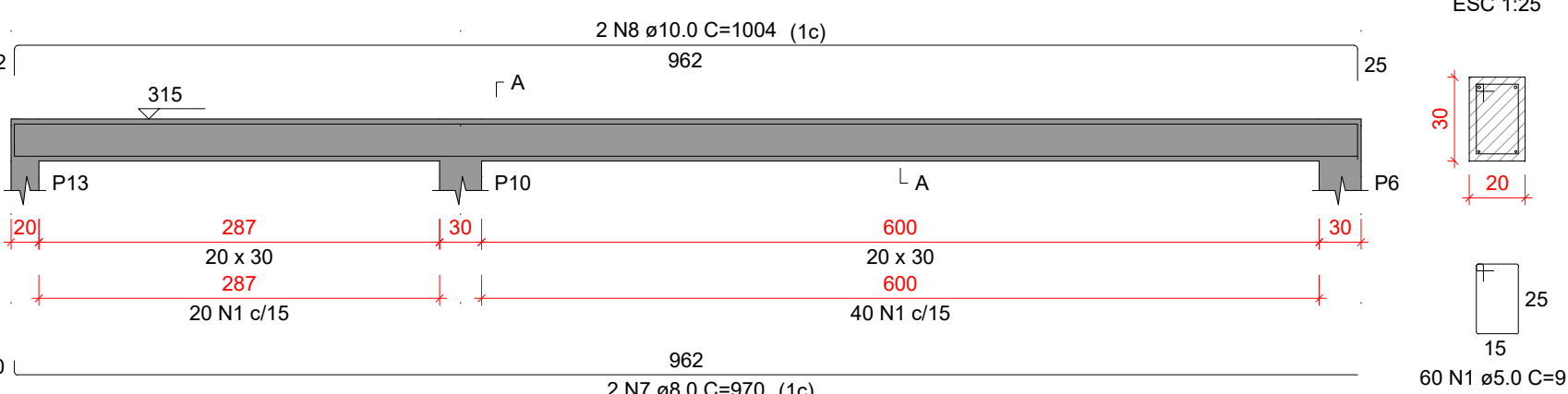
P14=P15



V1



V16



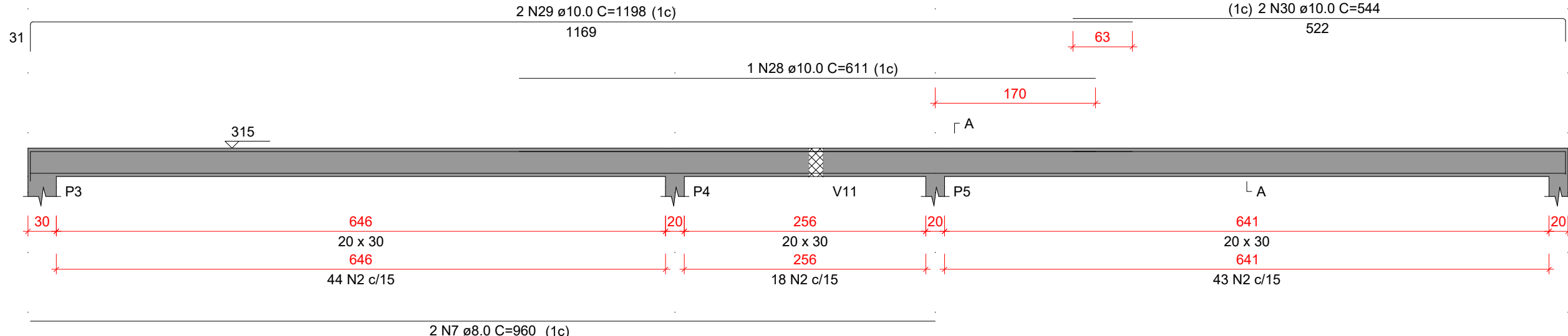
RELAÇÃO DO AÇO					
5xP3	6xP4	2xP14			
V1	V2	V3			
V4	V5	V6			
V7	V8	V9			
V10	V11	V12			
V13	V14	V15			
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	160	30	4800
	2	5.0	744	91	67704
	3	5.0	64	25	1600
	4	5.0	229	81	18549
CA50	5	8.0	2	171	342
	6	8.0	2	191	382
	7	8.0	4	960	3840
	8	8.0	2	669	1338
	9	8.0	2	291	582
	10	8.0	2	327	654
	11	8.0	2	676	1352
	12	8.0	2	372	744
	13	8.0	2	330	660
	14	8.0	2	370	740
	15	8.0	2	655	1310
	16	8.0	2	282	564
	17	8.0	2	338	676
	18	8.0	2	282	564
	19	8.0	2	318	636
	20	8.0	2	397	794
	21	8.0	2	433	866
	22	8.0	2	962	1924
	23	8.0	2	395	790
	24	8.0	2	423	846
	25	8.0	2	322	644
	26	8.0	2	363	726
	27	10.0	66	312	20592
	28	10.0	1	611	611
	29	10.0	4	1198	4792
	30	10.0	2	544	1088
	31	10.0	2	669	1338
	32	10.0	1	145	145
	33	10.0	2	557	1114
	34	10.0	2	715	1430
	35	10.0	2	347	694
	36	10.0	2	704	1408
	37	10.0	2	655	1310
	38	10.0	1	214	214
	39	10.0	2	706	1412
	40	10.0	1	360	360
	41	10.0	2	1010	2020

RESUMO DO AÇO					
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	UNIT	PESO + 10% (kg)
CA50	8.0	209.9	20	12 m	91.1
CA60	5.0	926.5	85	12 m	157.1

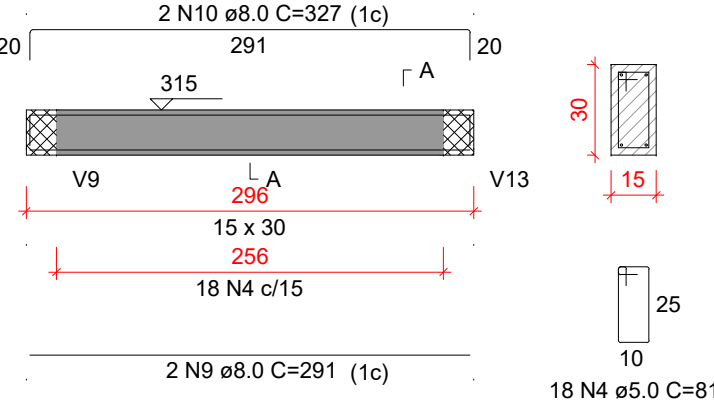
PESO TOTAL (kg)
CA50 352.4
CA60 157.1

Volume de concreto (C-25) = 6.93 m³
Área de forma = 100.95 m²

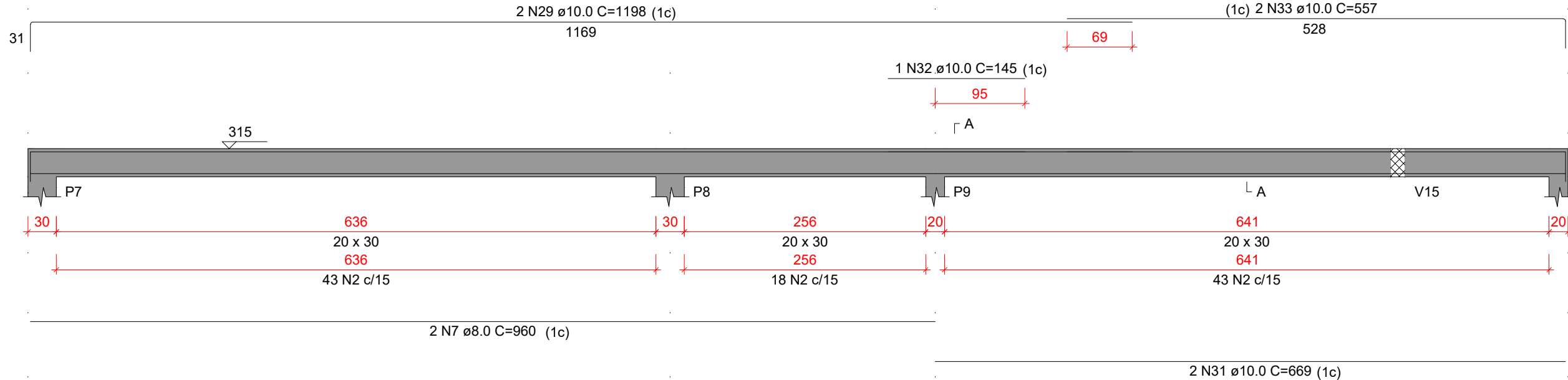
V2



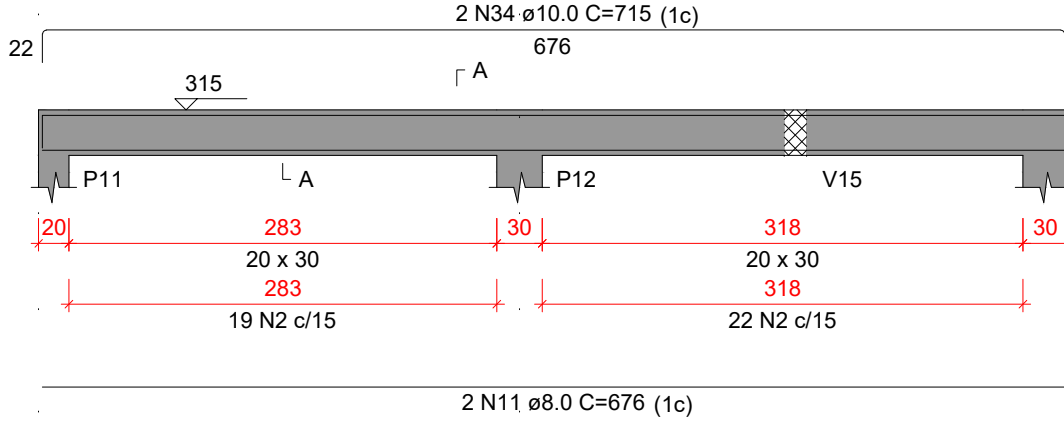
V3



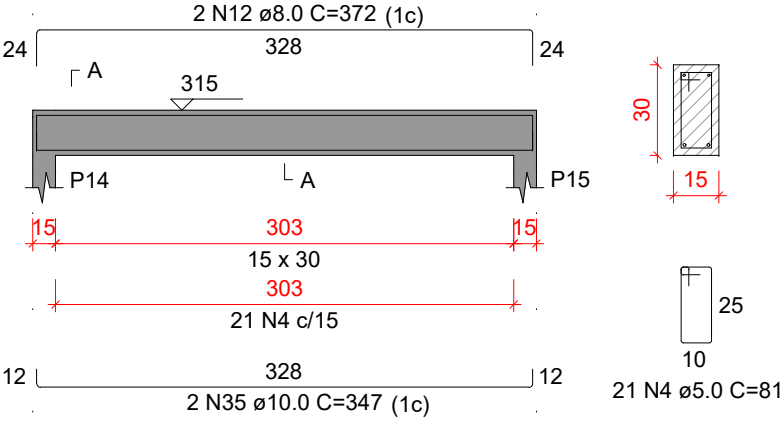
V4



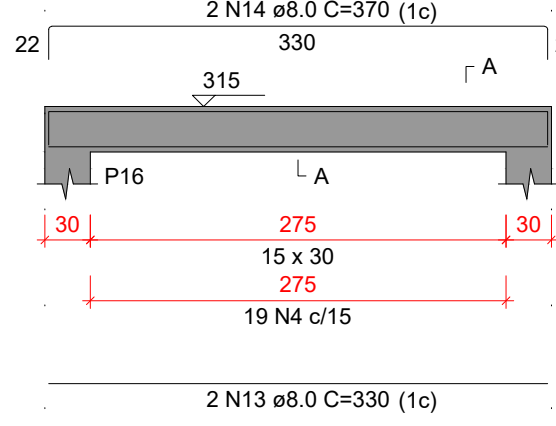
V5



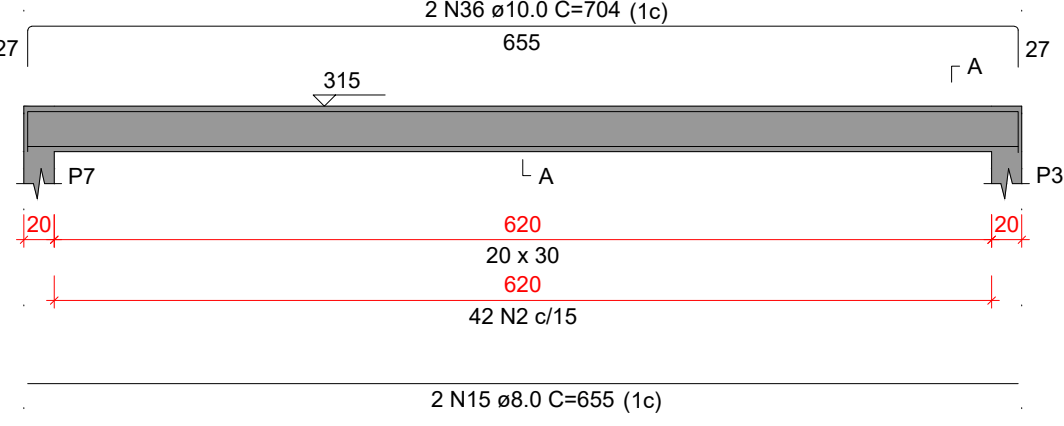
V6



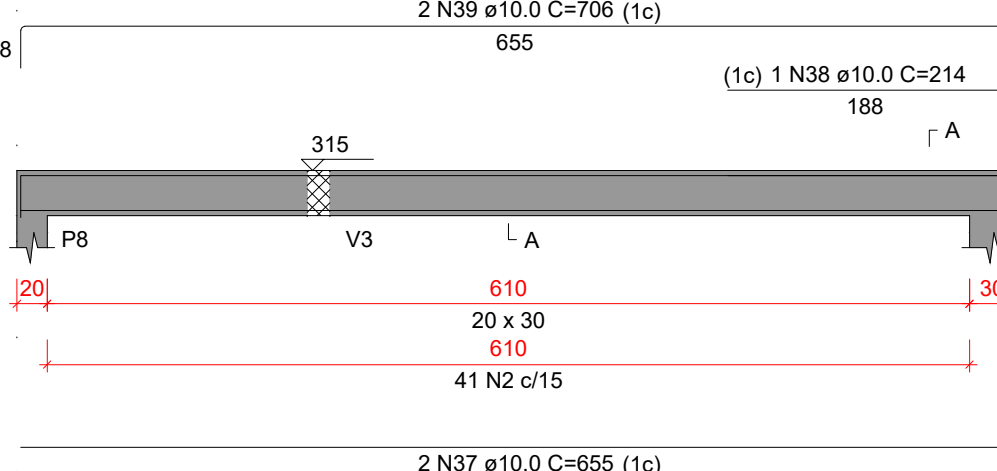
V7



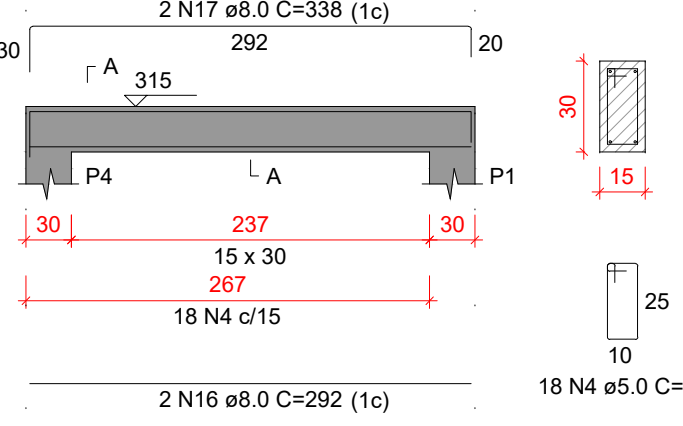
V8



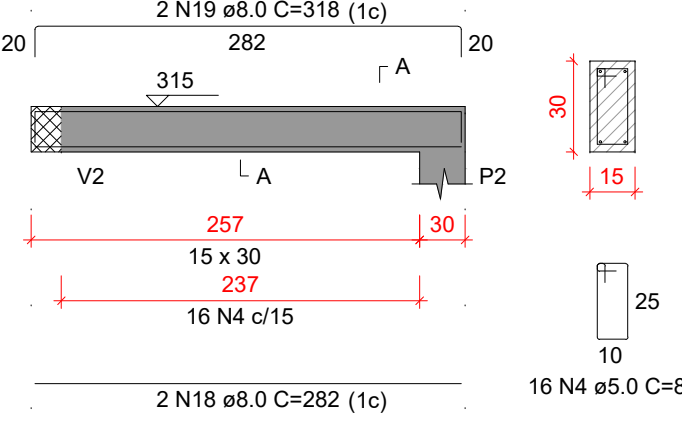
V9



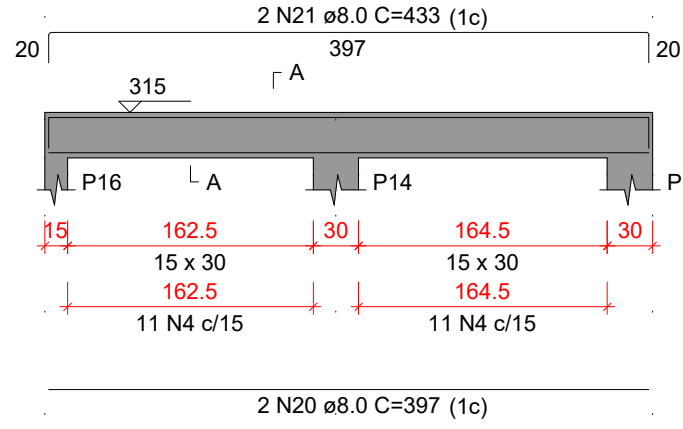
V10



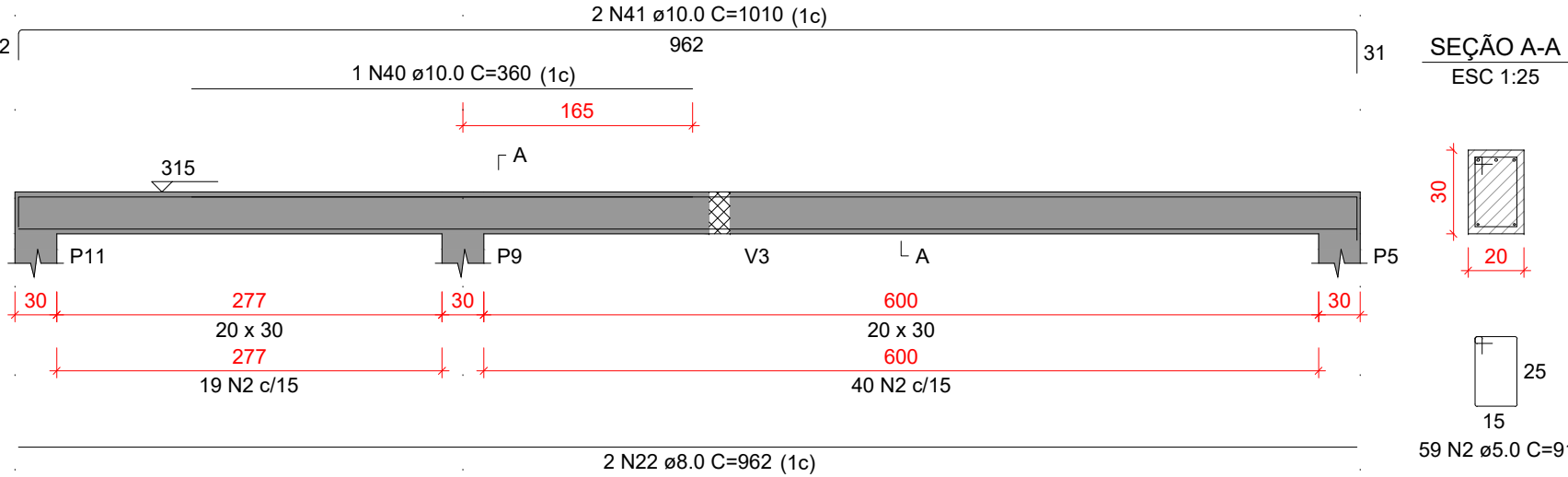
V11



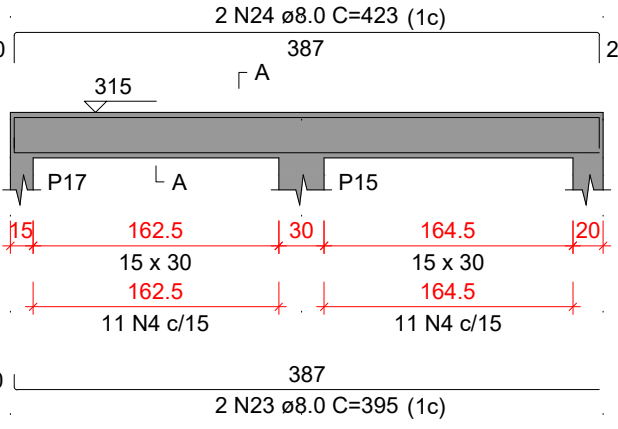
V12



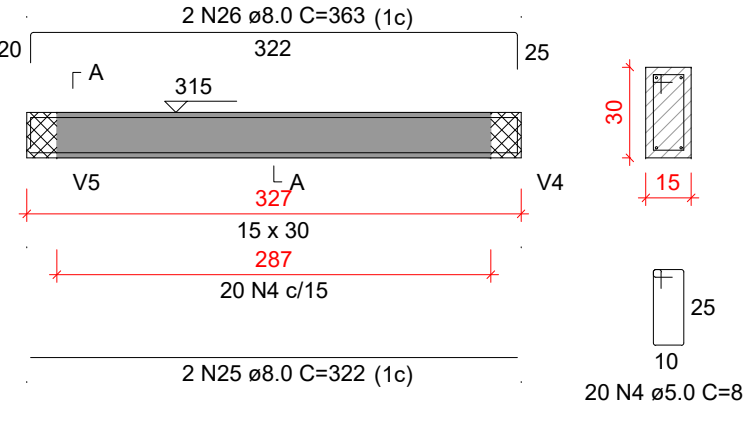
V13



V14



V15



REFORMA DE ESCOLA - PROJETO ESTRUTURAL				
DESCRIÇÃO: PILARES E VIGAS DE CINTAMENTO			 GOV. DO ESTADO DO RIO DE JANEIRO São Romão GOV. DO MUNICÍPIO	
PROPRIETÁRIO: Prefeitura Municipal de São Romão-MG				
ENDEREÇO: COMUNIDADE TRAÇADAL - SÃO ROMÃO-MG			Allan Soares Cardoso Prefeito Municipal	
QUADRO DE ÁREAS:			Augusto César dos Santos Freitas Engenheiro Civil - CREA 348719MG	
Área do Terreno: Taxa de Ocupação: Área Construída: 180,21M² Índice de Aproveitamento:				
DATA INICIAL: setembro/2025			ESCALA: Indicada	
ULT. REVISÃO:			FOLHA: A1	
Nº DE REVISÃO:			PÁGINA: 03/04	