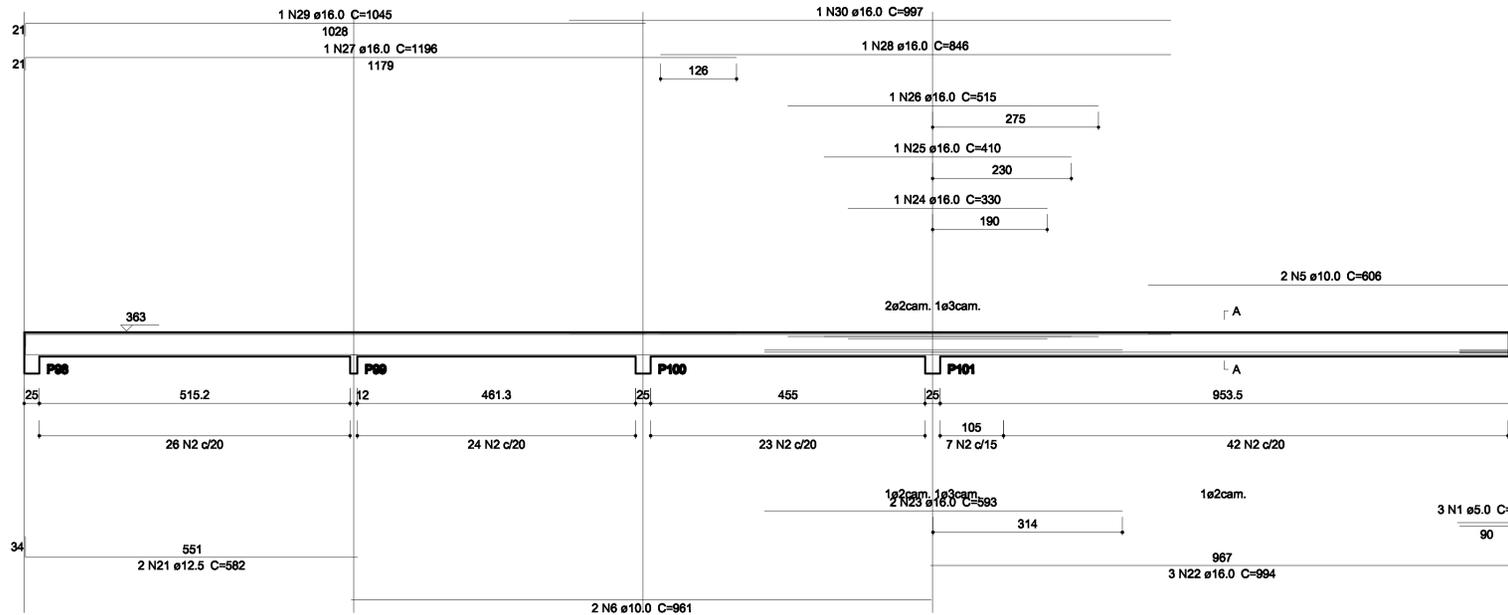
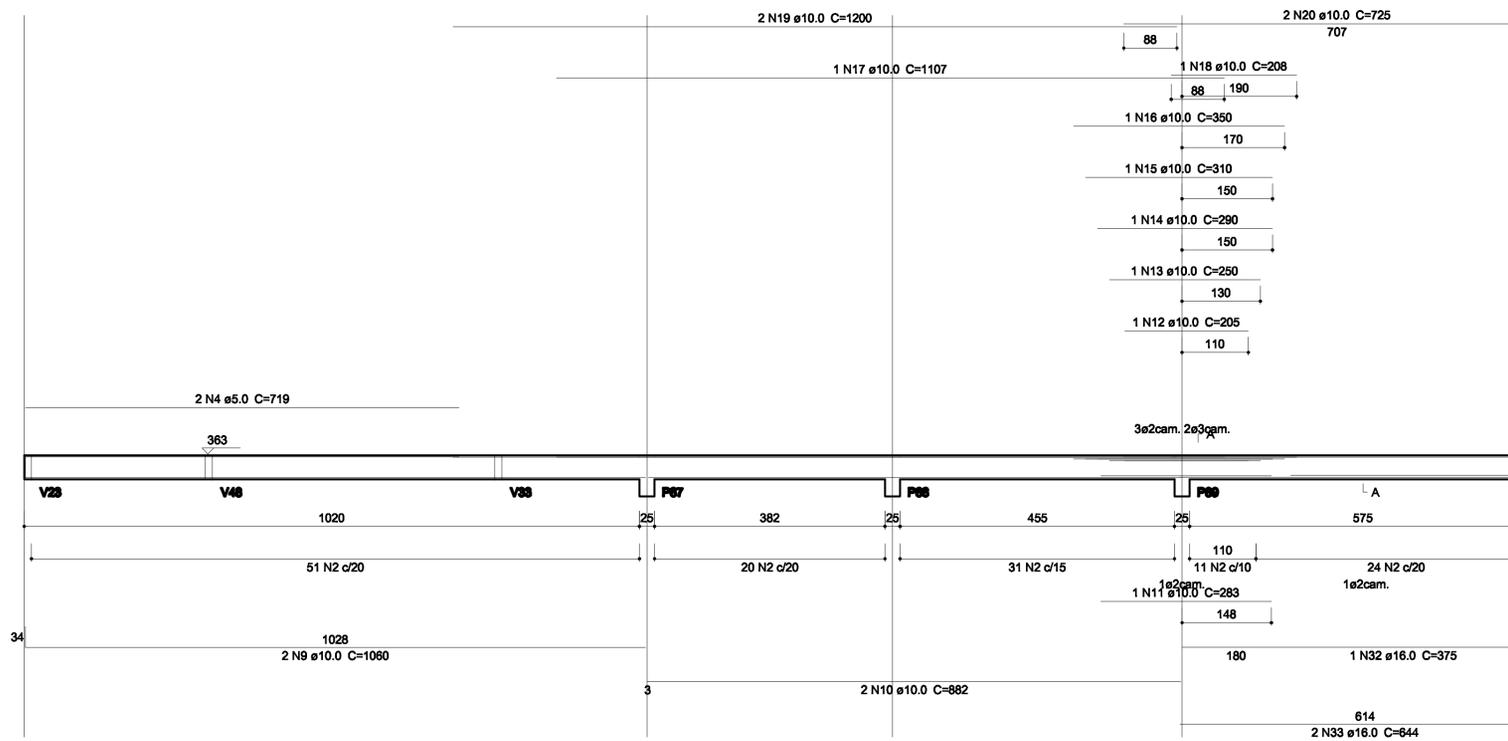


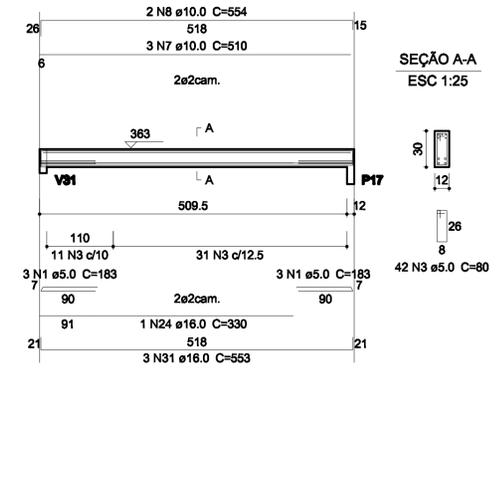
**V46**  
1:50



**V49**  
1:50



**V62**  
1:50



**Relação do aço**

		V46	V49	V62		
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)	
CA60	1	5.0	9	183	1647	
	2	5.0	259	100	25900	
	3	5.0	42	80	3360	
CA50	4	5.0	2	719	1438	
	5	10.0	2	606	1212	
	6	10.0	2	961	1922	
	7	10.0	3	510	1530	
	8	10.0	2	554	1108	
	9	10.0	2	1060	2120	
	10	10.0	2	882	1764	
	11	10.0	1	283	283	
	12	10.0	1	205	205	
	13	10.0	1	250	250	
14	10.0	1	290	290		
15	10.0	1	310	310		
16	10.0	1	350	350		
17	10.0	1	1107	1107		
18	10.0	1	208	208		
19	10.0	2	1200	2400		
20	10.0	2	725	1450		
21	12.5	2	582	1164		
22	16.0	3	994	2982		
23	16.0	2	593	1186		
24	16.0	2	330	660		
25	16.0	1	410	410		
26	16.0	1	515	515		
27	16.0	1	1196	1196		
28	16.0	1	846	846		
29	16.0	1	1045	1045		
30	16.0	1	997	997		
31	16.0	3	553	1659		
32	16.0	1	375	375		
33	16.0	2	644	1288		

**Resumo do aço**

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	10.0	165.1	101.8
	12.5	11.7	11.2
	16.0	131.6	207.7
CA60	5.0	323.5	49.9
<b>PESO TOTAL</b>			
CA50		320.7	
CA60		49.9	

Vol. de concreto total (C-20) = 2,59 m³  
Área de forma total = 49,79 m²

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE SOBRAL  
OBRA/LOCAL: UNIDADE DE PRONTO ATENDIMENTO - UPA

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DESENHO: ARM. DAS VIGAS

PRANCHETA NO. 11

ESCALA: INDICADA  
ARG. (P/RG): EST 01

TOTAL 12

ABRIL/09