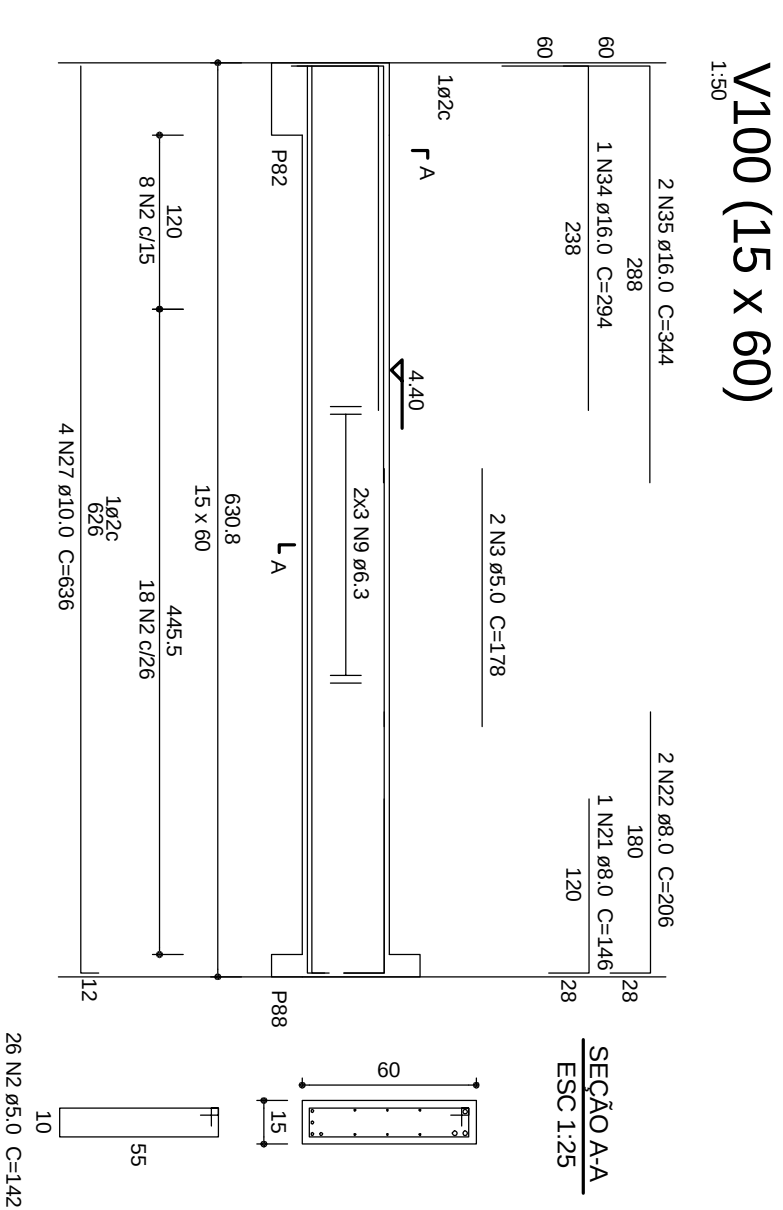
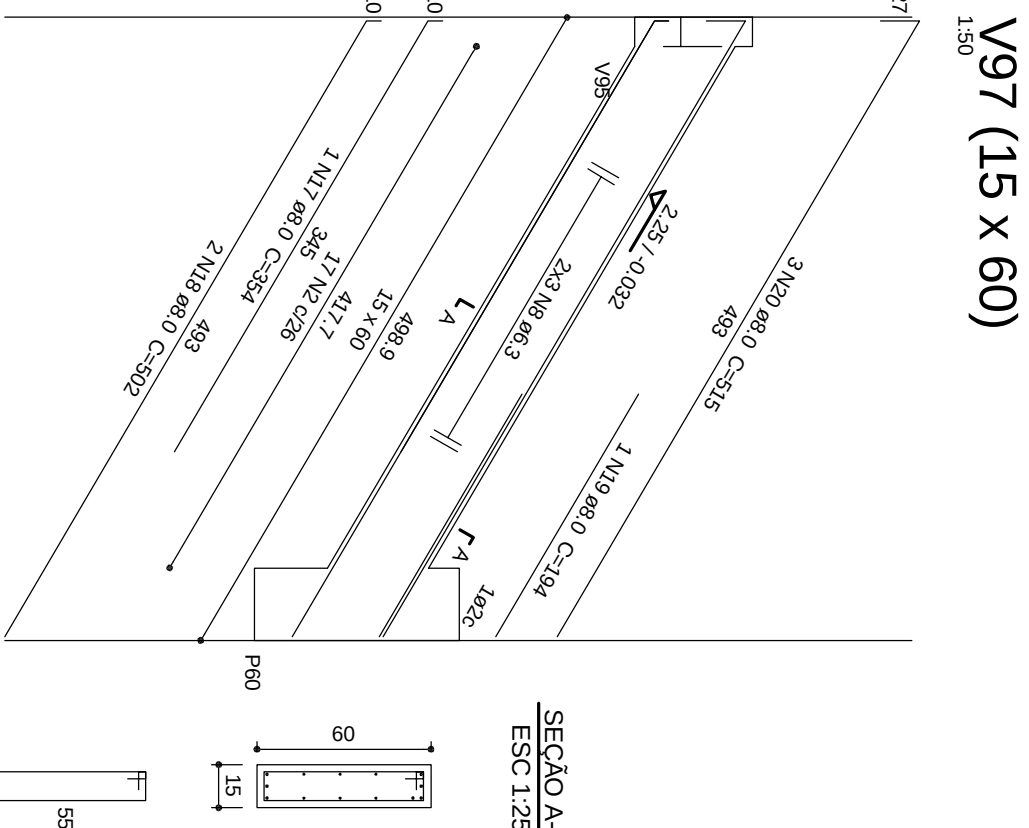
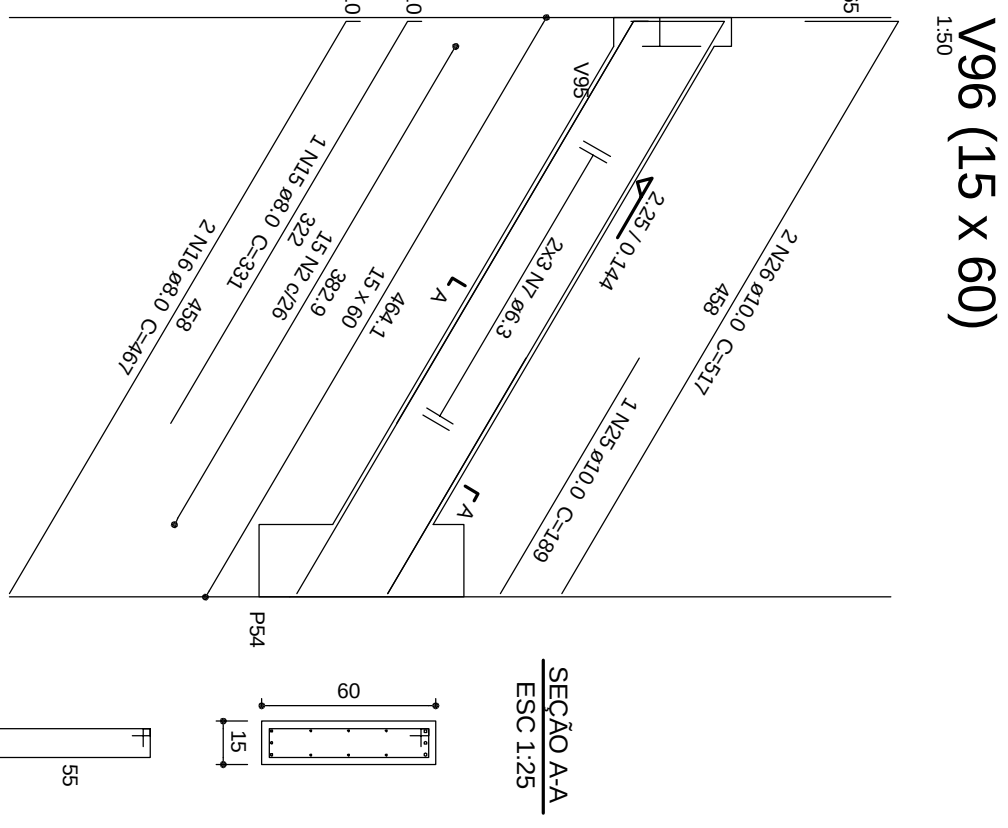
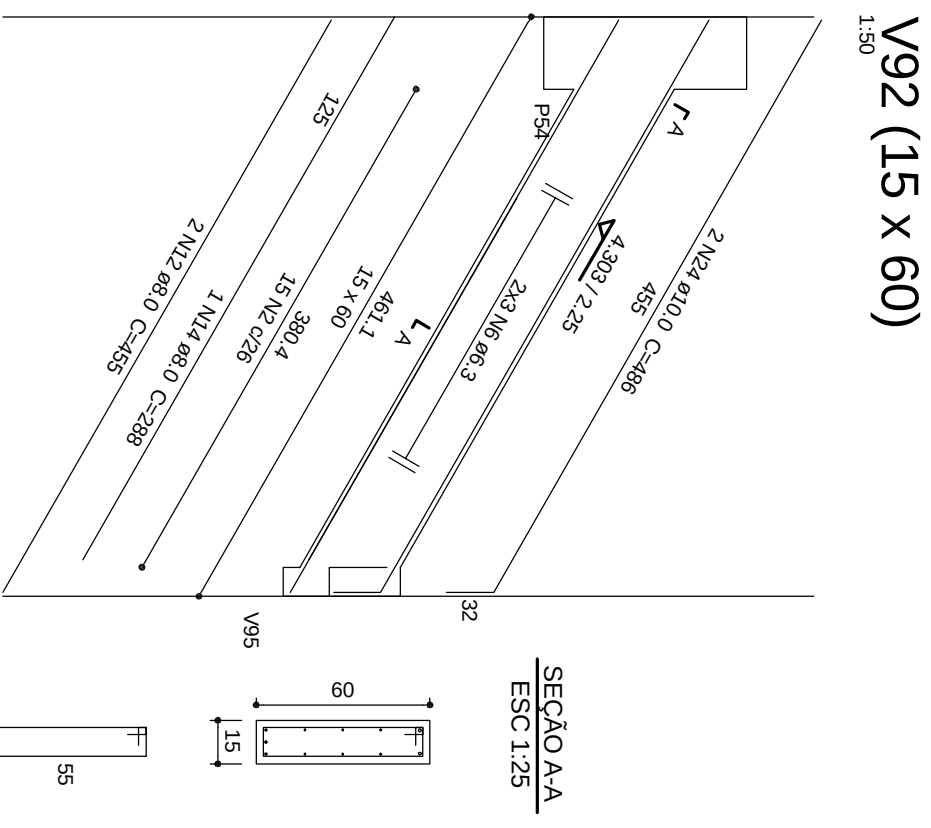
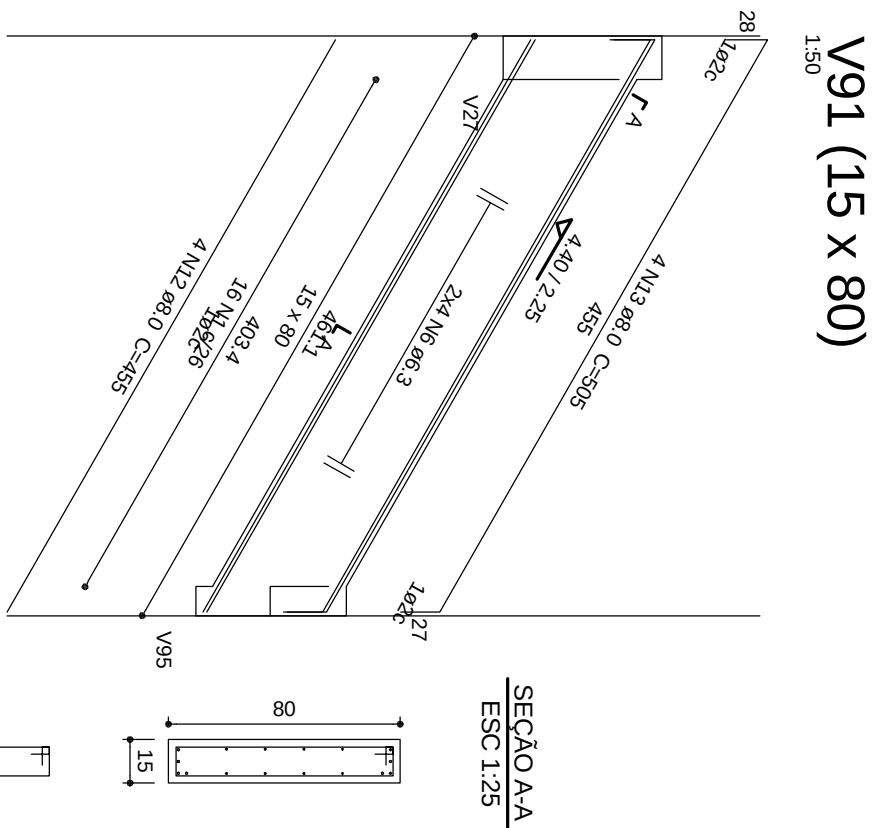
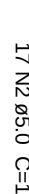
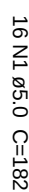


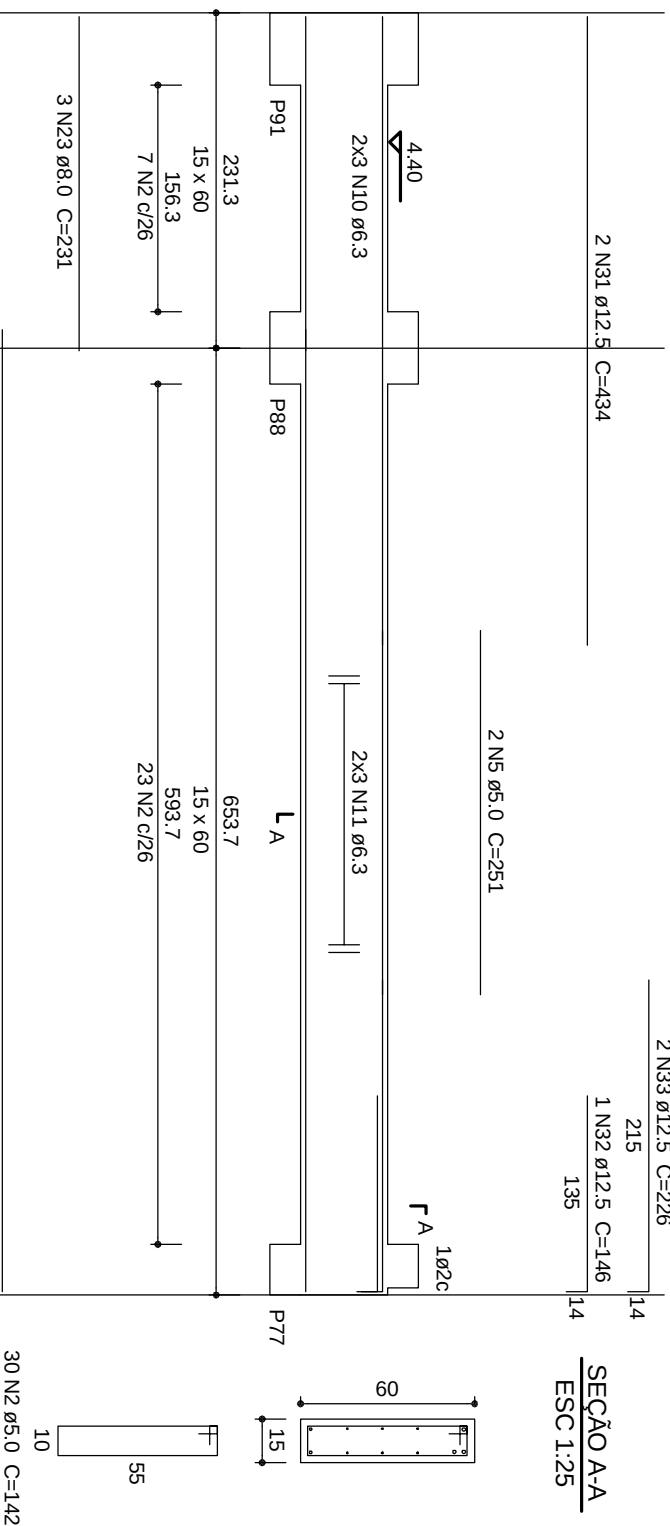
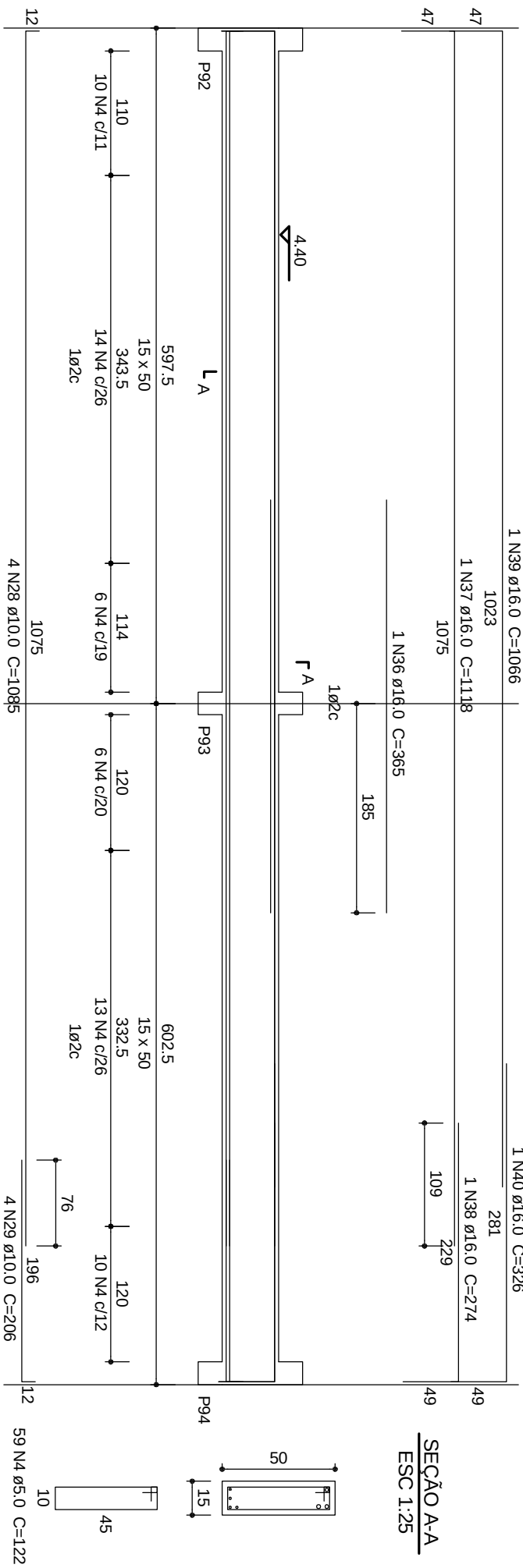
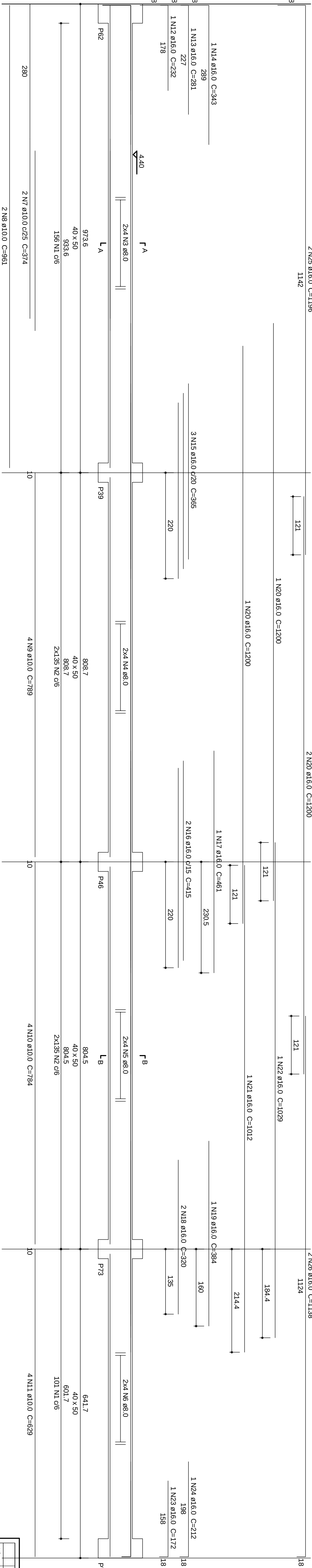


Relatório do Aço									
Vol V102	Vol V92	Vol V90	Vol V95	Vol V93					
AÇO	N	DIAM	Q	UNIT	C.TOTAL				
CM60	1	5,0	103	(cm)	(cm)				
	2	5,0	16	(cm)	14626	14626	14626	14626	14626
	3	5,0	2	178	356	356	356	356	356
	4	5,0	99	122	244	244	244	244	244
	5	6,3	12	CORR	6320	6320	6320	6320	6320
	6	6,3	6	CORR	2748	2748	2748	2748	2748
	7	6,3	6	CORR	2959	2959	2959	2959	2959
	8	6,3	6	CORR	3756	3756	3756	3756	3756
	9	6,3	6	CORR	3156	3156	3156	3156	3156
	10	6,3	6	CORR	4044	4044	4044	4044	4044
	11	6,3	6	CORR	4044	4044	4044	4044	4044
	12	8,0	6	455	2730	2730	2730	2730	2730
	13	8,0	4	595	2020	2020	2020	2020	2020
	14	8,0	1	283	288	288	288	288	288
	15	8,0	1	288	288	288	288	288	288
	16	8,0	2	407	854	854	854	854	854
	17	8,0	1	354	354	354	354	354	354
	18	8,0	2	502	1004	1004	1004	1004	1004
	19	8,0	3	154	462	462	462	462	462
	20	8,0	2	154	308	308	308	308	308
	21	8,0	1	146	146	146	146	146	146
	22	8,0	2	206	412	412	412	412	412
	23	8,0	3	231	693	693	693	693	693
	24	8,0	4	185	740	740	740	740	740
	25	10,0	2	185	370	370	370	370	370
	26	10,0	4	535	2544	2544	2544	2544	2544
	27	10,0	4	638	2544	2544	2544	2544	2544
	28	10,0	4	1695	4340	4340	4340	4340	4340
	29	10,0	2	1695	3390	3390	3390	3390	3390
	30	10,0	2	1695	3390	3390	3390	3390	3390
	31	12,5	2	434	868	868	868	868	868
	32	12,5	1	146	146	146	146	146	146
	33	12,5	2	226	452	452	452	452	452
	34	12,5	2	344	688	688	688	688	688
	35	16,0	1	1118	1118	1118	1118	1118	1118
	36	16,0	1	1118	1118	1118	1118	1118	1118
	37	16,0	1	1118	1118	1118	1118	1118	1118
	38	16,0	1	1724	1724	1724	1724	1724	1724
	39	16,0	1	326	326	326	326	326	326
	40	16,0	1	326	326	326	326	326	326

V101 (15 x 50)



V102 (15 x 60)

V87 (40 x 50)
1:50

	DIAM	C. TOTAL	PESO + 10 %
ACO		(m)	(kg)
CASO	6,3	213,9	57,6
	8,0	106,6	46,2
	10,0	112,4	76,2
	12,5	14,7	15,5
	16,0	41,4	71,7
CASO	5,0	256	43,4
PESO TOTAL			
CASO	267,2		
CASO	43,4		

Vol. de concreto total (C-25) = 4.1 m³
Área de forma total = 61.56 m²

Área de forma total = 61.56 m²

Relação do aço

ACO	N	DAM	Q ₂₀	Q ₅₀	Q ₁₀₀	C.TOTAL
C650	1	5,0	297	172	4404	
C650	2	5,0	594	344	8808	
C650	3	8,0	8	COMR	7912	
C650	4	8,0	8	COMR	6752	
C650	5	8,0	8	COMR	6712	
C650	6	8,0	8	COMR	5748	
C650	7	10,0	2	374	1822	
C650	8	10,0	2	961	1822	
C650	9	10,0	4	789	3156	
C650	10	10,0	4	784	3156	
C650	11	12,0	1	232	232	
C650	12	16,0	1	232	232	
C650	13	16,0	1	281	281	
C650	14	16,0	1	343	343	
C650	15	16,0	2	353	353	
C650	16	16,0	2	415	650	
C650	17	16,0	1	461	461	
C650	18	16,0	2	320	640	
C650	19	16,0	1	384	484	
C650	20	16,0	1	1360	484	
C650	21	16,0	1	1012	1012	
C650	22	16,0	1	1029	1029	
C650	23	16,0	1	172	172	
C650	24	16,0	1	172	172	
C650	25	16,0	2	1196	2392	
C650	26	16,0	2	1138	2276	

ACO	DAM	C.TOTAL	PESO + 10 %
C650	9,0	963,4	1115,6
C650	10,0	1016	177,8
C650	16,0	161,6	280,5
C650	5,0	124,3	210,4
PESO TOTAL			
C650	474		
C650	210,4		

Vol de concreto total (C-25) = 6,46 m³
Área de forma total = 45,2 m²

Resumo do aço

	DIAM	C TOTAL (mm)	PESO + 10 % (kg)
CA50	8.0	286.4	115.6
	10.0	114.8	77.8
	16.0	161.6	280.5
CA60	5.0	124.3	210.4
PESO TOTAL			
CA50	474		
CA60	210.4		

Vol. de concreto total (C-25) = 6.46 m³
Área de forma total = 45.2 m²

Área de forma total = 45.2 m²

V100 (15 x 60)
1:50[illegible]