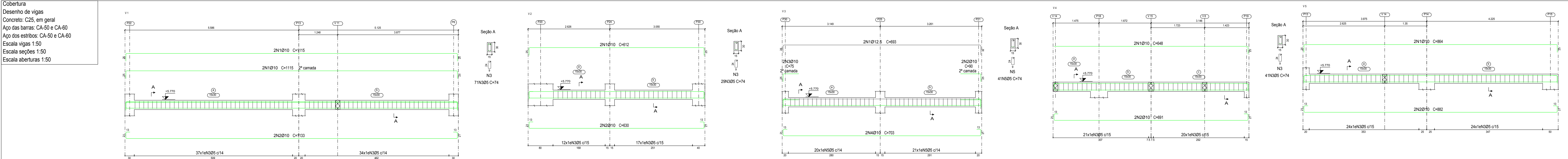
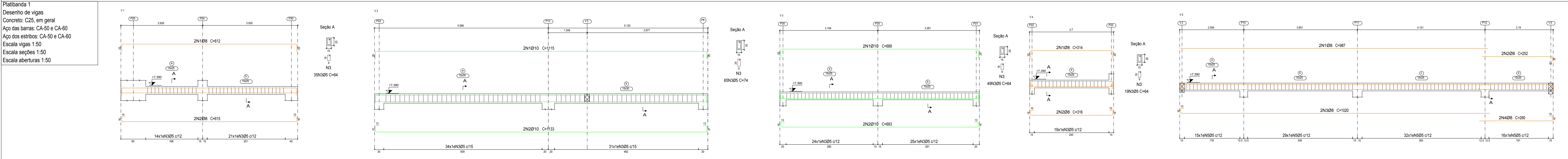


Cobertura
Desenho de vigas
Concreto: C25, em geral
Aço das barras: CA-50 e CA-60
Apo dos estribos: CA-50 e CA-60
Escala vigas 1:50
Escala seções 1:50
Escala aberturas 1:50

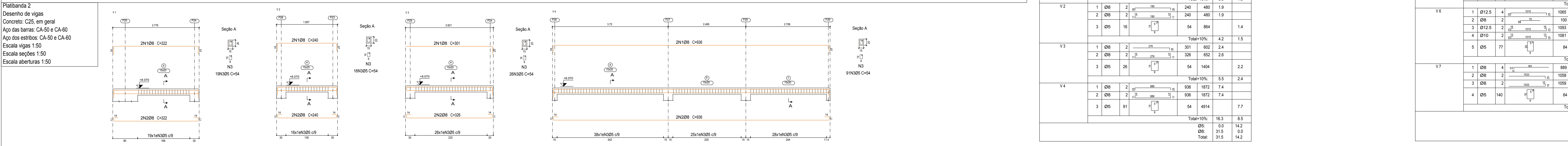


Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V1	1	Ø10	4		1115	4460	27.5	
	2	Ø10	2		1133	3266	14.0	
	3	Ø5	71					8.2
Total+10%							45.7	9.0
V2	1	Ø10	2		612	1224	7.5	
	2	Ø10	2		630	1260	7.8	
	3	Ø5	29					3.4
Total+10%							16.6	3.7
V3	1	Ø12.5	2		693	1386	13.3	
	2	Ø10	2		160	320	1.1	
	3	Ø10	2		75	150	0.9	
	4	Ø10	2		703	1406	8.7	
	5	Ø5	41					4.8
Total+10%							26.4	5.3
V4	1	Ø10	2		648	1296	8.0	
	2	Ø10	2		691	1382	8.5	
	3	Ø5	41					4.8
Total+10%							16.2	5.3
V5	1	Ø10	2		864	1728	10.6	
	2	Ø10	2		862	1764	10.9	
	3	Ø5	48					5.6
Total+10%							23.7	6.2
V6	1	Ø10	2		657	1314	8.1	
	2	Ø10	2		691	1382	8.5	
	3	Ø5	40					4.6
Total+10%							16.3	5.1
V7	1	Ø10	2		162	324	2.4	
	2	Ø10	2		194	388	2.4	
	3	Ø5	8					0.9
Total+10%							5.3	1.0
V8	1	Ø10	2		126	252	1.6	
	2	Ø10	2		194	388	2.4	
	3	Ø5	7					0.8
Total+10%							4.4	0.9
V9	1	Ø10	2		398	796	4.9	
	2	Ø10	2		431	862	5.3	
	3	Ø5	22					2.6
Total+10%							11.2	2.9
V10	1	Ø10	2		446	892	5.5	
	2	Ø10	1		140	280	0.9	
	3	Ø10	2		462	924	6.1	
	4	Ø5	25					3.2
Total+10%							13.8	2.9
V11	1	Ø10	2		867	1734	12.2	
	2	Ø10	4		270	540	6.7	
	3	Ø10	2		1030	2060	12.7	
	4	Ø5	74					8.6
Total+10%							34.6	9.5
V12	1	Ø10	2		144	288	1.8	
	2	Ø10	2		211	422	2.6	
	3	Ø5	8					0.9
Total+10%							4.8	1.0
V13	1	Ø10	2		314	628	3.9	
	2	Ø10	2		332	664	4.1	
	3	Ø5	15					1.7
Total+10%							8.8	1.9
V14	1	Ø10	2		809	1618	11.2	
	2	Ø10	2		918	1836	11.3	
	3	Ø5	55					6.4
Total+10%							24.8	7.0
V15	1	Ø10	2		330	660	4.1	
	2	Ø10	2		398	796	4.9	
	3	Ø5	22					2.6
Total+10%							9.9	2.9
V16	1	Ø10	2		536	1072	8.2	
	2	Ø10	2		523	1046	6.4	
	3	Ø5	28					3.3
Total+10%							15.9	3.6
V17	1	Ø10	2		59	118	0.7	
	2	Ø10	2		126	252	1.8	
	3	Ø5	3					0.3
Total+10%							2.8	0.3
V18	1	Ø10	2		328	656	4.0	
	2	Ø10	2		344	688	4.2	
	3	Ø5	16					1.9
Total+10%							9.9	2.1
V19	1	Ø10	2		159	318	2.0	
	2	Ø10	2		202	404	2.5	
	3	Ø5	9					1.0
Total+10%							5.0	1.1
Ø5: 0.0 72.0								
Ø10: 267.0 0.0								
Ø12.5: 14.6 0.0								
Total: 287.3 72.0								

Platibanda 1
Desenho de vigas
Concreto: C25, em geral
Aço das barras: CA-50 e CA-60
Apo dos estribos: CA-50 e CA-60
Escala vigas 1:50
Escala seções 1:50
Escala aberturas 1:50



Platibanda 2
Desenho de vigas
Concreto: C25, em geral
Aço das barras: CA-50 e CA-60
Apo dos estribos: CA-50 e CA-60
Escala vigas 1:50
Escala seções 1:50
Escala aberturas 1:50



Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V1	1	Ø8	2		322	644	2.5	
	2	Ø8	2		322	644	2.5	
	3	Ø5	19					1.6
Total+10%							5.5	1.8
V2	1	Ø12.5	4		240	480	1.9	
	2	Ø8	2		240	480	1.9	
	3	Ø5	16					1.4
Total+10%							4.2	1.5
V3	1	Ø8	2		301	602	2.4	
	2	Ø8	2		328	656	2.6	
	3	Ø5	26					2.2
Total+10%							5.5	2.4
V4	1	Ø8	2		536	1072	7.4	
	2	Ø8	2		536	1072	7.4	
	3	Ø5	91					7.7
Total+10%							16.3	8.5
Ø8: 0.0 14.2								
Ø5: 31.5 0.0								
Total: 31.5 14.2								

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)	
V1	1	Ø8	2		612	1224	4.8		
	2	Ø8	2		615	1230	4.9		
	3	Ø5	35					3.5	
Total+10%							9.7	3.9	
V2	1	Ø10	2		1115	2230	13.7		
	2	Ø10	2		1133	2266	14.0		
	3	Ø5	65					7.6	
Total+10%							35.8	8.4	
V3	1	Ø10	2		669	1338	8.5		
	2	Ø10	2		693	1386	8.5		
	3	Ø5	49					4.9	
Total+10%							18.7	5.4	
V4	1	Ø8	2		314	628	2.5		
	2	Ø8	2		316	632	2.5		
	3	Ø5	19					1.9	
Total+10%							5.5	2.1	
V5	1	Ø8	2		867	1734	7.8		
	2	Ø8	2		252	504	2.0		
	3	Ø8	2		100	2040	8.1		
Total+10%							50.9	2.1	
V6	4	Ø8	2		290	580	2.1		
	5	Ø5	90					9.2	
	Total+10%							22.0	10.1
V6	1	Ø12.5	4		1065	4260	41.0		
	2	Ø8	2		100	200	0.8		
	3	Ø12.5	2		1000	2100	21.1		
Total+10%							62.9	11.3	
V6	4	Ø10	2		1061	2162	13.3		
	5	Ø5	77					10.2	
	Total+10%							33.8	11.2
V7	1	Ø8	4		889	3556	34.0		
	2	Ø8	2		1008	2116	8.4		
	3	Ø8	2		1009	2118	8.4		
Total+10%							50.8	14.1	
V7	4	Ø5	140					14.1	
	Total+10%							33.9	15.5
	Total							205.1	56.6