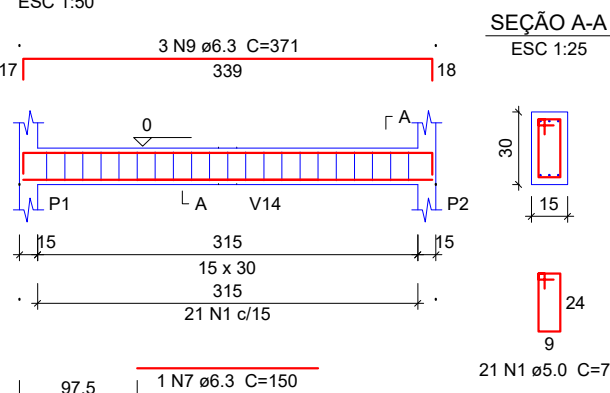
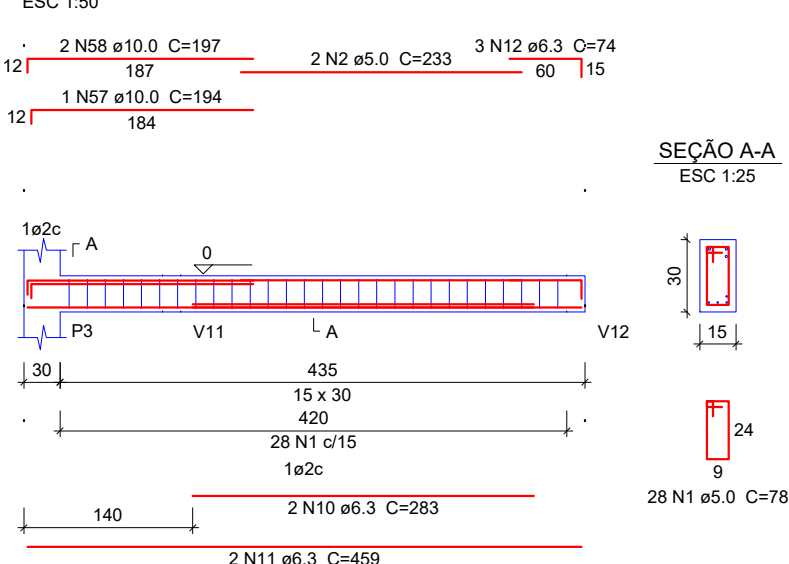


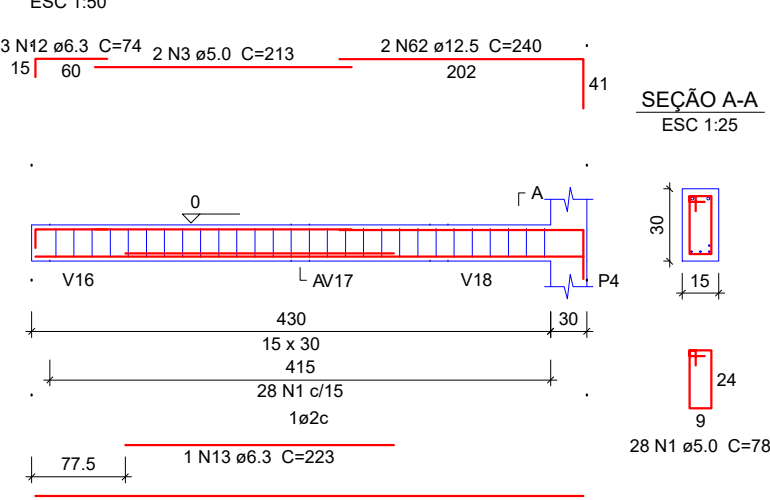
V1 (15 x 30)



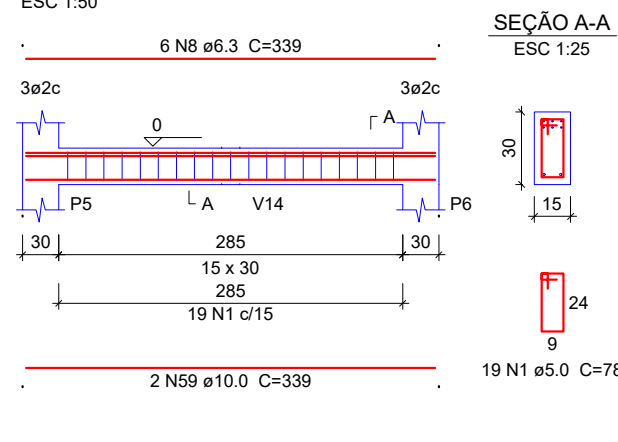
V2 (15 x 30)



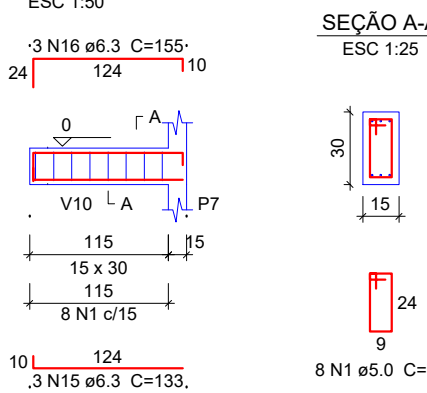
V3 (15 x 30)



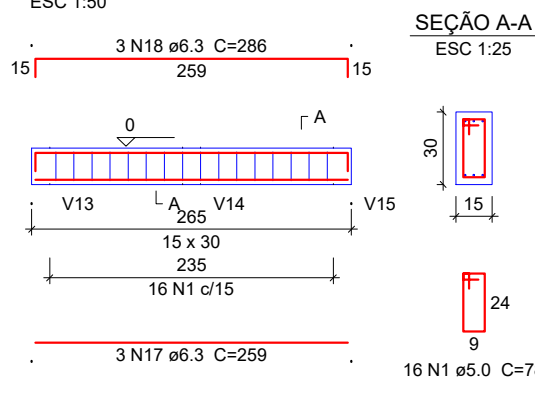
V4 (15 x 30)



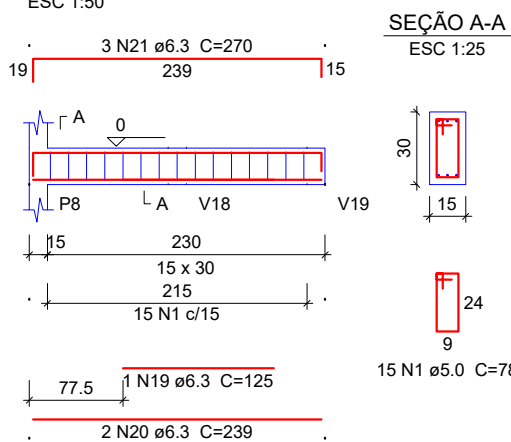
V5 (15 x 30)



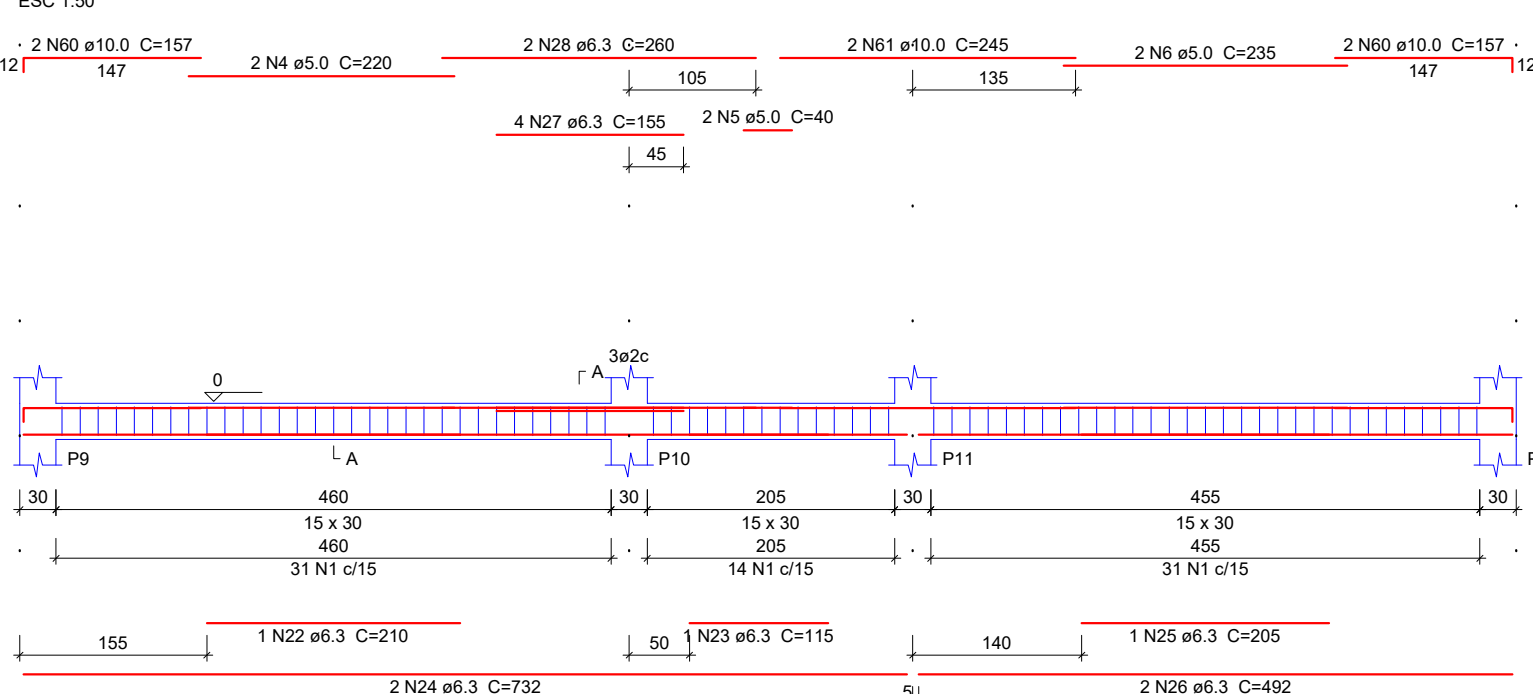
V6 (15 x 30)



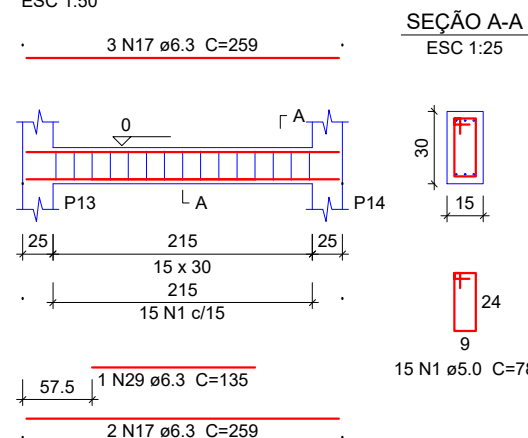
V7 (15 x 30)



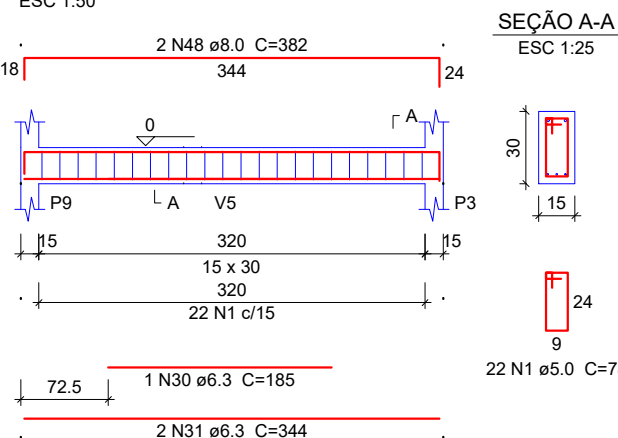
V8 (15 x 30)



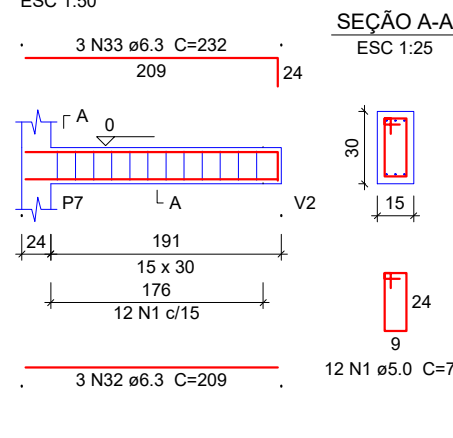
V9 (15 x 30)



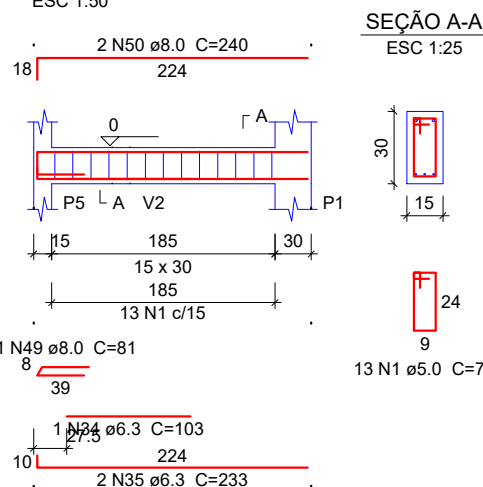
V10 (15 x 30)



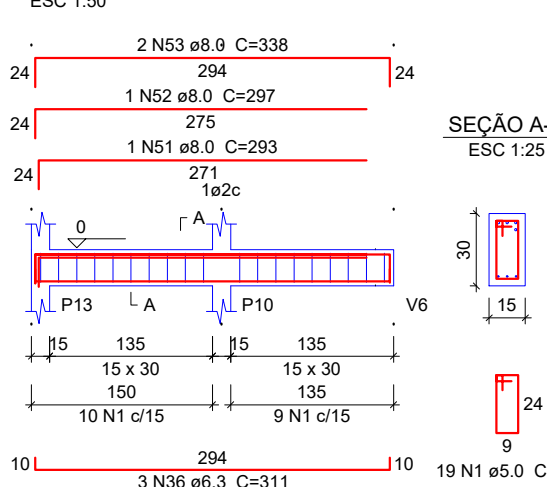
V11 (15 x 30)



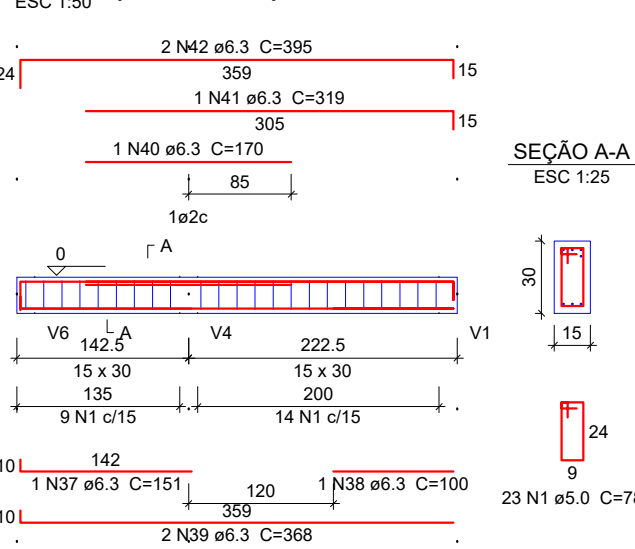
V12 (15 x 30)



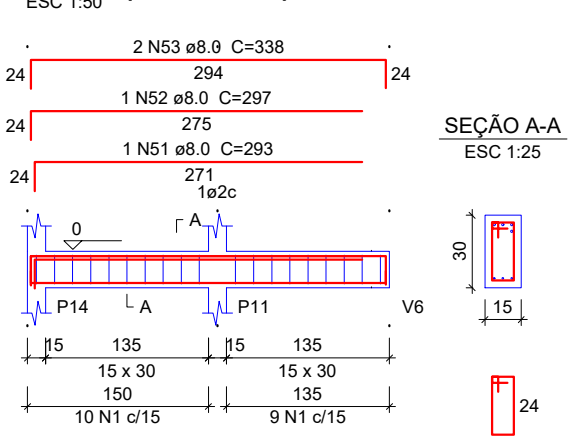
V13 (15 x 30)



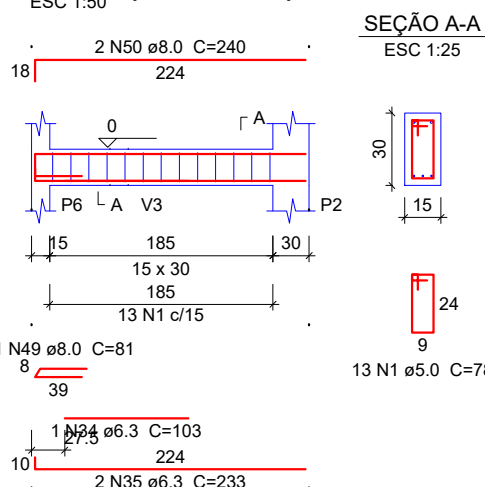
V14 (15 x 30)



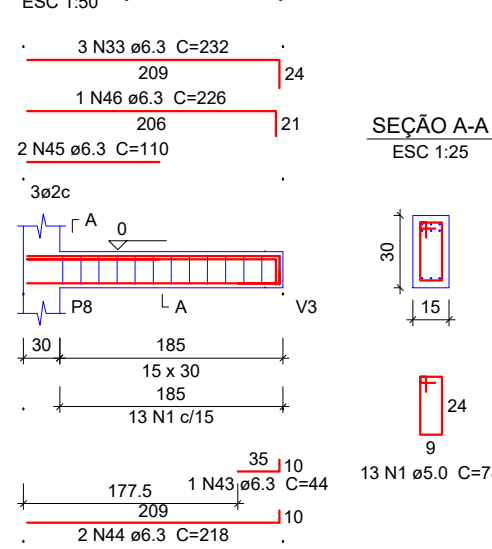
V15 (15 x 30)



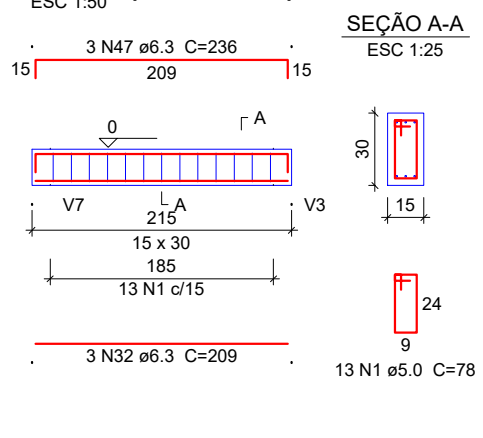
V16 (15 x 30)



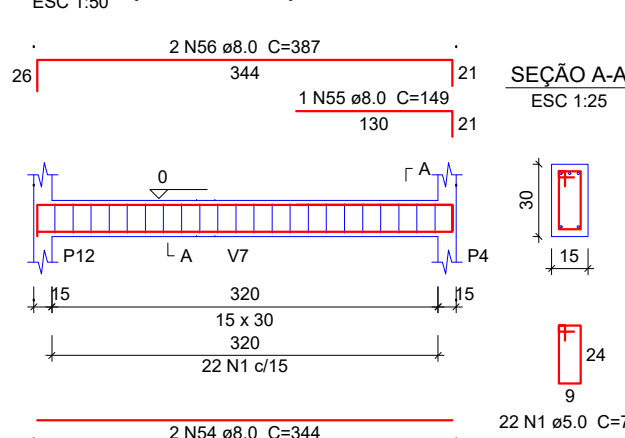
V17 (15 x 30)



V18 (15 x 30)



V19 (15 x 30)



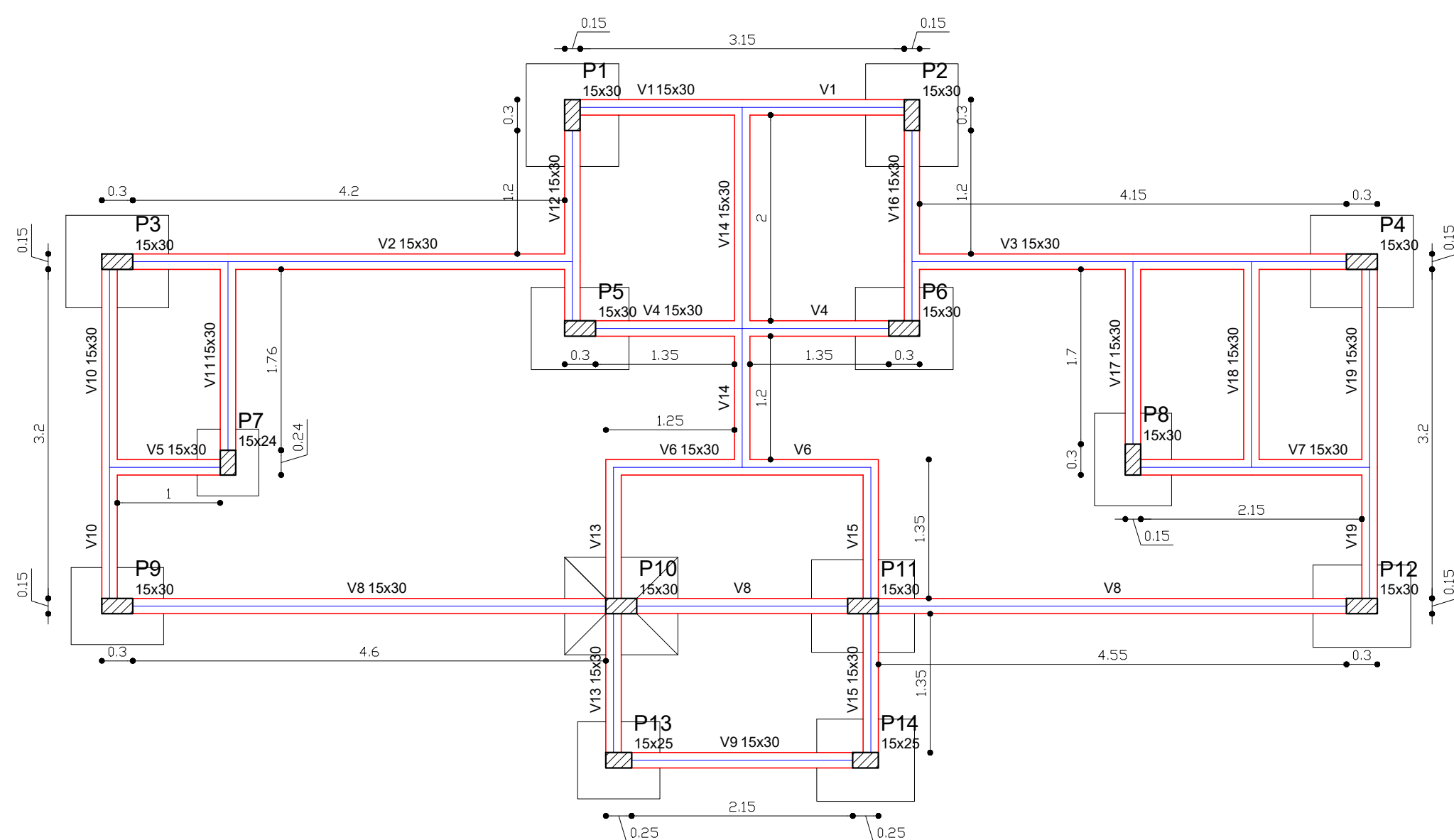
Relação do aço

ACO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	305	78	30810
	2	5.0	2	233	466
	3	5.0	2	213	426
	4	5.0	2	220	440
	5	5.0	2	40	80
	6	5.0	2	235	470
CA50	7	6.3	1	150	150
	8	6.3	8	339	2712
	9	6.3	3	371	1113
	10	6.3	2	283	566
	11	6.3	2	459	918
	12	6.3	6	74	444
	13	6.3	1	223	223
	14	6.3	3	454	1362
	15	6.3	3	133	399
	16	6.3	3	155	465
	17	6.3	8	259	2072
	18	6.3	3	286	858
	19	6.3	1	125	125
	20	6.3	2	239	478
	21	6.3	3	270	810
	22	6.3	1	210	210
	23	6.3	1	115	115
	24	6.3	2	732	1464
	25	6.3	1	205	205
	26	6.3	2	492	984
	27	6.3	4	155	620
	28	6.3	2	280	560
	29	6.3	1	135	135
	30	6.3	1	185	185
	31	6.3	2	344	688
	32	6.3	6	209	1254
	33	6.3	6	232	1392
	34	6.3	2	103	206
	35	6.3	4	233	932
	36	6.3	6	311	1866
	37	6.3	1	151	151
	38	6.3	1	100	100
	39	6.3	2	368	736
	40	6.3	1	170	170
	41	6.3	1	319	319
	42	6.3	2	395	790
	43	6.3	1	44	44
	44	6.3	2	218	436
	45	6.3	2	110	220
	46	6.3	1	228	228
	47	6.3	3	236	708
	48	8.0	2	382	764
	49	8.0	2	61	162
	50	8.0	4	240	960
	51	8.0	2	293	586
	52	8.0	2	297	594
	53	8.0	4	338	1352
	54	8.0	2	344	688
	55	8.0	1	149	149
	56	8.0	2	387	774
	57	10.0	1	194	194
	58	10.0	2	197	394
	59	10.0	2	339	678
	60	10.0	4	157	628
	61	10.0	2	245	490
	62	12.5	2	240	480

Resumo do aço

ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)	BARRAS (un)
CA50	6.3	273.8	73.7	23
	8.0	60.3	26.2	5
	10.0	23.9	16.2	2
	12.5	4.8	6.1	0
CA60	5.0	327	55.4	27
PESO TOTAL (kg)				
CA50	121.1			
CA60	55.4			

Volume de concreto (C-30) = 2.94 m³  
Área de forma = 48.96 m²



Forma do pavimento Baldrame

escala 1:50

Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	15x30	0	0
V2	15x30	0	0
V3	15x30	0	0
V4	15x30	0	0
V5	15x30	0	0
V6	15x30	0	0
V7	15x30	0	0
V8	15x30	0	0
V9	15x30	0	0
V10	15x30	0	0
V11	15x30	0	0
V12	15x30	0	0
V13	15x30	0	0
V14	15x30	0	0
V15	15x30	0	0
V16	15x30	0	0
V17	15x30	0	0
V18	15x30	0	0
V19	15x30	0	0

Características dos materiais	
fck (kgf/cm²)	Ecs (kgf/cm²)
300	2607/16

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	15 x 30	0	0
P2	15 x 30	0	0
P3	15 x 30	0	0
P4	15 x 30	0	0
P5	15 x 30	0	0
P6	15 x 30	0	0
P7	15 x 24	0	0
P8	15 x 30	0	0
P9	15 x 30	0	0
P10	15 x 30	0	0
P11	15 x 30	0	0
P12	15 x 30	0	0
P13	15 x 25	0	0
P14	15 x 25	0	0

Legenda dos Pilares	
	Pilar que morre
	Pilar que passa
	Pilar que nasce
	Pilar com mudança de seção