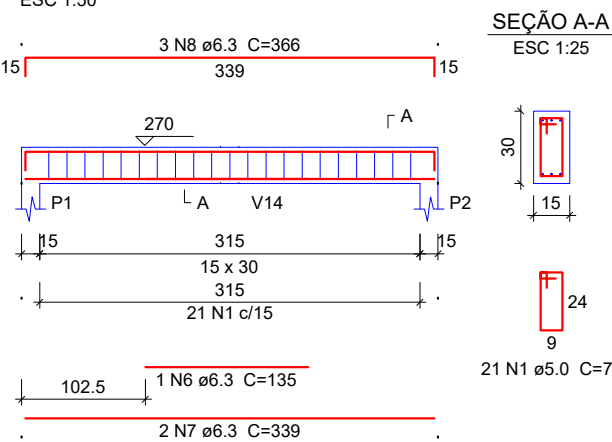
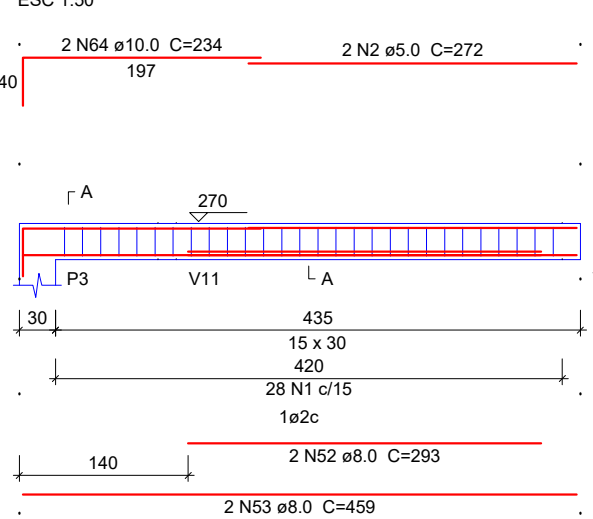


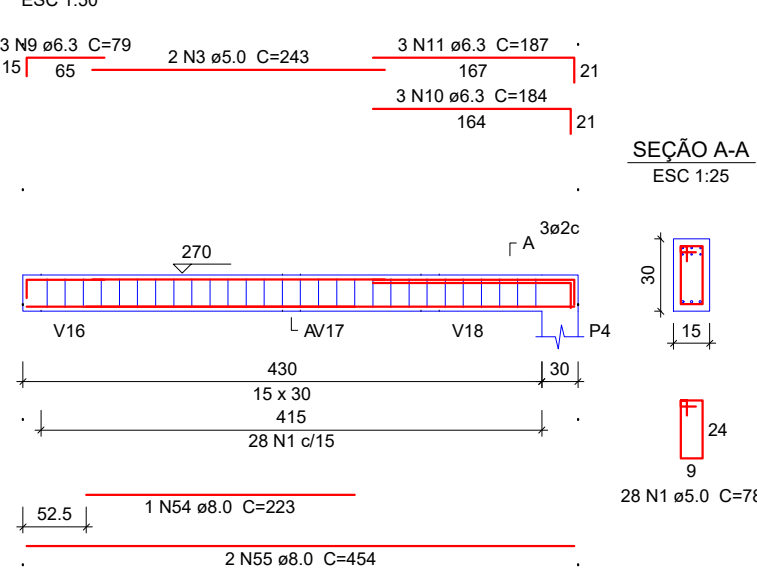
V1 (15 x 30)



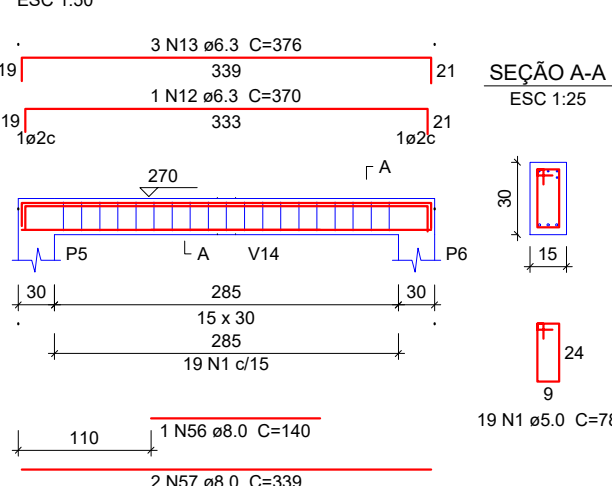
V2 (15 x 30)



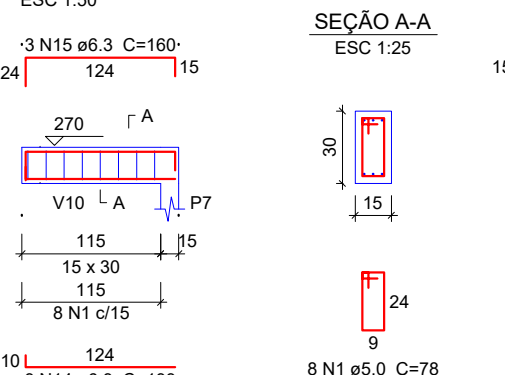
V3 (15 x 30)



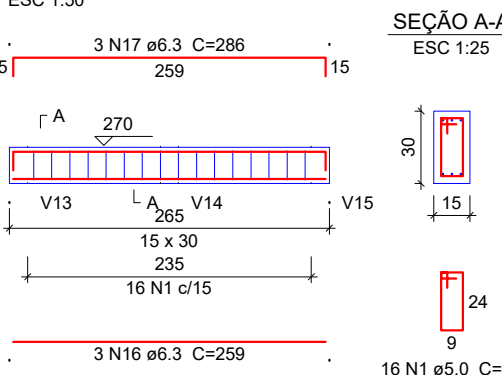
V4 (15 x 30)



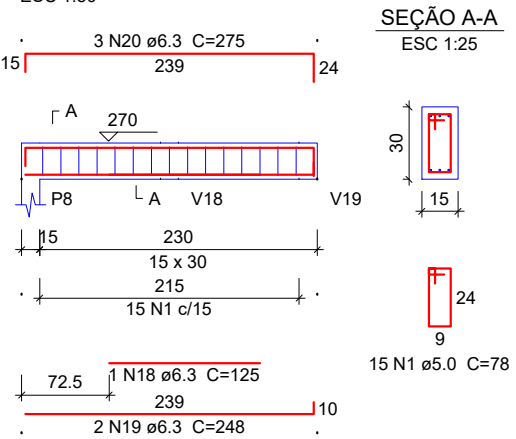
V5 (15 x 30)



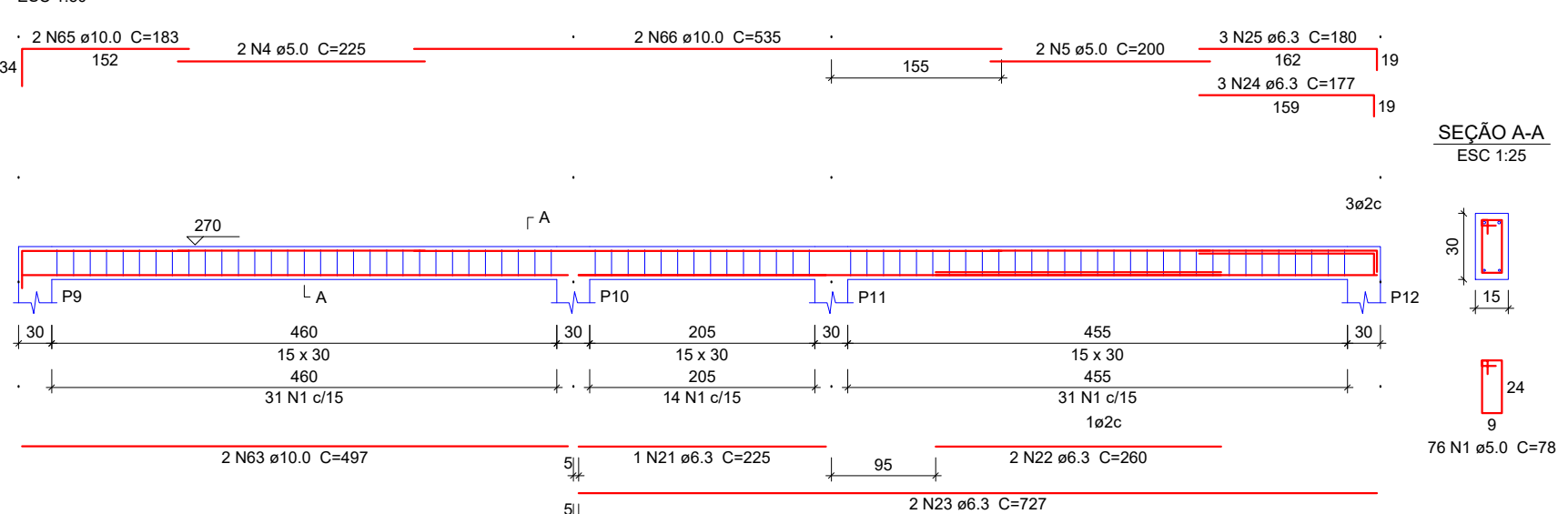
V6 (15 x 30)



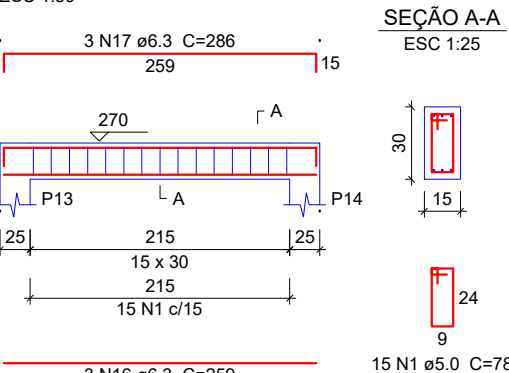
V7 (15 x 30)



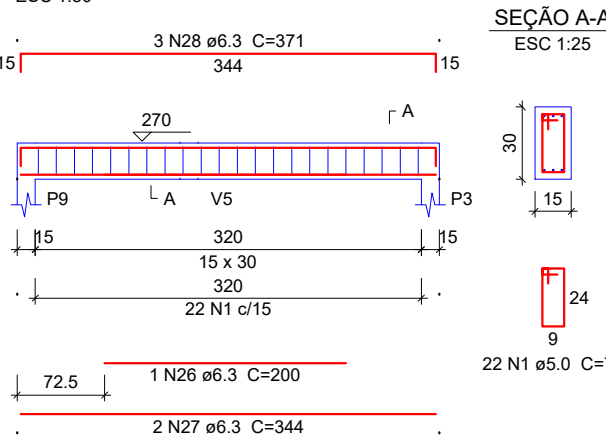
V8 (15 x 30)



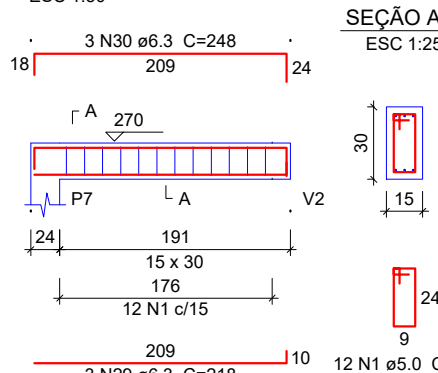
V9 (15 x 30)



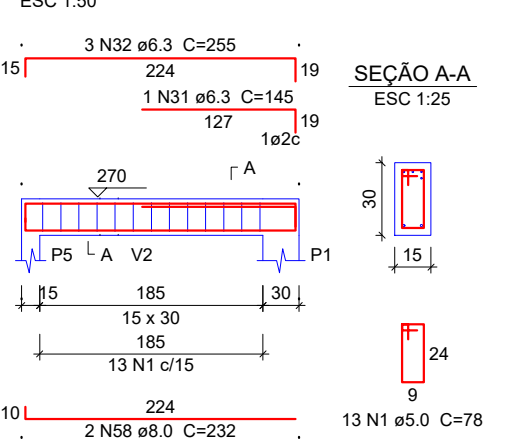
V10 (15 x 30)



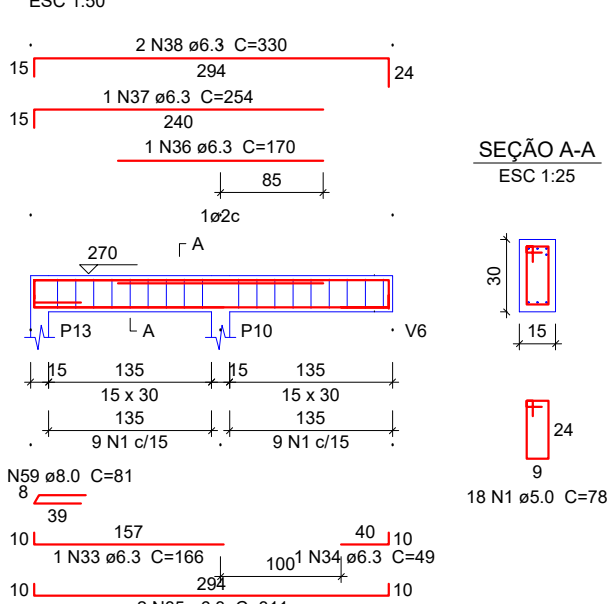
V11 (15 x 30)



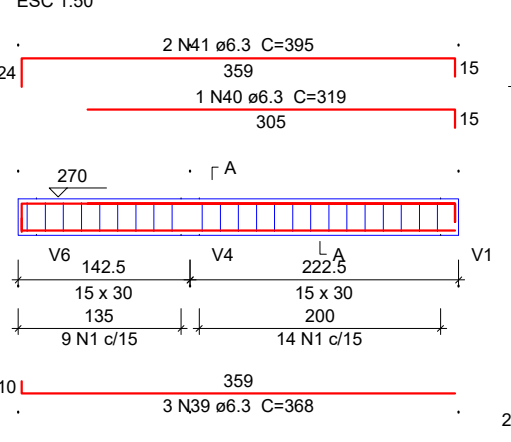
V12 (15 x 30)



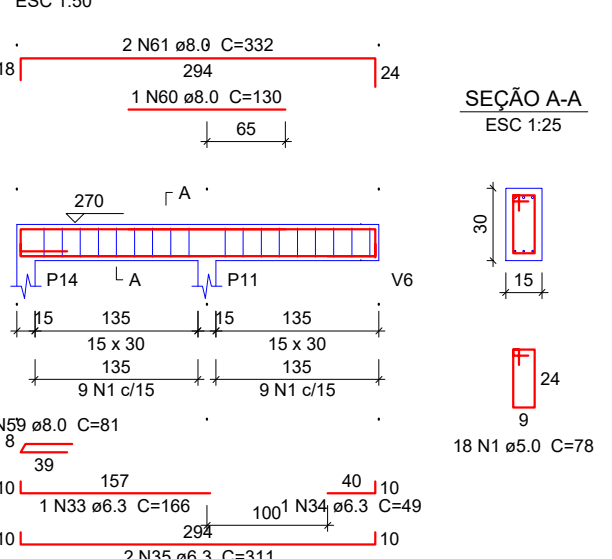
V13 (15 x 30)



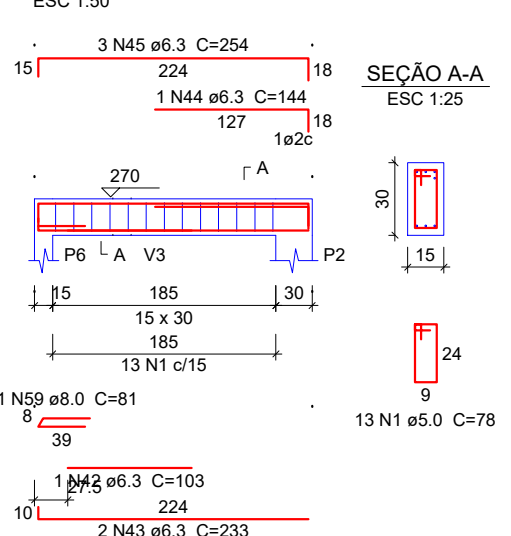
V14 (15 x 30)



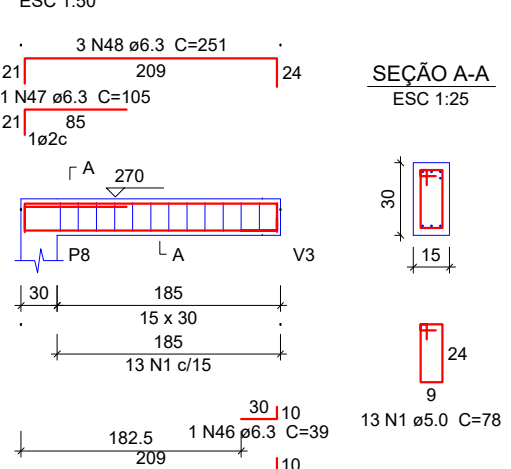
V15 (15 x 30)



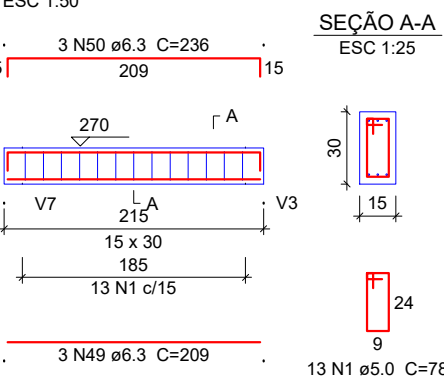
V16 (15 x 30)



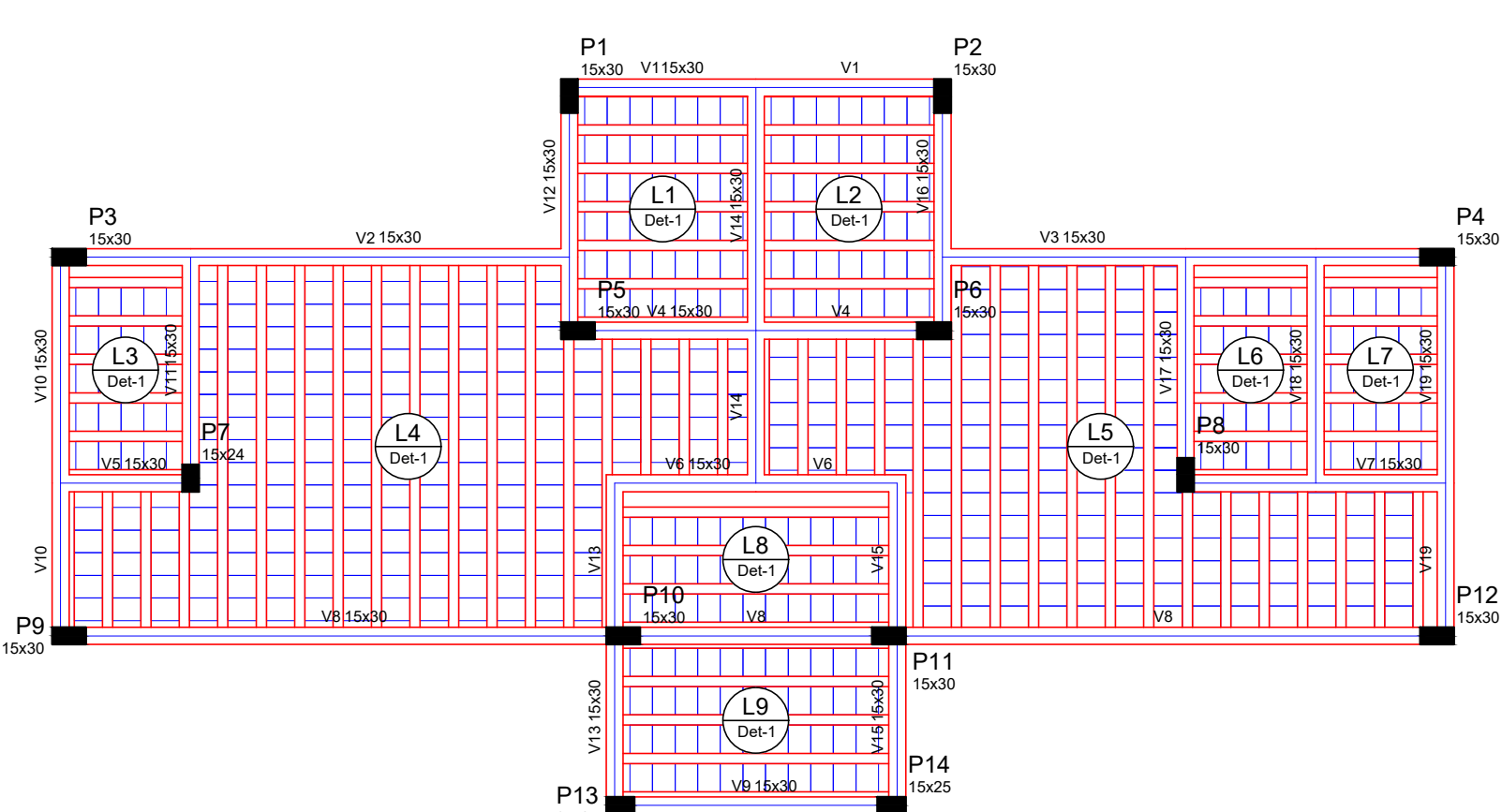
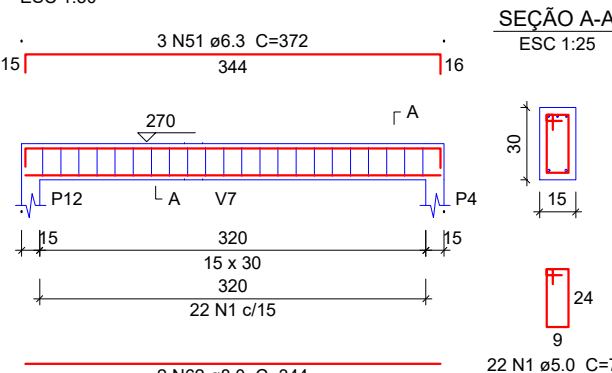
V17 (15 x 30)



V18 (15 x 30)



V19 (15 x 30)



Forma do pavimento Cobertura

escala 1:50

Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	15x30	0	270
V2	15x30	0	270
V3	15x30	0	270
V4	15x30	0	270
V5	15x30	0	270
V6	15x30	0	270
V7	15x30	0	270
V8	15x30	0	270
V9	15x30	0	270
V10	15x30	0	270
V11	15x30	0	270
V12	15x30	0	270
V13	15x30	0	270
V14	15x30	0	270
V15	15x30	0	270
V16	15x30	0	270
V17	15x30	0	270
V18	15x30	0	270
V19	15x30	0	270

Blocos de enchimento						
Detalhe	Tipo	Nome	Dimensões(cm)			Quantidade
			hb	bx	by	
1	Lajota cerâmica	B8/25/20	8	25	20	58

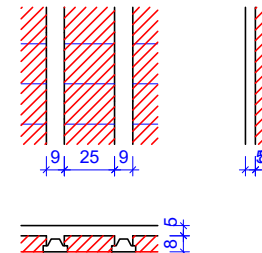
Pilares			
Nome	Seção (cm)	Elevação (m)	Nível (cm)
P1	15 x 30	0	270
P2	15 x 30	0	270
P3	15 x 30	0	270
P4	15 x 30	0	270
P5	15 x 30	0	270
P6	15 x 30	0	270
P7	15 x 24	0	270
P8	15 x 30	0	270
P9	15 x 30	0	270
P10	15 x 30	0	270
P11	15 x 30	0	270
P12	15 x 30	0	270
P13	15 x 25	0	270

Lajes						
Nome	Seção (cm)	Elevação (cm)	Nível (cm)	Peso próprio (kg/m²)	Adicional (kg/m²)	Acidental (kg/m²)
L1	15x30	0	270	284	220	0
L2	15x30	0	270	284	220	0
L3	15x30	0	270	284	220	0
L4	15x30	0	270	284	220	0
L5	15x30	0	270	284	220	0
L6	15x30	0	270	284	220	0
L7	15x30	0	270	284	220	0
L8	15x30	0	270	284	220	0
L9	15x30	0	270	284	220	0

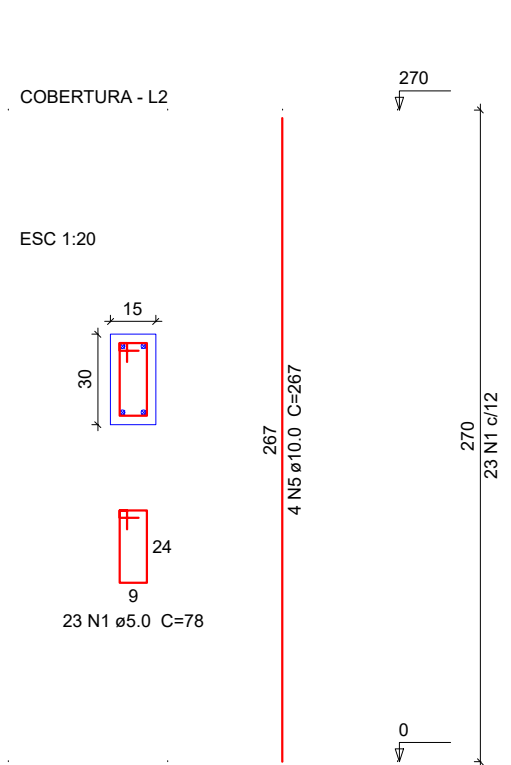
Características dos materiais	
fck (kgf/cm²)	Ecs (kgf/cm²)
300	260716

Legenda dos Pilares	
■	Pilar que morre
▨	Pilar que passa
□	Pilar que nasce
▩	Pilar com mudança de seção

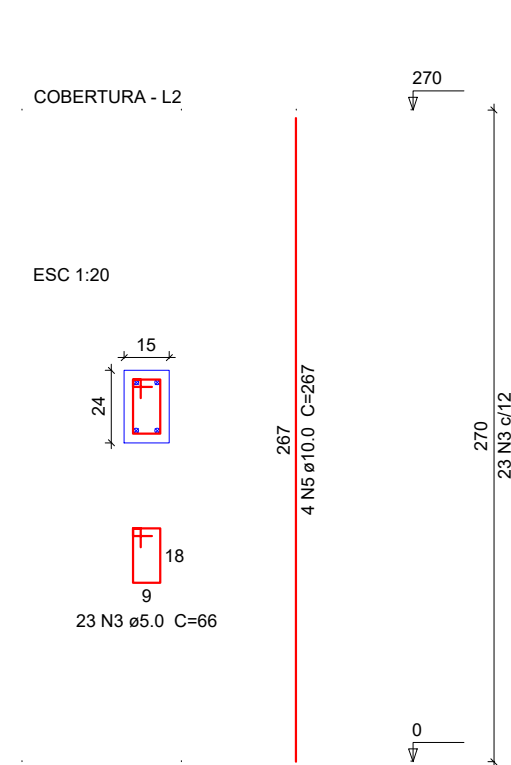
Detalhe 1 (esc. 1:30)



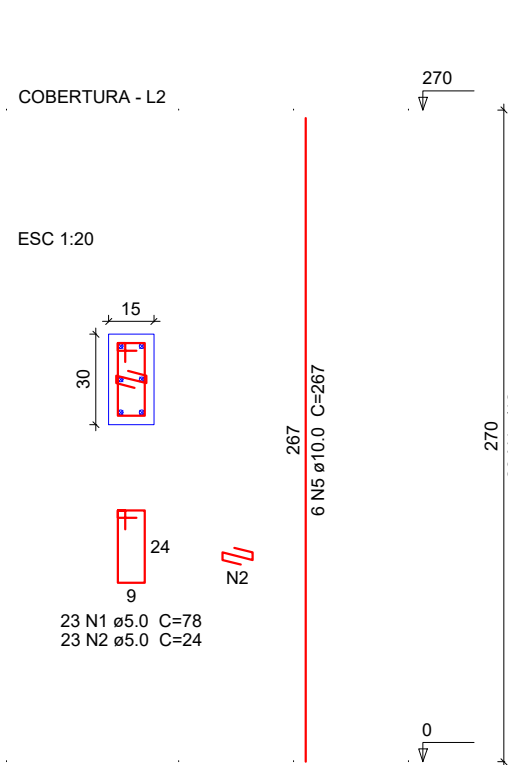
P1=P2=P4=P5=P6=P9=P10=P11



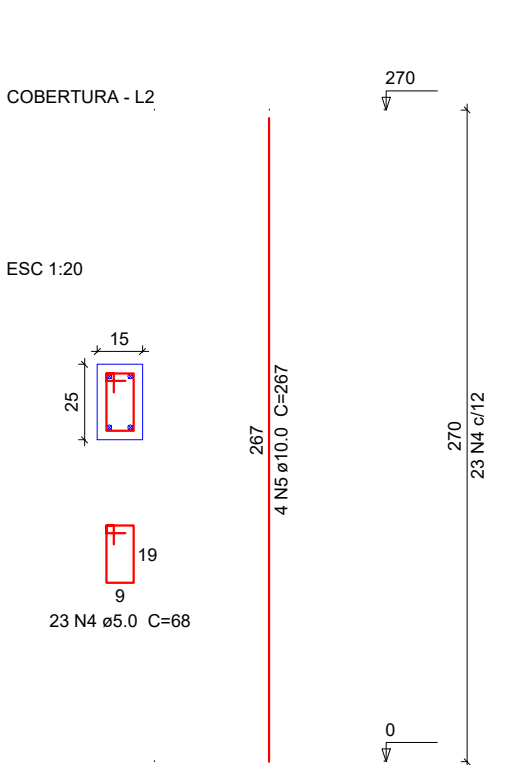
P7



P3=P8=P12



P13=P14



Relação do aço

ACO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	253	18	18734
CA60	2	5.0	69	24	1656
CA60	3	5.0	23	66	1518
CA60	4	5.0	46	66	3128
CA50	5	10.0	62	267	16564

Resumo do aço

ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)	BARRAS (un)
CA50	10.0	165.6	112.3	14
CA60	5.0	260.4	44.1	22
PESO TOTAL (kg)				
CA50		112.3		
CA60		44.1		

Volume de concreto (C-30) = 1.64 m³

Área de forma = 33.16 m²

Relação do aço

ACO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	393	78	30654
CA60	2	5.0	2	272	344
CA60	3	5.0	2	243	486
CA60	4	5.0	2	225	450
CA60	5	5.0	2	200	400
CA60	6	6.3	1	135	135
CA60	7	6.3	2	339	678
CA60	8	6.3	3	366	1098
CA60	9	6.3	3	79	237
CA60	10	6.3	3	184	552
CA60	11	6.3	3	167	501
CA60	12	6.3	1	370	370
CA60	13	6.3	3	376	1128
CA60	14	6.3	3	133	399
CA60	15	6.3	3	160	480
CA60	16	6.3	6	259	1554
CA60	17	6.3	6	286	1716
CA60	18	6.3	1	125	125
CA60	19	6.3	2	248	496
CA60	20	6.3	3	275	825
CA60	21	6.3	1	225	225
CA60	22	6.3	2	260	520
CA60	23	6.3	2	727	1454
CA60	24	6.3	3	177	531
CA60	25	6.3	3	180	540
CA60	26	6.3	1	200	200
CA60	27	6.3	2	344	688
CA60	28	6.3	3	371	1113
CA60	29	6.3	5	218	1090
CA60	30	6.3	3	248	744
CA60	31	6.3	1	145	145
CA60	32	6.3	3	255	765
CA60	33	6.3	2	166	332
CA60	34	6.3	2	40	80
CA60	35	6.3	4	311	1244
CA60	36	6.3	1	170	170
CA60	37	6.3	1	254	254
CA60	38	6.3	2	330	660
CA60	39	6.3	3	368	1104
CA60	40	6.3	1	319	319
CA60	41	6.3	2	395	790
CA60	42	6.3	1	103	103
CA60	43	6.3	2	233	466
CA60	44	6.3	1	144	144
CA60	45	6.3	3	254	762
CA60	46	6.3	1	39	39
CA60	47	6.3	1	105	105
CA60	48	6.3	3	251	753
CA60	49	6.3	3	209	627
CA60	50	6.3	3	236	708
CA60	51	6.3	3	372	1116
CA60	52	8.0	2	293	586
CA60	53	8.0	2	459	918
CA60	54	8.0	1	223	223
CA60	55	8.0	2	454	908
CA60	56	8.0	1	140	140
CA60	57	8.0	2	339	678
CA60	58	8.0	2	232	464
CA60	59	8.0	3	81	243
CA60	60	8.0	1	130	130
CA60	61	8.0	2	332	664
CA60	62	8.0	2	344	688
CA60	63	10.0	2	497	994
CA60	64	12.5	2	234	468
CA60	65	12.5	2	183	366
CA60	66	12.5	2	535	1070

Resumo do aço

ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)	BARRAS (un)
CA50	6.3	281.7	75.8	23
CA50	8.0	58.5	24.5	5
CA50	10.0	29.1	12.9	2
CA60	5.0	325.4	55.2	27
PESO TOTAL (kg)				
CA50		113.2		
CA60		55.2		

Volume de concreto (C-30) = 2.94 m³

Área de forma = 48.98 m²