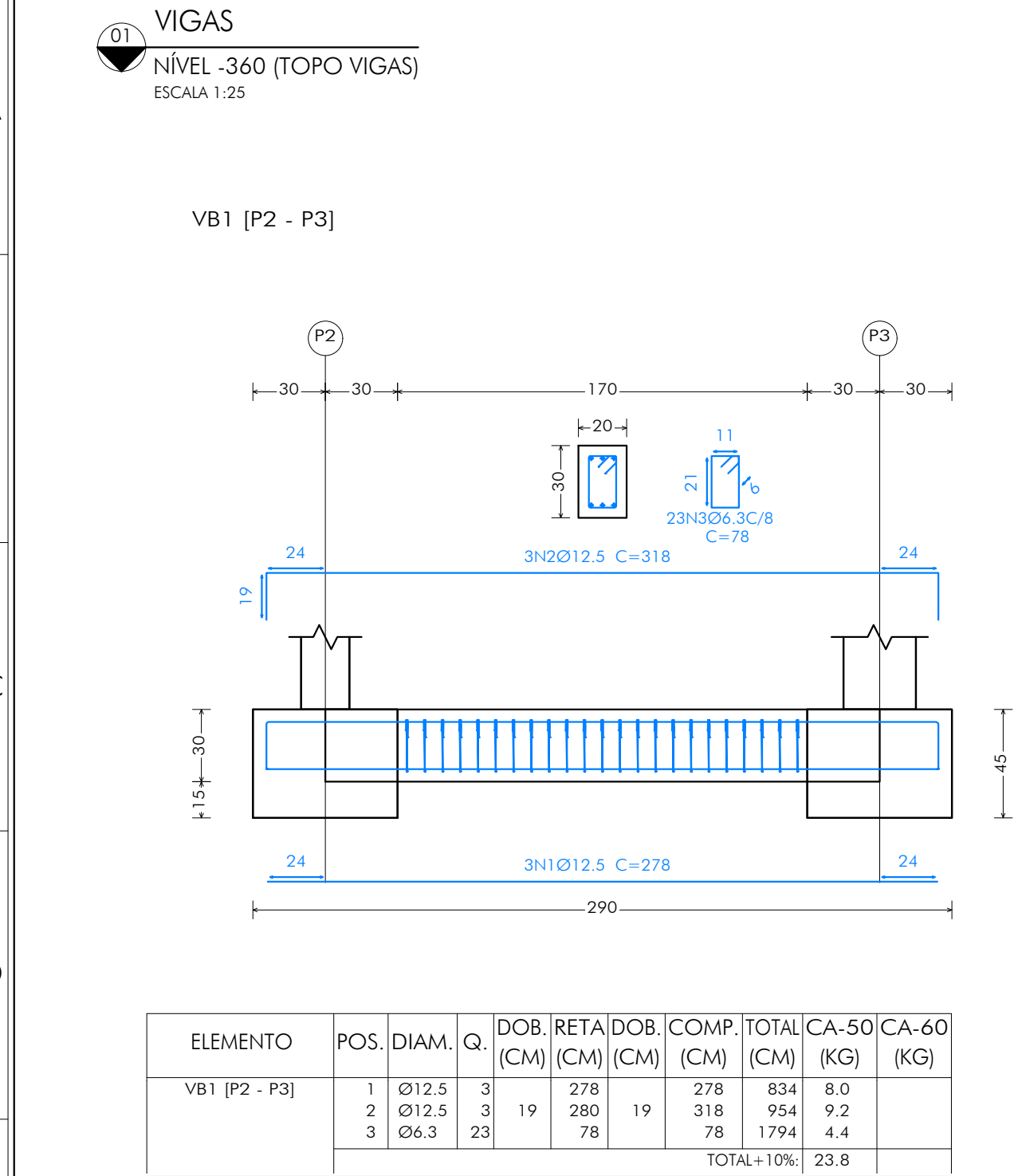
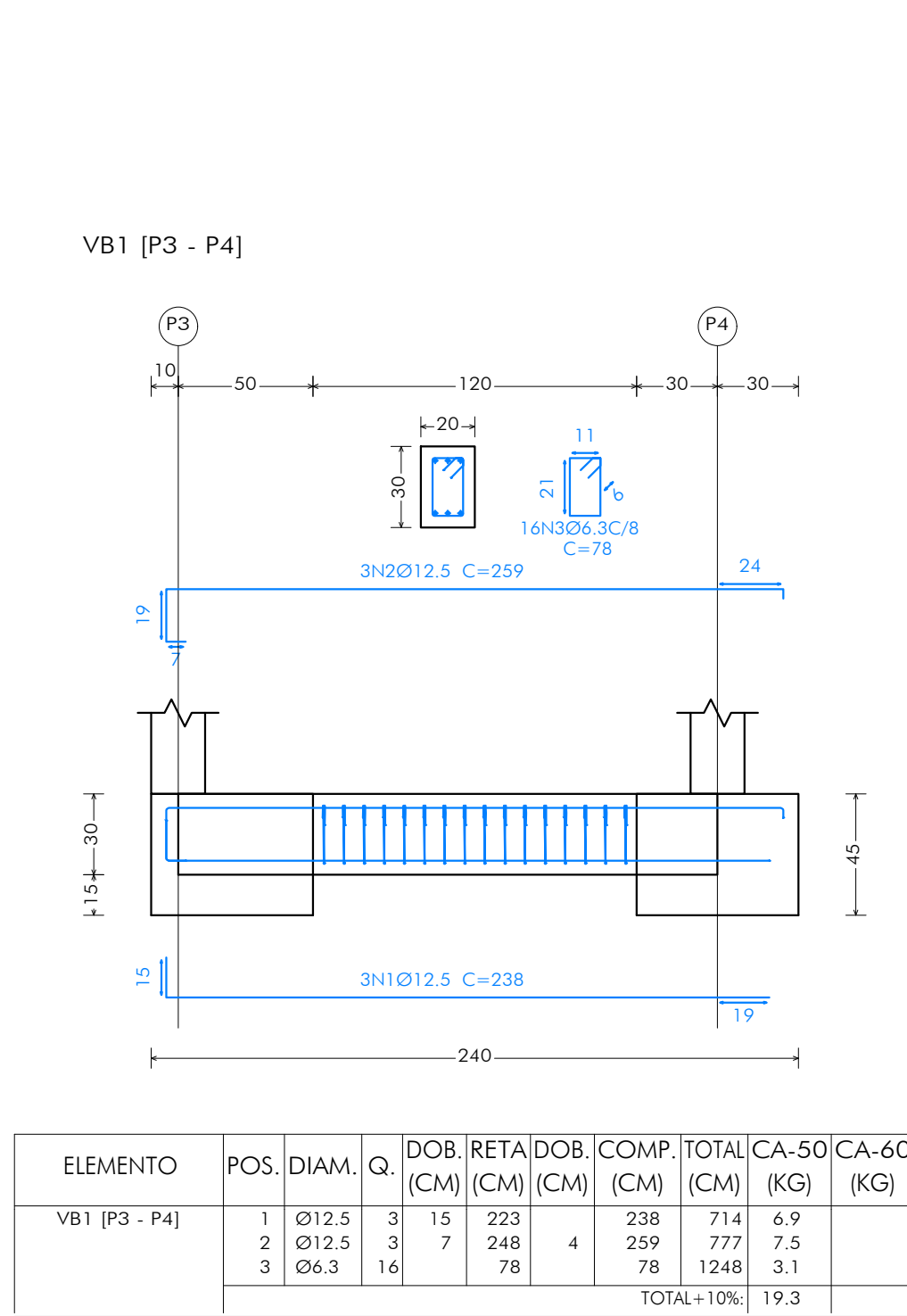
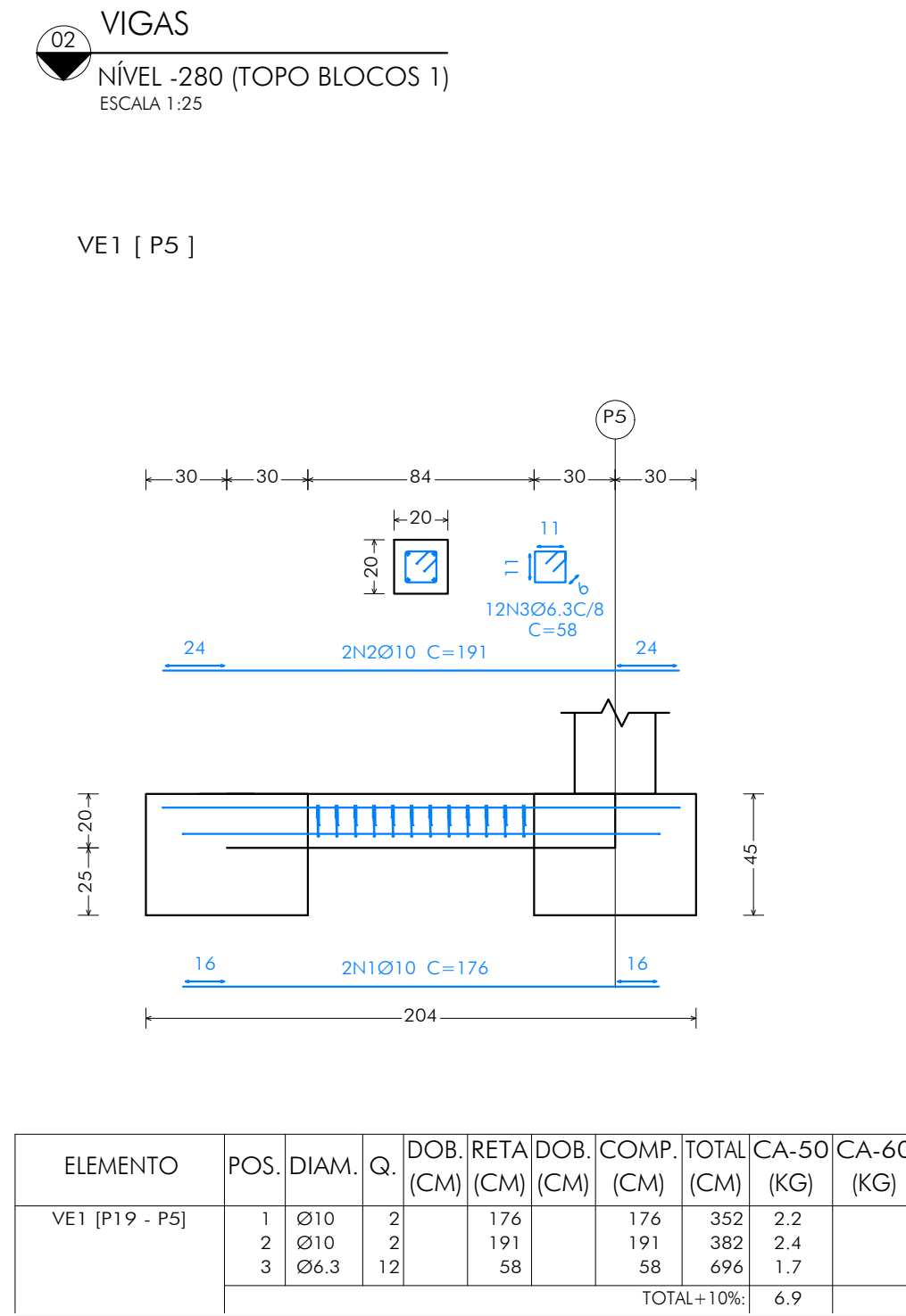




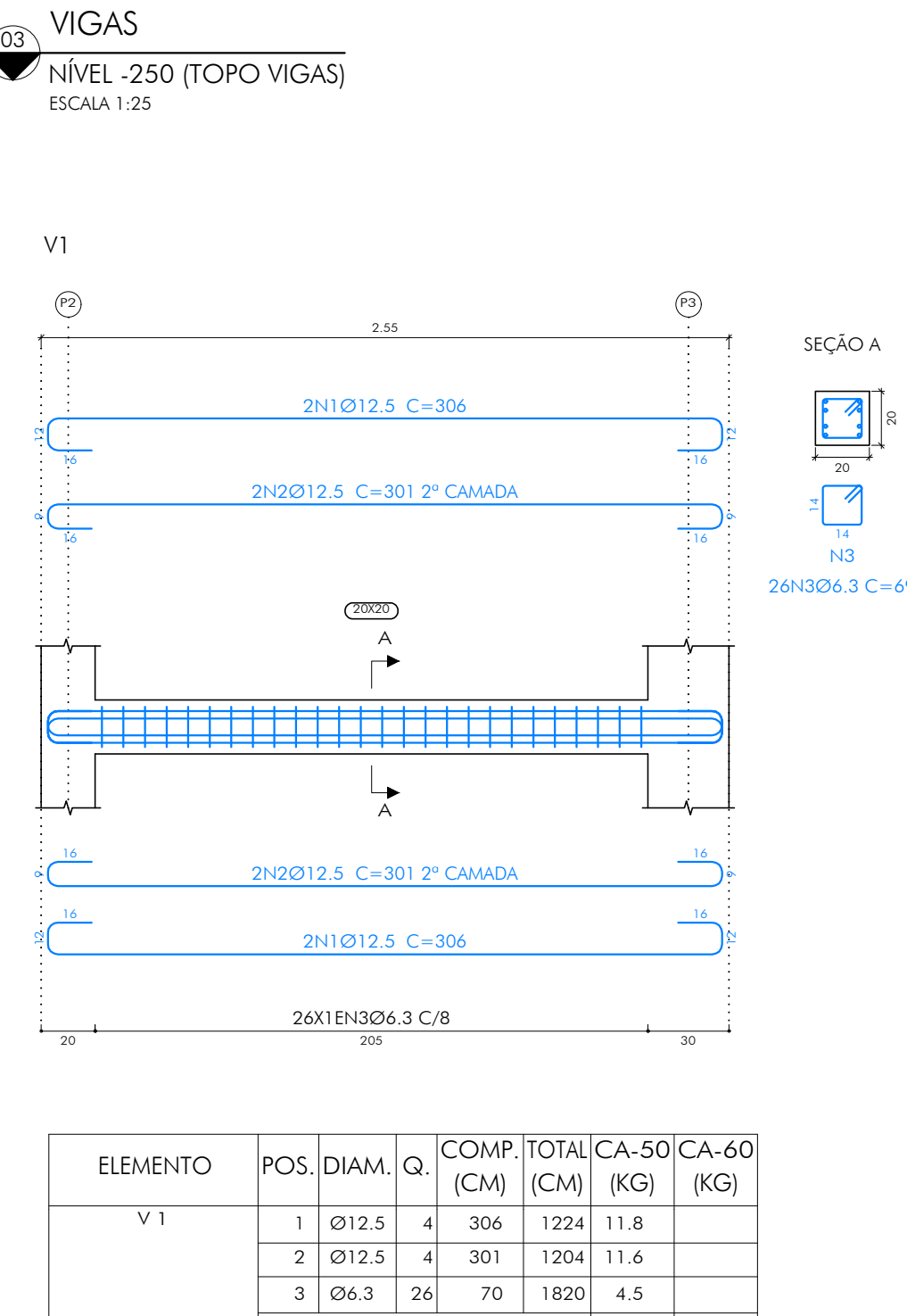
ELEMENTO	POS.	DIAM.	Q.	DOB. (CM)	RETA (CM)	DOB. (CM)	COMP. (CM)	TOTAL (CM)	CA-50 (KG)	CA-60 (KG)
VB1 [P2 - P3]	1	Ø12.5	3	19	278	278	834	8.0		
	2	Ø12.5	3	19	280	318	954	9.2		
	3	Ø6.3	23		78	78	1794	4.4		
	TOTAL+10%									23.8



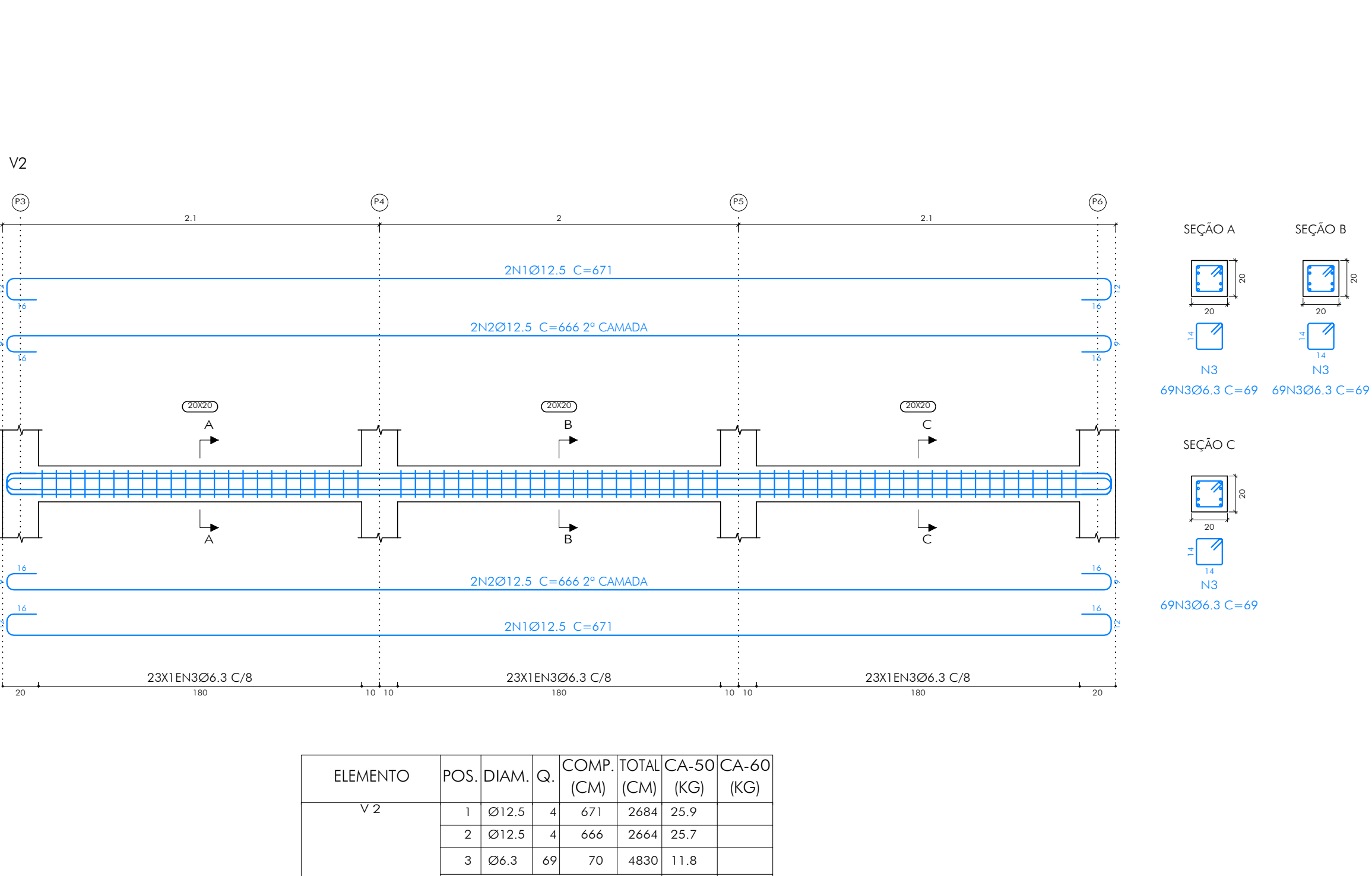
ELEMENTO	POS.	DIAM.	Q.	DOB. (CM)	RETA (CM)	DOB. (CM)	COMP. (CM)	TOTAL (CM)	CA-50 (KG)	CA-60 (KG)
VB1 [P3 - P4]	1	Ø12.5	3	15	223	238	714	6.9		
	2	Ø12.5	3	7	248	4	259	777	7.5	
	3	Ø6.3	14		78	78	1248	3.1		
	TOTAL+10%									19.3



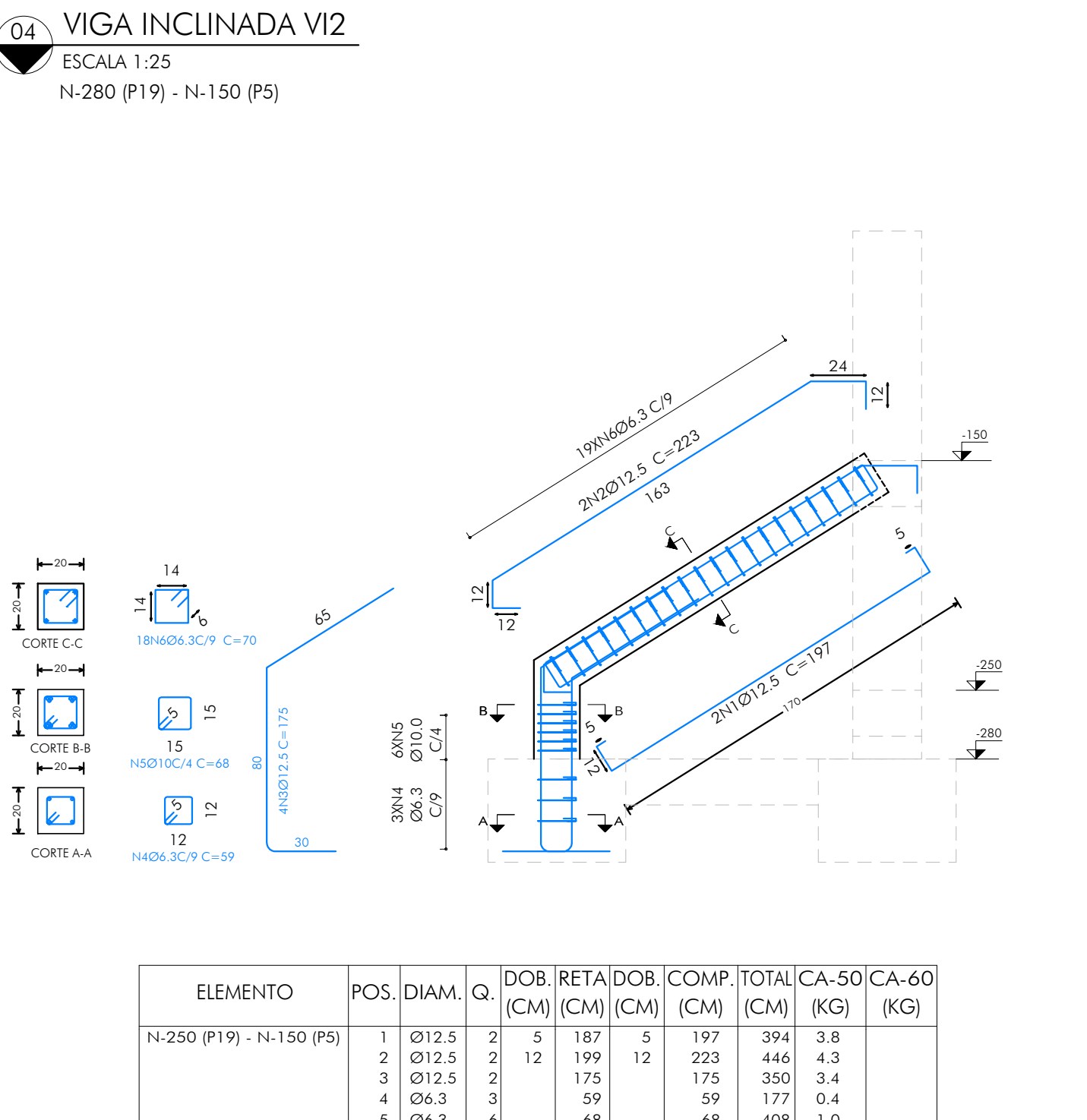
ELEMENTO	POS.	DIAM.	Q.	DOB. (CM)	RETA (CM)	DOB. (CM)	COMP. (CM)	TOTAL (CM)	CA-50 (KG)	CA-60 (KG)
VE1 [P19 - P5]	1	Ø10	2		176	176	352	2.2		
	2	Ø10	2		191	191	382	2.4		
	3	Ø6.3	12		58	58	696	1.7		
	TOTAL+10%									6.9



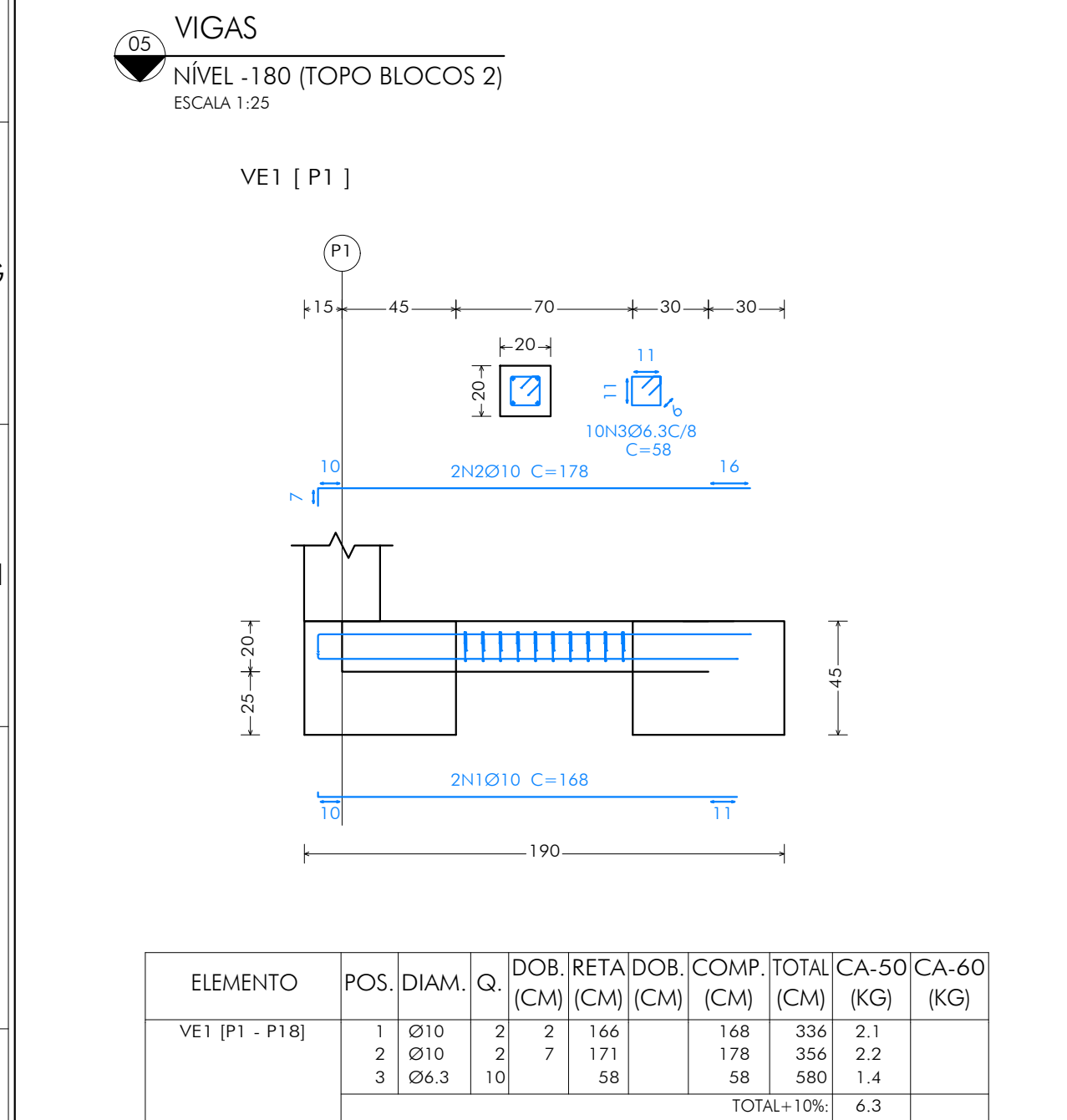
ELEMENTO	POS.	DIAM.	Q.	COMP. (CM)	TOTAL (CM)	CA-50 (KG)	CA-60 (KG)
V 1	1	Ø12.5	4	306	1224	11.8	
	2	Ø12.5	4	301	1204	11.6	
	3	Ø6.3	26	70	1820	4.5	



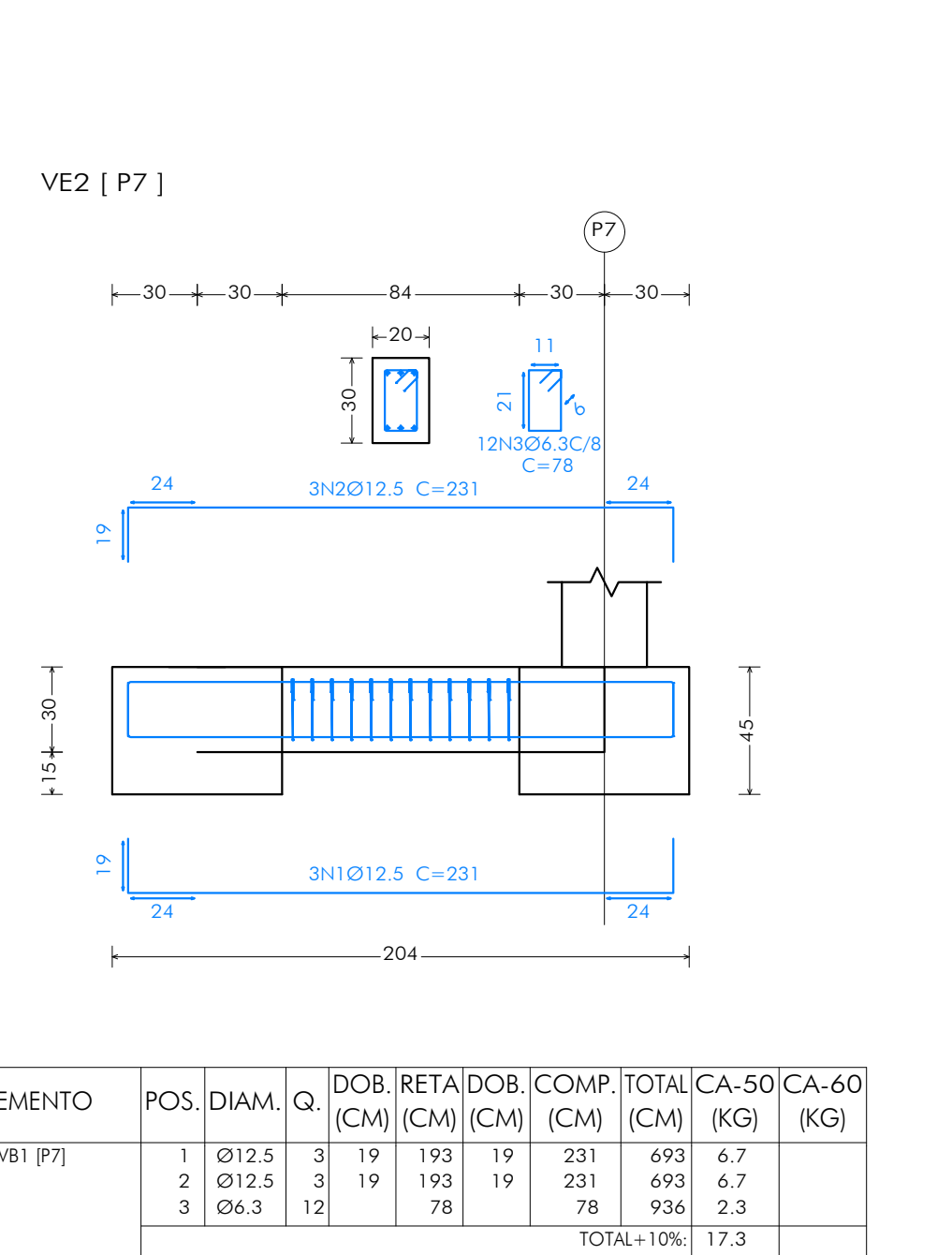
ELEMENTO	POS.	DIAM.	Q.	COMP. (CM)	TOTAL (CM)	CA-50 (KG)	CA-60 (KG)
V 2	1	Ø12.5	4	671	2684	25.9	
	2	Ø12.5	4	666	2664	25.7	
	3	Ø6.3	69	70	4830	11.8	



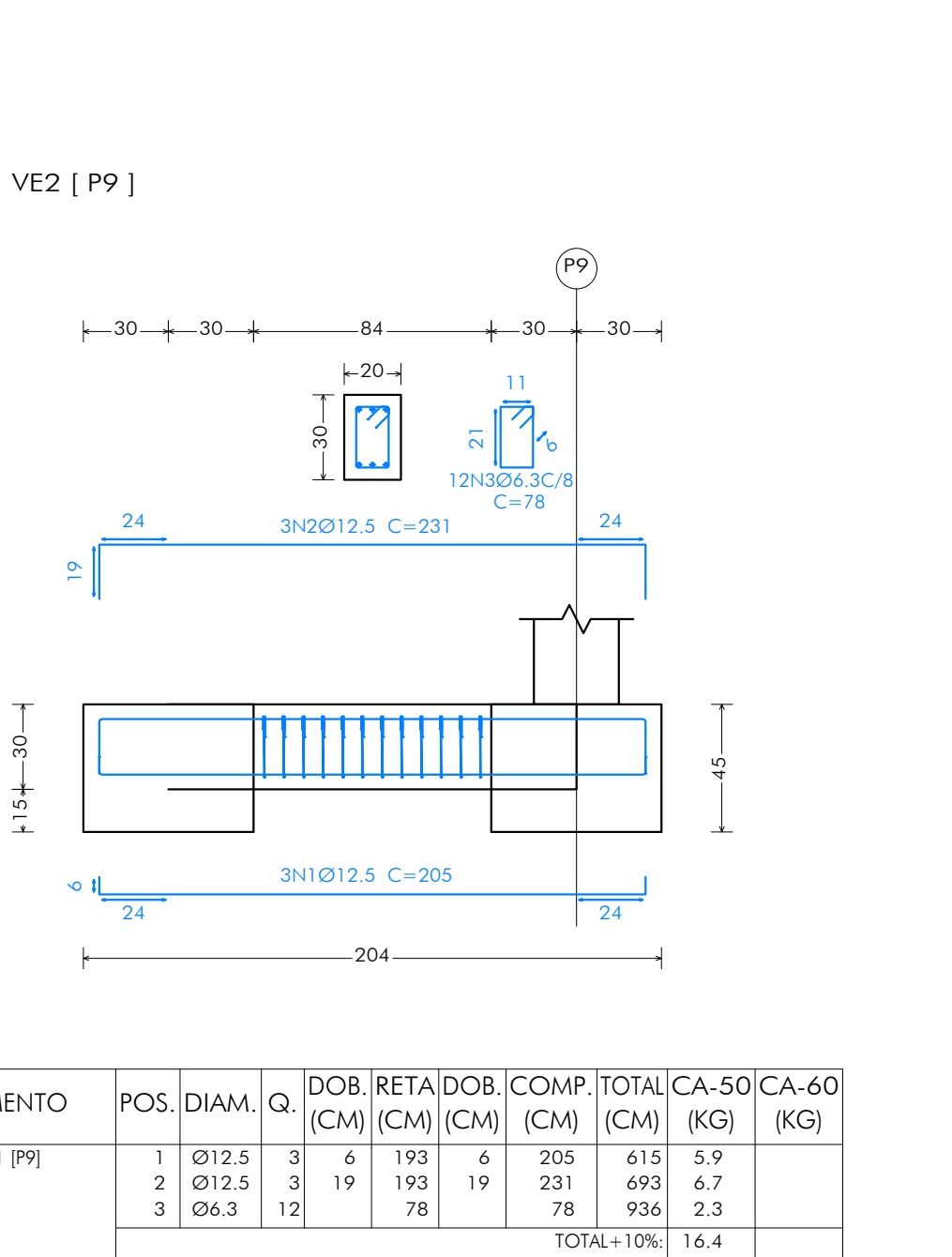
ELEMENTO	POS.	DIAM.	Q.	DOB. (CM)	RETA (CM)	DOB. (CM)	COMP. (CM)	TOTAL (CM)	CA-50 (KG)	CA-60 (KG)
N-250 (P19) - N-150 (P5)	1	Ø12.5	2	5	187	5	197	394	3.8	
	2	Ø12.5	2	12	199	12	223	446	4.3	
	3	Ø12.5	2		175	175	350	3.4		
	4	Ø6.3	3		59	59	177	0.4		
	5	Ø6.3	6		68	68	408	1.0		
	6	Ø6.3	19		70	70	1330	3.3		
TOTAL+10%										17.8



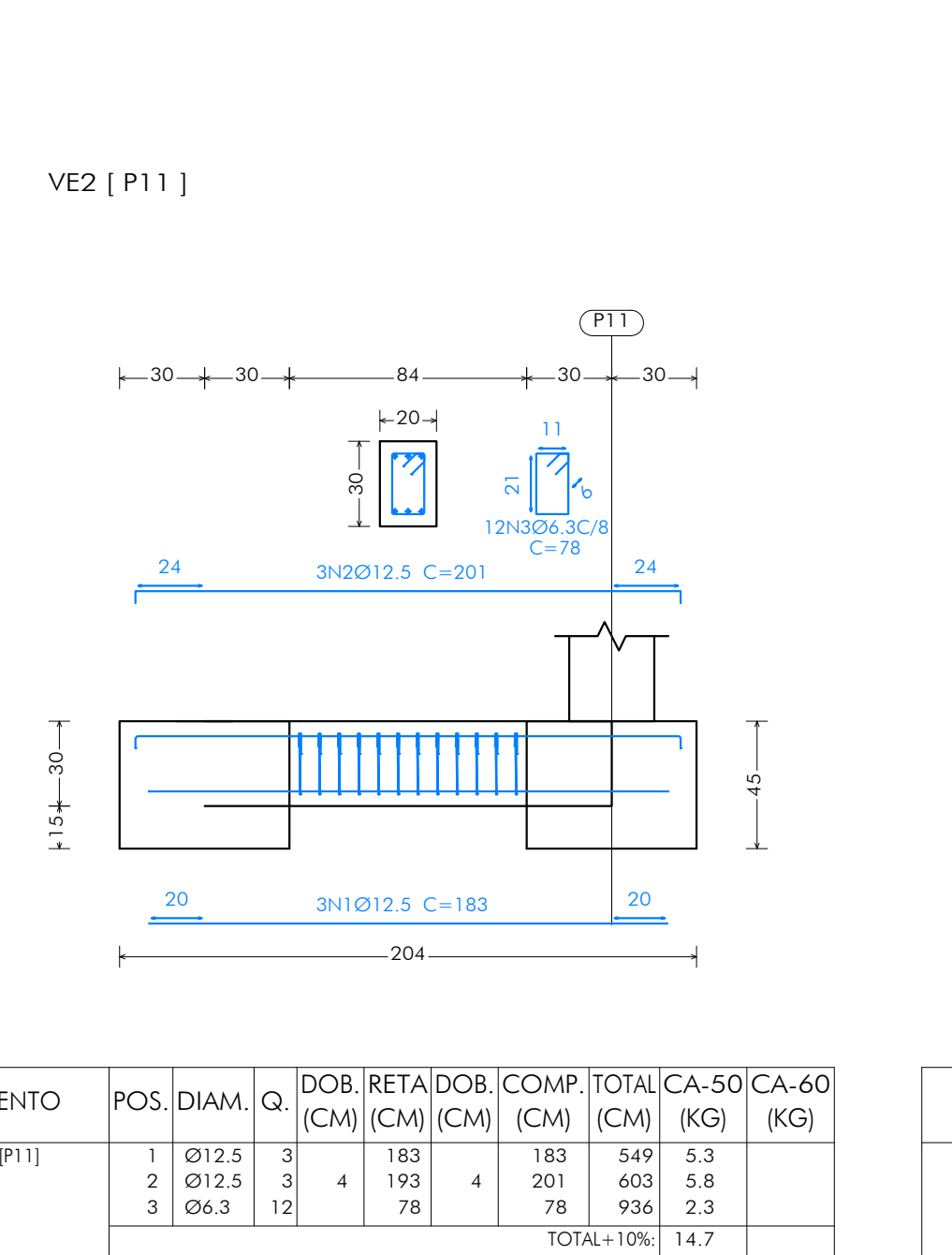
ELEMENTO	POS.	DIAM.	Q.	DOB. (CM)	RETA (CM)	DOB. (CM)	COMP. (CM)	TOTAL (CM)	CA-50 (KG)	CA-60 (KG)
VE1 [P1 - P18]	1	Ø10	2	2	166	168	336	2.1		
	2	Ø10	2	7	171	178	356	2.2		
	3	Ø6.3	10		58	58	580	1.4		
	TOTAL+10%									6.3



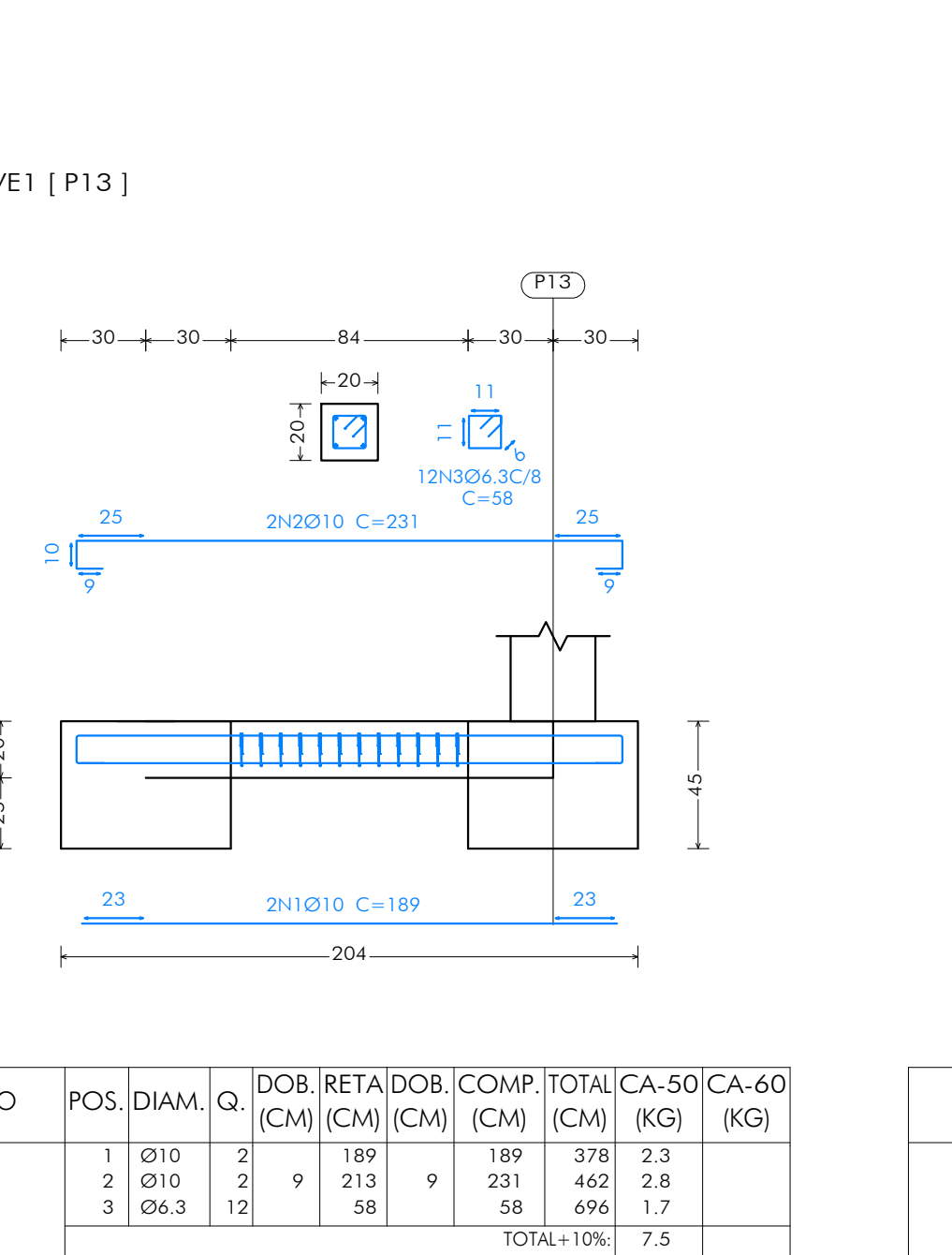
ELEMENTO	POS.	DIAM.	Q.	DOB. (CM)	RETA (CM)	DOB. (CM)	COMP. (CM)	TOTAL (CM)	CA-50 (KG)	CA-60 (KG)
VB1 [P7]	1	Ø12.5	3	19	193	19	231	693	6.7	
	2	Ø12.5	3	19	193	19	231	693	6.7	
	3	Ø6.3	12		78	78	936	2.3		
	TOTAL+10%									17.3



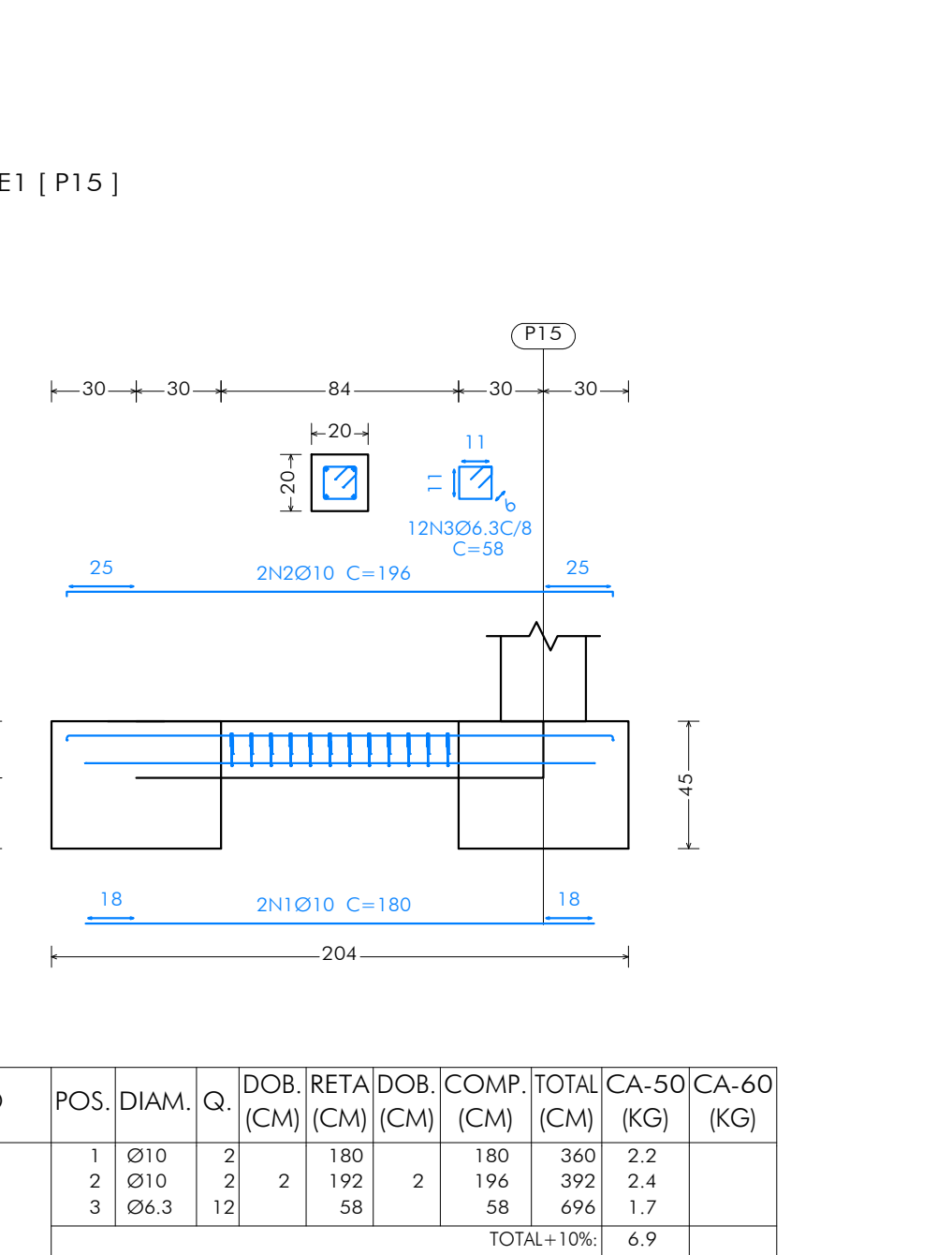
ELEMENTO	POS.	DIAM.	Q.	DOB. (CM)	RETA (CM)	DOB. (CM)	COMP. (CM)	TOTAL (CM)	CA-50 (KG)	CA-60 (KG)
VB1 [P9]	1	Ø12.5	3	6	193	6	205	615	5.9	
	2	Ø12.5	3	19	193	19	231	693	6.7	
	3	Ø6.3	12		78	78	936	2.3		
	TOTAL+10%									16.4



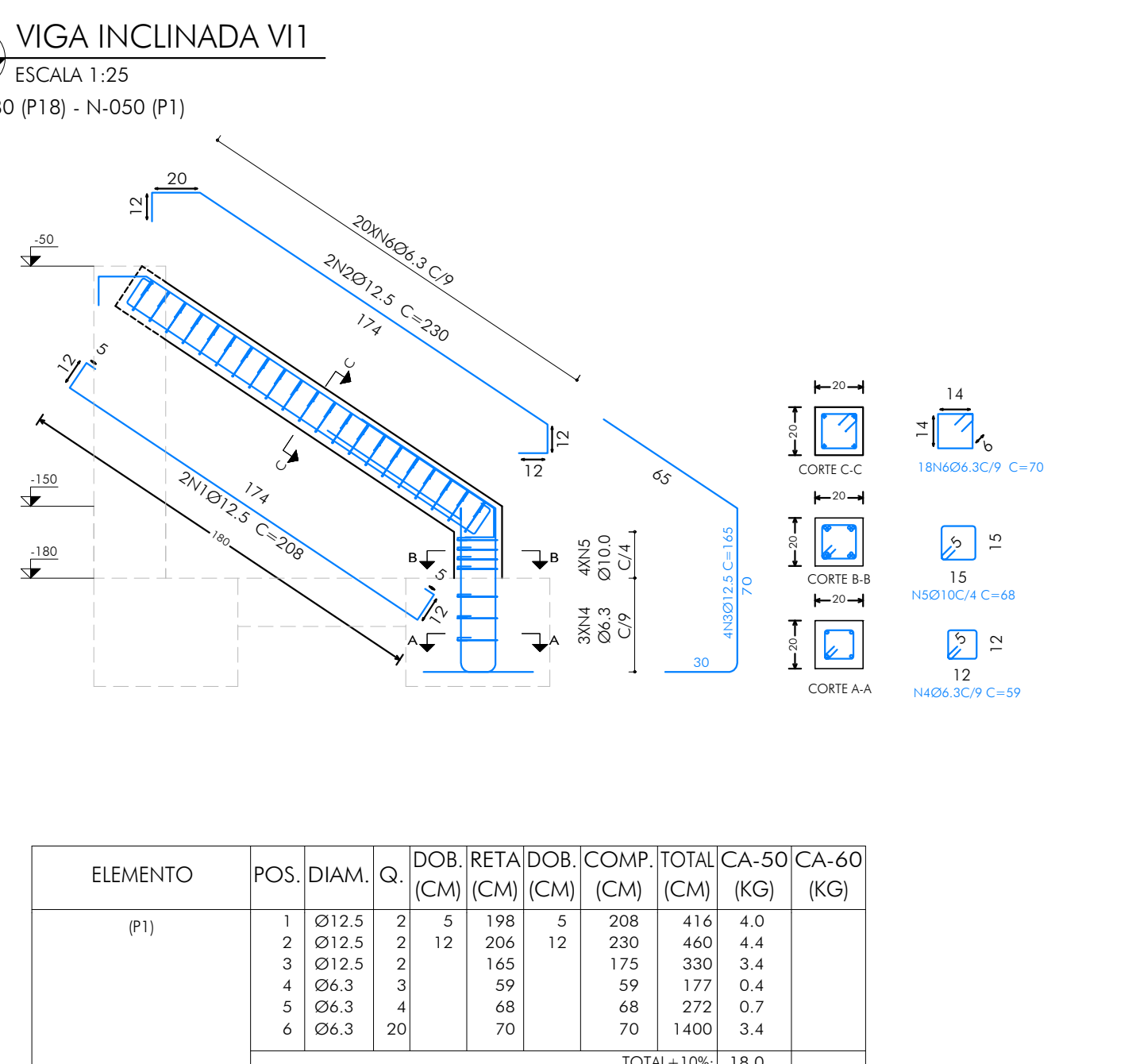
ELEMENTO	POS.	DIAM.	Q.	DOB. (CM)	RETA (CM)	DOB. (CM)	COMP. (CM)	TOTAL (CM)	CA-50 (KG)	CA-60 (KG)
VB1 [P11]	1	Ø12.5	3		183	183	549	5.3		
	2	Ø12.5	3	4	193	4	201	603	5.8	
	3	Ø6.3	12		78	78	936	2.3		
	TOTAL+10%									14.7



ELEMENTO	POS.	DIAM.	Q.	DOB. (CM)	RETA (CM)	DOB. (CM)	COMP. (CM)	TOTAL (CM)	CA-50 (KG)	CA-60 (KG)
VE1 [P13]	1	Ø10	2		189	189	378	2.3		
	2	Ø10	2	9	213	9	231	462	2.8	
	3	Ø6.3	12		58	58	696	1.7		
	TOTAL+10%									7.5



ELEMENTO	POS.	DIAM.	Q.	DOB. (CM)	RETA (CM)	DOB. (CM)	COMP. (CM)	TOTAL (CM)	CA-50 (KG)	CA-60 (KG)
VE1 [P15]	1	Ø10	2		180	180	360	2.2		
	2	Ø10	2	2	192	2	196	392	2.4	
	3	Ø6.3	12		58	58	696	1.7		
	TOTAL+10%									6.9



ELEMENTO	POS.	DIAM.	Q.	DOB. (CM)	RETA (CM)	DOB. (CM)	COMP. (CM)	TOTAL (CM)	CA-50 (KG)	CA-60 (KG)
P11	1	Ø12.5	2	5	198	5	208	416	4.0	
	2	Ø12.5	2	12	206	12	230	460	4.4	
	3	Ø12.5	2		165	175	330	3.4		
	4	Ø6.3	3		59	59	177	0.4		
	5	Ø6.3	4		68	68	272	0.7		
	6	Ø6.3	20		70	70	1400	3.4		
TOTAL+10%										18.0

REVISÃO	REFERÊNCIA	DESCRIÇÃO	DATA	APROVAÇÃO
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ANCORAGEM:		
COMP. ANCORAGEM RETA E COM GANCHO		
Fck=25,0MPa		
Ø(mm)	Lb(cm)	lbg(cm)
5.0	21.0	9 + (5)
6.3	28.1	11.5 + (5)
8.0	35.1	14.5 + (5)
10.0	42.1	18 + (5)
12.5	56.1	22.5 + (5)
16.0	70.1	29 + (5)
20.0	84.2	49 + (5)