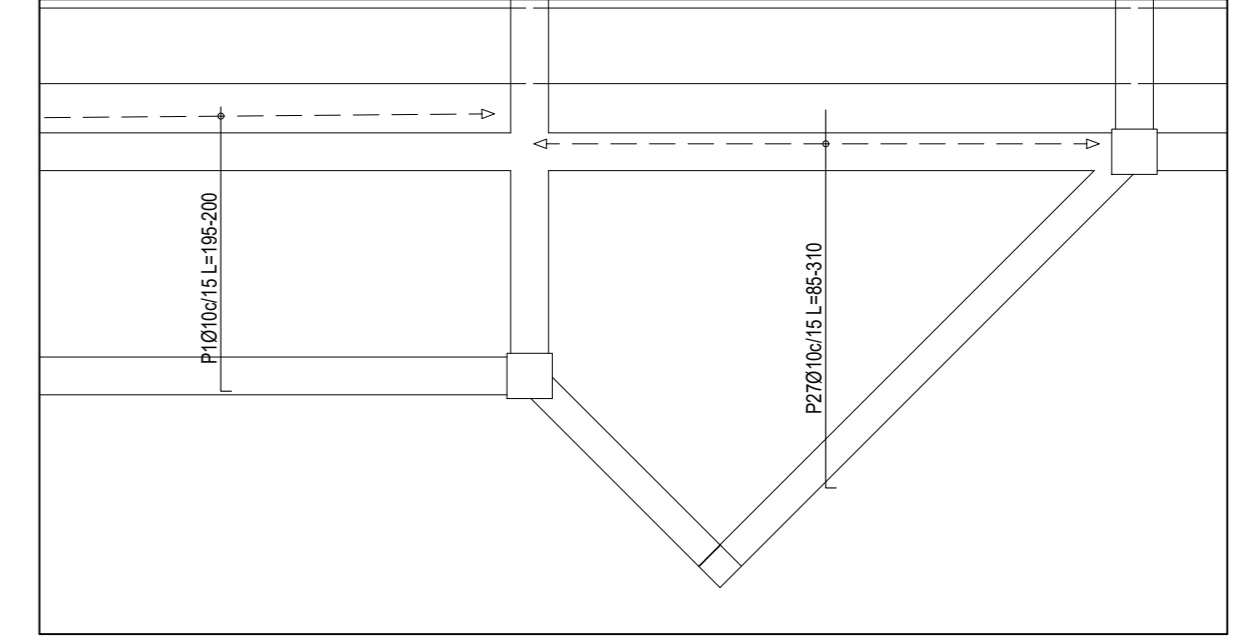
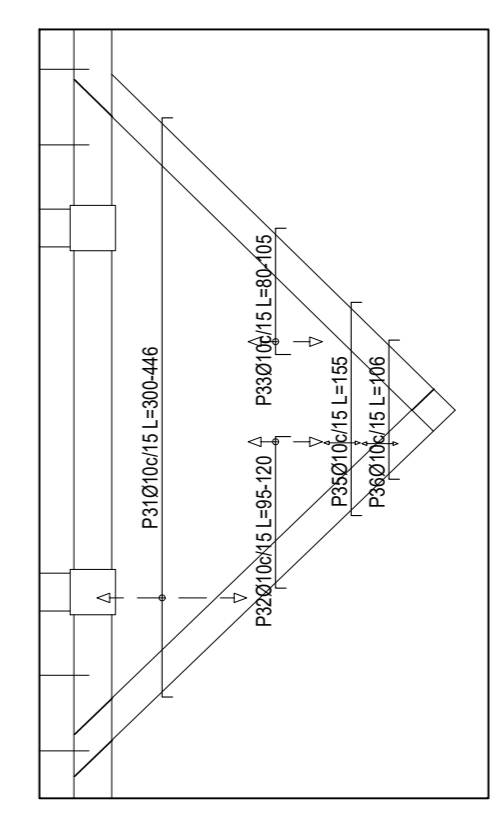
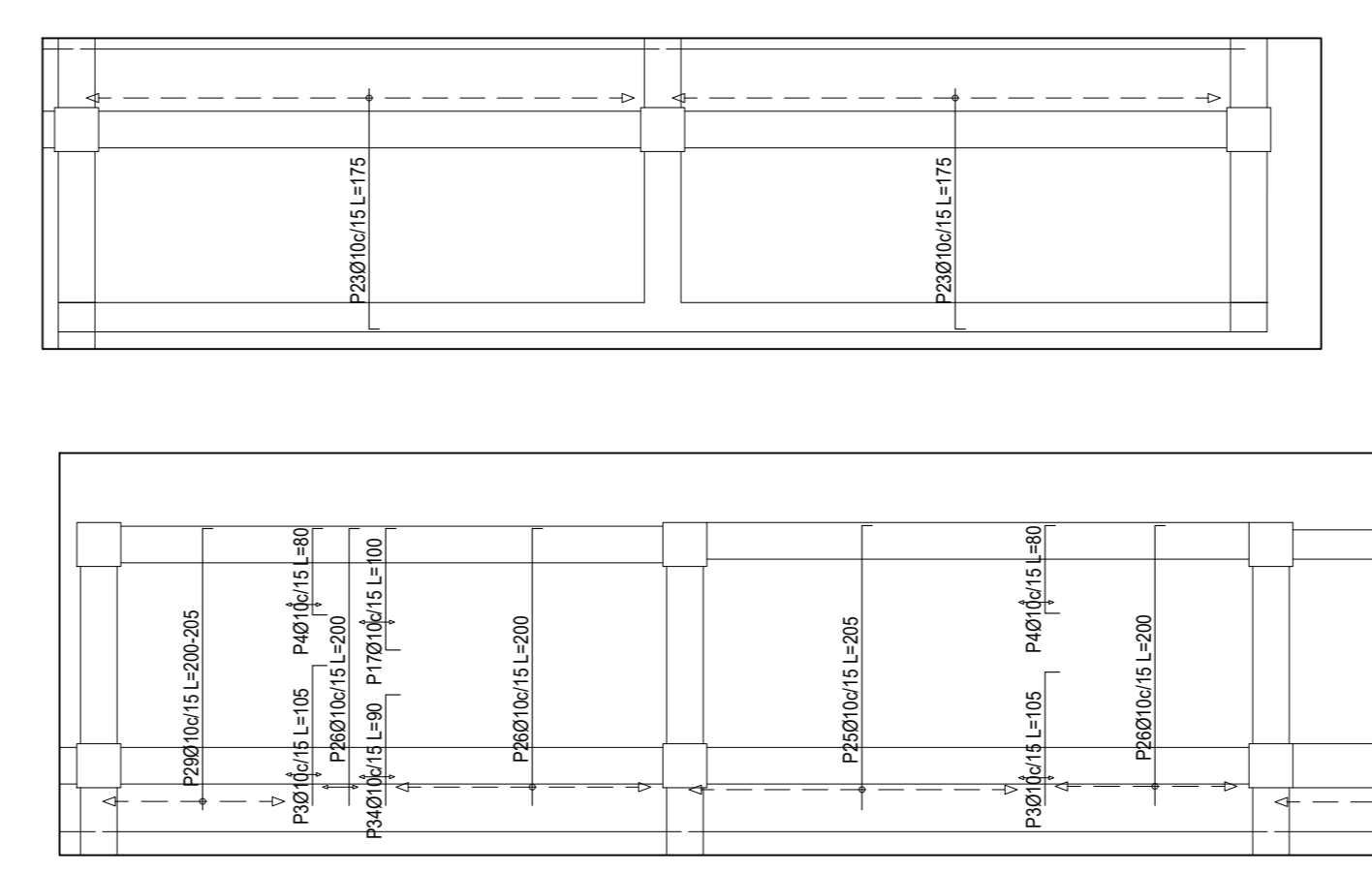
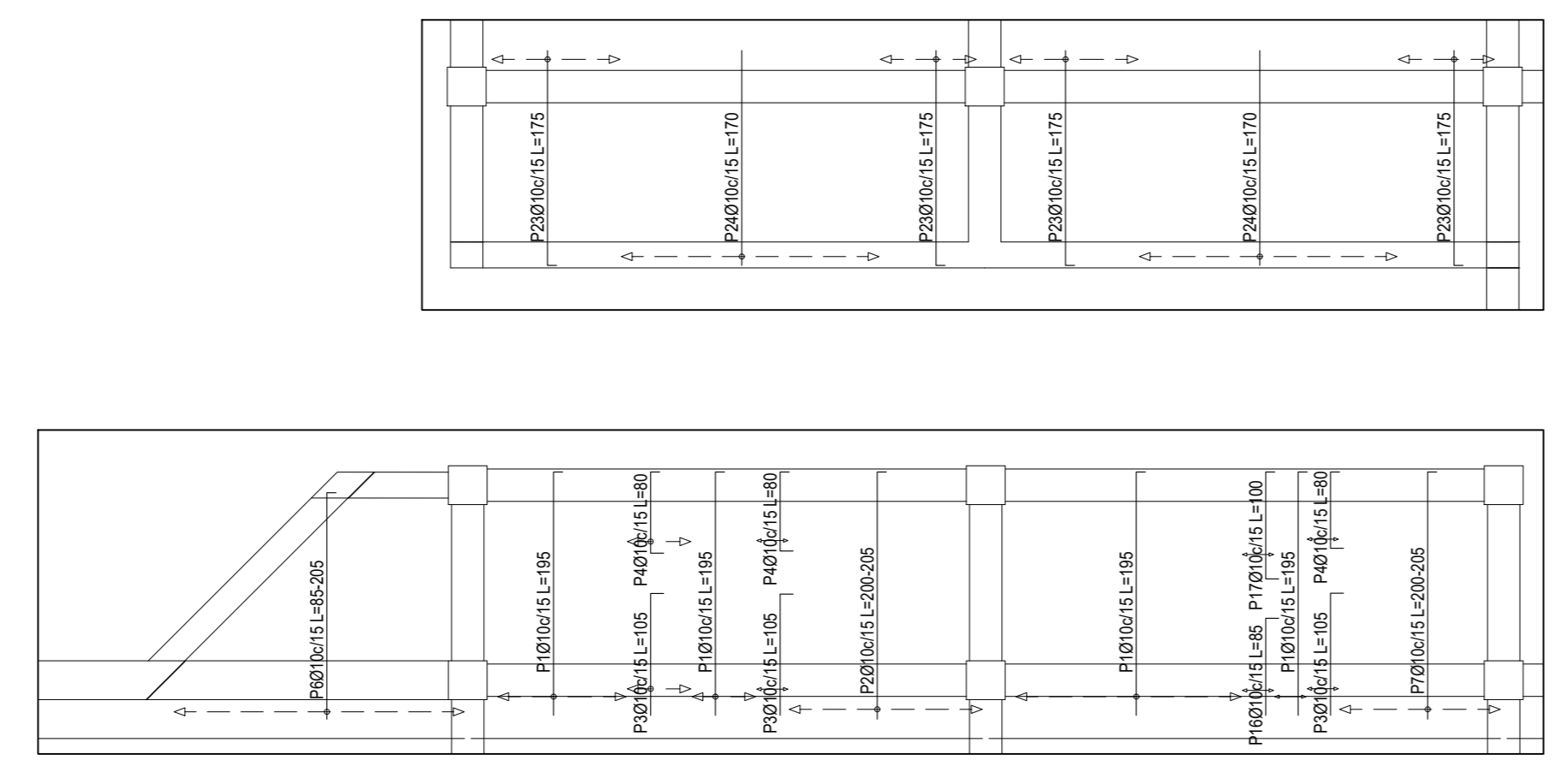
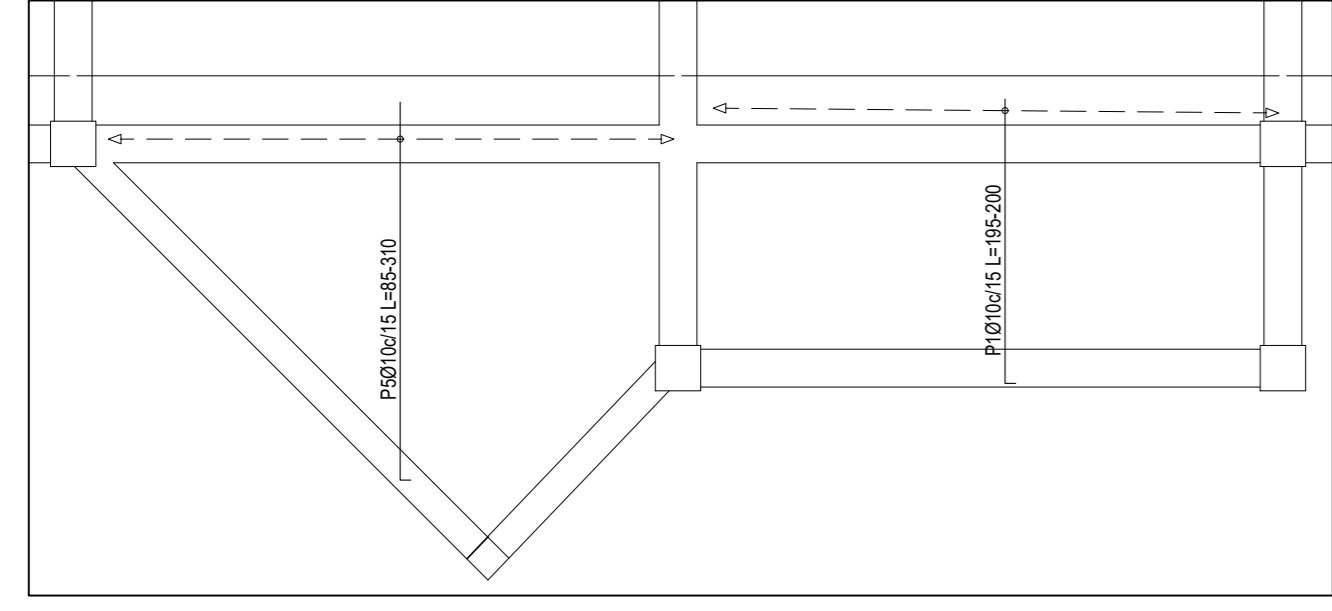
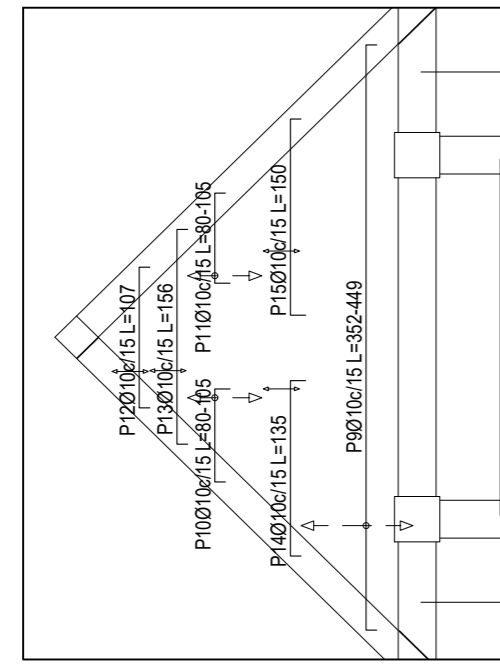


Resumen Acero			
PRIMERA PLANTA			
Armadura transversal superior			
AH-500CN	Ø10	963.7	654

PRIMERA PLANTA  
Armadura transversal superior  
Norma: N-25 Control Normal  
AH-500 Control Normal  
Escala: 1:50



Elemento	Pos.	Diam.	No.	Long. (m)	Total (m)	AH-500CN (kg)
Armadura transversal superior	1	Ø10	964	0.68	654	654
	2	Ø10	10	0.01	10	10
	3	Ø10	10	0.01	10	10
	4	Ø10	10	0.01	10	10
	5	Ø10	10	0.01	10	10
	6	Ø10	10	0.01	10	10
	7	Ø10	10	0.01	10	10
	8	Ø10	10	0.01	10	10
	9	Ø10	10	0.01	10	10
	10	Ø10	10	0.01	10	10
	11	Ø10	10	0.01	10	10
	12	Ø10	10	0.01	10	10
	13	Ø10	10	0.01	10	10
	14	Ø10	10	0.01	10	10
	15	Ø10	10	0.01	10	10
	16	Ø10	10	0.01	10	10
	17	Ø10	10	0.01	10	10
	18	Ø10	10	0.01	10	10
	19	Ø10	10	0.01	10	10
	20	Ø10	10	0.01	10	10
	21	Ø10	10	0.01	10	10
	22	Ø10	10	0.01	10	10
	23	Ø10	10	0.01	10	10
	24	Ø10	10	0.01	10	10
	25	Ø10	10	0.01	10	10
	26	Ø10	10	0.01	10	10
	27	Ø10	10	0.01	10	10
	28	Ø10	10	0.01	10	10
	29	Ø10	10	0.01	10	10
	30	Ø10	10	0.01	10	10
	31	Ø10	10	0.01	10	10
	32	Ø10	10	0.01	10	10
	33	Ø10	10	0.01	10	10
	34	Ø10	10	0.01	10	10
	35	Ø10	10	0.01	10	10
	36	Ø10	10	0.01	10	10
	37	Ø10	10	0.01	10	10
	38	Ø10	10	0.01	10	10
	39	Ø10	10	0.01	10	10
	40	Ø10	10	0.01	10	10
	41	Ø10	10	0.01	10	10
	42	Ø10	10	0.01	10	10
	43	Ø10	10	0.01	10	10
	44	Ø10	10	0.01	10	10
	45	Ø10	10	0.01	10	10
	46	Ø10	10	0.01	10	10
	47	Ø10	10	0.01	10	10
	48	Ø10	10	0.01	10	10
	49	Ø10	10	0.01	10	10
	50	Ø10	10	0.01	10	10
	51	Ø10	10	0.01	10	10
	52	Ø10	10	0.01	10	10
	53	Ø10	10	0.01	10	10
	54	Ø10	10	0.01	10	10
	55	Ø10	10	0.01	10	10
	56	Ø10	10	0.01	10	10
	57	Ø10	10	0.01	10	10
	58	Ø10	10	0.01	10	10
	59	Ø10	10	0.01	10	10
	60	Ø10	10	0.01	10	10
	61	Ø10	10	0.01	10	10
	62	Ø10	10	0.01	10	10
	63	Ø10	10	0.01	10	10
	64	Ø10	10	0.01	10	10
	65	Ø10	10	0.01	10	10
	66	Ø10	10	0.01	10	10
	67	Ø10	10	0.01	10	10
	68	Ø10	10	0.01	10	10
	69	Ø10	10	0.01	10	10
	70	Ø10	10	0.01	10	10
	71	Ø10	10	0.01	10	10
	72	Ø10	10	0.01	10	10
	73	Ø10	10	0.01	10	10
	74	Ø10	10	0.01	10	10
	75	Ø10	10	0.01	10	10
	76	Ø10	10	0.01	10	10
	77	Ø10	10	0.01	10	10
	78	Ø10	10	0.01	10	10
	79	Ø10	10	0.01	10	10
	80	Ø10	10	0.01	10	10
	81	Ø10	10	0.01	10	10
	82	Ø10	10	0.01	10	10
	83	Ø10	10	0.01	10	10
	84	Ø10	10	0.01	10	10
	85	Ø10	10	0.01	10	10
	86	Ø10	10	0.01	10	10
	87	Ø10	10	0.01	10	10
	88	Ø10	10	0.01	10	10
	89	Ø10	10	0.01	10	10
	90	Ø10	10	0.01	10	10
	91	Ø10	10	0.01	10	10
	92	Ø10	10	0.01	10	10
	93	Ø10	10	0.01	10	10
	94	Ø10	10	0.01	10	10
	95	Ø10	10	0.01	10	10
	96	Ø10	10	0.01	10	10
	97	Ø10	10	0.01	10	10
	98	Ø10	10	0.01	10	10
	99	Ø10	10	0.01	10	10
	100	Ø10	10	0.01	10	10
	101	Ø10	10	0.01	10	10
	102	Ø10	10	0.01	10	10
	103	Ø10	10	0.01	10	10
	104	Ø10	10	0.01	10	10
	105	Ø10	10	0.01	10	10
	106	Ø10	10	0.01	10	10
	107	Ø10	10	0.01	10	10
	108	Ø10	10	0.01	10	10
	109	Ø10	10	0.01	10	10
	110	Ø10	10	0.01	10	10
	111	Ø10	10	0.01	10	10
	112	Ø10	10	0.01	10	10
	113	Ø10	10	0.01	10	10
	114	Ø10	10	0.01	10	10
	115	Ø10	10	0.01	10	10
	116	Ø10	10	0.01	10	10
	117	Ø10	10	0.01	10	10
	118	Ø10	10	0.01	10	10
	119	Ø10	10	0.01	10	10
	120	Ø10	10	0.01	10	10
	121	Ø10	10	0.01	10	10
	122	Ø10	10	0.01	10	10
	123	Ø10	10	0.01	10	10
	124	Ø10	10	0.01	10	10
	125	Ø10	10	0.01	10	10
	126	Ø10	10	0.01	10	10
	127	Ø10	10	0.01	10	10
	128	Ø10	10	0.01	10	10
	129	Ø10	10	0.01	10	10
	130	Ø10	10	0.01	10	10
	131	Ø10	10	0.01	10	10
	132	Ø10	10	0.01	10	10
	133	Ø10	10	0.01	10	10
	134	Ø10	10	0.01	10	10
	135	Ø10	10	0.01	10	10
	136	Ø10	10	0.01	10	10
	137	Ø10	10	0.01	10	10
	138	Ø10	10	0.01	10	10
	139	Ø10	10	0.01	10	10
	140	Ø10	10	0.01	10	10
	141	Ø10	10	0.01	10	10
	142	Ø10	10	0.01	10	10
	143	Ø10	10	0.01	10	10
	144	Ø10	10	0.01	10	10
	145	Ø10	10	0.01	10	10
	146	Ø10	10	0.01	10	10
	147	Ø10	10	0.01	10	10
	148	Ø10	10	0.01	10	10
	149	Ø10	10	0.01	10	10
	150	Ø10	10	0.01	10	10
	151	Ø10	10	0.01	10	10
	152	Ø10	10	0.01	10	10
	153	Ø10	10	0.01	10	10
	154	Ø10	10	0.01	10	10
	155	Ø10	10	0.01	10	10
	156	Ø10	10	0.01	10	10
	157	Ø10	10	0.01	10	10
	158	Ø10	10	0.01	10	10
	159	Ø10	10	0.01	10	10
	160	Ø10	10	0.01	10	10
	161	Ø10	10	0.01	10	10
	162	Ø10	10	0.01	10	10
	163	Ø10	10	0.01	10	10
	164	Ø10	10	0.01	10	10
	165	Ø10	10	0.01	10	10
	166	Ø10	10	0.01	10	10
	167	Ø10	10	0.01	10	10
	168	Ø10	10	0.01	10	10
	169	Ø10	10	0.01	10	10
	170	Ø10	10	0.01	10	10
	171	Ø10	10	0.01	10	10
	172	Ø10	10	0.01	10	10
	173	Ø10	10	0.01	10	10
	174	Ø10	10	0.01	10	10
	175	Ø10	10	0.01	10	10
	176	Ø10	10	0.01	10	10
	177	Ø10	10	0.01	10	10
	178	Ø10	10	0.01	10	10
	179	Ø10	10	0.01	10	10
	180	Ø10	10	0.01	10	10
	181	Ø10	10	0.01	10	10
	182	Ø10	10	0.01	10	10
	183	Ø10	10	0.01	10	10
	184	Ø10	10	0.01	10	10
	185	Ø10	10	0.01	10	10
	186	Ø10	10	0.01	10	10
	187	Ø10	10	0.01	10	10
	188	Ø10	10	0.01	10	10
	189	Ø10	10	0.01	10	10
	190	Ø10	10	0.01	10	10
	191	Ø10	10	0.01	10	10
	192	Ø10	10	0.01	10	10
	193	Ø10	10	0.01	10	10
	194	Ø10	10	0.01	10	10
	195	Ø10	10	0.01	10	10
	196	Ø10	10	0.01	10	10
	197	Ø10	10	0.01	10	10
	198	Ø10	10	0.01	10	10
	199	Ø10	10	0.01	10	10
	200	Ø10	10	0.01	10	10
	201	Ø10	10	0.01	10	10
	202	Ø10	10	0.01	10	10
	203	Ø10	10	0.01	10	10
	204	Ø10	10	0.01	10	10
	205	Ø10	10	0.01	10	10
	206	Ø10	10	0.01	10	10
	207	Ø10	10	0.01	10	10
	208	Ø10	10	0.01	10	10
	209	Ø10	10	0.01	10	10
	210	Ø10	10	0.01	10	10
	211	Ø10	10	0.01	10	10
	212	Ø10	10	0.01	10	10
	213	Ø10	10	0.01	10	10
	214	Ø10	10	0.01	10	10
	215	Ø10	10			



C1=C8=C11=C12=C15  
 C22=C23=C29=C32  
 C33=C36=C42=C43  
 C49=C54=C60=C61  
 C70=C76=C85=C86  
 C92=C93=C94=C96  
 C98=C99=C101=C102  
 C103=C104=C105=C106  
 C107=C108

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 35 (kg)
1	Ø12	4	270	1080	3780
2	Ø12	4	130	520	1820
3	Ø6	11	116	1276	4466

Columnas que terminan en PLANTA BAJA  
 Hormigón: H-25 , Control Normal  
 Acero: AH-500 , Control Normal  
 Escala: 1:100

C3=C9=C14=C20=C71  
 C75=C77

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 7 (kg)
7	Ø12	6	265	1590	11130
8	Ø12	6	129	774	5418
9	Ø6	11	116	1276	8932

C4=C5=C7=C16=C18=C19  
 C24=C25=C26=C27=C28  
 C30=C35=C37=C38=C39  
 C40=C41=C44=C45=C46  
 C47=C48=C50=C51=C52  
 C53=C55=C56=C57=C58  
 C59=C63=C64=C65=C66  
 C67=C68=C72=C74=C78  
 C79=C80=C81=C82=C83  
 C88=C90

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 48 (kg)
10	Ø12	4	265	1060	50880
11	Ø12	4	135	540	25920
12	Ø6	11	116	1276	61248

C1=C23=C42=C43=C60  
 C61=C85

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 7 (kg)
1	Ø12	4	370	1480	10360
2	Ø6	23	116	2668	18676

Columnas que terminan en SEGUNDA PLANTA  
 Hormigón: H-25 , Control Normal  
 Acero: AH-500 , Control Normal  
 Escala: 1:100

C3=C20

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 2 (kg)
5	Ø12	6	360	2160	4320
6	Ø6	23	116	2668	5336

C4=C6=C10=C13=C17=C19=C24  
 C26=C27=C28=C30=C31=C34  
 C35=C37=C38=C39=C41=C44  
 C45=C46=C47=C48=C50=C51  
 C53=C55=C56=C57=C58=C59  
 C62=C63=C64=C65=C66=C67  
 C68=C69=C74=C78=C79=C80  
 C81=C82=C83=C84=C87=C88  
 C90=C91=C94=C95=C97=C98

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 55 (kg)
7	Ø12	4	365	1460	80300
8	Ø6	23	116	2668	146740

C11=C12=C29=C32  
 C33=C36=C49=C54  
 C70=C76=C86=C89  
 C92=C93=C96=C99  
 C101=C102=C103=C104  
 C105=C106=C107=C108

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 24 (kg)
17	Ø12	4	365	1460	35040
18	Ø6	23	116	2668	64032

C2=C21

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 2 (cm)
4	Ø12	6	265	1590	3180
5	Ø12	6	135	810	1620
6	Ø6	11	116	1276	2552

C4=C5=C7=C16=C18=C19  
 C24=C25=C26=C27=C28  
 C30=C35=C37=C38=C39  
 C40=C41=C44=C45=C46  
 C47=C48=C50=C51=C52  
 C53=C55=C56=C57=C58  
 C59=C63=C64=C65=C66  
 C67=C68=C72=C74=C78  
 C79=C80=C81=C82=C83  
 C88=C90

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 48 (cm)
10	Ø12	4	265	1060	50880
11	Ø12	4	135	540	25920
12	Ø6	11	116	1276	61248

C3=C9=C14=C20=C71  
 C75=C77

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 7 (cm)
7	Ø12	6	265	1590	11130
8	Ø12	6	129	774	5418
9	Ø6	11	116	1276	8932

C1=C23=C42=C43=C60  
 C61=C85

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 7 (cm)
1	Ø12	4	370	1480	10360
2	Ø6	23	116	2668	18676

Columnas que terminan en PLANTA BAJA  
 Hormigón: H-25 , Control Normal  
 Acero: AH-500 , Control Normal  
 Escala: 1:100

C2=C21

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 2 (cm)
3	Ø12	6	360	2160	4320
4	Ø6	23	116	2668	5336

C5=C18

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 2 (cm)
9	Ø12	4	360	1440	2880
10	Ø6	23	116	2668	5336

C8=C15

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 2 (cm)
13	Ø12	4	360	1440	2880
14	Ø6	23	116	2668	5336

C11=C12=C29=C32  
 C33=C36=C49=C54  
 C70=C76=C86=C89  
 C92=C93=C96=C99  
 C101=C102=C103=C104  
 C105=C106=C107=C108

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 24 (cm)
17	Ø12	4	365	1460	35040
18	Ø6	23	116	2668	64032

C2=C21

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 2 (cm)
4	Ø12	6	265	1590	3180
5	Ø12	6	135	810	1620
6	Ø6	11	116	1276	2552

C73

Pos.	Díam.	No.	Long. (cm)	Total (cm)	Total (kg)
16	Ø12	4	265	1060	9.4
17	Ø12	4	140	560	5.0
18	Ø6	11	116	1276	2.8

C6=C10=C13=C17=C31  
 C34=C62=C69=C84  
 C95=C97

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 11 (cm)
13	Ø12	4	265	1060	11660
14	Ø12	4	129	516	5676
15	Ø6	11	116	1276	14038

C87=C89=C91

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 3 (cm)
19	Ø12	4	270	1080	3240
20	Ø12	4	134	536	1608
21	Ø6	11	116	1276	3828

C7=C16=C25=C40

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 4 (cm)
11	Ø12	4	360	1440	5760
12	Ø6	23	116	2668	10672

C9=C14=C71=C75=C77

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 5 (cm)
15	Ø12	6	365	2190	10950
16	Ø6	23	116	2668	13340

C22

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 2 (cm)
19	Ø12	4	370	1480	2960
20	Ø6	23	116	2668	5336

C52

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 2 (cm)
21	Ø12	4	370	1480	2960
22	Ø6	23	116	2668	5336

Elemento Pos. Díam. No. Long. (cm) Total (cm) AH-500CN (kg)

Elemento	Pos.	Díam.	No.	Long. (cm)	Total (cm)	AH-500CN (kg)
C1=C8=C11=C12=C15=C22 C23=C29=C32=C36=C42 C43=C49=C54=C60=C61=C85 C70=C76=C85=C86 C92=C93=C94=C96 C98=C99=C101=C102 C103=C104=C105=C106=C107=C108	1	Ø12	4	270	1080	9.6
	2	Ø12	4	130	520	4.6
	3	Ø6	11	116	1276	2.8

Elemento Pos. Díam. No. Long. (cm) Total (cm) AH-500CN (kg)

Elemento	Pos.	Díam.	No.	Long. (cm)	Total (cm)	AH-500CN (kg)
C2=C21	4	Ø12	6	265	1590	14.1
	5	Ø12	6	135	810	7.2
	6	Ø6	11	116	1276	2.8

Elemento Pos. Díam. No. Long. (cm) Total (cm) AH-500CN (kg)

Elemento	Pos.	Díam.	No.	Long. (cm)	Total (cm)	AH-500CN (kg)
C3=C9=C14=C20=C71 C75=C77	7	Ø12	6	265	1590	18.1
	8	Ø12	6	129	774	8.9
	9	Ø6	11	116	1276	2.8

Elemento Pos. Díam. No. Long. (cm) Total (cm) AH-500CN (kg)

Elemento	Pos.	Díam.	No.	Long. (cm)	Total (cm)	AH-500CN (kg)
C4=C5=C7=C16=C18=C19 C24=C25=C26=C27=C28 C30=C35=C37=C38=C39 C40=C41=C44=C45=C46 C47=C48=C50=C51=C52 C53=C55=C56=C57=C58 C59=C63=C64=C65=C66 C67=C68=C72=C74=C78 C79=C80=C81=C82=C83 C88=C90	10	Ø12	4	265	1060	9.4
	11	Ø12	4	135	540	4.6
	12	Ø6	11	116	1276	2.8

Elemento Pos. Díam. No. Long. (cm) Total (cm) AH-500CN (kg)

Elemento	Pos.	Díam.	No.	Long. (cm)	Total (cm)	AH-500CN (kg)
C73	16	Ø12	4	265	1060	9.4
	17	Ø12	4	140	560	5.0
	18	Ø6	11	116	1276	2.8

Elemento Pos. Díam. No. Long. (cm) Total (cm) AH-500CN (kg)

Elemento	Pos.	Díam.	No.	Long. (cm)	Total (cm)	AH-500CN (kg)
C87=C89=C91	19	Ø12	4	270	1080	9.6
	20	Ø12	4	134	536	4.8
	21	Ø6	11	116	1276	2.8

Elemento Pos. Díam. No. Long. (cm) Total (cm) AH-500CN (kg)

Elemento	Pos.	Díam.	No.	Long. (cm)	Total (cm)	AH-500CN (kg)
C1=C23=C42=C43=C60 C61=C85	1	Ø12	4	370	1480	13.1
	2	Ø6	23	116	2668	5.9

Elemento Pos. Díam. No. Long. (cm) Total (cm) AH-500CN (kg)

Elemento	Pos.	Díam.	No.	Long. (cm)	Total (cm)	AH-500CN (kg)
C2=C21	3	Ø12	6	360	2160	19.2
	4	Ø6	23	116	2668	5.9

C1=C4=C6=C9=C10=C11=C12=C13  
 C14=C17=C19=C23=C24=C26=C27  
 C28=C30=C31=C32=C33=C34=C35  
 C37=C38=C39=C41=C42=C43=C44  
 C45=C46=C47=C48=C50=C51=C52  
 C53=C55=C56=C57=C58=C59  
 C61=C62=C63=C64=C65=C66=C67  
 C68=C69=C74=C77=C78=C79  
 C81=C82=C83=C84=C85=C86=C87  
 C88=C89=C90=C91=C92=C93=C94  
 C95=C96=C97=C98=C99

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 8 (cm)
1	Ø12	4	355	1420	11360
2	Ø6	23	116	2668	21344

Columnas que terminan en PRIMERA PLANTA  
 Hormigón: H-25 , Control Normal  
 Acero: AH-500 , Control Normal  
 Escala: 1:100

C2=C3=C9=C14=C20  
 C71=C75=C77

Pos.	Díam.	No.	Long. (cm)	Total (cm)	x 9 (cm)
3	Ø12	6	365	2190	19710
4	Ø6	23	116	2668	24012

C8=C11=C12=C15=C29  
 C32=C33=C36=C49  
 C54=C70=C76=C86  
 C89=C92=C93=C96  
 C99=C101=C102=C103  
 C104=C105=C106=C107  
 C108

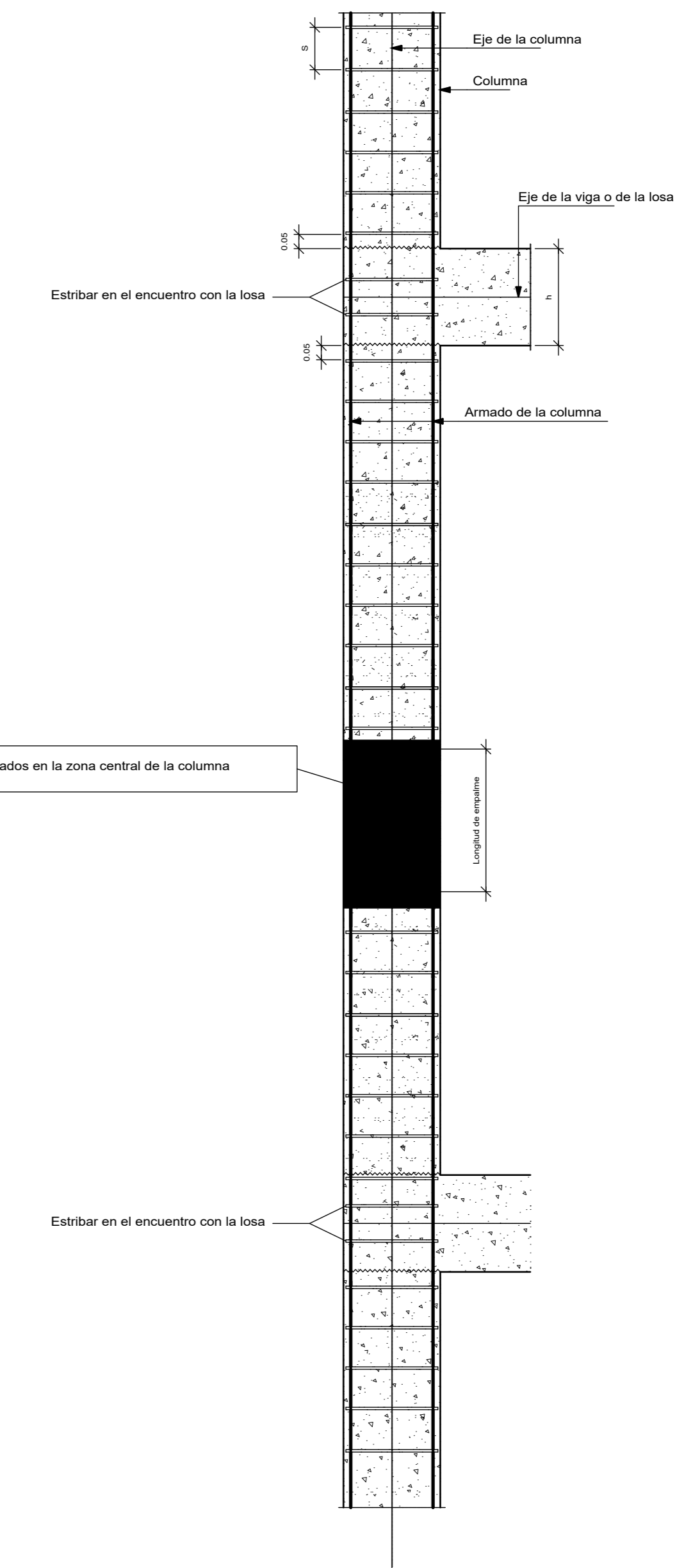
Pos.	Díam.
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C1=C23 C42=C43 C60=C61 C85	C2	C3=C20	C4=C19=C24=C26=C27=C28 C30=C35=C37=C38=C39 C41=C44=C45=C46=C47 C48=C50=C51=C53=C55 C56=C57=C58=C59=C63 C64=C65=C66=C67=C68 C74=C78=C79=C80=C81 C82=C83=C88=C90	C5	C6=C10=C13 C17=C31 C34=C62 C69=C84 C95=C97	C7=C16 C25=C40	C8=C15	C9=C14 C77	C11=C12 C32=C33 C86=C92 C93=C96 C99	C18	C21	C22	C29=C36=C49 C54=C70=C76 C101=C102 C103=C104 C105=C106 C107=C108	C52	C71=C75	C72	C73
25 4012 L=200 2306u/15	30 4012 L=205 2306u/15	25 4012 L=205 2306u/15	25 4012 L=200 2306u/15	25 4012 L=205 2306u/15	25 4012 L=200 2306u/15	25 4012 L=205 2306u/15	25 4012 L=205 2306u/15	25 4012 L=200 2306u/15	25 4012 L=200 2306u/15	30 4012 L=205 2306u/15	25 4012 L=205 2306u/15	25 4012 L=200 2306u/15	30 4012 L=200 2306u/15	25 4012 L=200 2306u/15	30 4012 L=200 2306u/15	25 4012 L=200 2306u/15	25 4012 L=200 2306u/15
30 4012 L=370 2306u/15	30 6012 L=360 2306u/15	30 6012 L=360 2306u/15	30 4012 L=365 2306u/15	30 4012 L=360 2306u/15	30 4012 L=365 2306u/15	30 4012 L=360 2306u/15	30 4012 L=360 2306u/15	30 6012 L=365 2306u/15	30 4012 L=365 2306u/15	30 4012 L=360 2306u/15	30 6012 L=360 2306u/15	30 4012 L=370 2306u/15	30 4012 L=365 2306u/15	30 4012 L=370 2306u/15	30 6012 L=365 2306u/15	30 4012 L=365 2306u/15	30 4012 L=365 2306u/15
30 4012 L=355 2306u/15	30 6012 L=365 2306u/15	30 6012 L=365 2306u/15	30 4012 L=365 2306u/15	30 4012 L=365 2306u/15	30 4012 L=365 2306u/15	30 4012 L=365 2306u/15	30 4012 L=365 2306u/15	30 6012 L=365 2306u/15	30 4012 L=365 2306u/15	30 4012 L=365 2306u/15	30 4012 L=365 2306u/15	30 4012 L=355 2306u/15	30 4012 L=365 2306u/15	30 4012 L=360 2306u/15	30 6012 L=365 2306u/15	30 4012 L=360 2306u/15	30 4012 L=365 2306u/15
30 4012 L=270 4012 L=130 1106u/15	30 6012 L=265 6012 L=135 1106u/15	30 6012 L=265 6012 L=129 1106u/15	30 4012 L=265 4012 L=135 1106u/15	30 4012 L=265 4012 L=135 1106u/15	30 4012 L=265 4012 L=129 1106u/15	30 4012 L=265 4012 L=134 1106u/15	30 4012 L=270 4012 L=129 1106u/15	30 4012 L=270 4012 L=130 1106u/15	30 4012 L=265 4012 L=135 1106u/15	30 4012 L=265 4012 L=135 1106u/15	30 4012 L=270 4012 L=130 1106u/15	30 4012 L=265 4012 L=135 1106u/15	30 4012 L=270 4012 L=129 1106u/15	30 4012 L=265 4012 L=135 1106u/15	30 6012 L=265 6012 L=130 1106u/15	30 4012 L=265 4012 L=134 1106u/15	30 4012 L=265 4012 L=140 1106u/15

AZOTEA  
SEGUNDA PLANTA  
PRIMERA PLANTA  
PLANTA BAJA  
Fundación

Detalle de estribado de columnas



Cuadro de columnas  
Hormigón: H-25 , Control Normal  
Acero: AH-500 , Control Normal  
Escala: 1:100

Resumen Acero Losas 1 a 4 Columnas	Long. total (m)	Peso+10% (kg)	Total
AH-500CN Ø6	9947.2	2428	
Ø12	5887.6	5750	8178

C87=C91	C89	C94=C98	
25 4012 L=200 2306u/15	25 4012 L=200 2306u/15	25 4012 L=200 2306u/15	AZOTEA
30 4012 L=365 2306u/15	30 4012 L=365 2306u/15	30 4012 L=365 2306u/15	SEGUNDA PLANTA
30 4012 L=360 2306u/15	30 4012 L=365 2306u/15	30 4012 L=360 2306u/15	PRIMERA PLANTA
30 4012 L=270 4012 L=134 1106u/15	30 4012 L=270 4012 L=135 1106u/15	30 4012 L=270 4012 L=130 1106u/15	PLANTA BAJA
			Fundación

UNIVERSIDAD AUTÓNOMA "JUAN MISAEL SARACHO"  
FACULTAD DE CIENCIAS Y TECNOLOGÍA  
CARRERA DE INGENIERÍA CIVIL

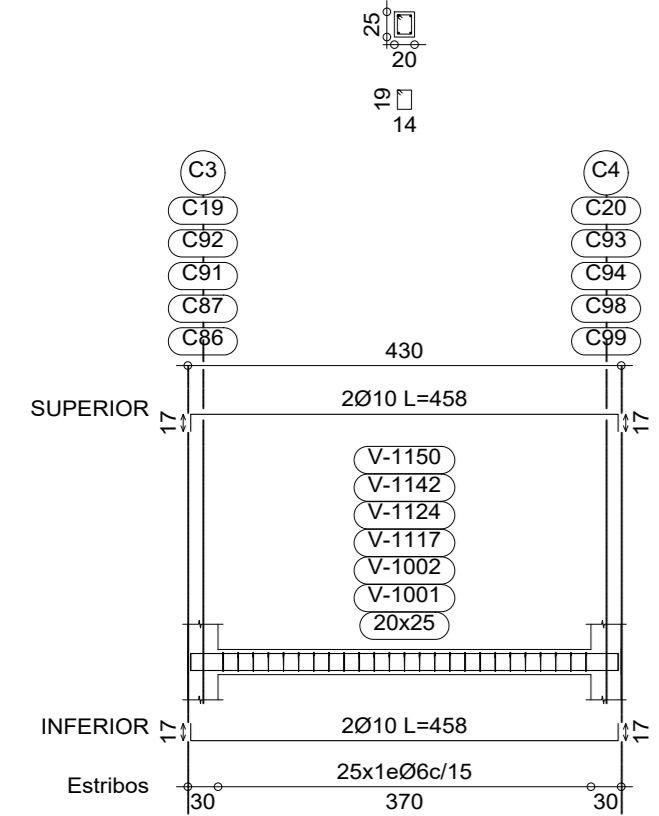
TÍTULO: CÁLCULO ESTRUCTURAL DEL "INTERNADO INSTITUTO MODELO NORMAL SUPERIOR DE CANASMOREO U.A.J.M.S."  
CONTENIDO: DETALLES DE PILARES Y ARMADURAS

UNIVERSITARIO: BLADIMIR ENRIQUE APARICIO MIRANDA  
ESCALA: INDICADAS  
LAMINA: 10/22

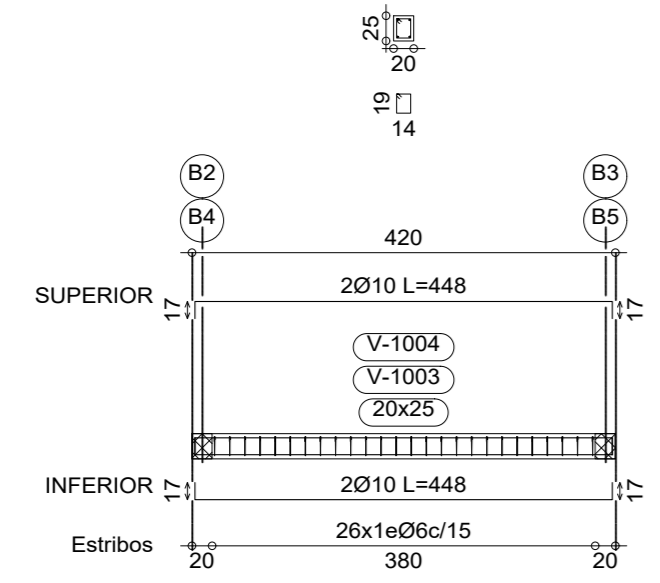
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FECHA: JUNIO DE 2023



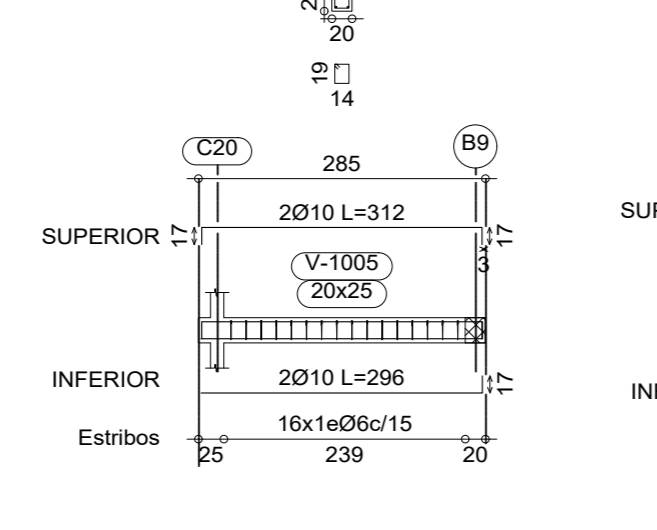
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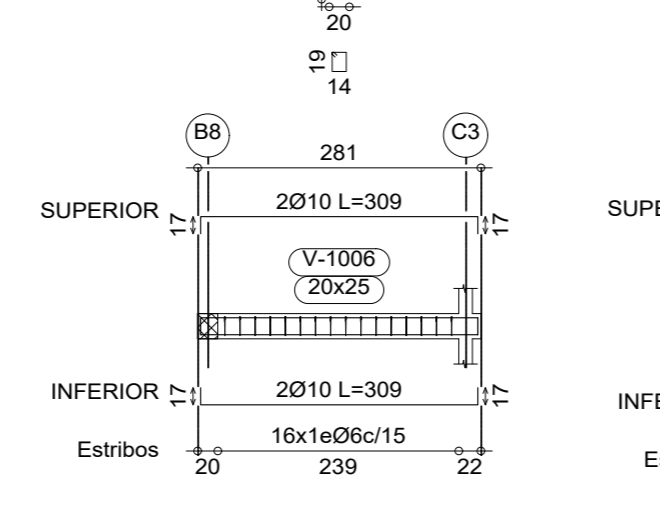
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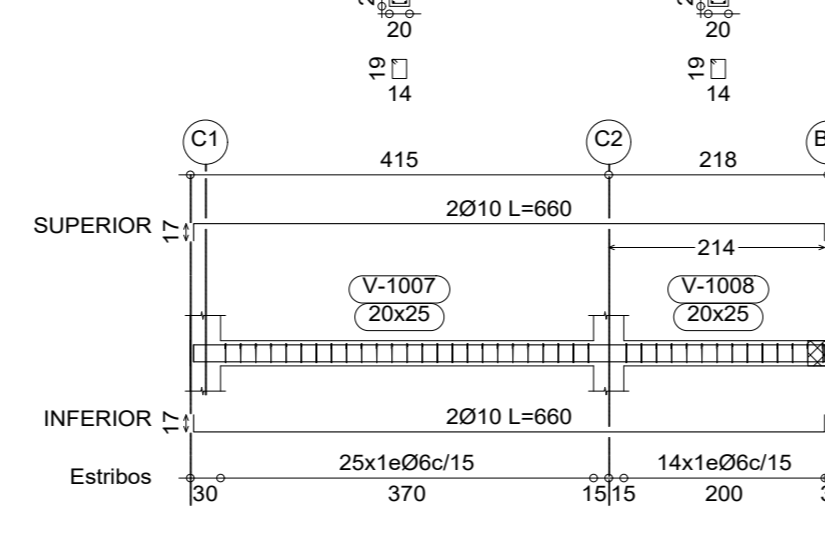
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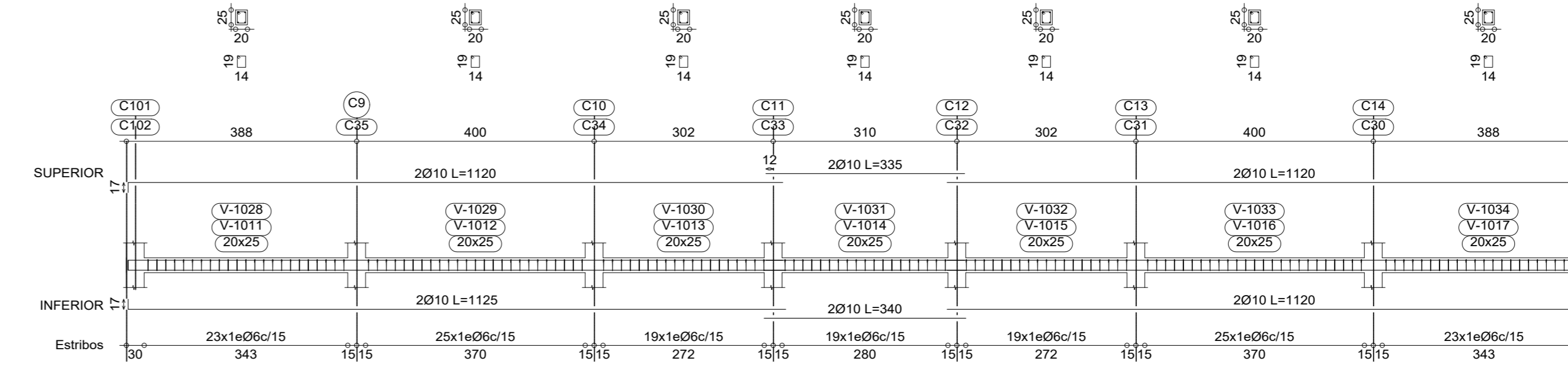
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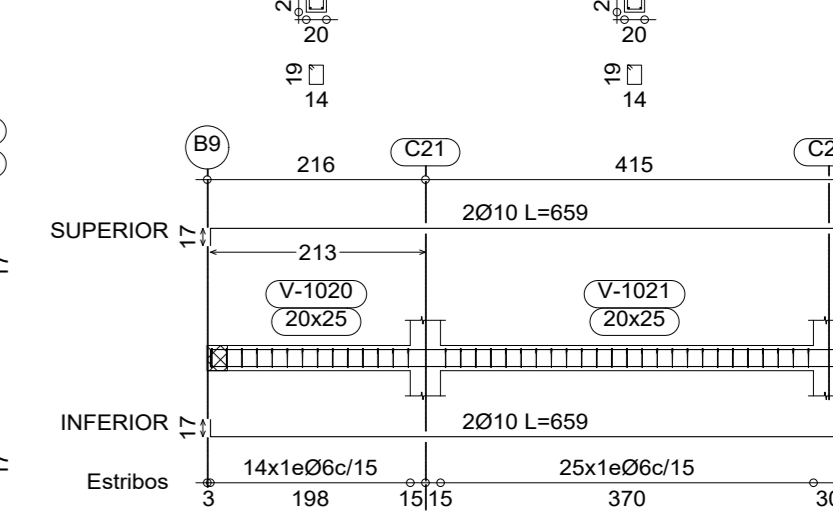
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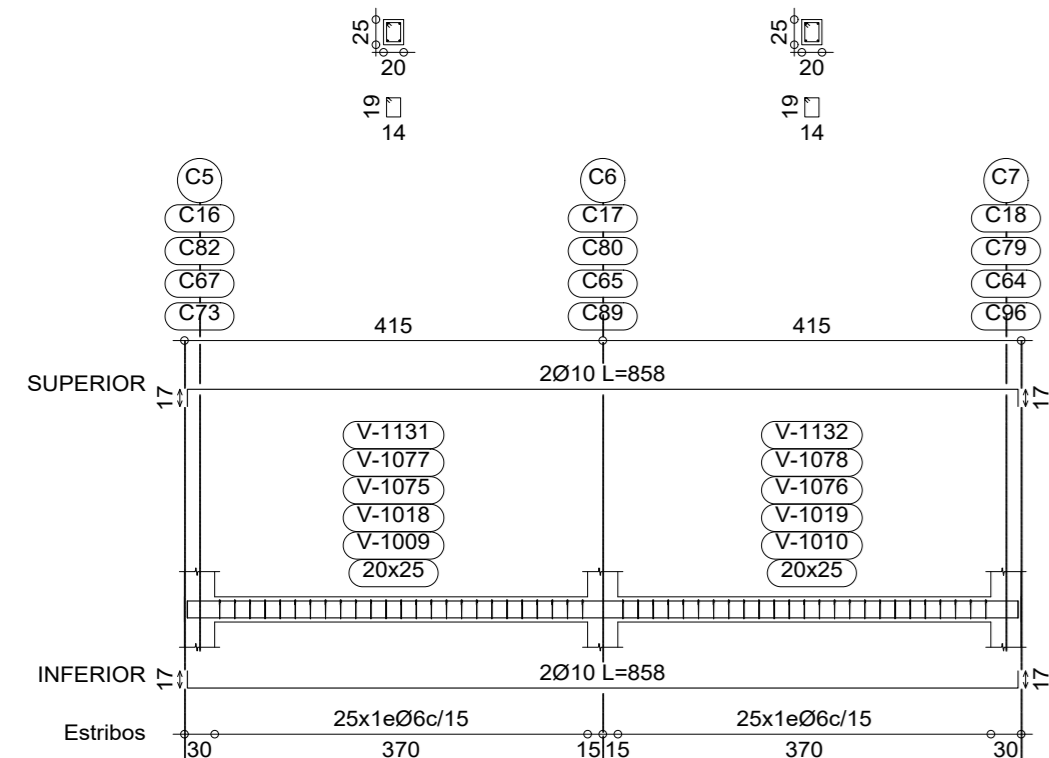


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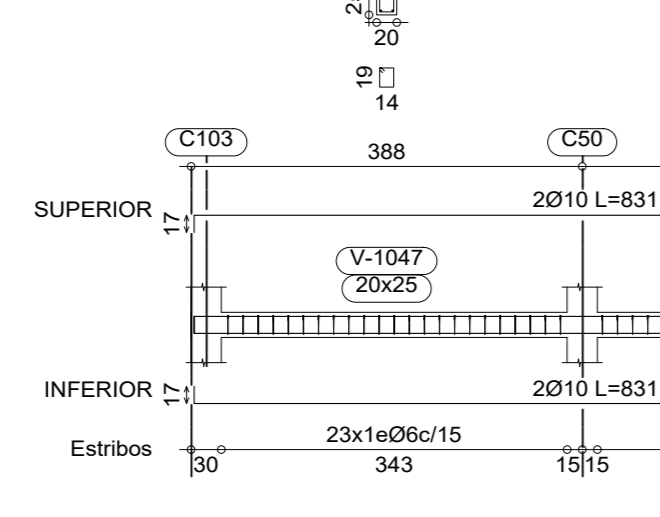


**PLANTA BAJA**  
Despliege de vigas  
Hormigón: H-25 Control Normal  
Acero: AH-500 Control Normal  
Escala: 1:75

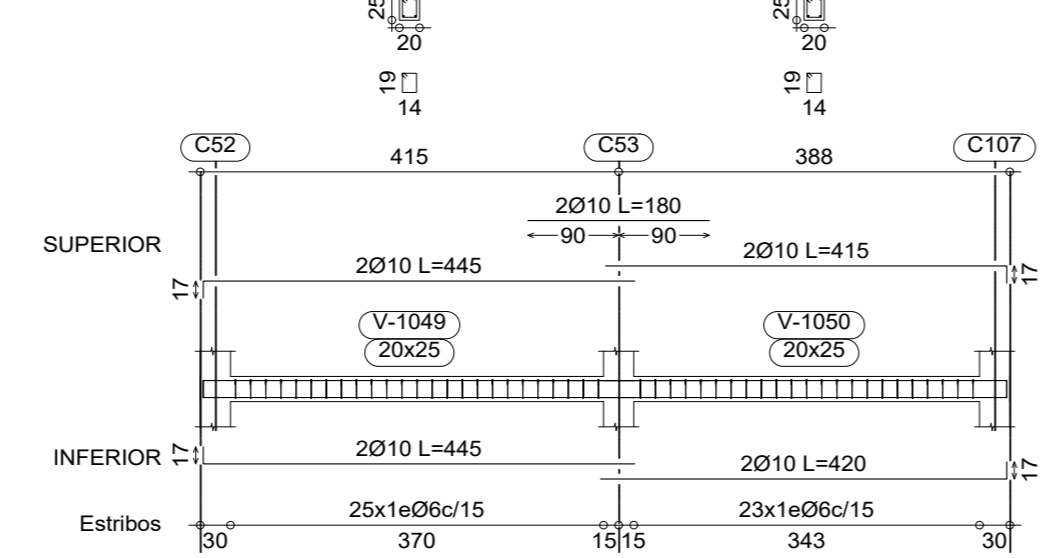
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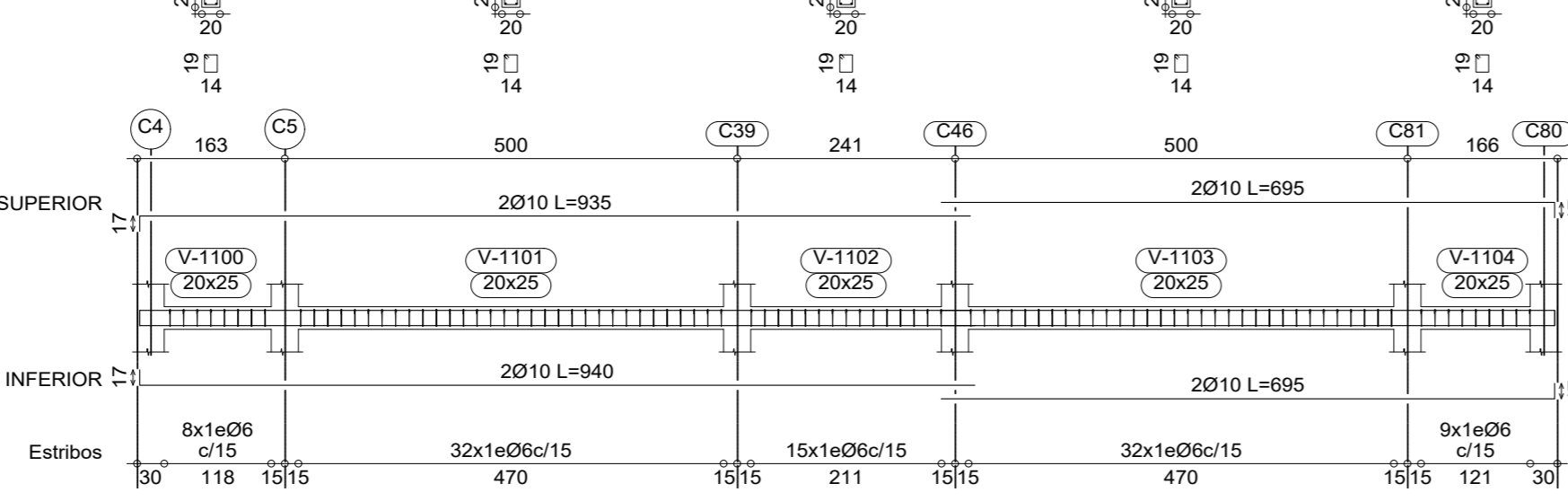


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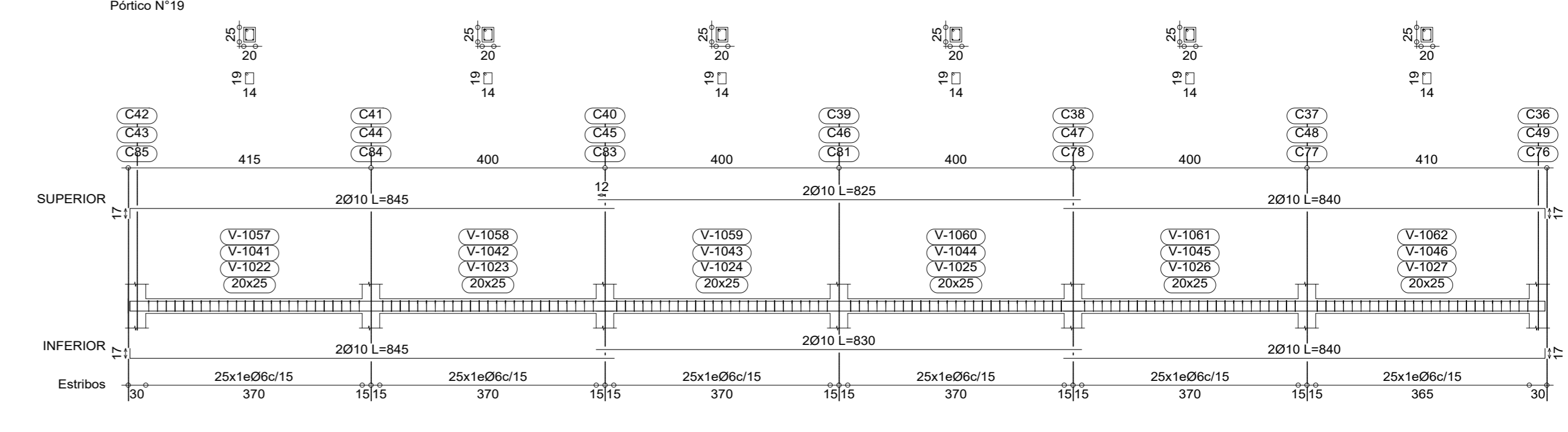


**PLANTA BAJA**  
Despliege de vigas  
Hormigón: H-25 Control Normal  
Acero: AH-500 Control Normal  
Escala: 1:75

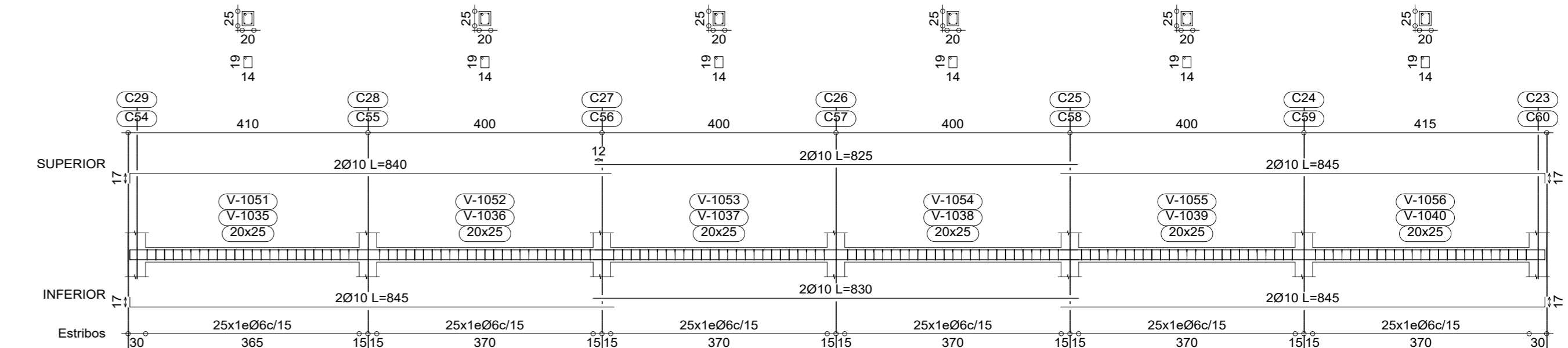
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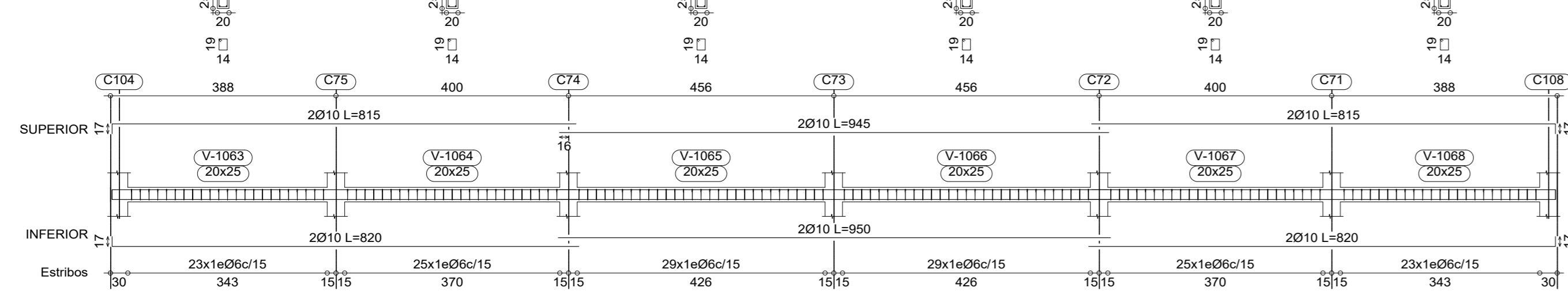
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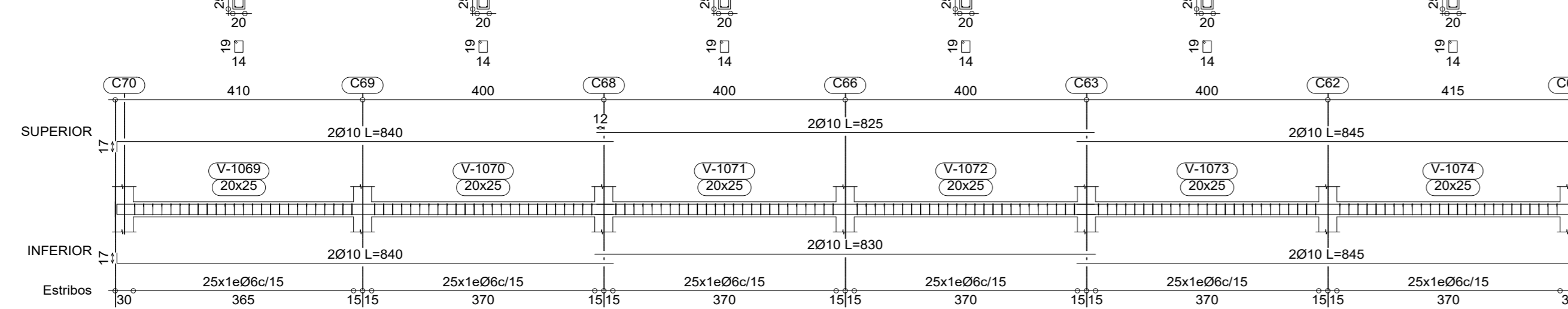
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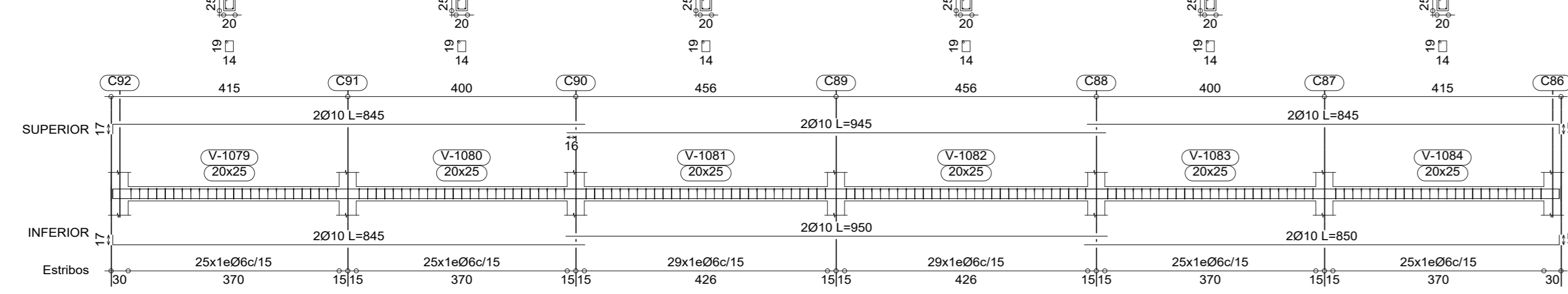
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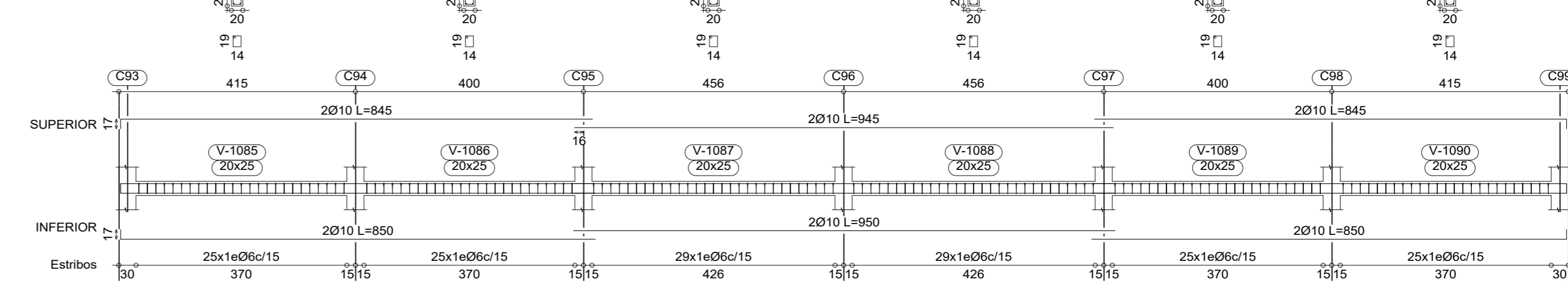


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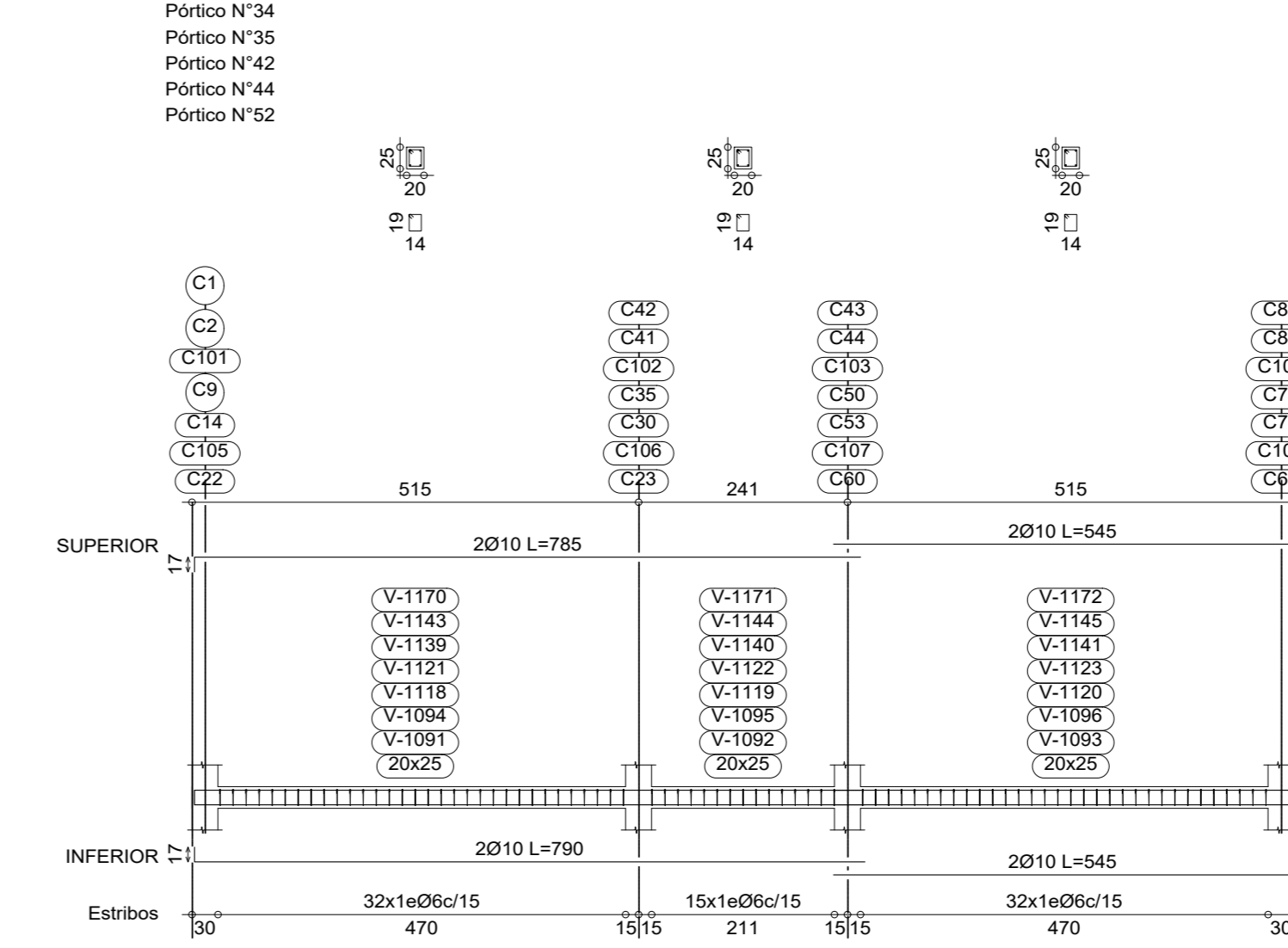


**PLANTA BAJA**  
Despliege de vigas  
Hormigón: H-25 Control Normal  
Acero: AH-500 Control Normal  
Escala: 1:75

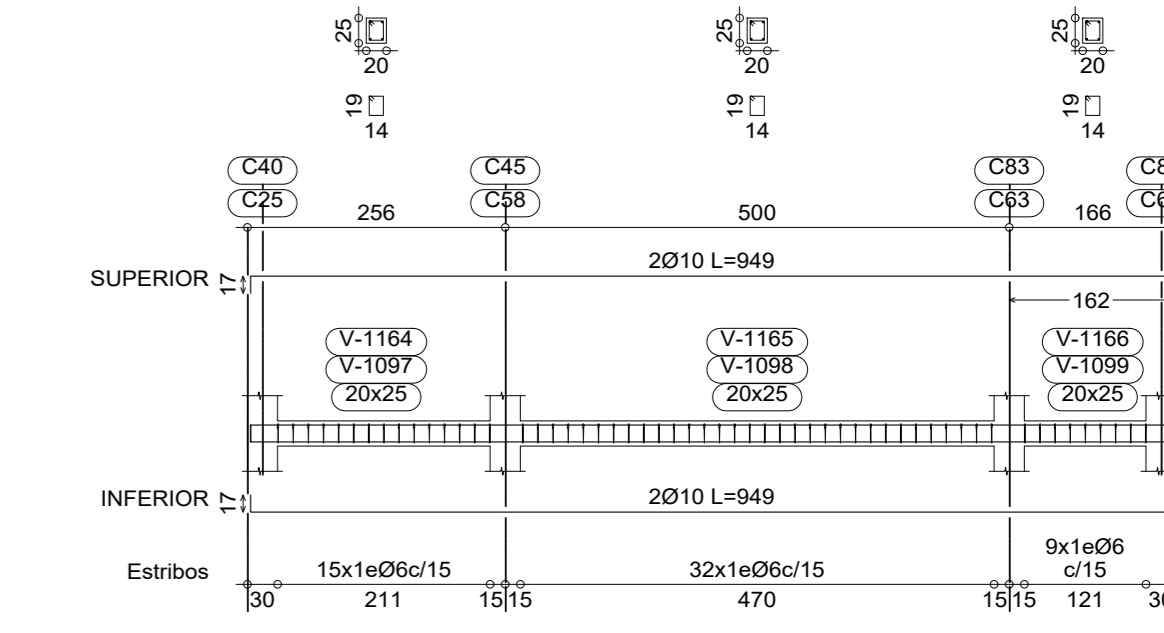
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Pórtico N°52



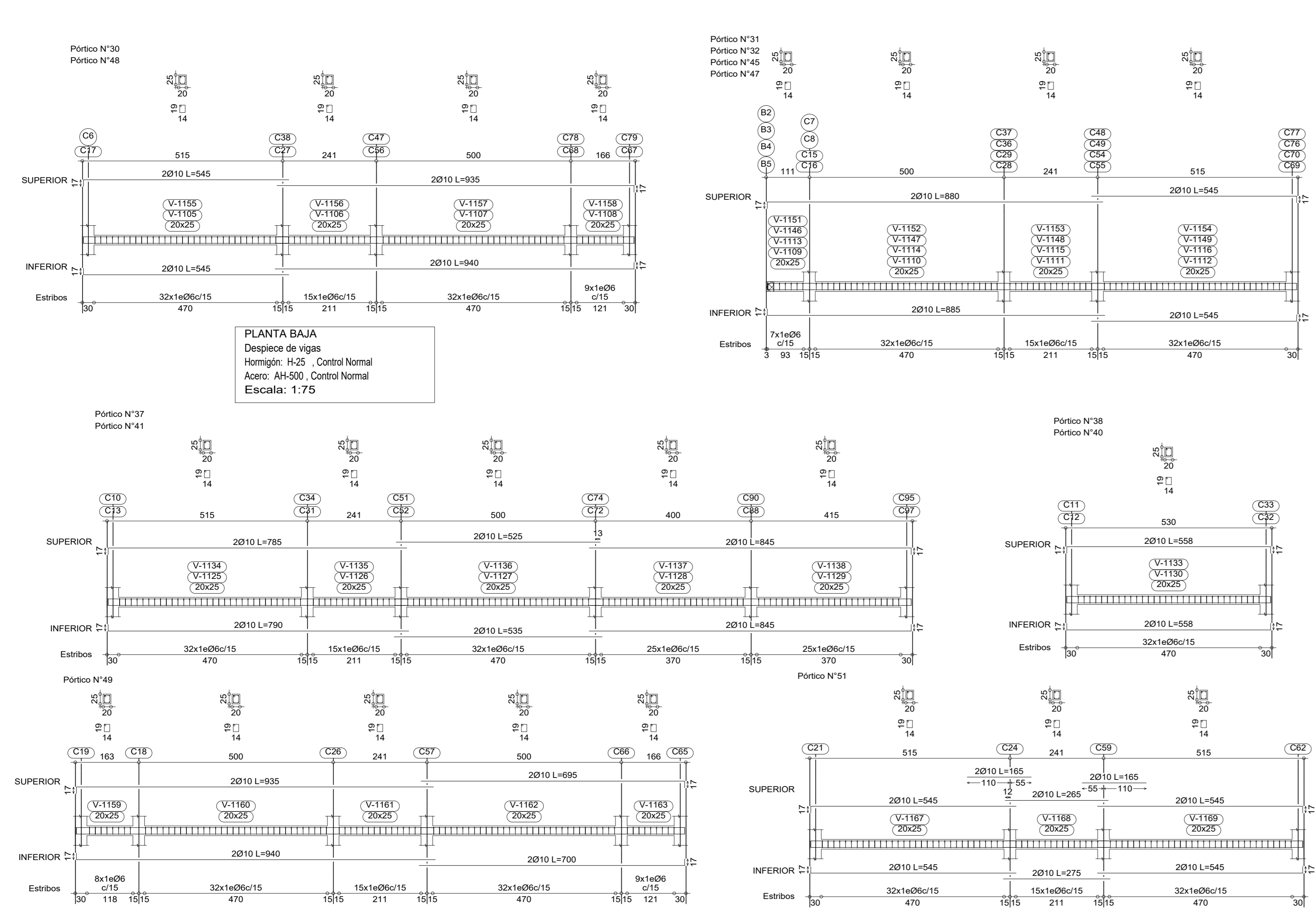
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Pórtico N°30



**PLANTA BAJA**  
Despliege de vigas  
Hormigón: H-25 Control Normal  
Acero: AH-500 Control Normal  
Escala: 1:75

<p>UNIVERSIDAD AUTÓNOMA "JUAN MISAEL SARACHO" FACULTAD DE CIENCIAS Y TECNOLOGÍA CARRERA DE INGENIERÍA CIVIL</p>	
TÍTULO:	CONTENIDO:
CÁLCULO ESTRUCTURAL DEL "INTERNADO INSTITUTO MODELO NORMAL SUPERIOR DE CANAMORO U.A.J.M.S."	DETALLE DEL ARMADO DE VIGAS
UNIVERSITARIO:	ESCALA: LAMINA:
BLADIMIR ENRIQUE APARICIO MIRANDA	INDICADAS
VoBo	FECHA: JUNIO DE 2023
11/22	



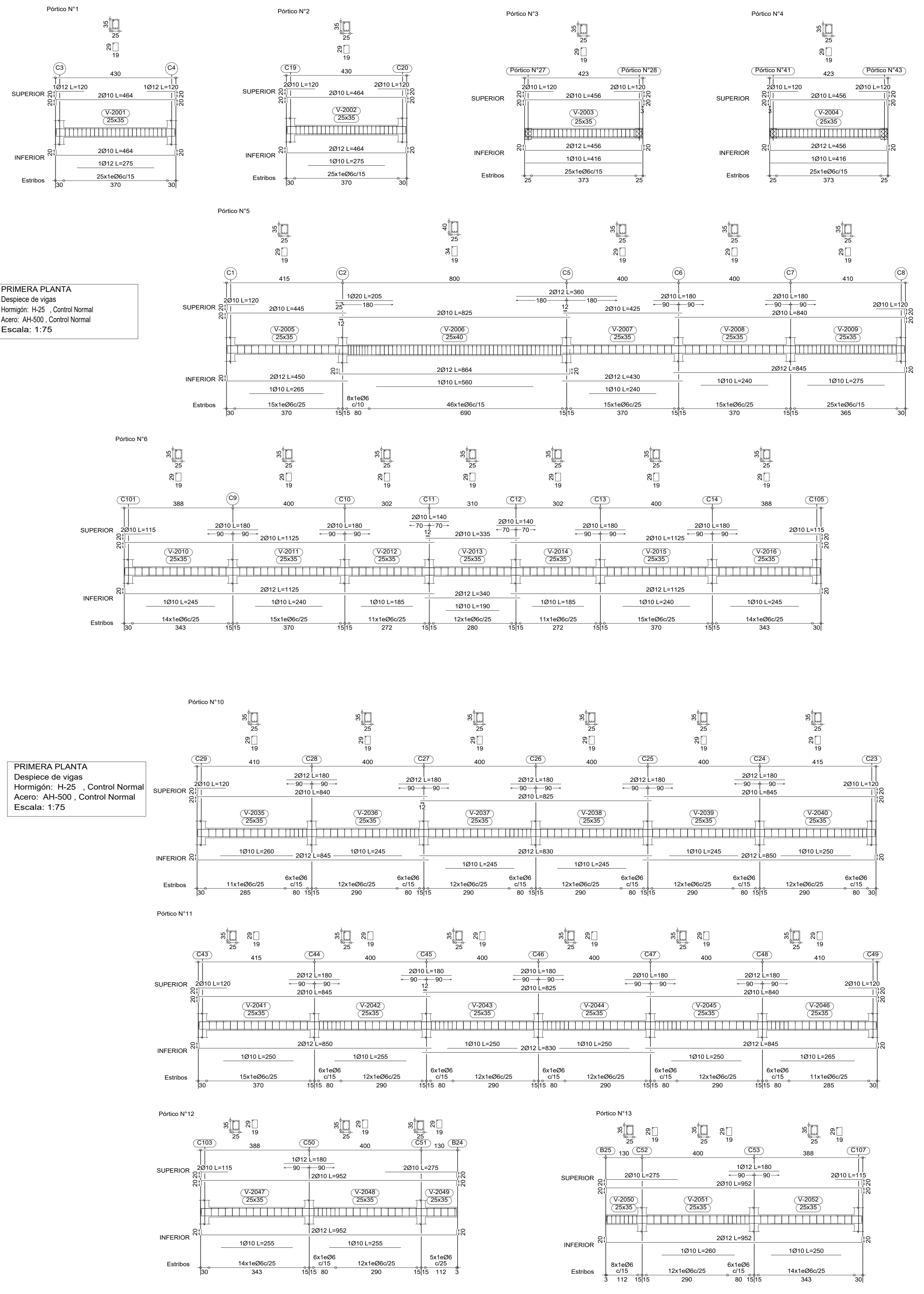


**PLANTA BAJA**  
Despiece de vigas  
Hormigón: H-25, Control Normal  
Acero: AH-500, Control Normal  
Escala: 1:75

**PRIMERA PLANTA**  
Despiece de vigas  
Hormigón: H-25, Control Normal  
Acero: AH-500, Control Normal  
Escala: 1:75

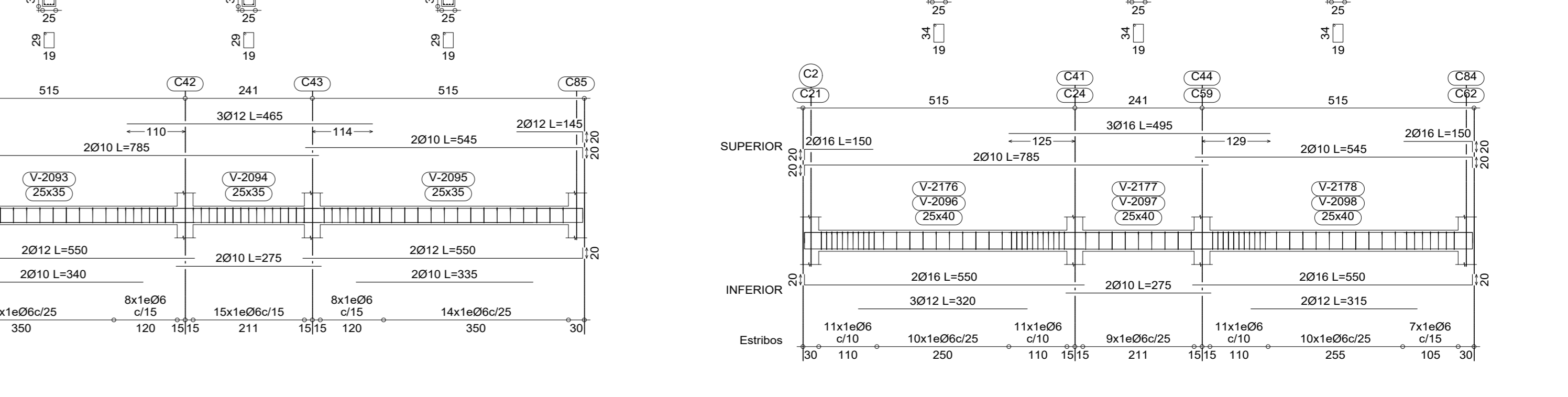
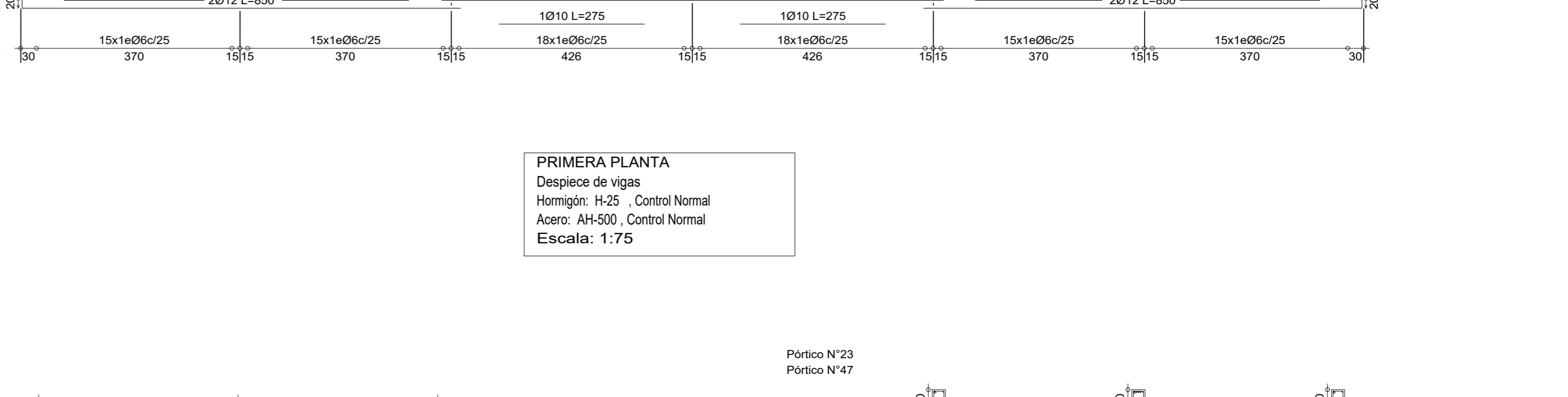
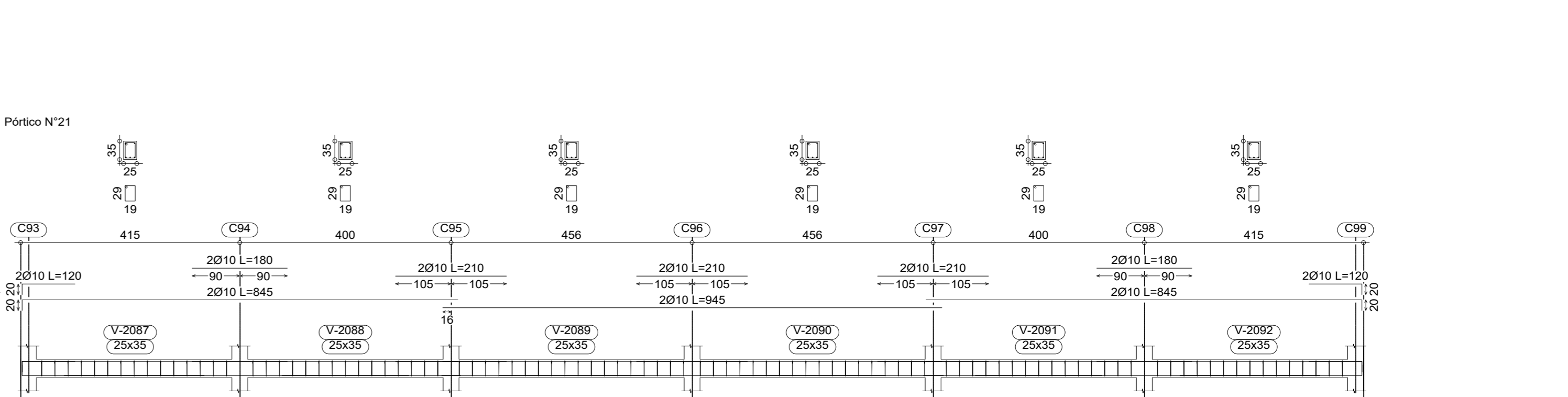
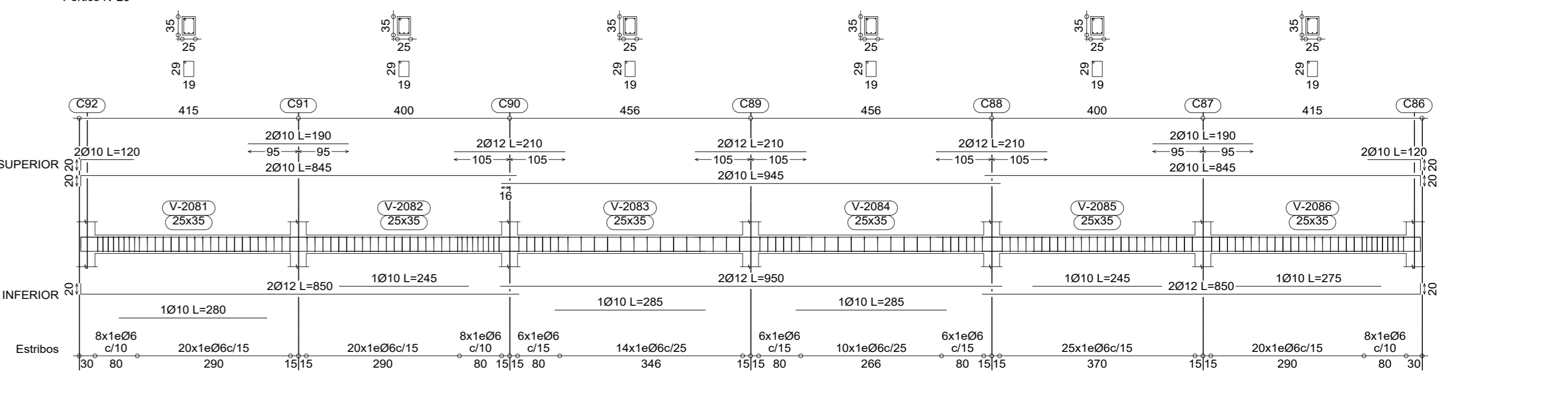
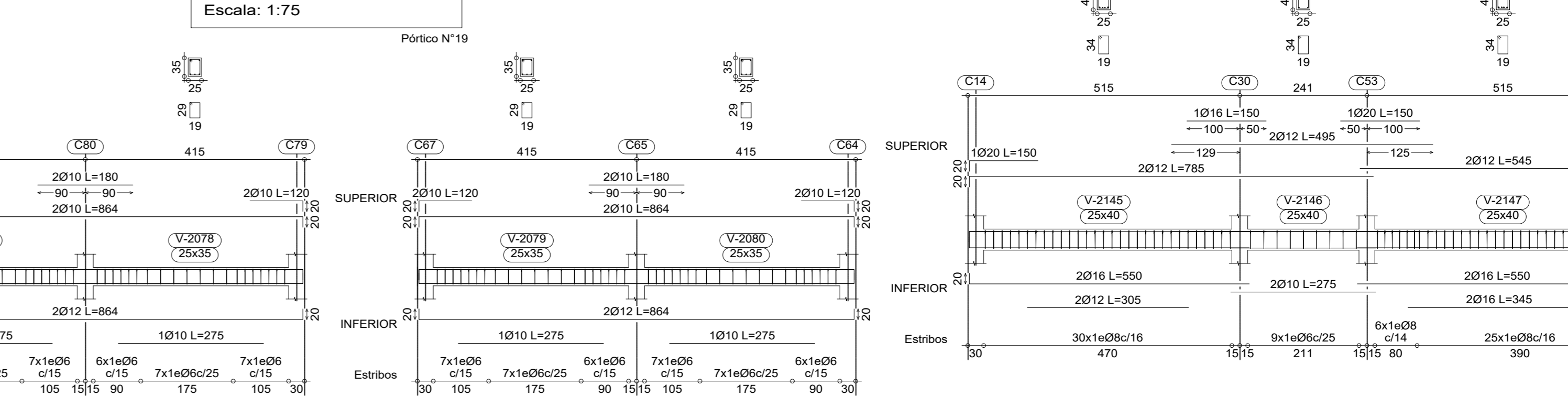
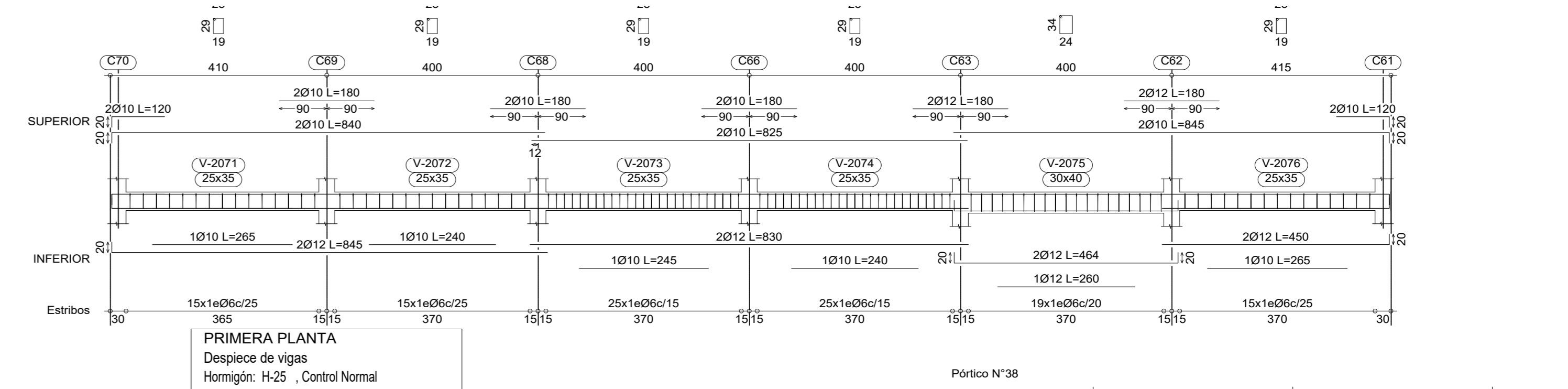
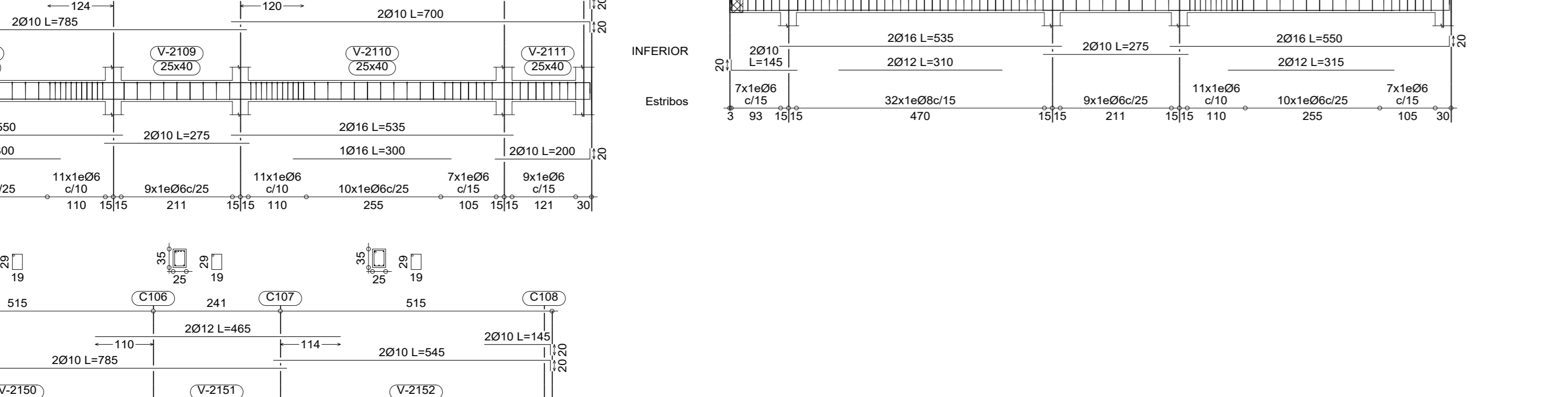
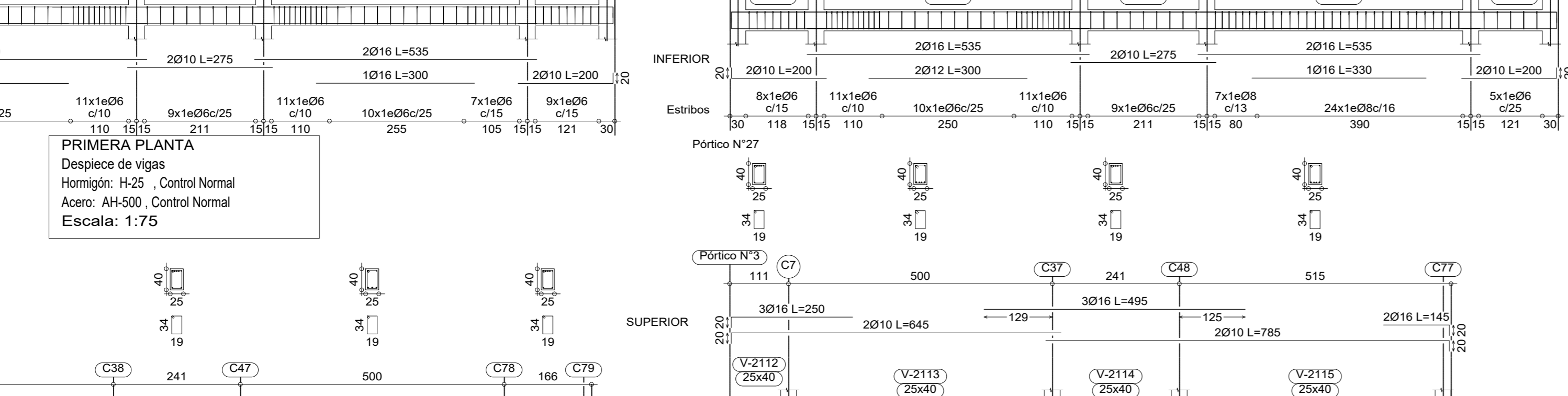
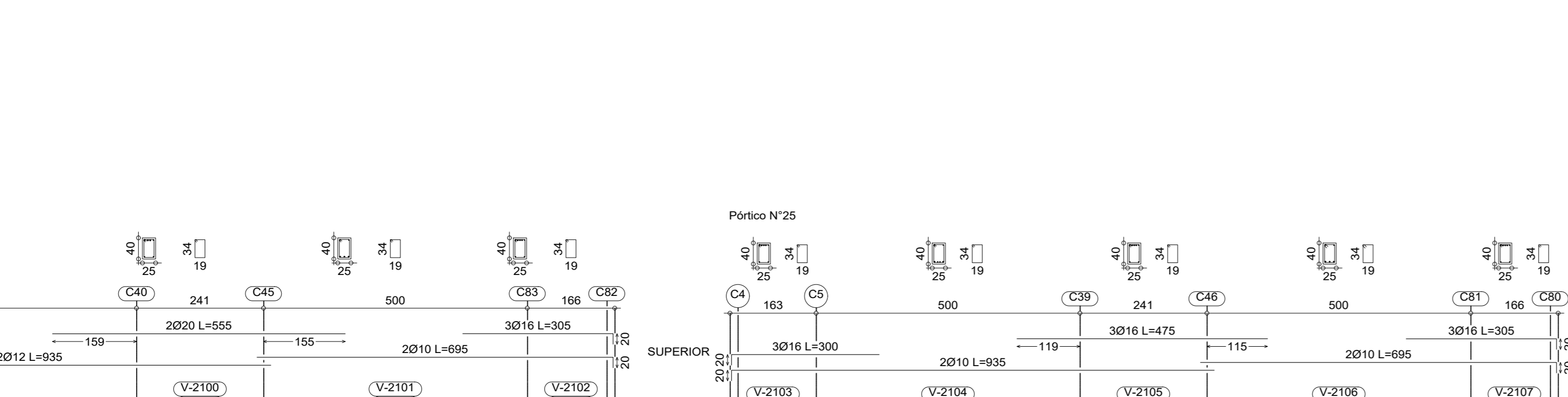
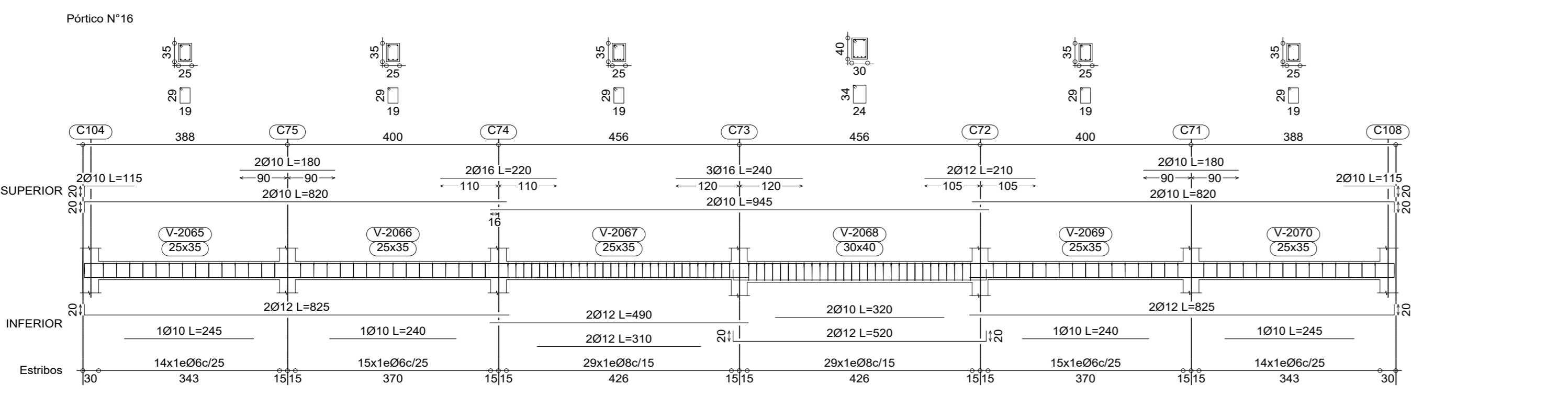
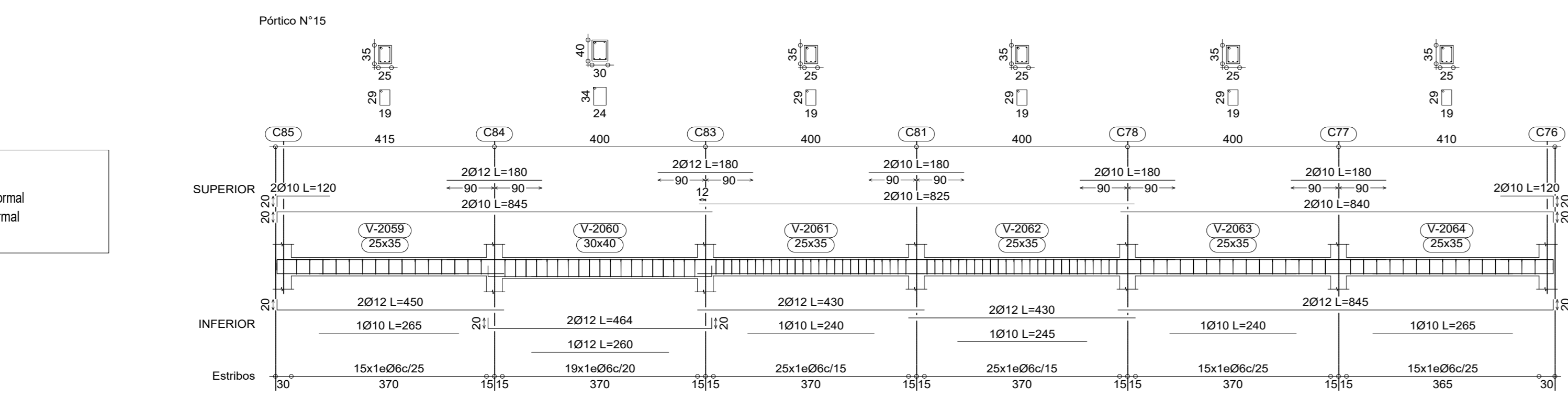
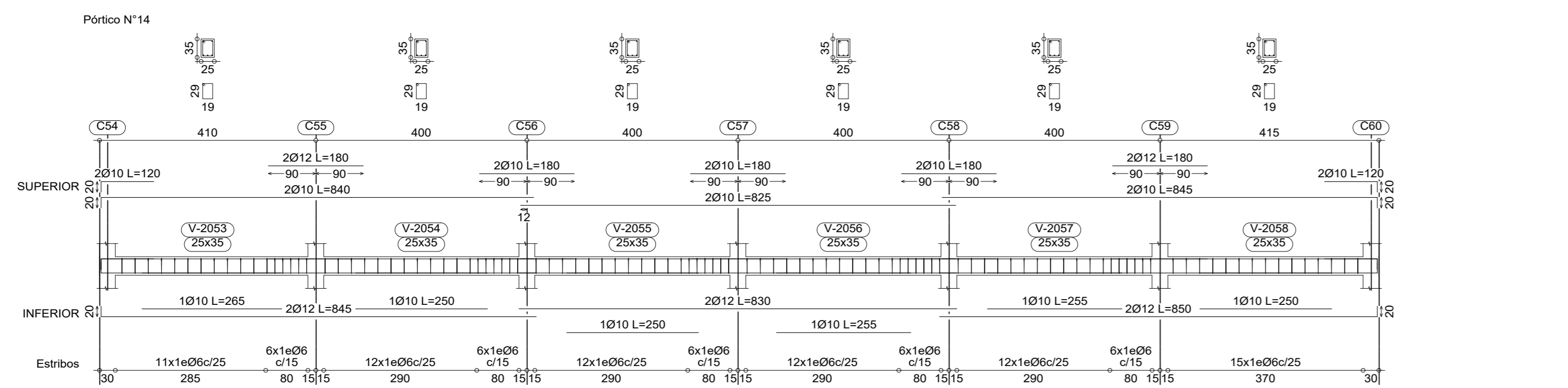
**PRIMERA PLANTA**  
Despiece de vigas  
Hormigón: H-25, Control Normal  
Acero: AH-500, Control Normal  
Escala: 1:75

**PRIMERA PLANTA**  
Despiece de vigas  
Hormigón: H-25, Control Normal  
Acero: AH-500, Control Normal  
Escala: 1:75



	
TÍTULO:	CONTENIDO:
CÁLCULO ESTRUCTURAL DEL "INTERNADO INSTITUTO MODELO NORMAL SUPERIOR DE CANASMOREO U.A.J.M.S."	DETALLE DEL ARMADO DE VIGAS
UNIVERSITARIO:	ESCALA: LAMINA:
BLADIMIR ENRIQUE APARICIO MIRANDA	INDICADAS
VoBo	FECHA: JUNIO DE 2023
12/22	





PRIMERA PLANTA  
Despiece de vigas  
Hormigón: H-25, Control Normal  
Acero: AH-500, Control Normal  
Escala: 1:75

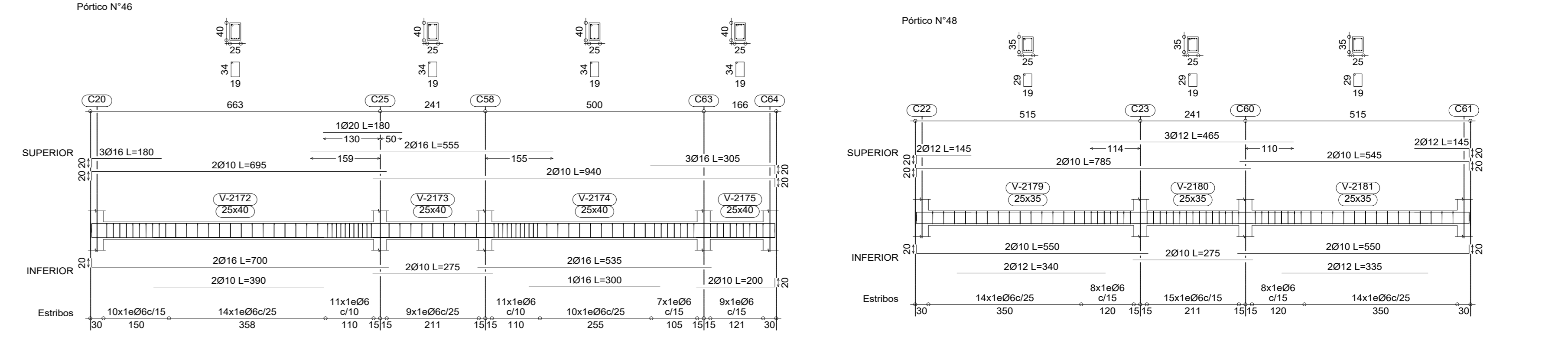
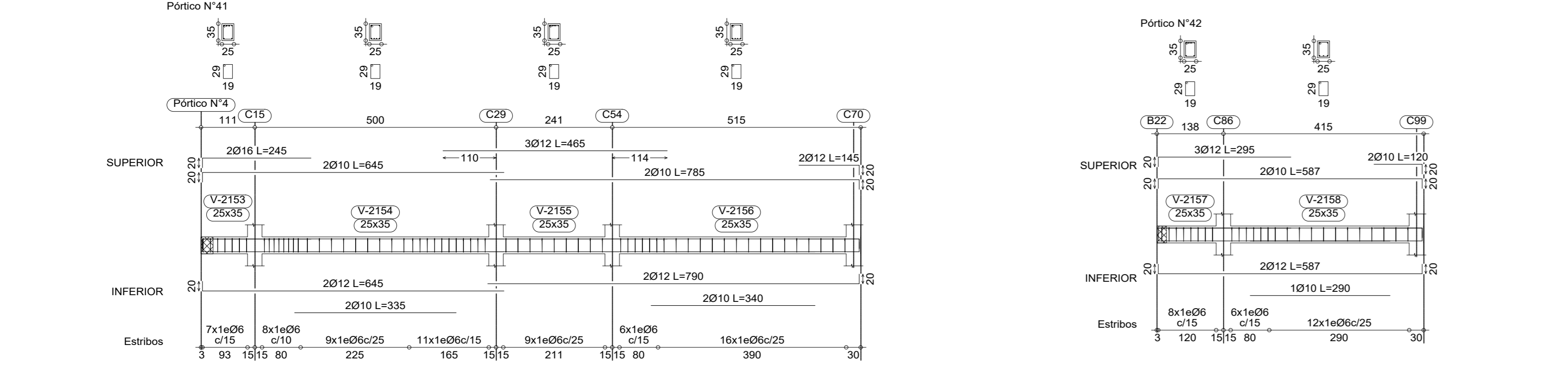
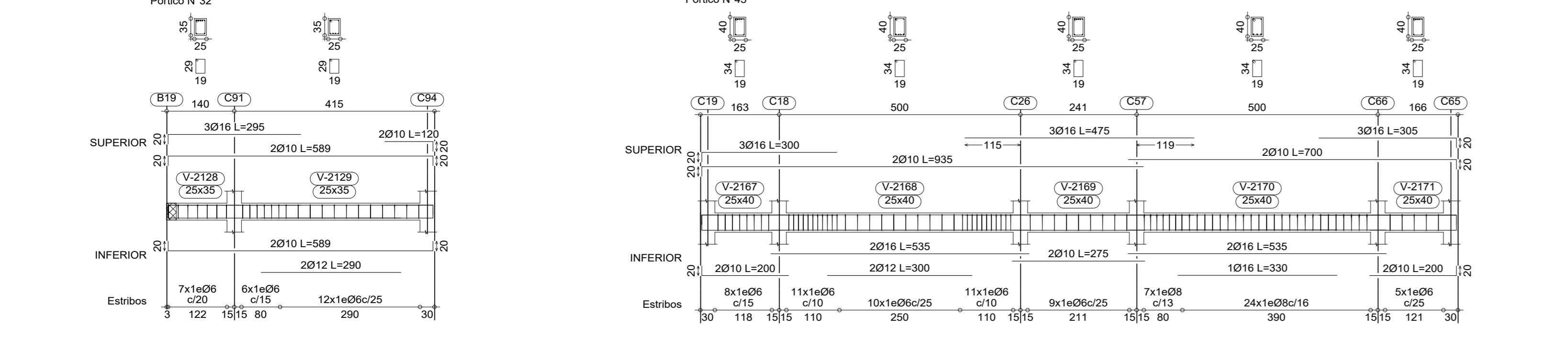
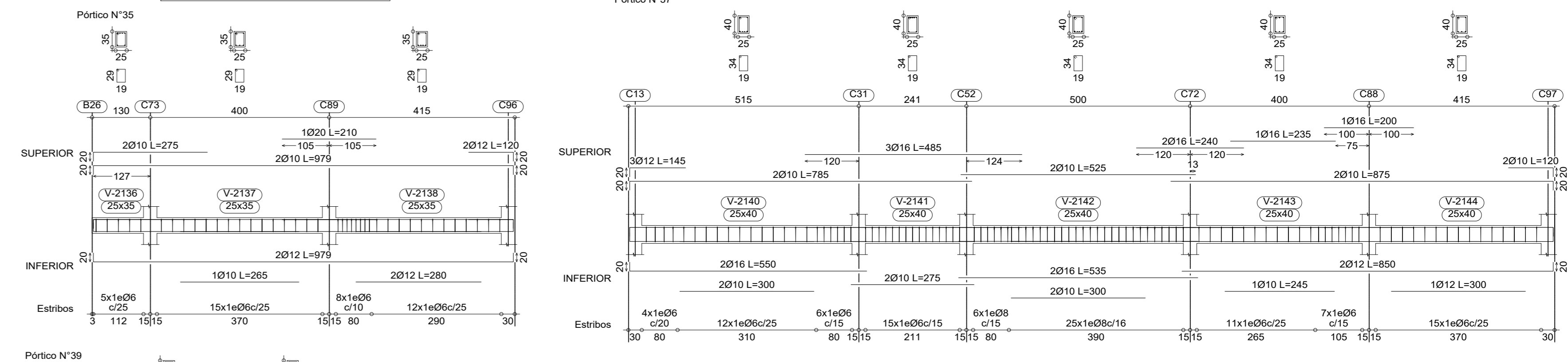
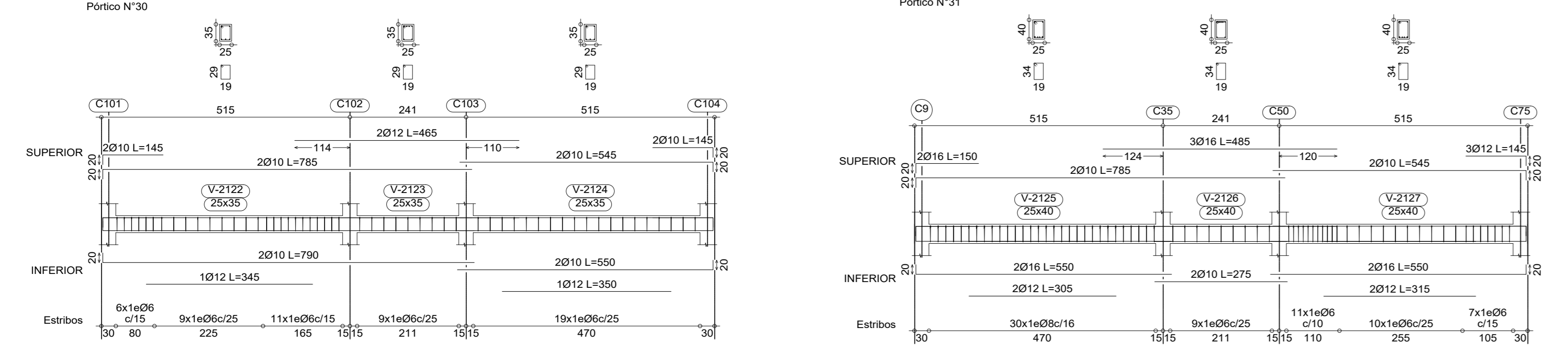
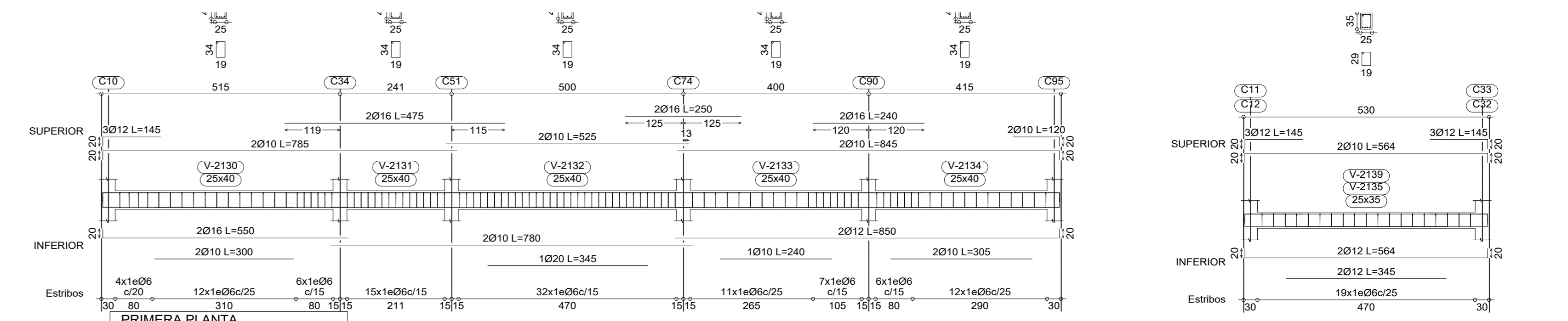
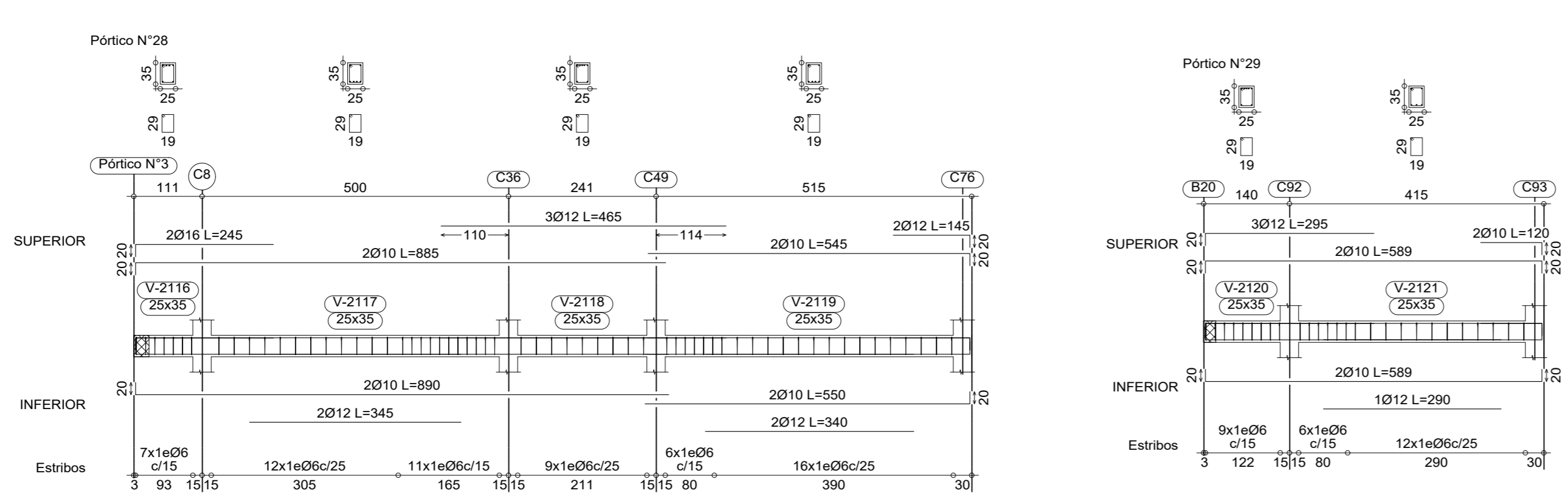
PRIMERA PLANTA  
Despiece de vigas  
Hormigón: H-25, Control Normal  
Acero: AH-500, Control Normal  
Escala: 1:75

PRIMERA PLANTA  
Despiece de vigas  
Hormigón: H-25, Control Normal  
Acero: AH-500, Control Normal  
Escala: 1:75

<p>UNIVERSIDAD AUTÓNOMA "JUAN MISAEL SARACHO" FACULTAD DE CIENCIAS Y TECNOLOGÍA CARRERA DE INGENIERÍA CIVIL</p>	
TÍTULO:	CONTENIDO:
CÁLCULO ESTRUCTURAL DEL "INTERNADO INSTITUTO MODELO NORMAL SUPERIOR DE CANASMOREO U.A.J.M.S."	DETALLE DEL ARMADO DE VIGAS
UNIVERSITARIO:	ESCALA:
BLADIMIR ENRIQUE APARICIO MIRANDA	INDICADAS
VoBo	FECHA:
	JUNIO DE 2023
<p>LAMINA:</p> <p>13/22</p>	



PRIMERA PLANTA  
 Despiece de vigas  
 Hormigón: H-25, Control Normal  
 Acero: AH-500, Control Normal  
 Escala: 1:75



PRIMERA PLANTA  
 Despiece de vigas  
 Hormigón: H-25, Control Normal  
 Acero: AH-500, Control Normal  
 Escala: 1:75

PRIMERA PLANTA  
 Despiece de vigas  
 Hormigón: H-25, Control Normal  
 Acero: AH-500, Control Normal  
 Escala: 1:75

<b>UNIVERSIDAD AUTÓNOMA "JUAN MISAEL SARACHO"</b> <b>FACULTAD DE CIENCIAS Y TECNOLOGÍA</b> <b>CARRERA DE INGENIERÍA CIVIL</b>	
TÍTULO:	CONTENIDO:
CÁLCULO ESTRUCTURAL DEL "INTERNADO INSTITUTO MODELO NORMAL SUPERIOR DE CANASMORO U.A.J.M.S."	DETALLE DEL ARMADO DE VIGAS
UNIVERSITARIO:	ESCALA: LAMINA:
BLADIMIR ENRIQUE APARICIO MIRANDA	INDICADAS
VoBo	FECHA: JUNIO DE 2023
14/22	



**SEGUNDA PLANTA**  
 Despiece de vigas  
 Hormigón: H-25, Control Normal  
 Acero conformado: ASTM A 36 36 ksi  
 Acero: AH-500, Control Normal  
 Consulte los detalles constructivos correspondientes a la unión de las vigas metálicas con losas  
 Escala: 1:75

**SEGUNDA PLANTA**  
 Despiece de vigas  
 Hormigón: H-25, Control Normal  
 Acero conformado: ASTM A 36 36 ksi  
 Acero: AH-500, Control Normal  
 Consulte los detalles constructivos correspondientes a la unión de las vigas metálicas con losas  
 Escala: 1:75

**SEGUNDA PLANTA**  
 Despiece de vigas  
 Hormigón: H-25, Control Normal  
 Acero conformado: ASTM A 36 36 ksi  
 Acero: AH-500, Control Normal  
 Consulte los detalles constructivos correspondientes a la unión de las vigas metálicas con losas  
 Escala: 1:75

**SEGUNDA PLANTA**  
 Despiece de vigas  
 Hormigón: H-25, Control Normal  
 Acero conformado: ASTM A 36 36 ksi  
 Acero: AH-500, Control Normal  
 Consulte los detalles constructivos correspondientes a la unión de las vigas metálicas con losas  
 Escala: 1:75

**SEGUNDA PLANTA**  
 Despiece de vigas  
 Hormigón: H-25, Control Normal  
 Acero conformado: ASTM A 36 36 ksi  
 Acero: AH-500, Control Normal  
 Consulte los detalles constructivos correspondientes a la unión de las vigas metálicas con losas  
 Escala: 1:75

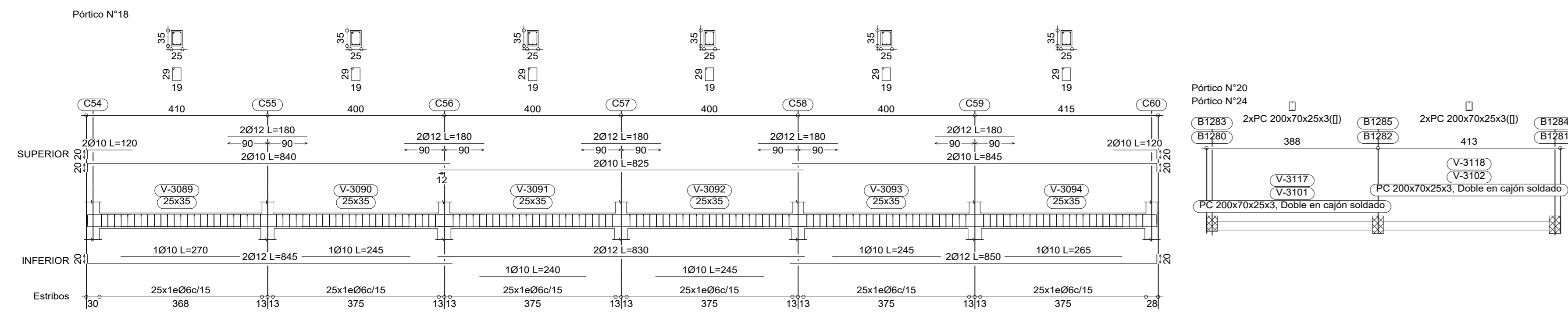
**SEGUNDA PLANTA**  
 Despiece de vigas  
 Hormigón: H-25, Control Normal  
 Acero conformado: ASTM A 36 36 ksi  
 Acero: AH-500, Control Normal  
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**SEGUNDA PLANTA**  
 Despiece de vigas  
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 Consulte los detalles constructivos correspondientes a la unión de las vigas metálicas con losas  
 Escala: 1:75

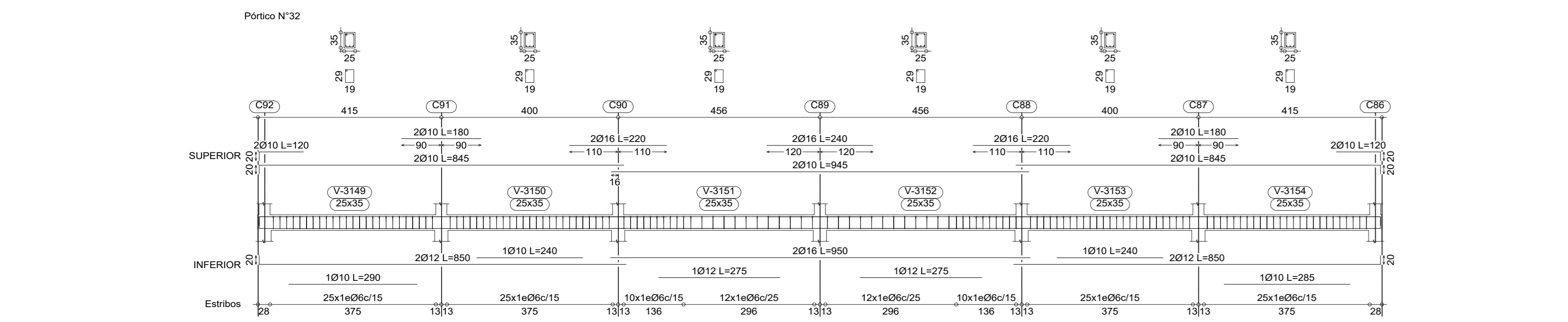
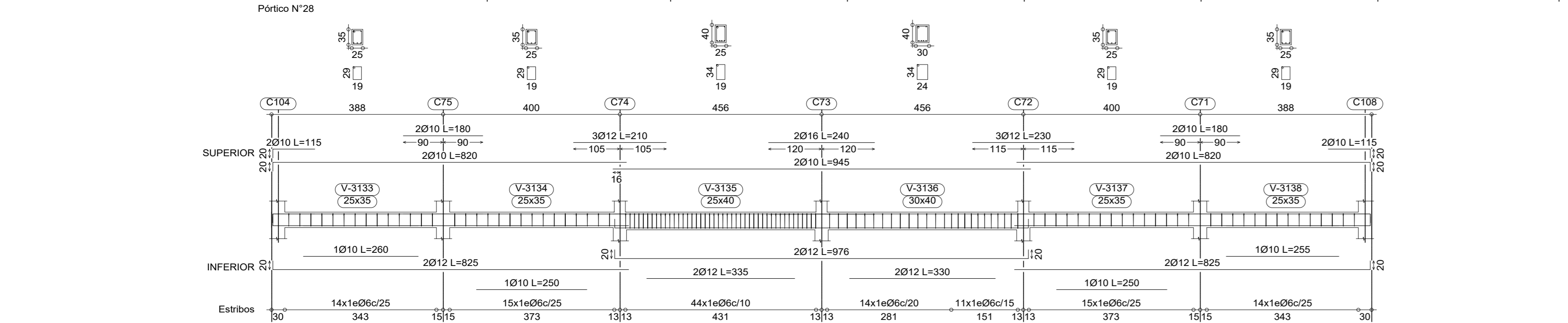
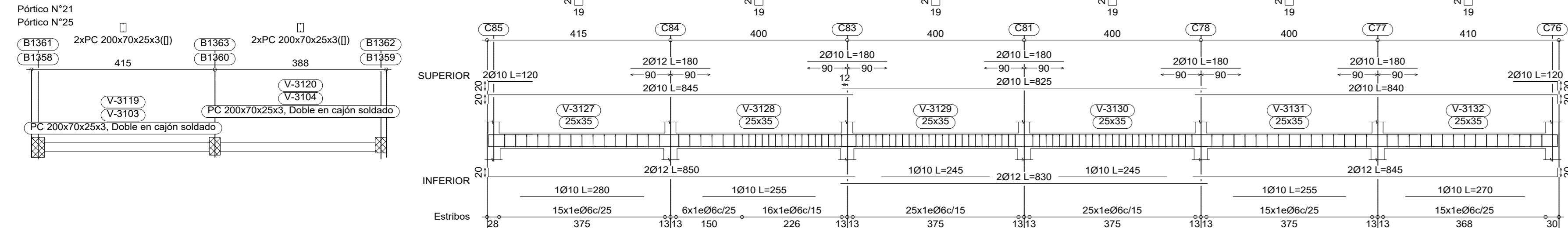
**SEGUNDA PLANTA**  
 Despiece de vigas  
 Hormigón: H-25, Control Normal  
 Acero conformado: ASTM A 36 36 ksi  
 Acero: AH-500, Control Normal  
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TÍTULO:	CONTENIDO:
CÁLCULO ESTRUCTURAL DEL "INTERNADO INSTITUTO MODELO NORMAL SUPERIOR DE CANASMORO U.A.J.M.S."	DETALLE DEL ARMADO DE VIGAS
UNIVERSITARIO:	ESCALA: LAMINA:
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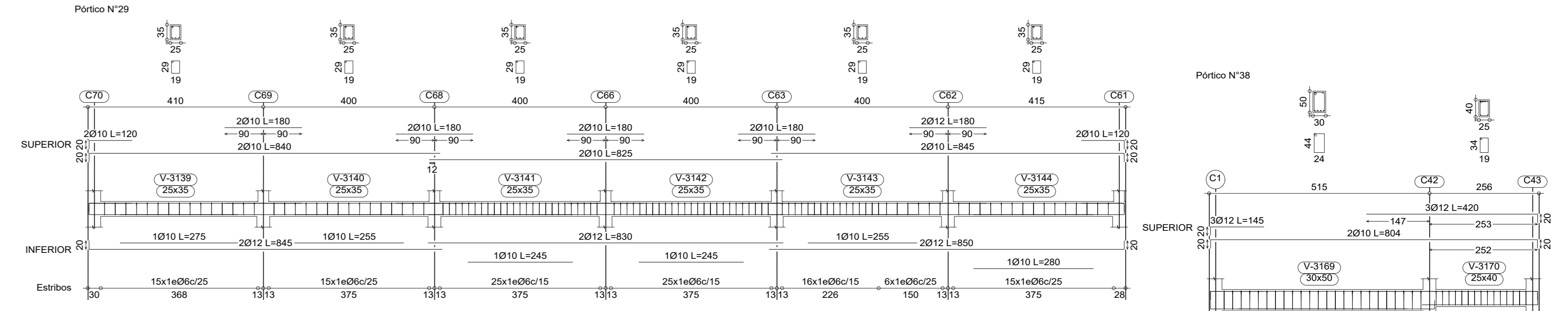
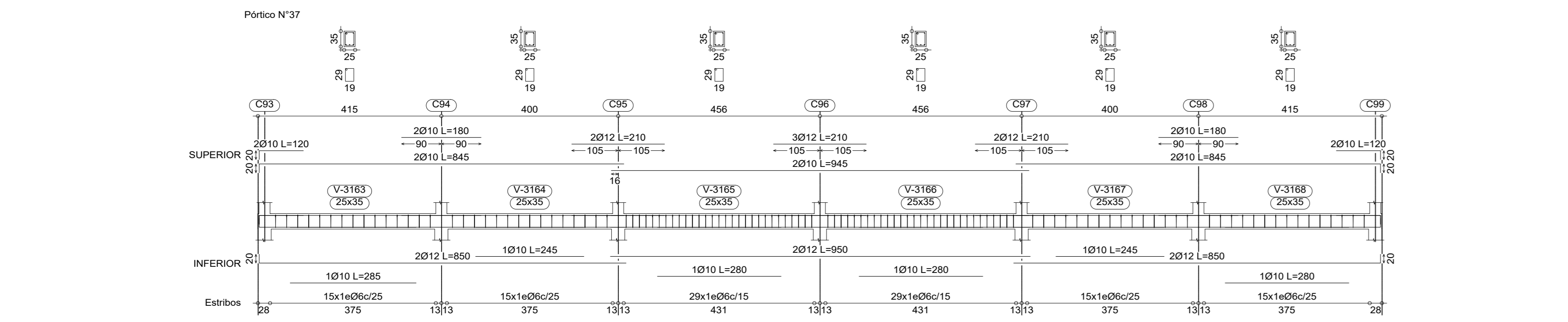
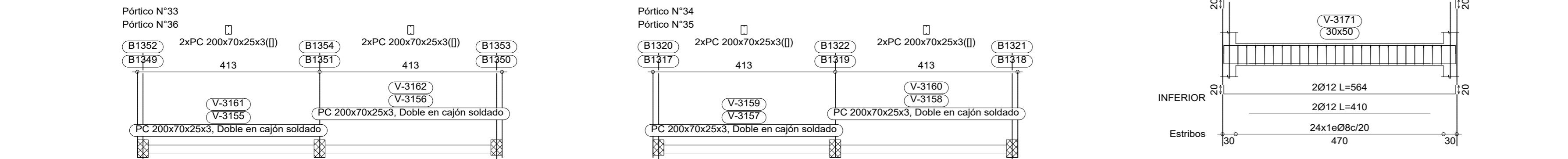




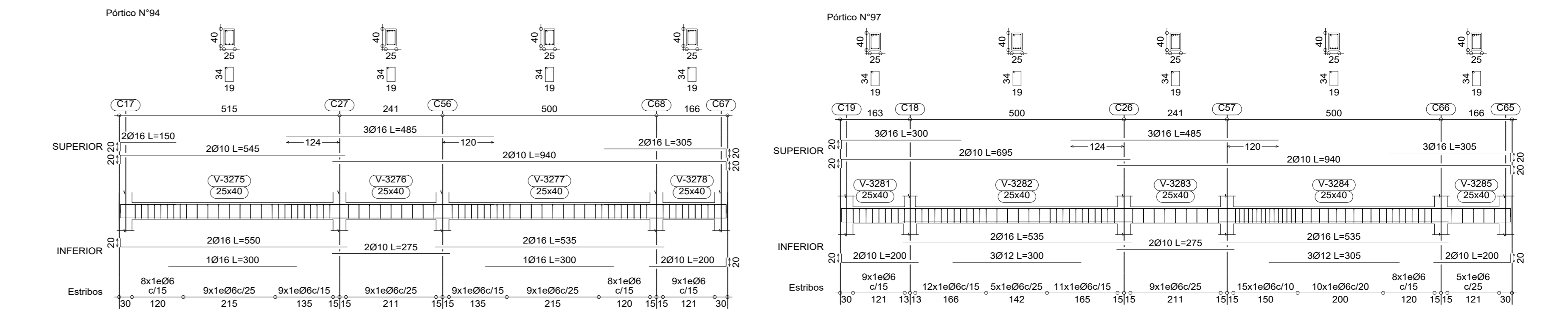
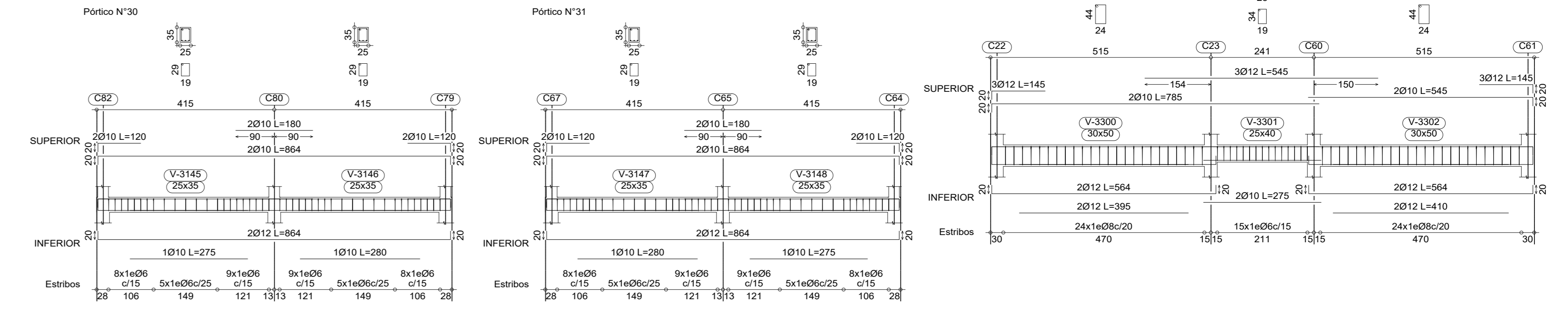
**SEGUNDA PLANTA**  
 Despiece de vigas  
 Hormigón: H-25 , Control Normal  
 Acero conformado: ASTM A 36 36 ksi  
 Acero: AH-500 , Control Normal  
 Consulte los detalles constructivos correspondientes a la unión de las vigas metálicas con losas  
 Escala: 1:75



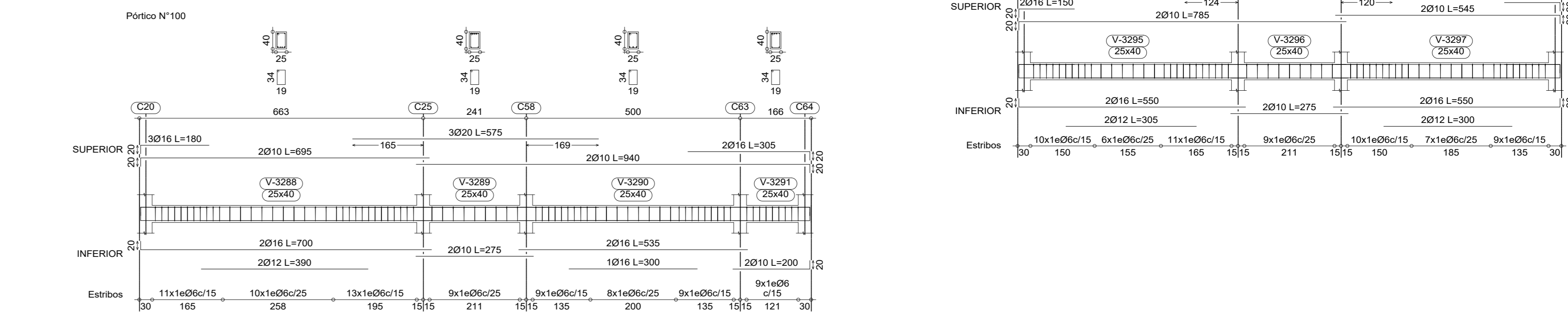
**SEGUNDA PLANTA**  
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 Acero conformado: ASTM A 36 36 ksi  
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**SEGUNDA PLANTA**  
 Despiece de vigas  
 Hormigón: H-25 , Control Normal  
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 Acero: AH-500 , Control Normal  
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 Escala: 1:75

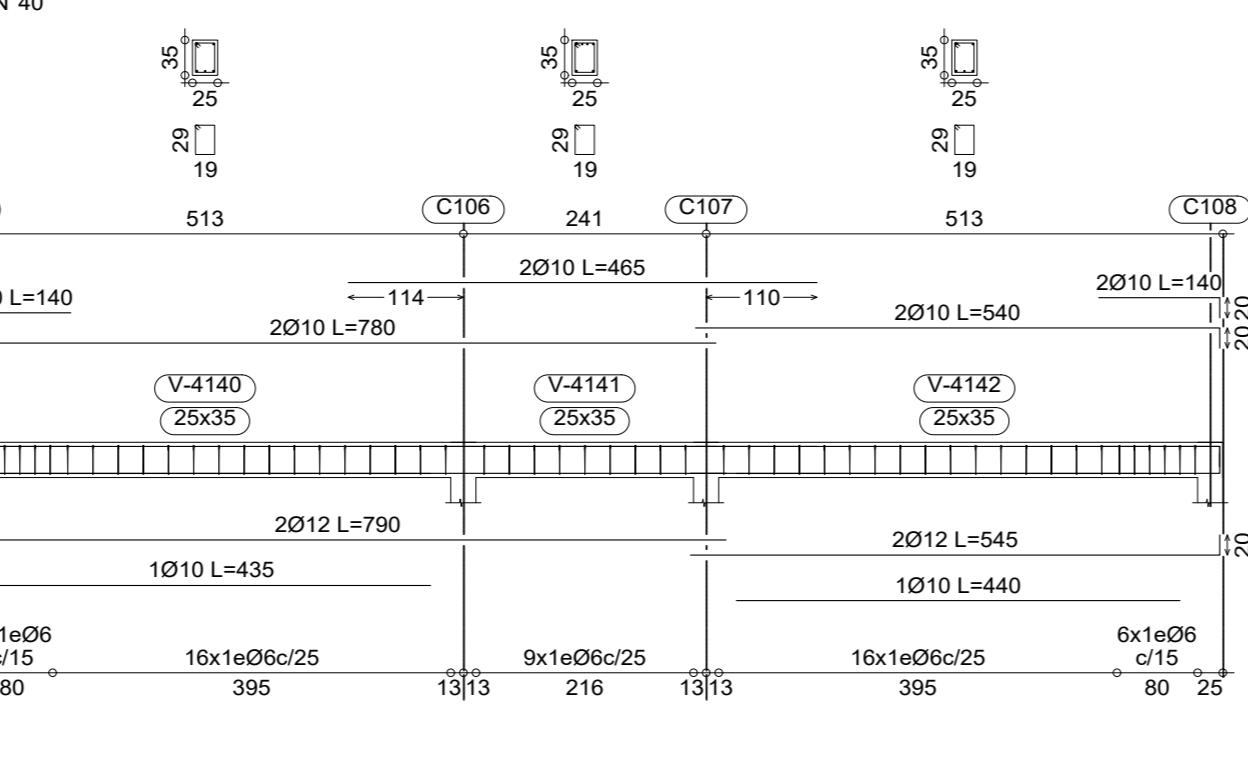
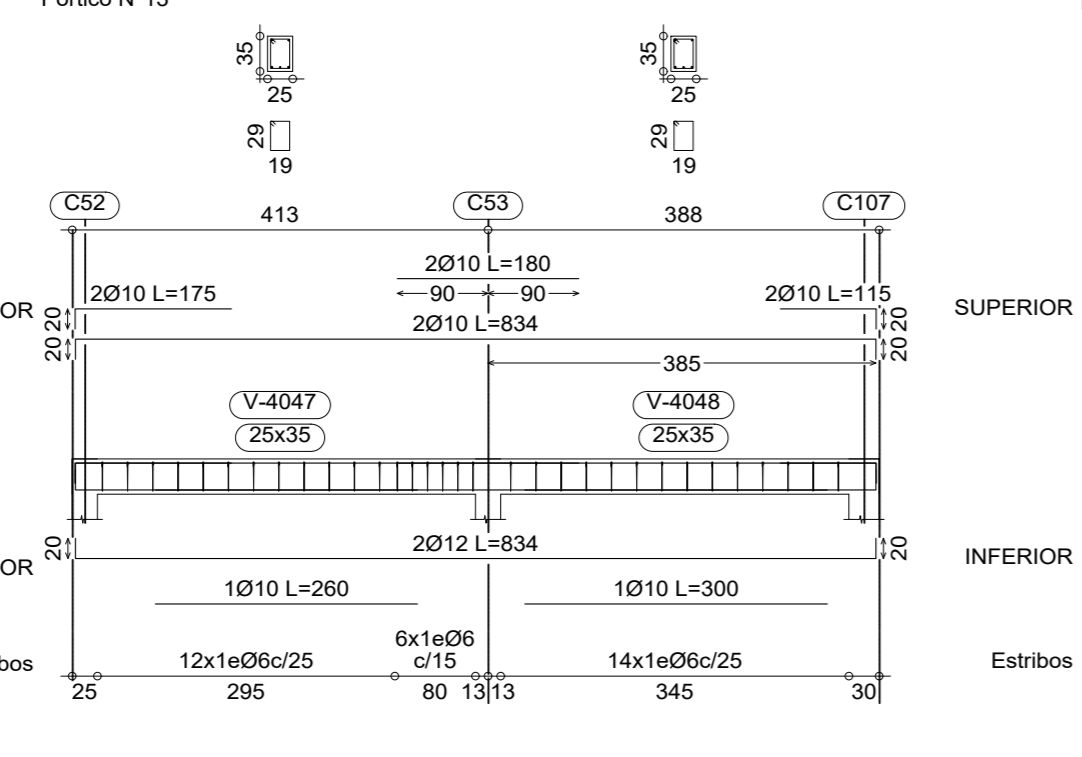
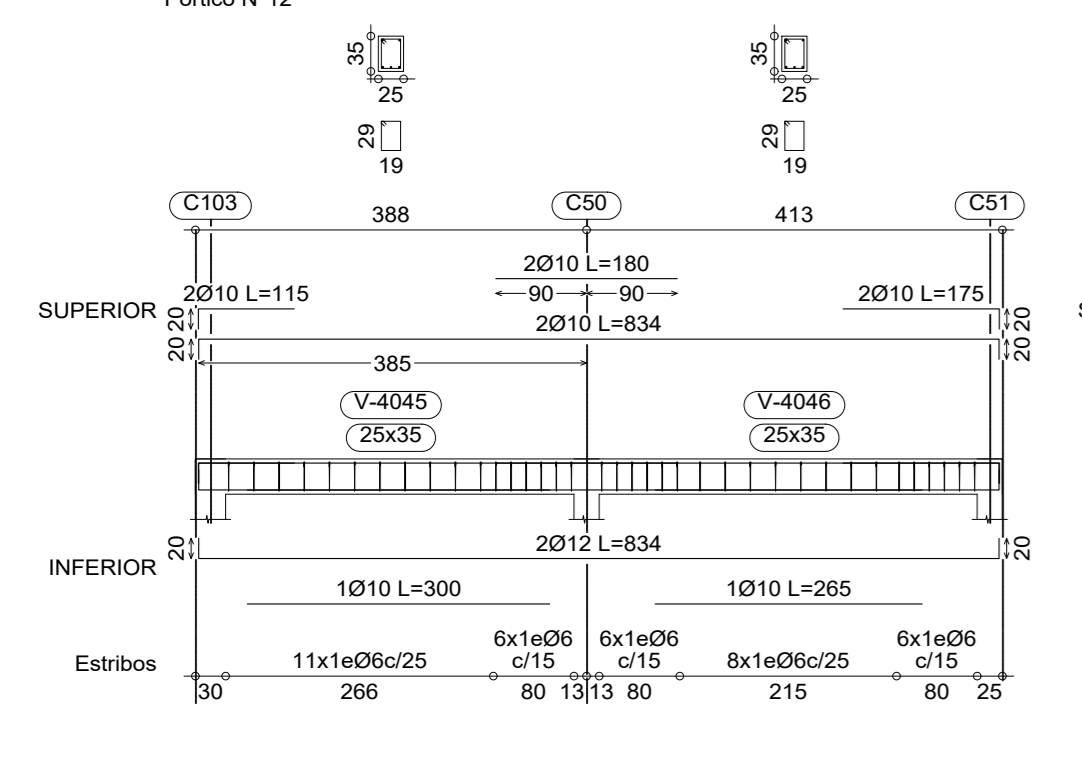
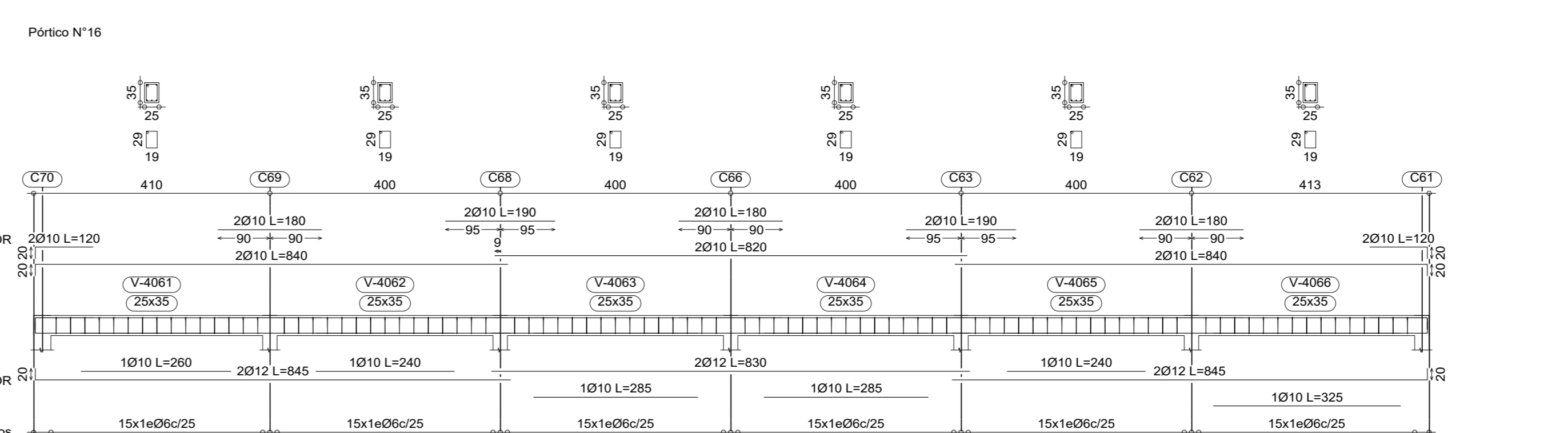
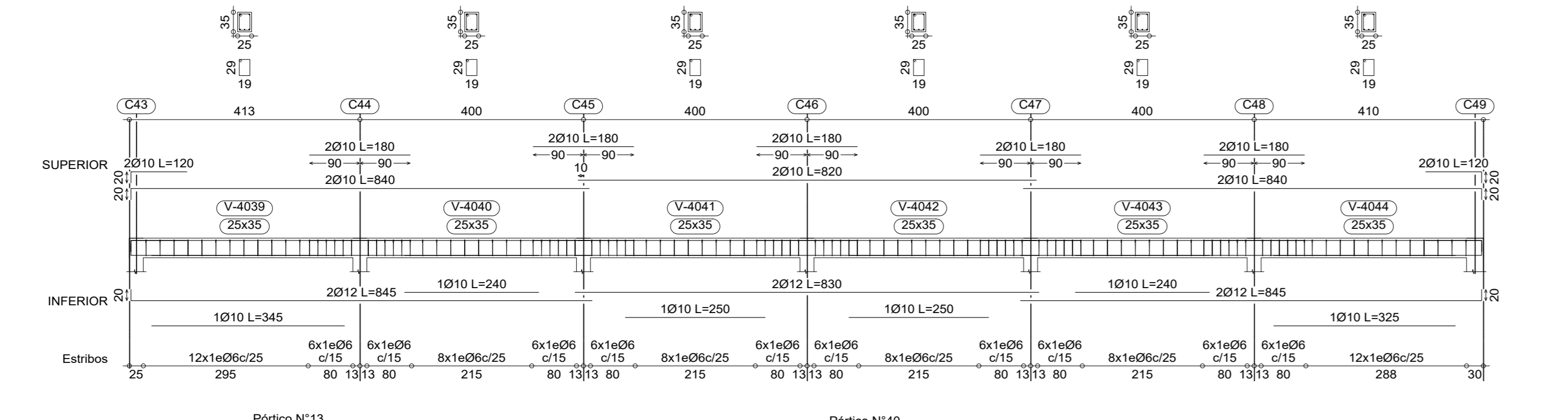
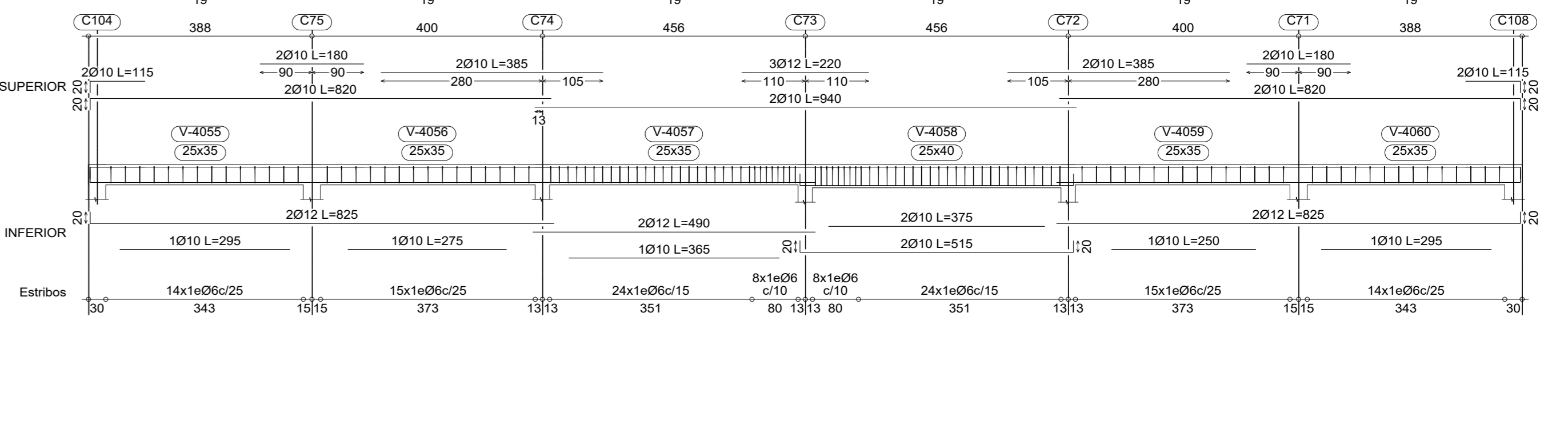
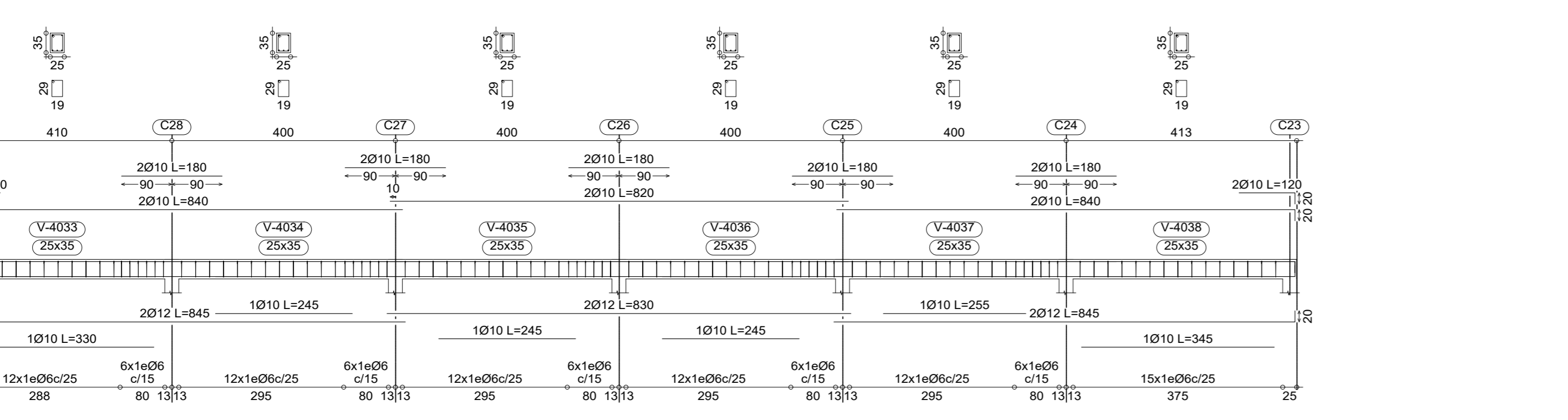
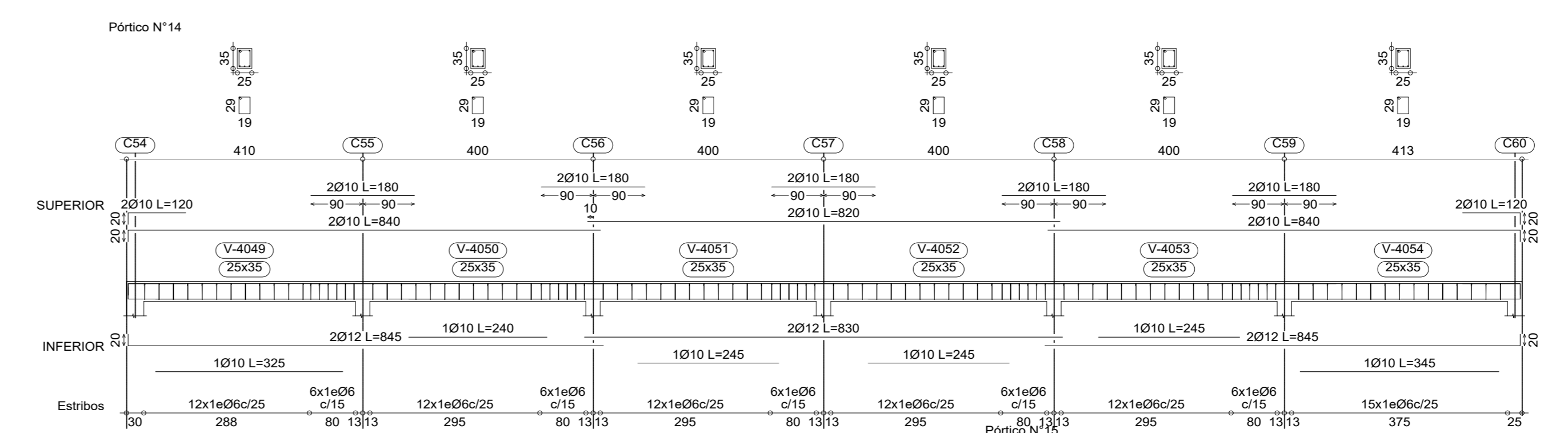
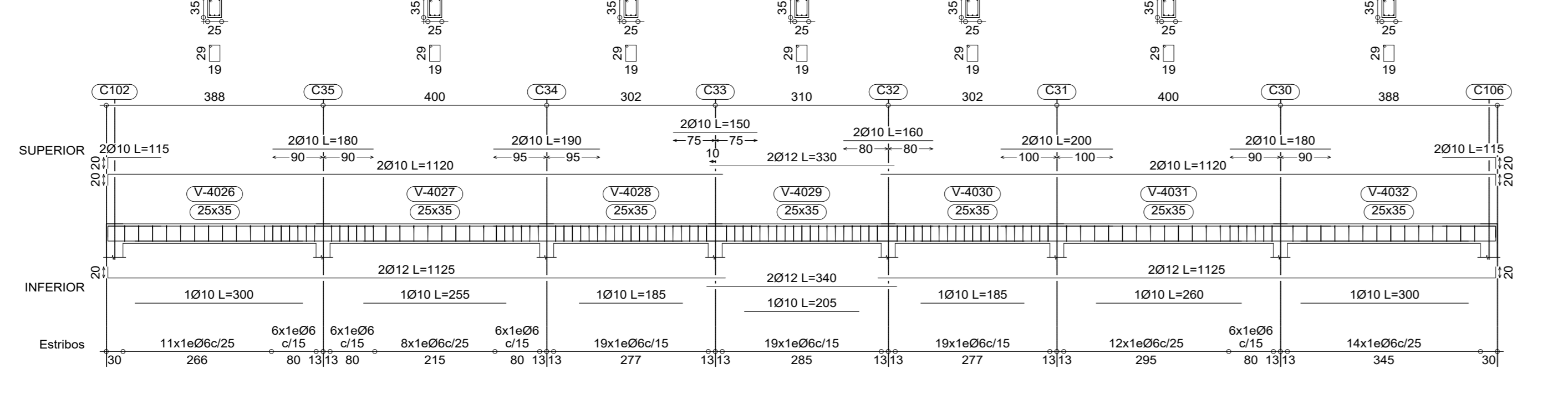
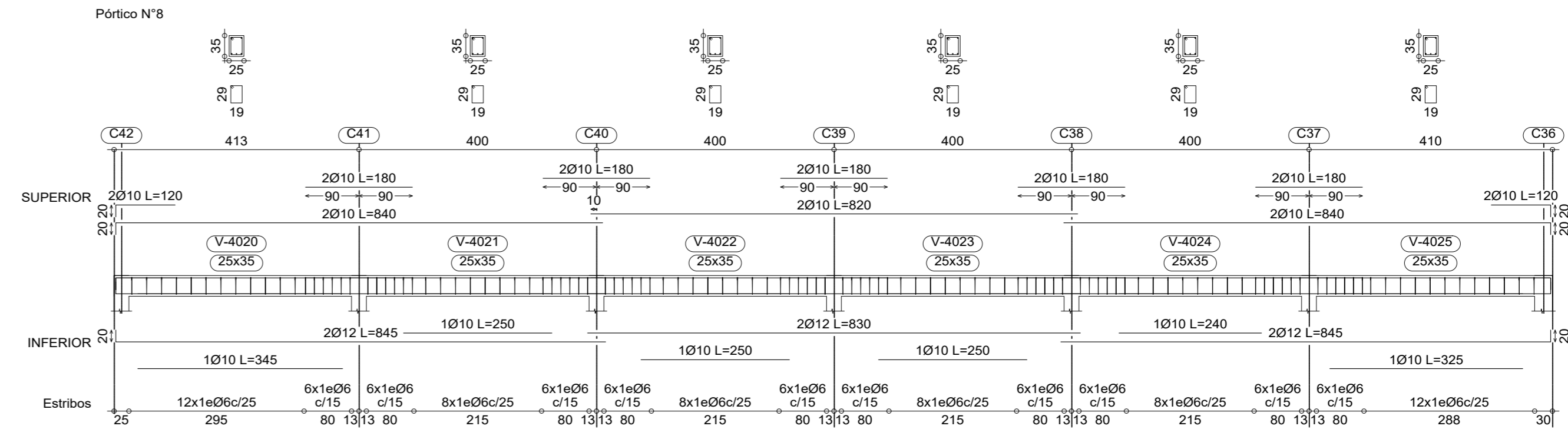
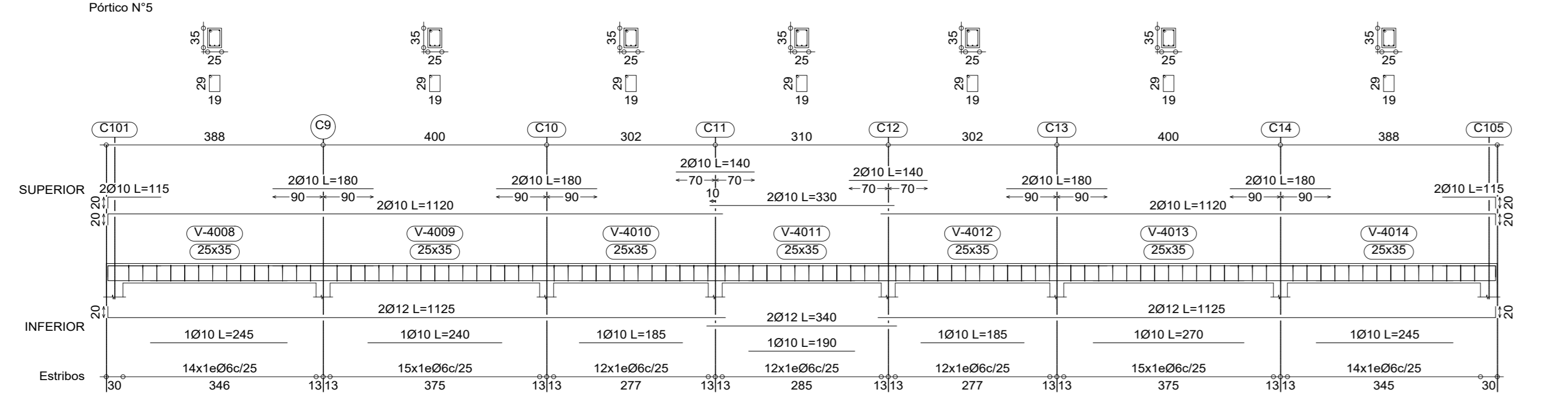
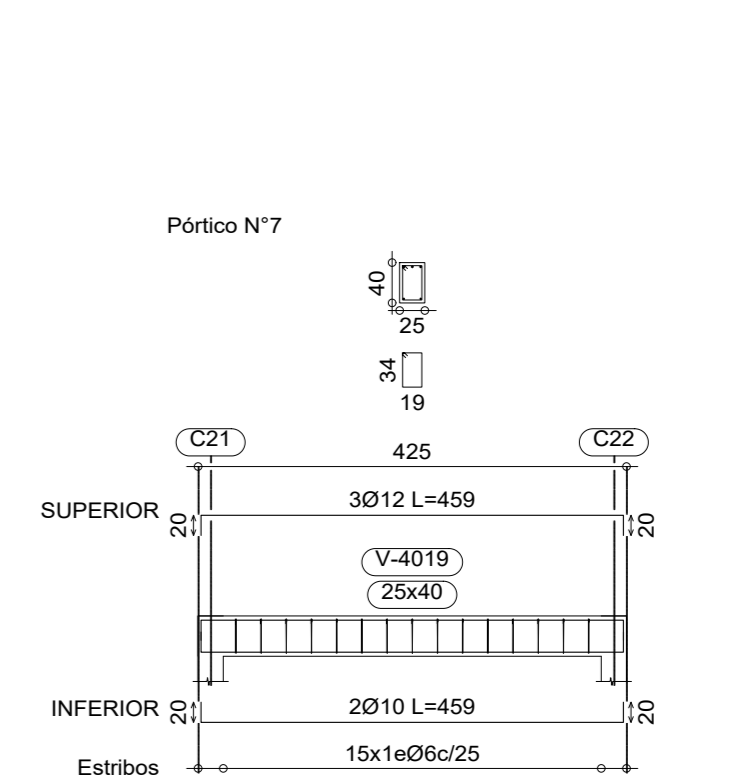
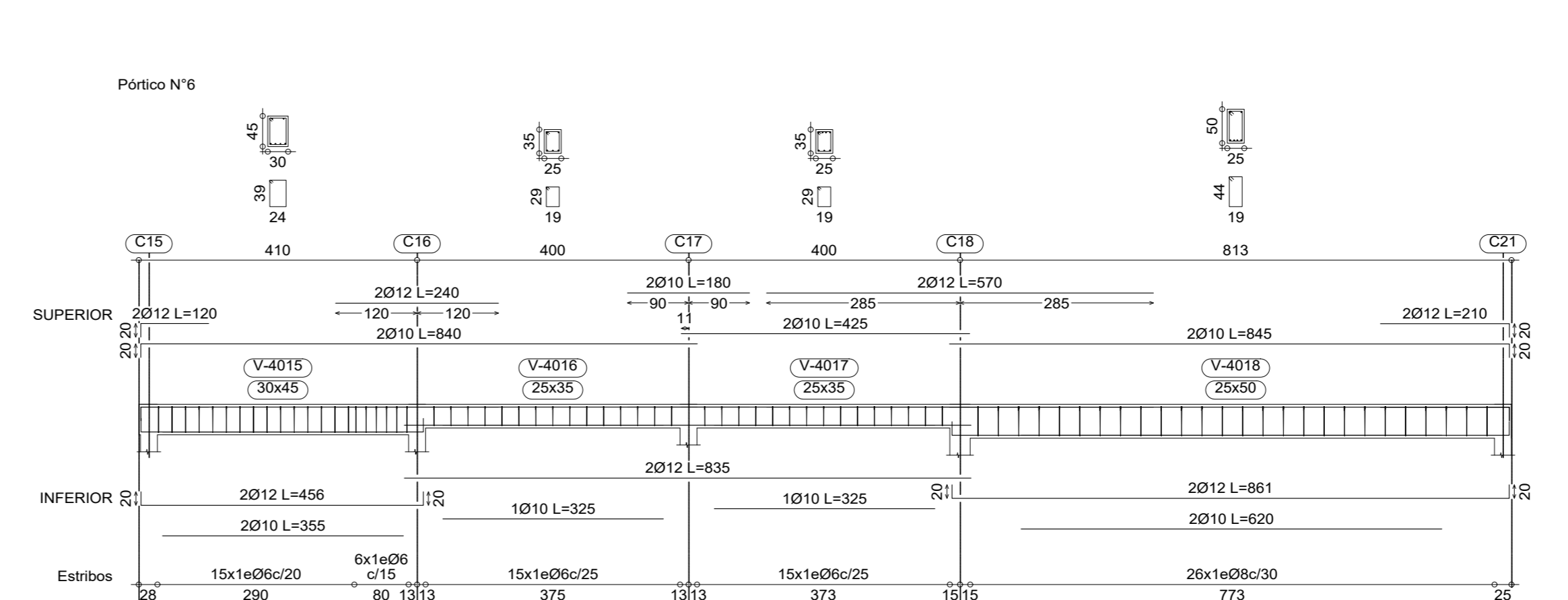
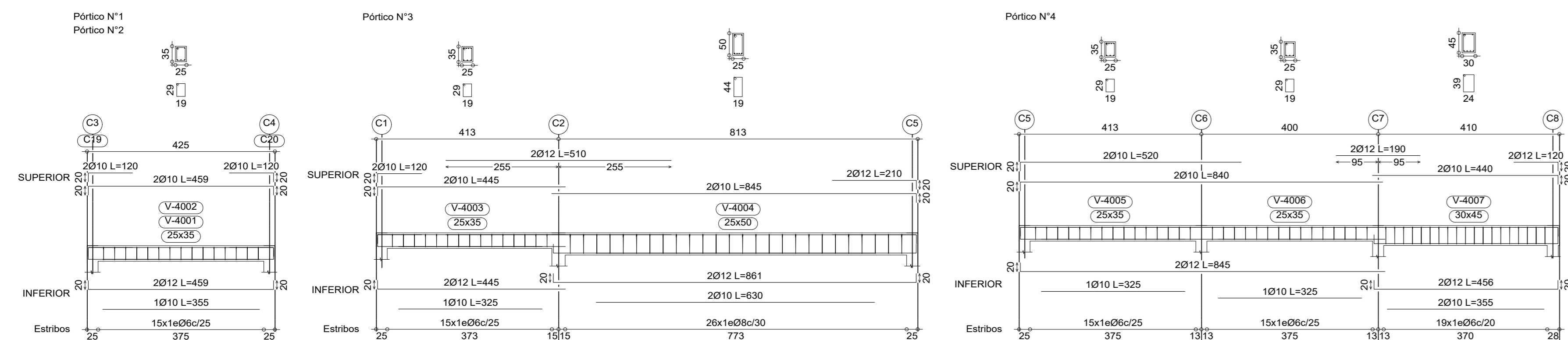


**SEGUNDA PLANTA**  
 Despiece de vigas  
 Hormigón: H-25 , Control Normal  
 Acero conformado: ASTM A 36 36 ksi  
 Acero: AH-500 , Control Normal  
 Consulte los detalles constructivos correspondientes a la unión de las vigas metálicas con losas  
 Escala: 1:75



	
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**AZOTEA**  
Despiece de vigas  
Hormigón: H-25 , Control Normal  
Acero: AH-500, Control Normal  
Escala: 1:75

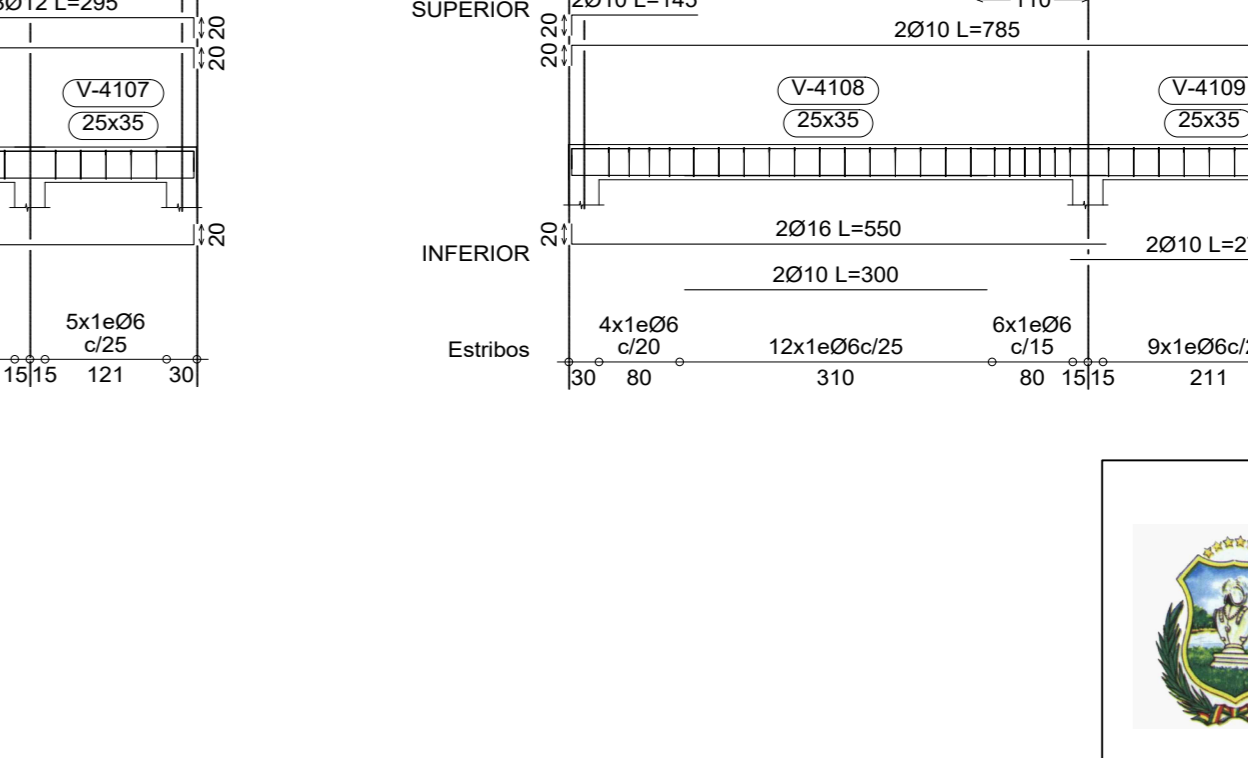
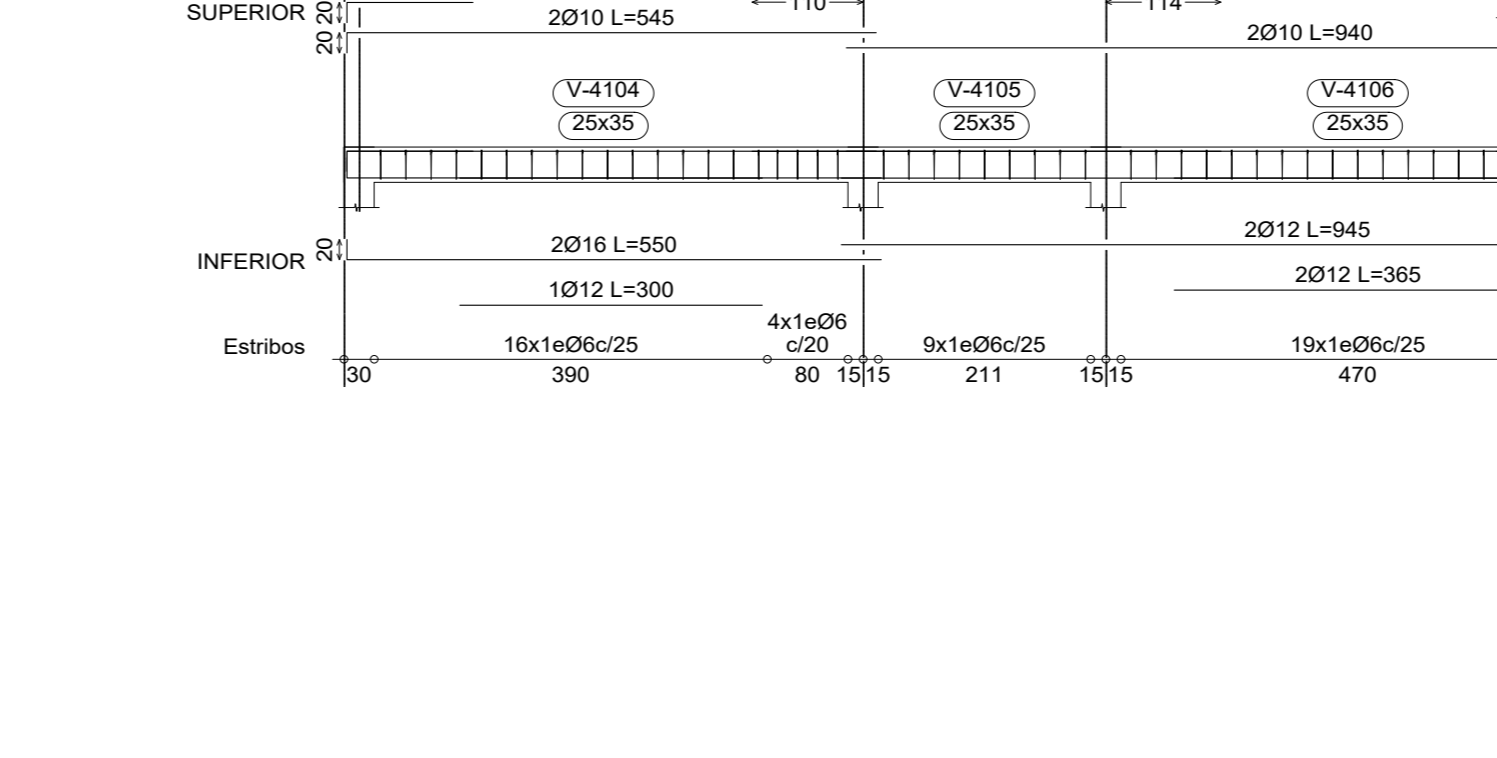
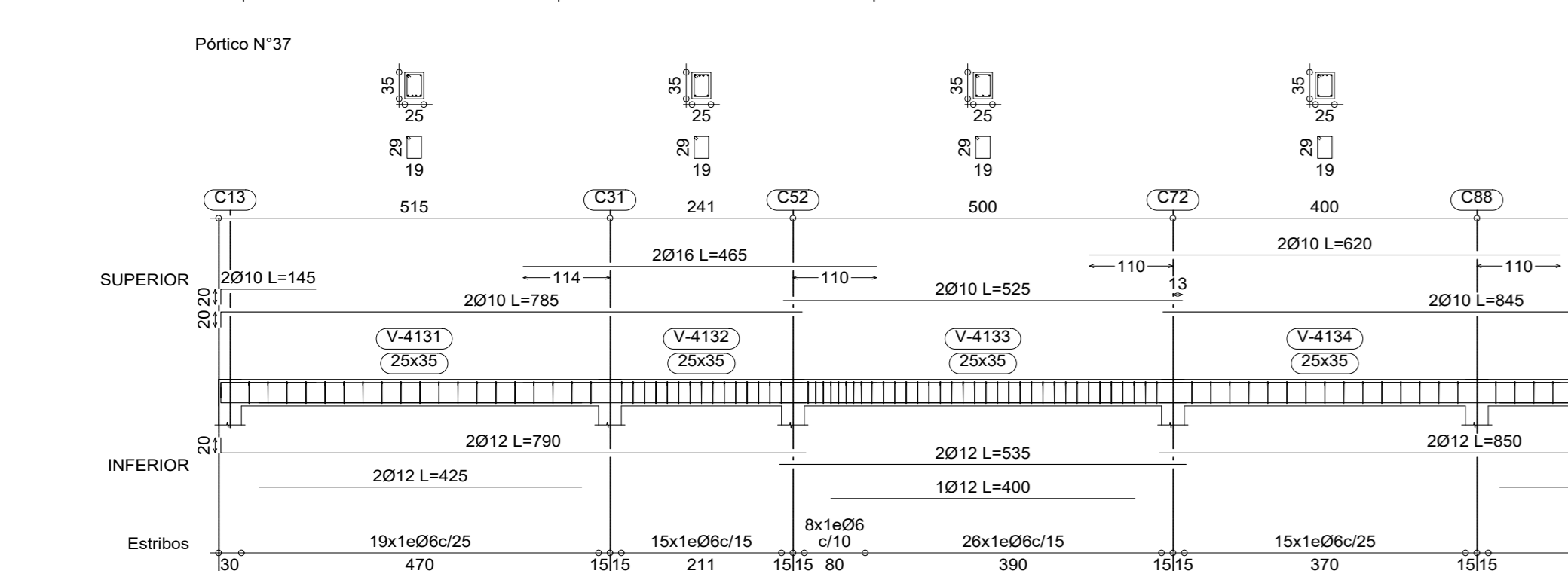
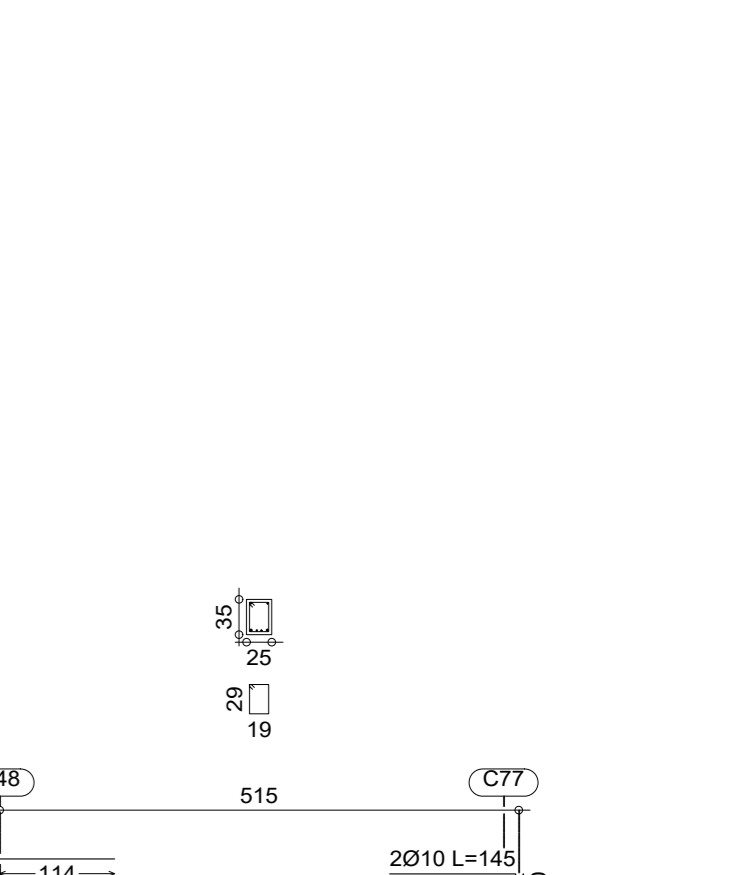
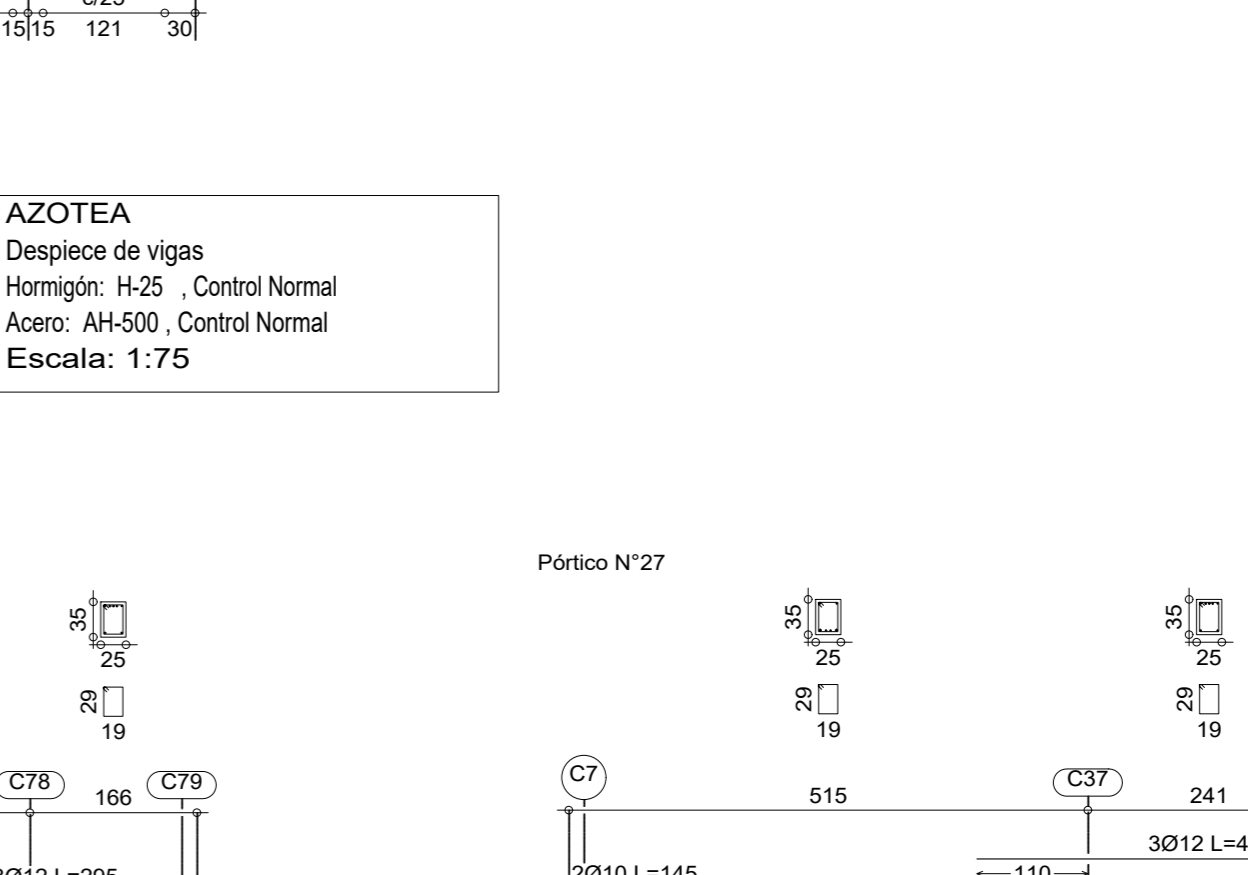
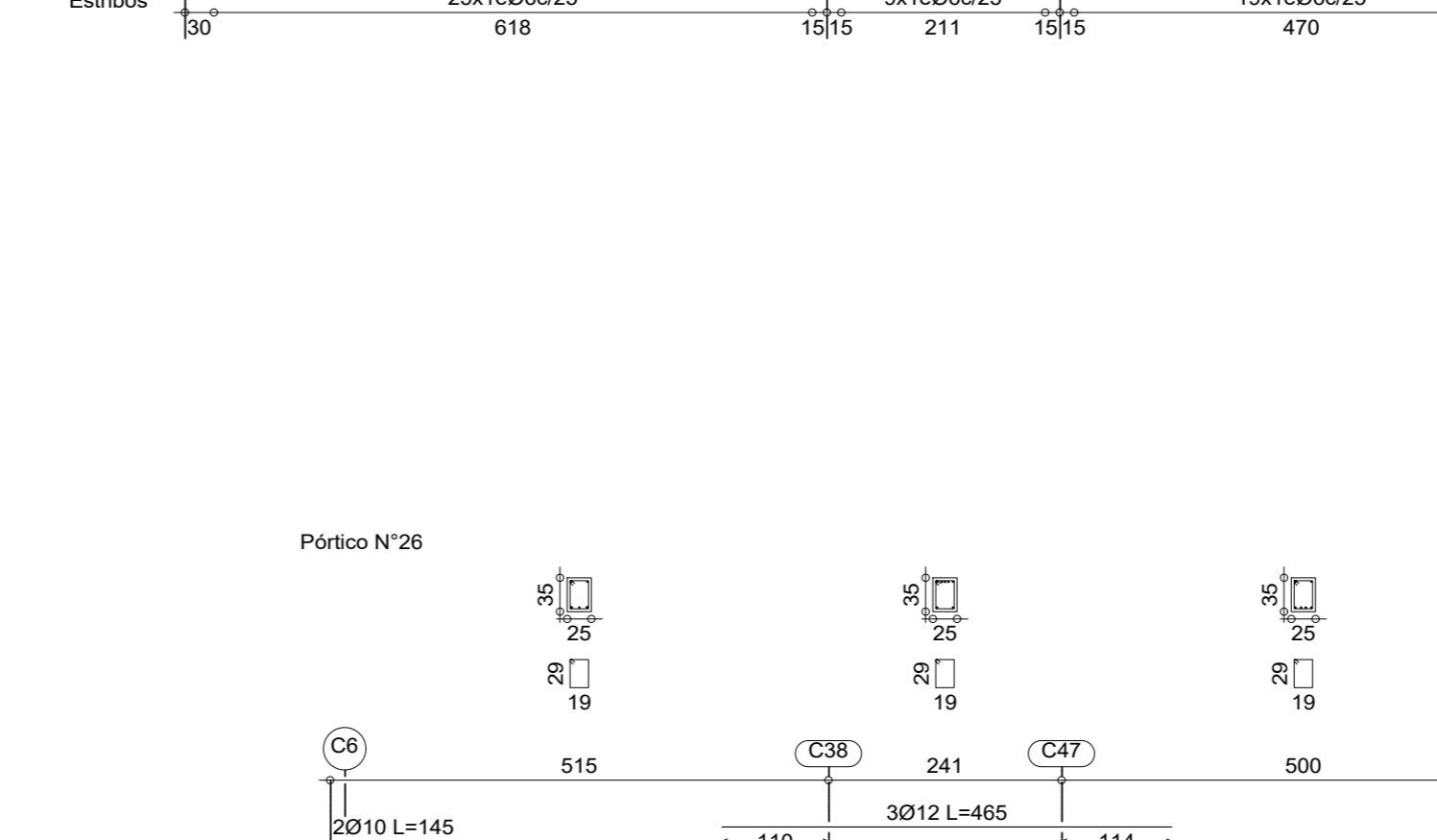
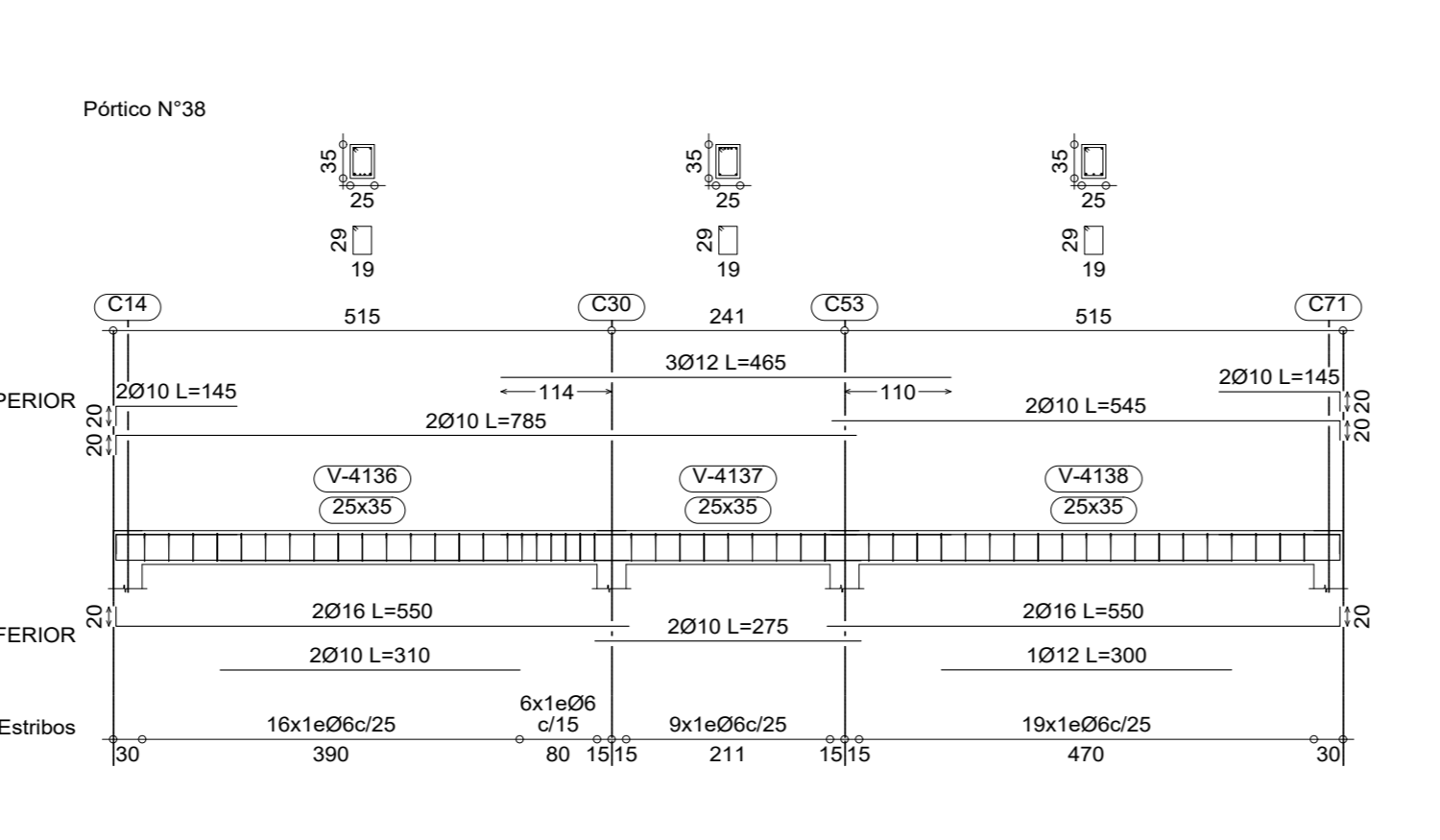
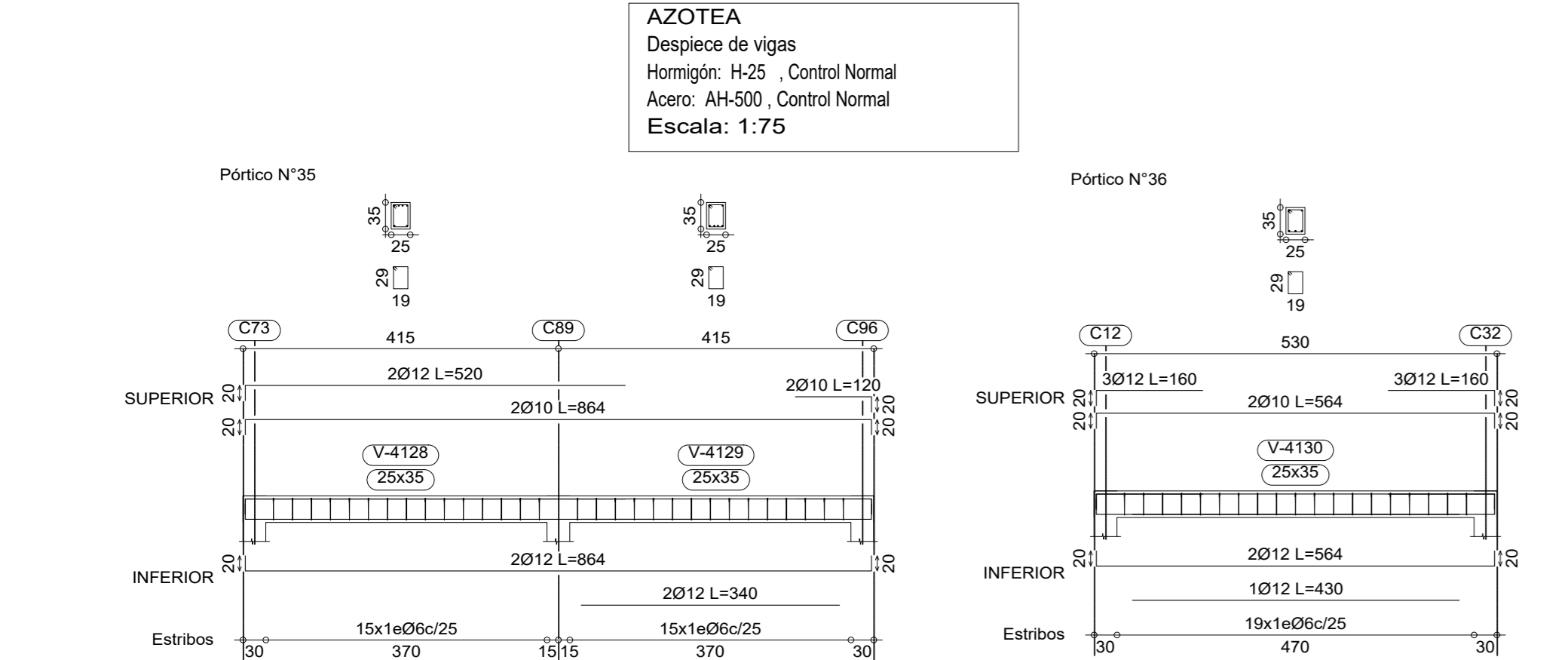
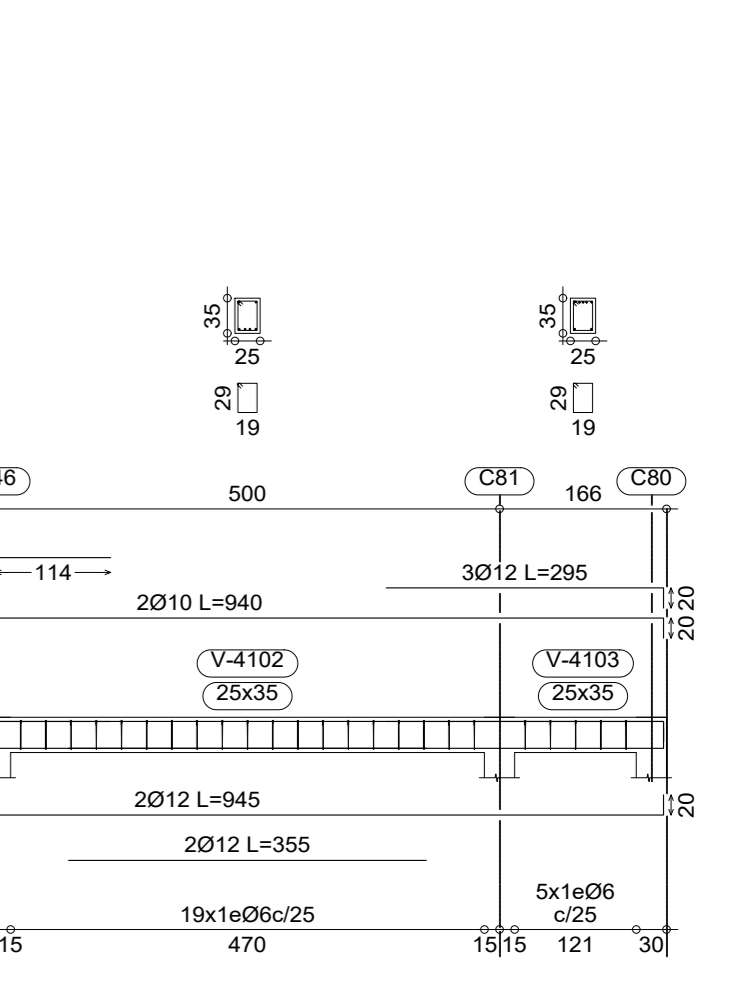
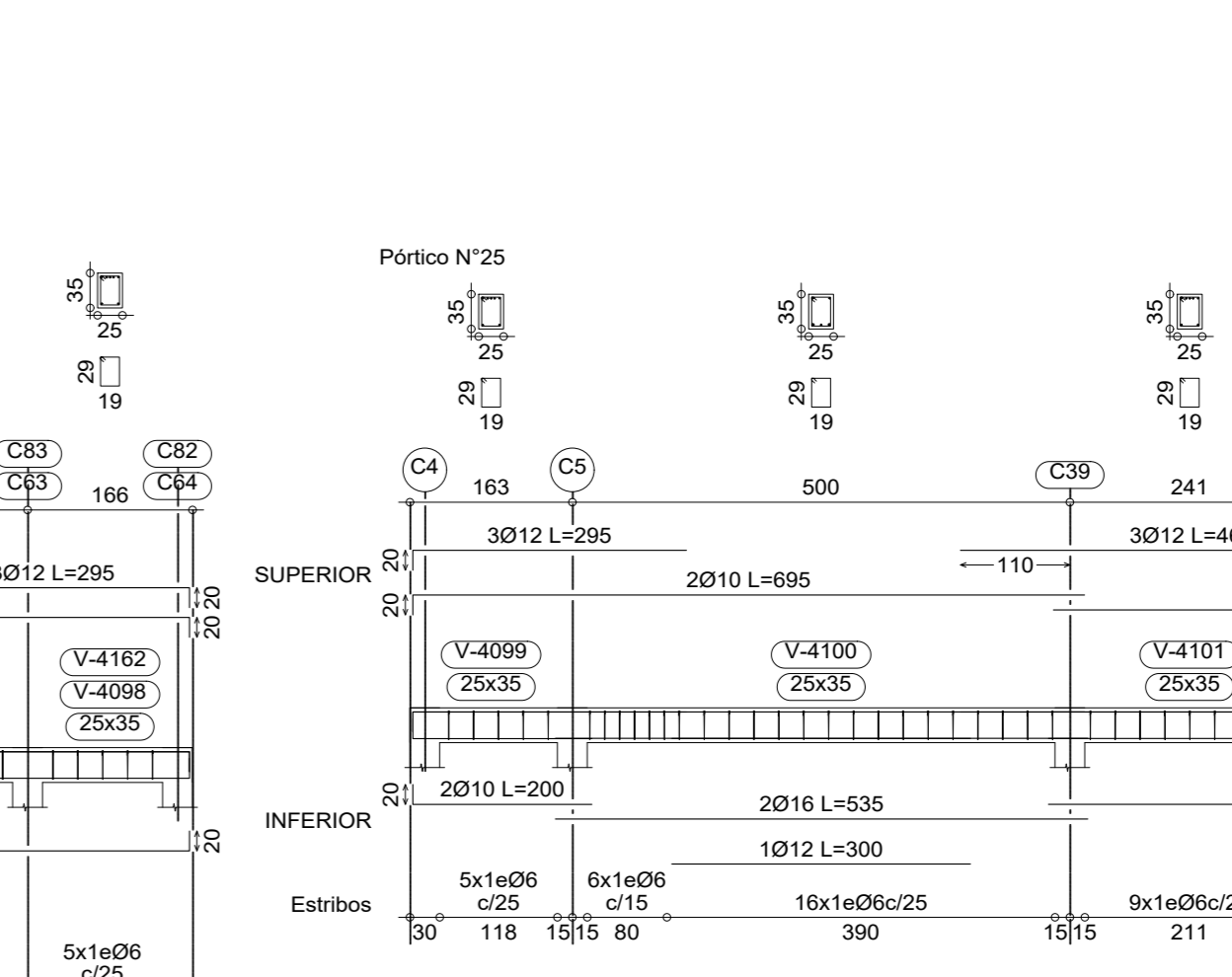
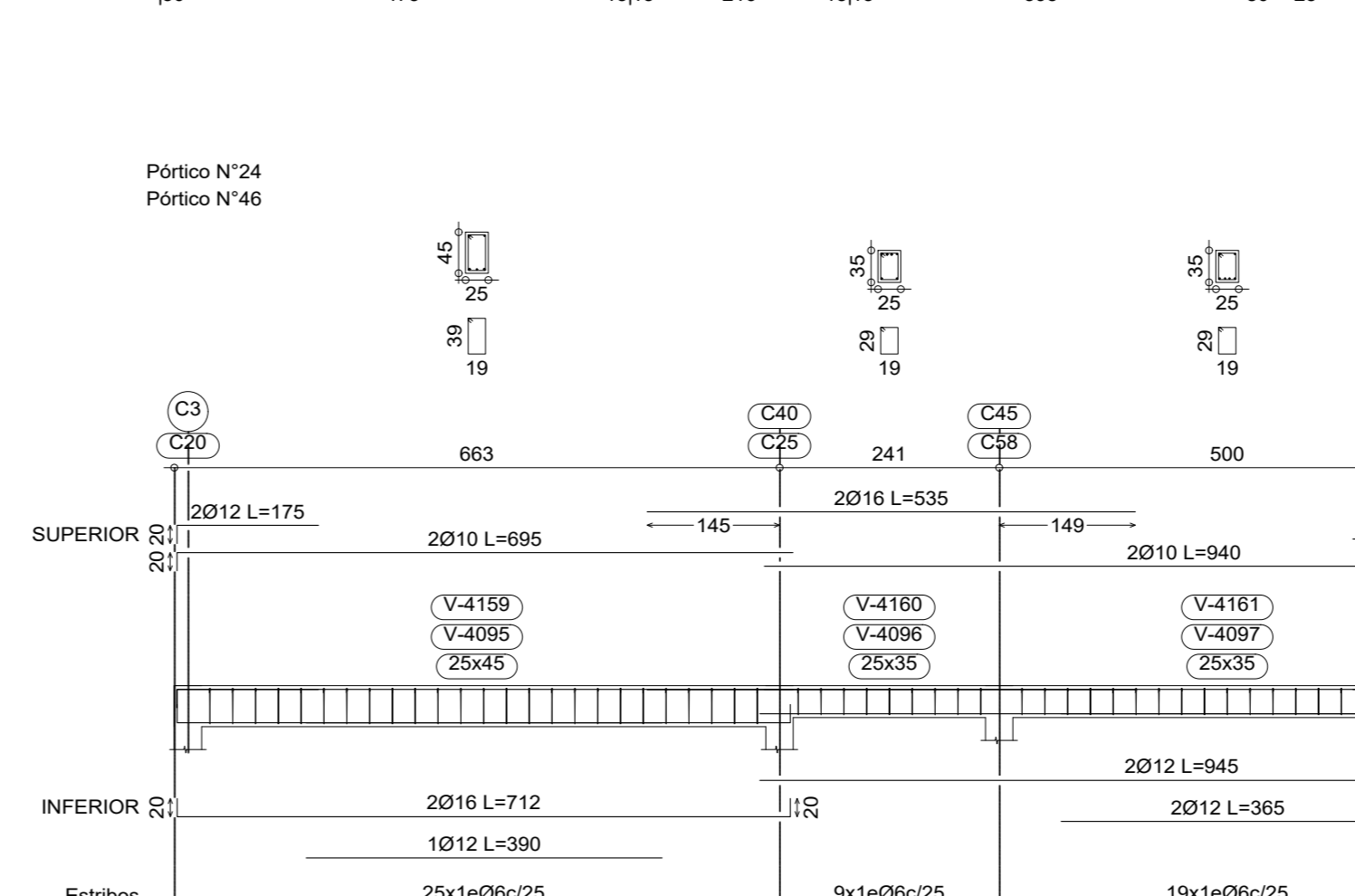
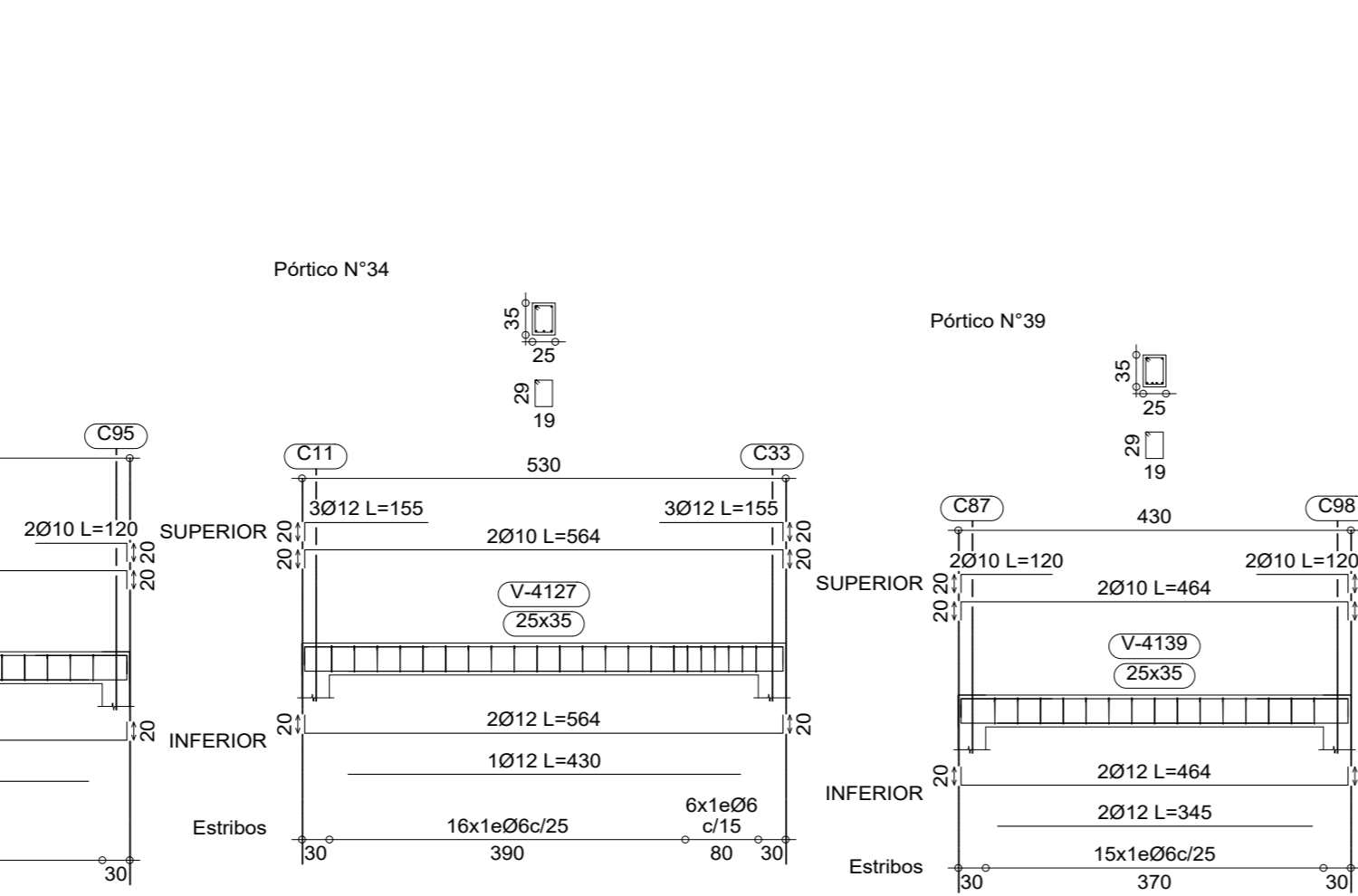
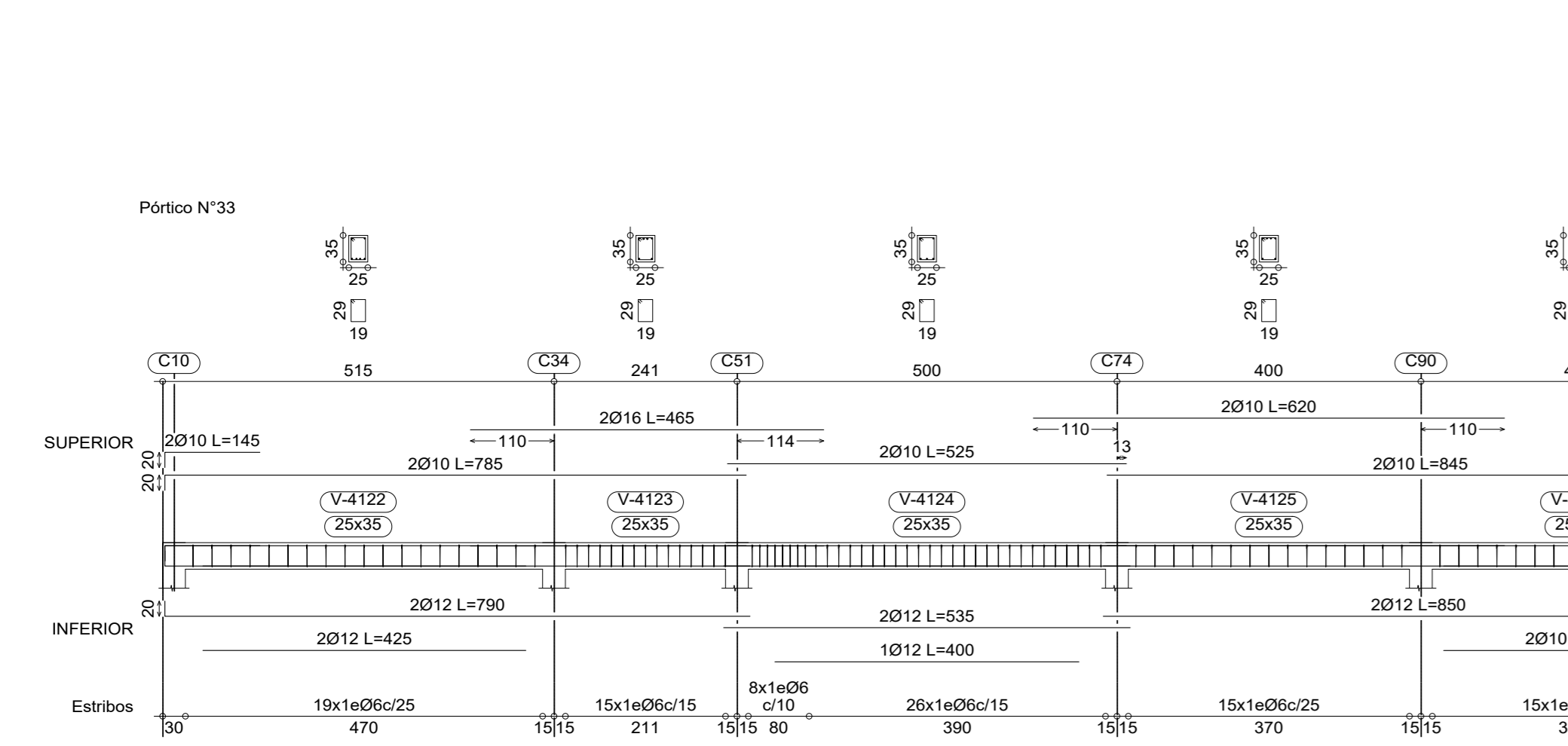
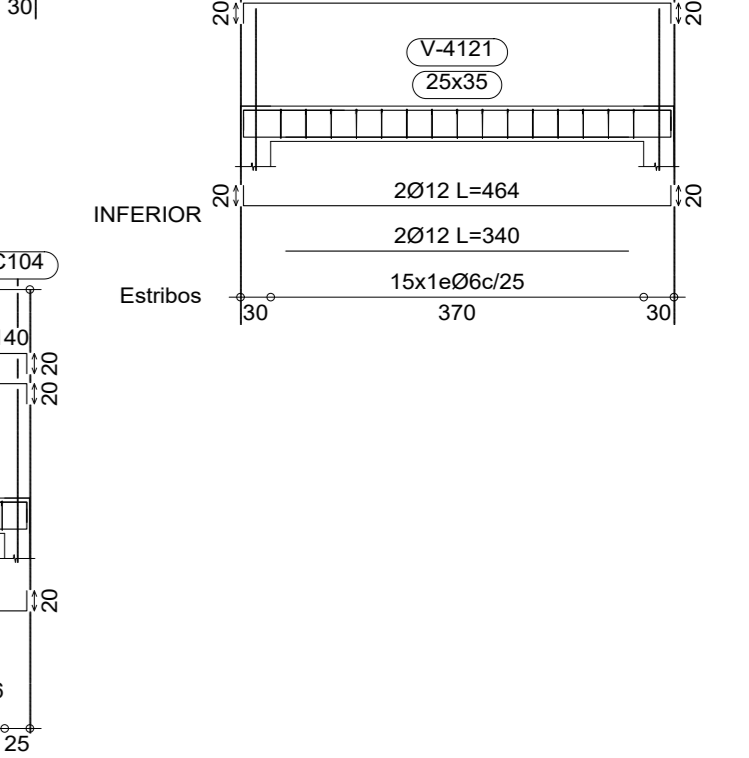
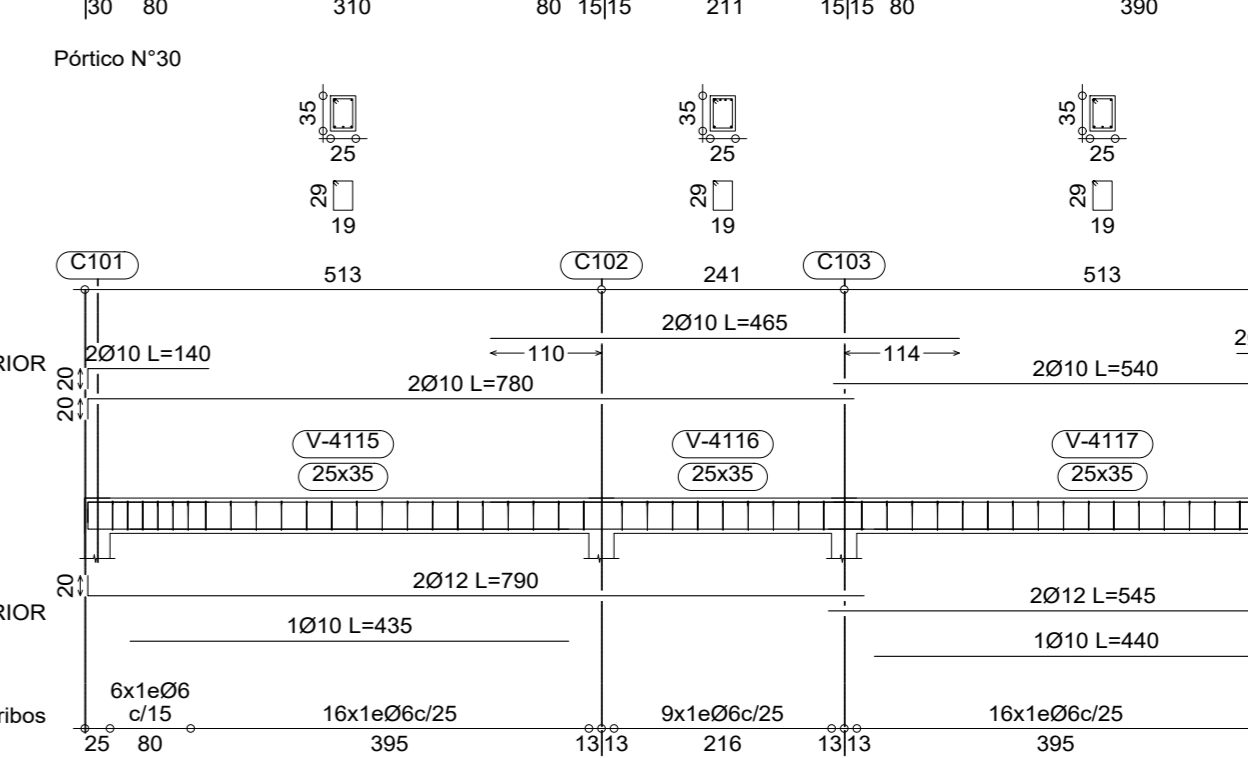
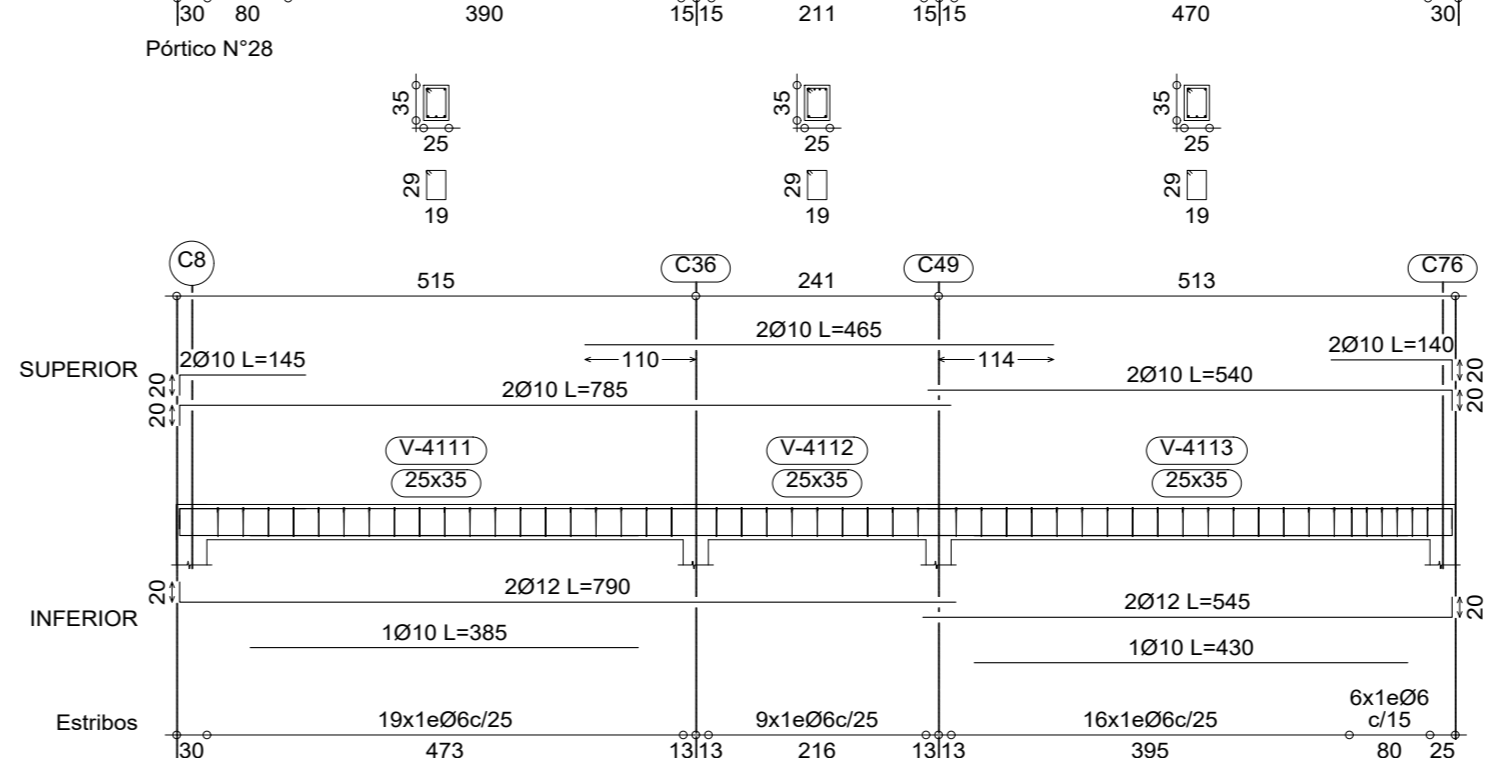
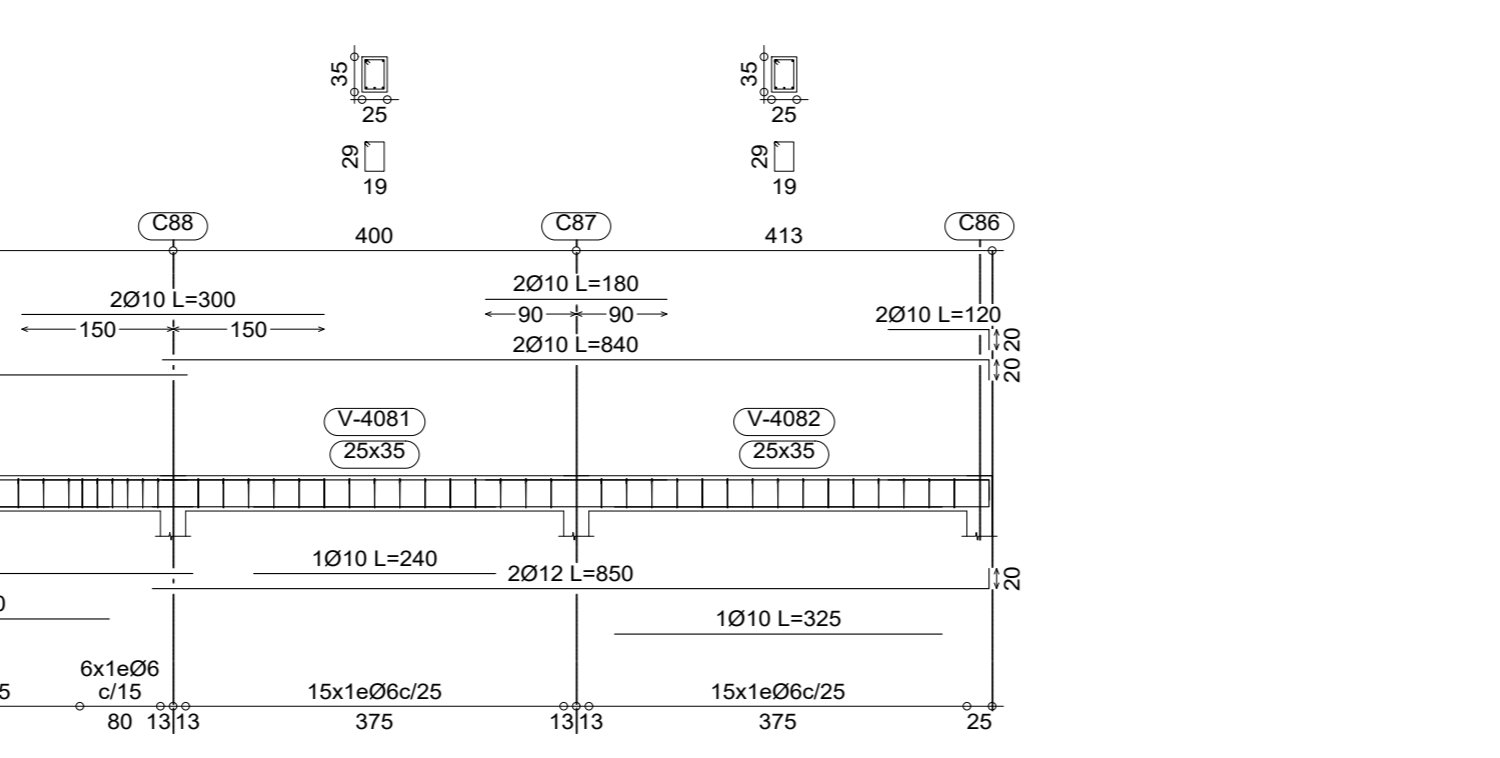
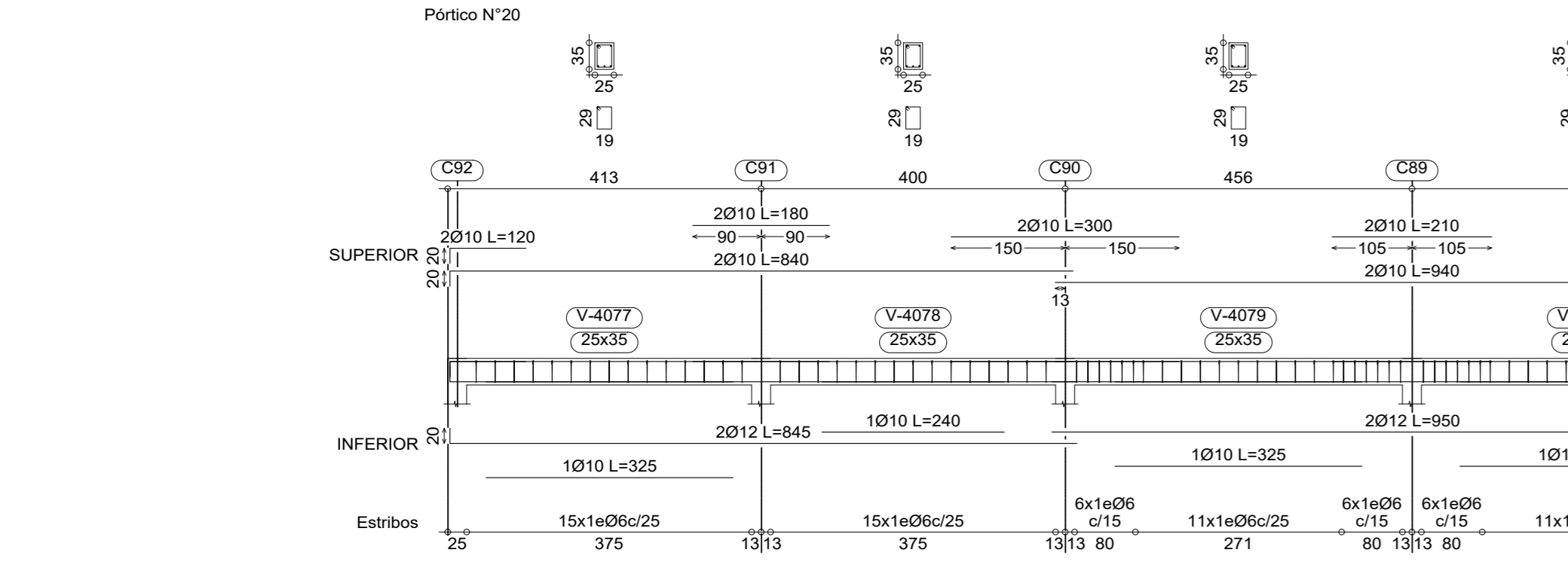
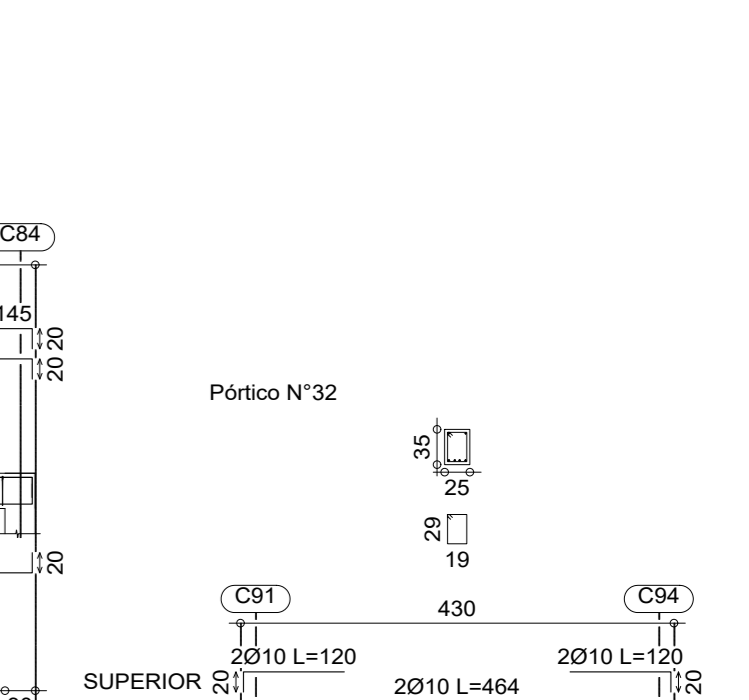
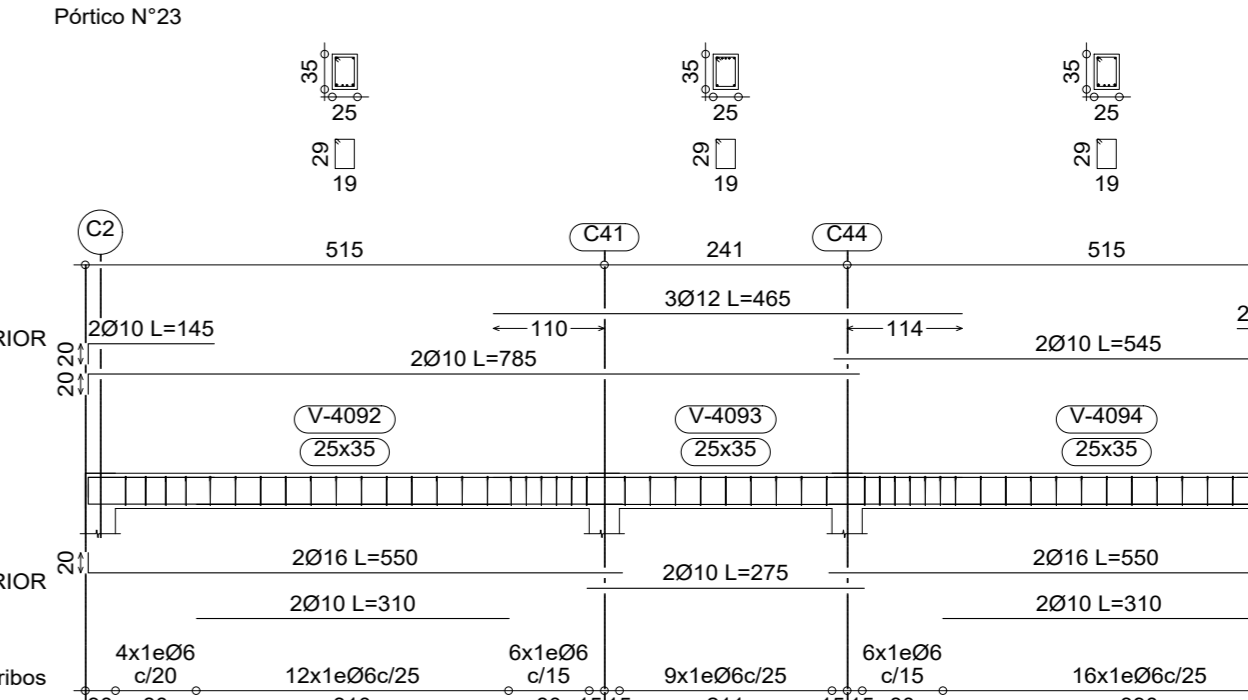
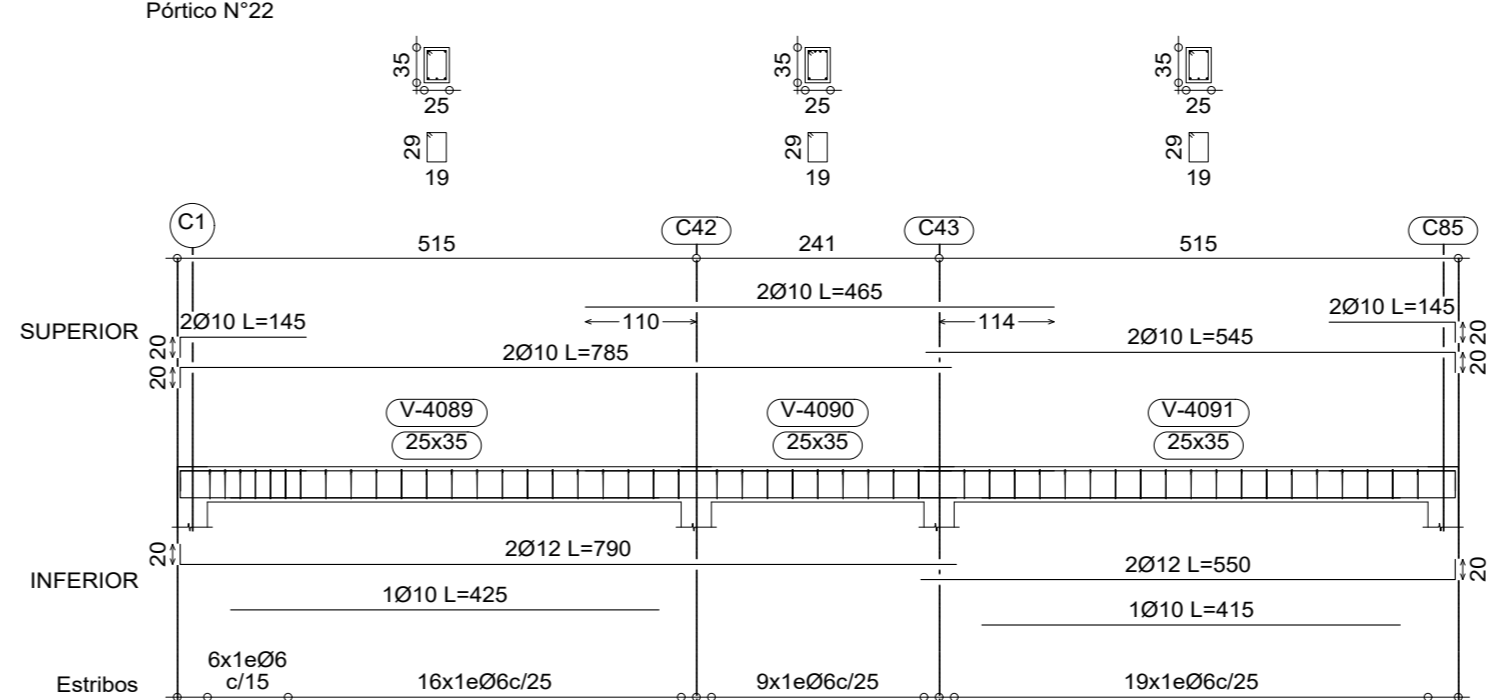
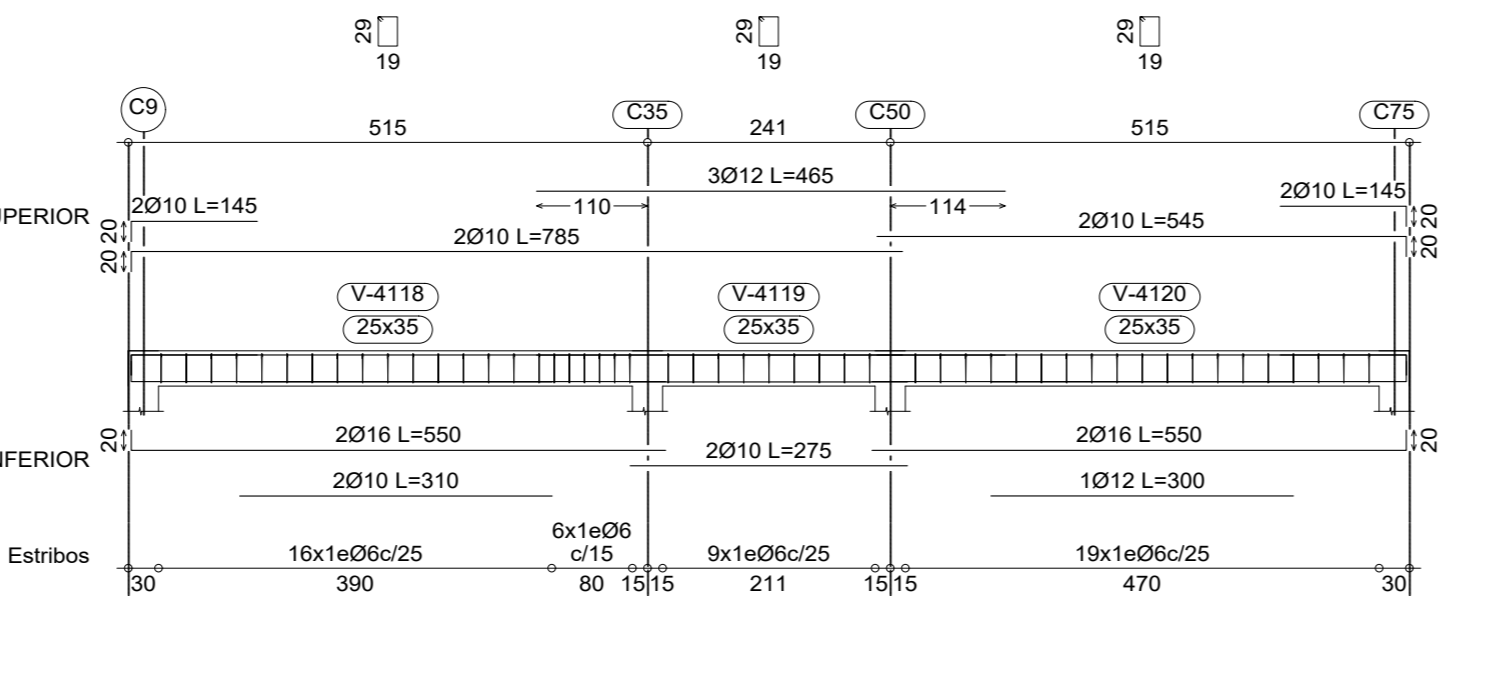
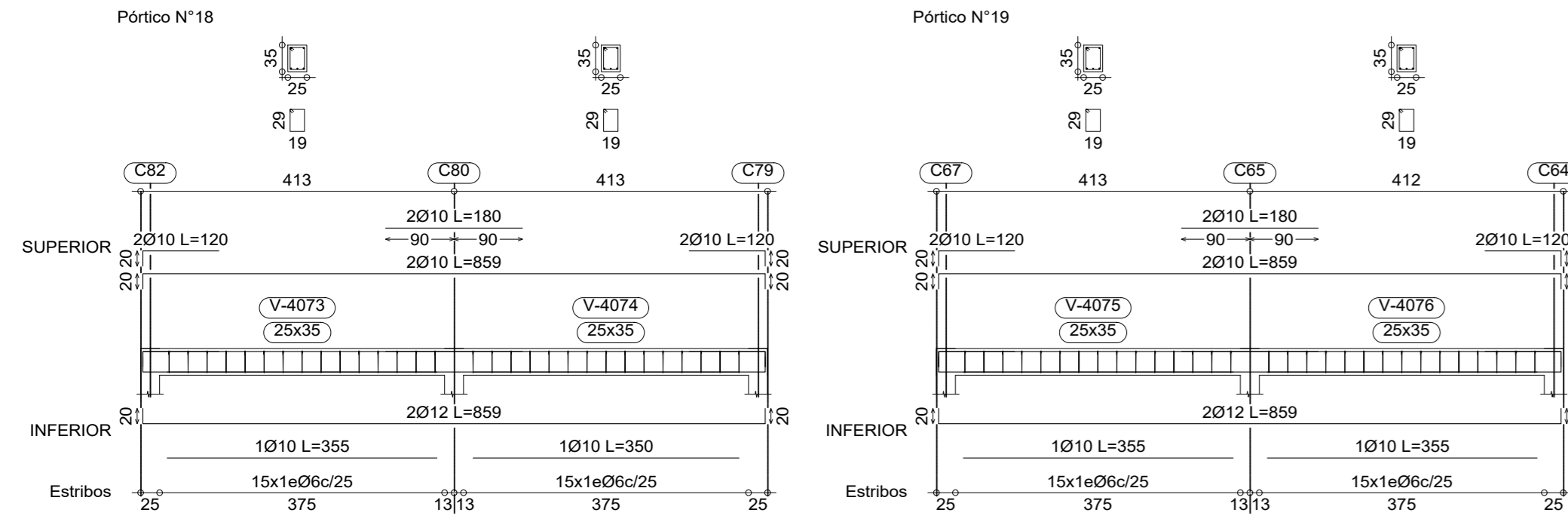
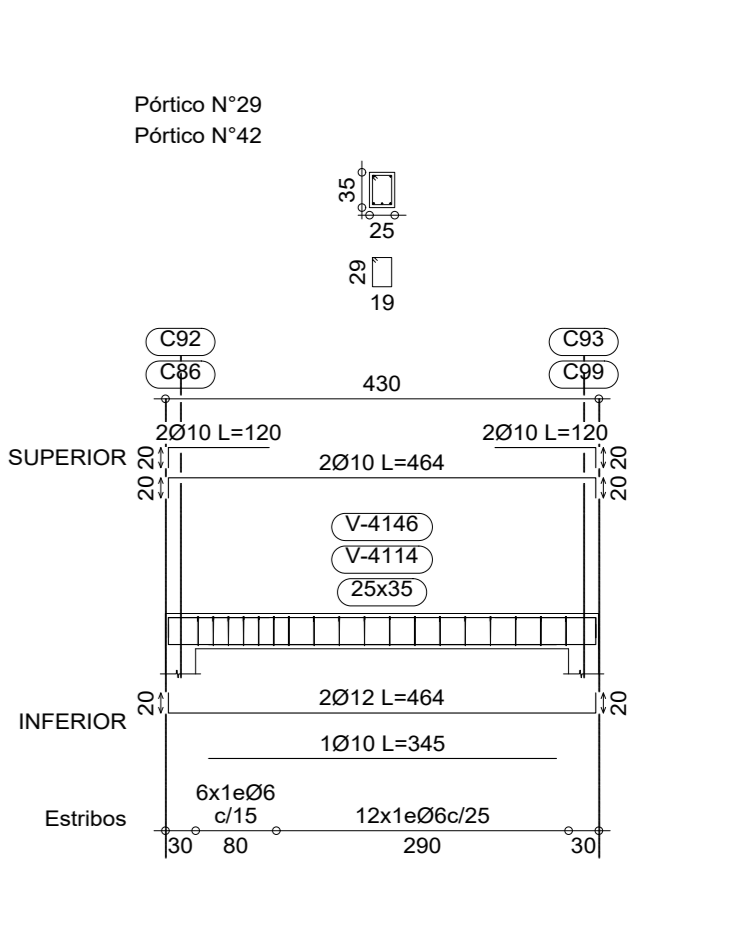
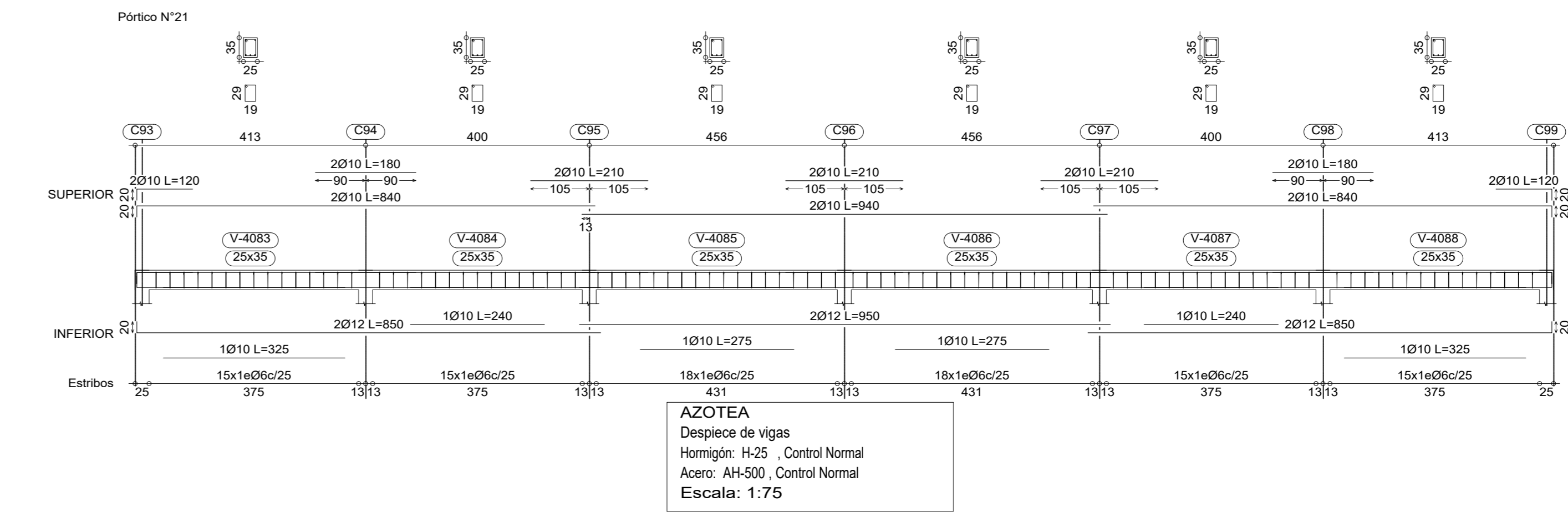
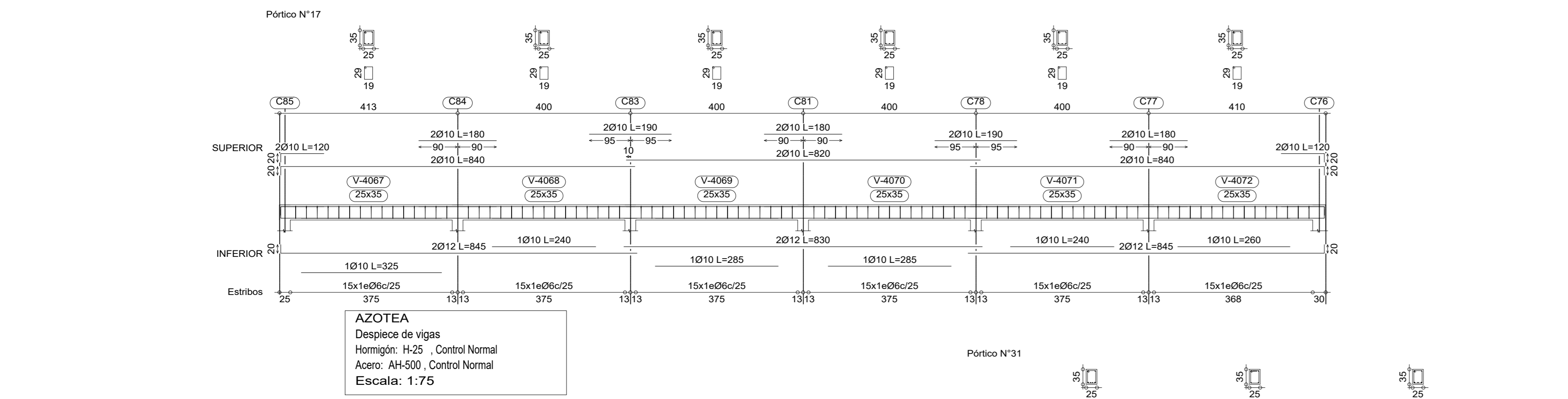
**AZOTEA**  
Despiece de vigas  
Hormigón: H-25 , Control Normal  
Acero: AH-500, Control Normal  
Escala: 1:75

**AZOTEA**  
Despiece de vigas  
Hormigón: H-25 , Control Normal  
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**AZOTEA**  
Despiece de vigas  
Hormigón: H-25 , Control Normal  
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Escala: 1:75

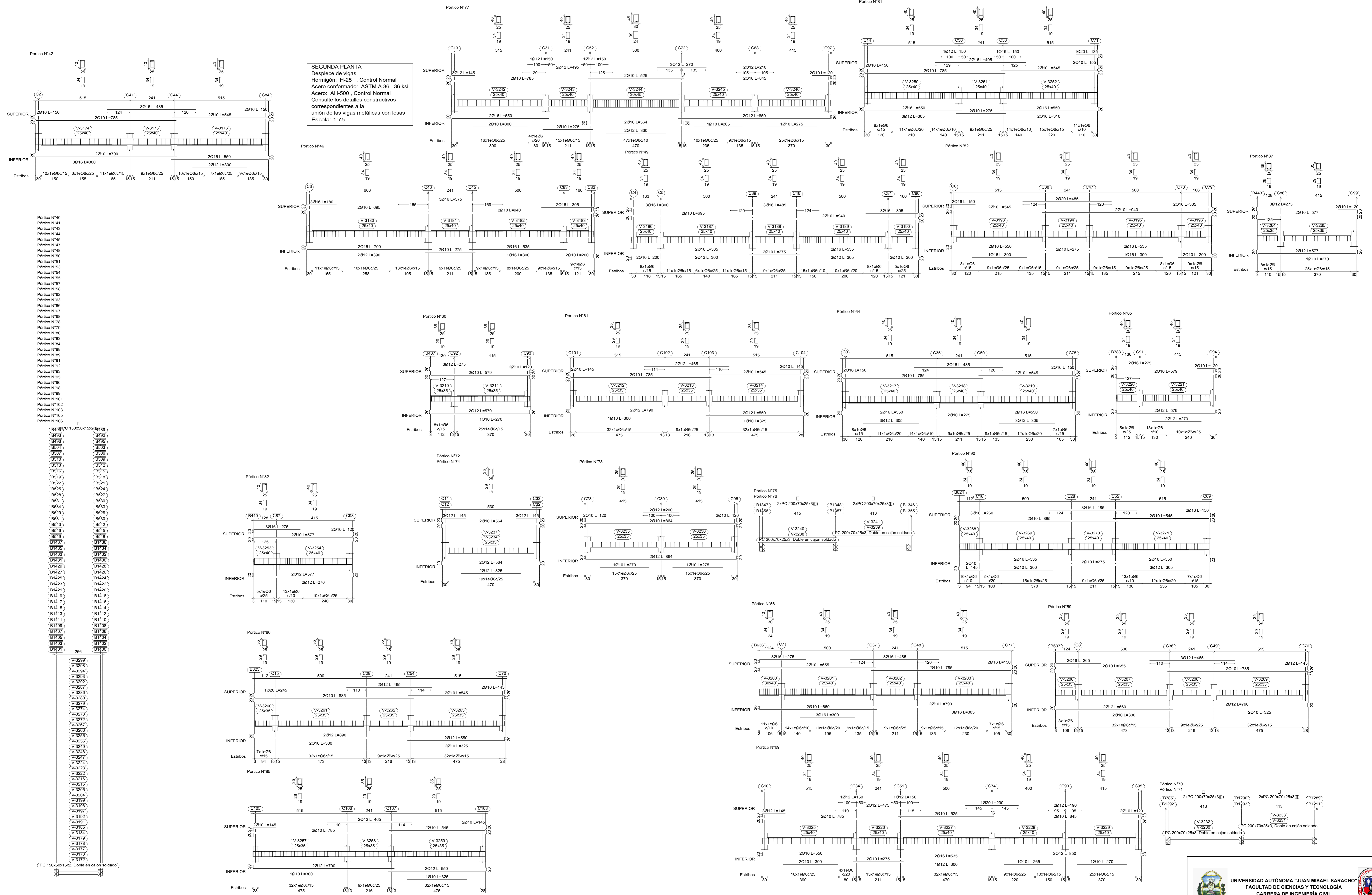
	
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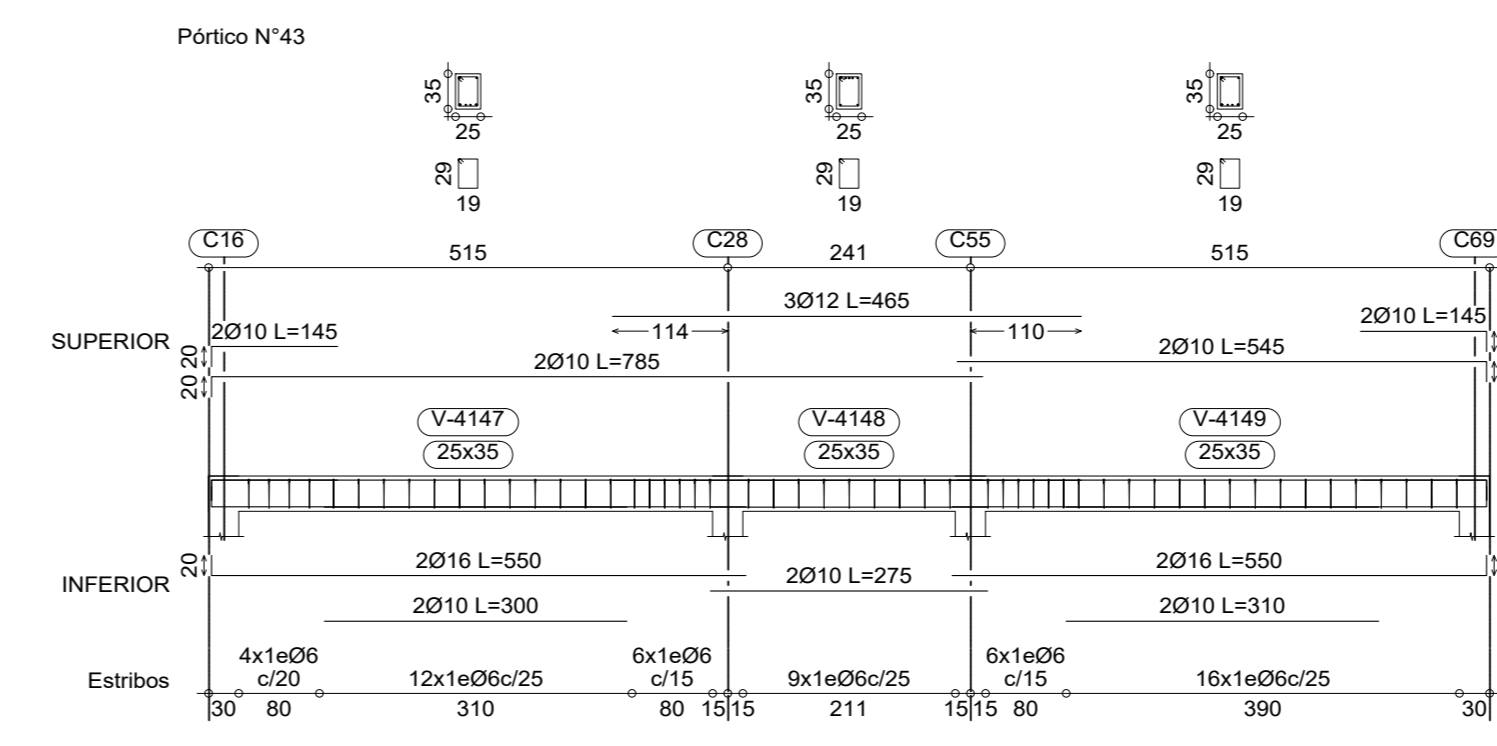
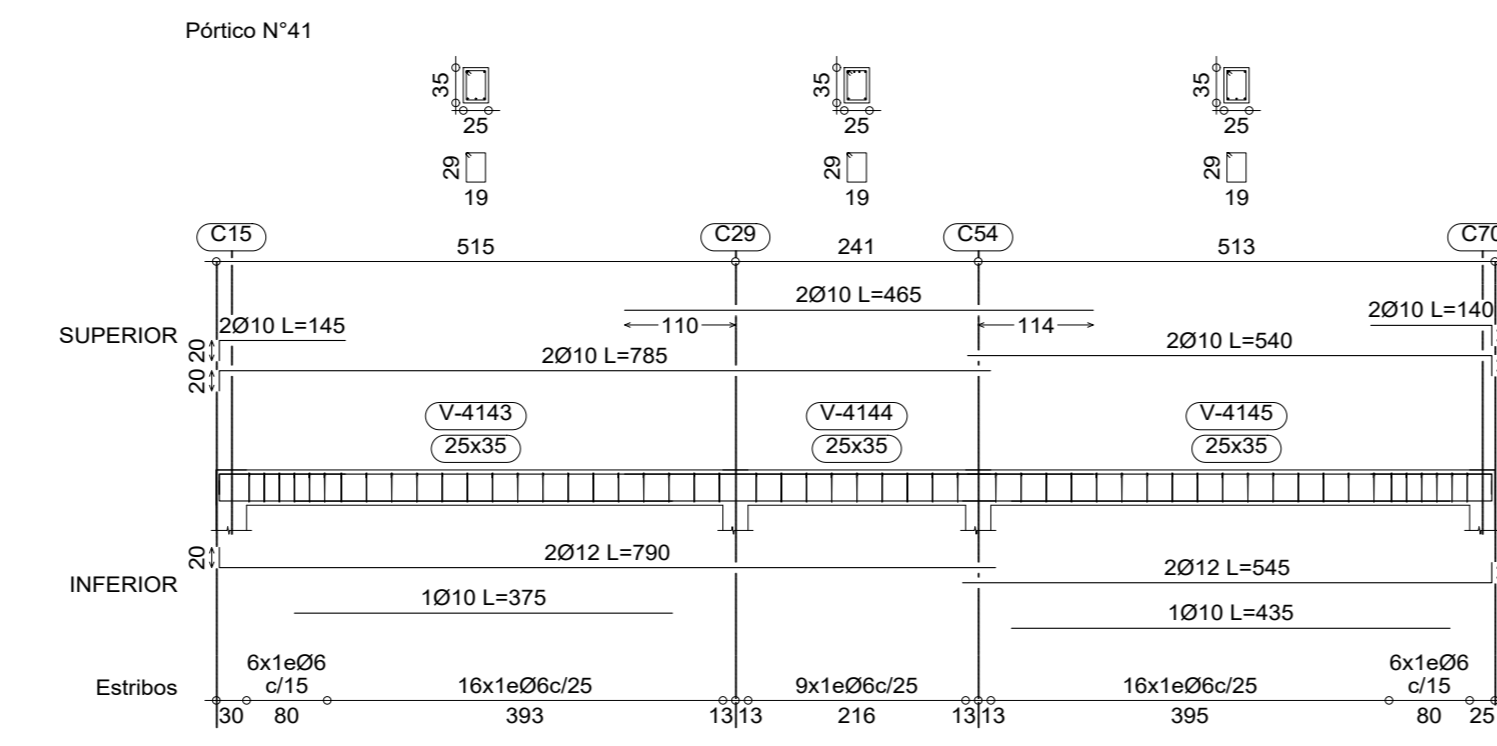
**SEGUNDA PLANTA**  
**Despiece de vigas**  
 Hormigón: H-25, Control Normal  
 Acero conformado: ASTM A 36 36 ksi  
 Acero: AH-500, Control Normal  
 Consulte los detalles constructivos correspondientes a la unión de las vigas metálicas con las losas  
 Escala: 1:75

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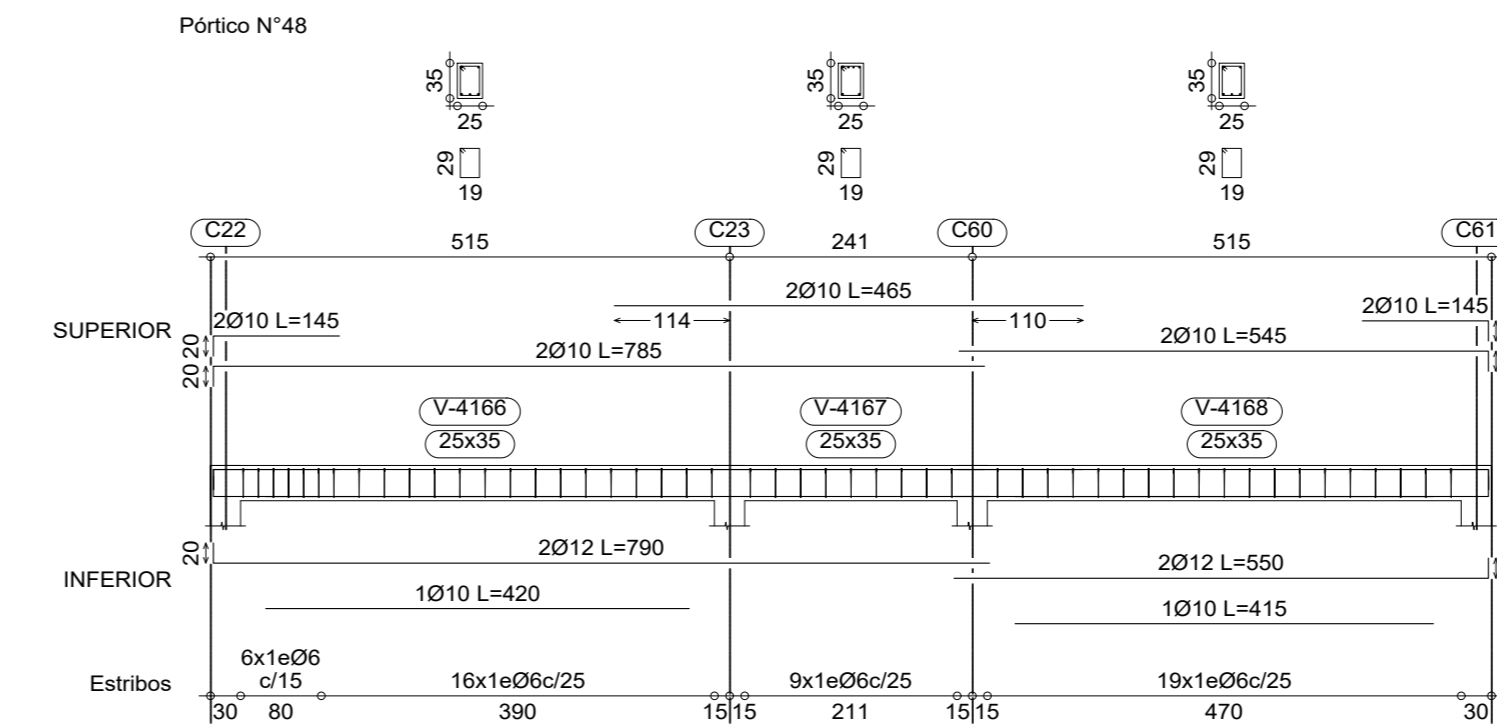
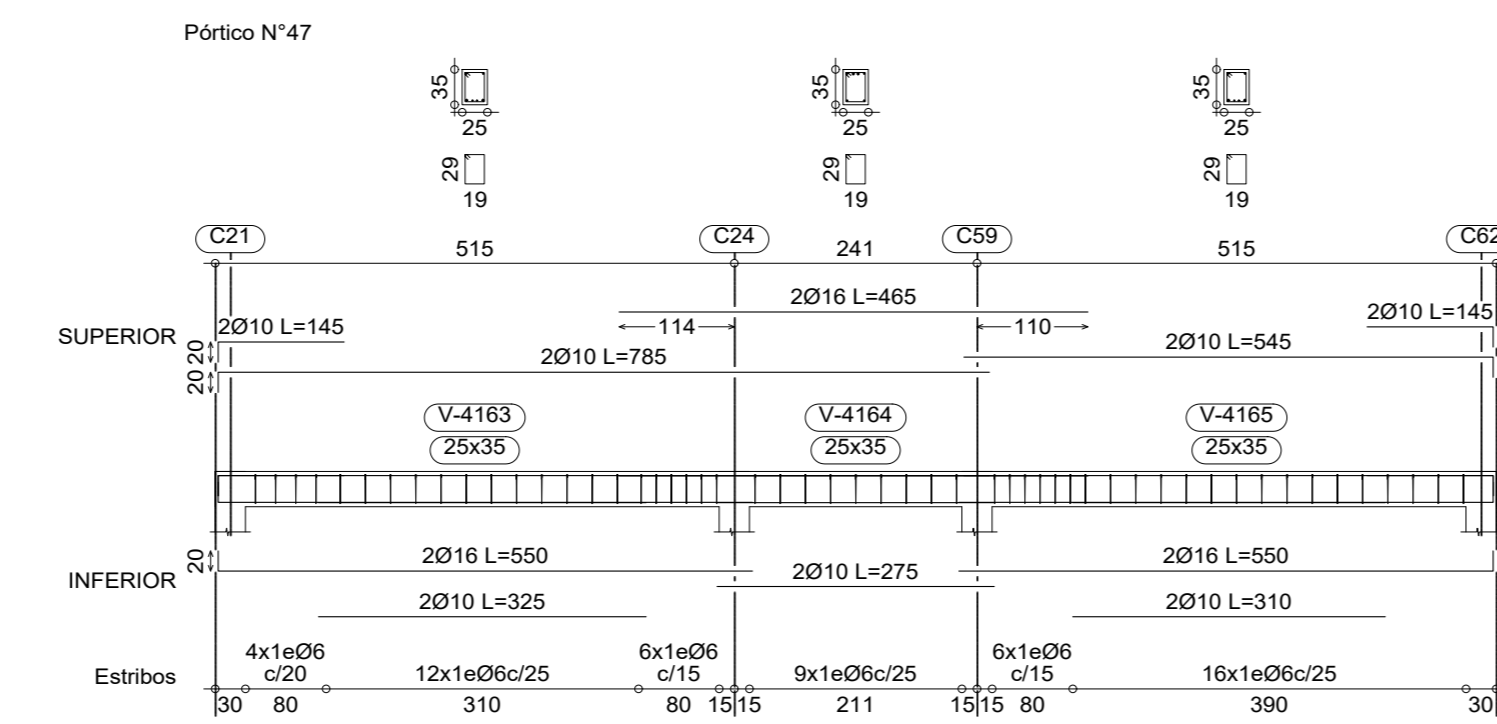
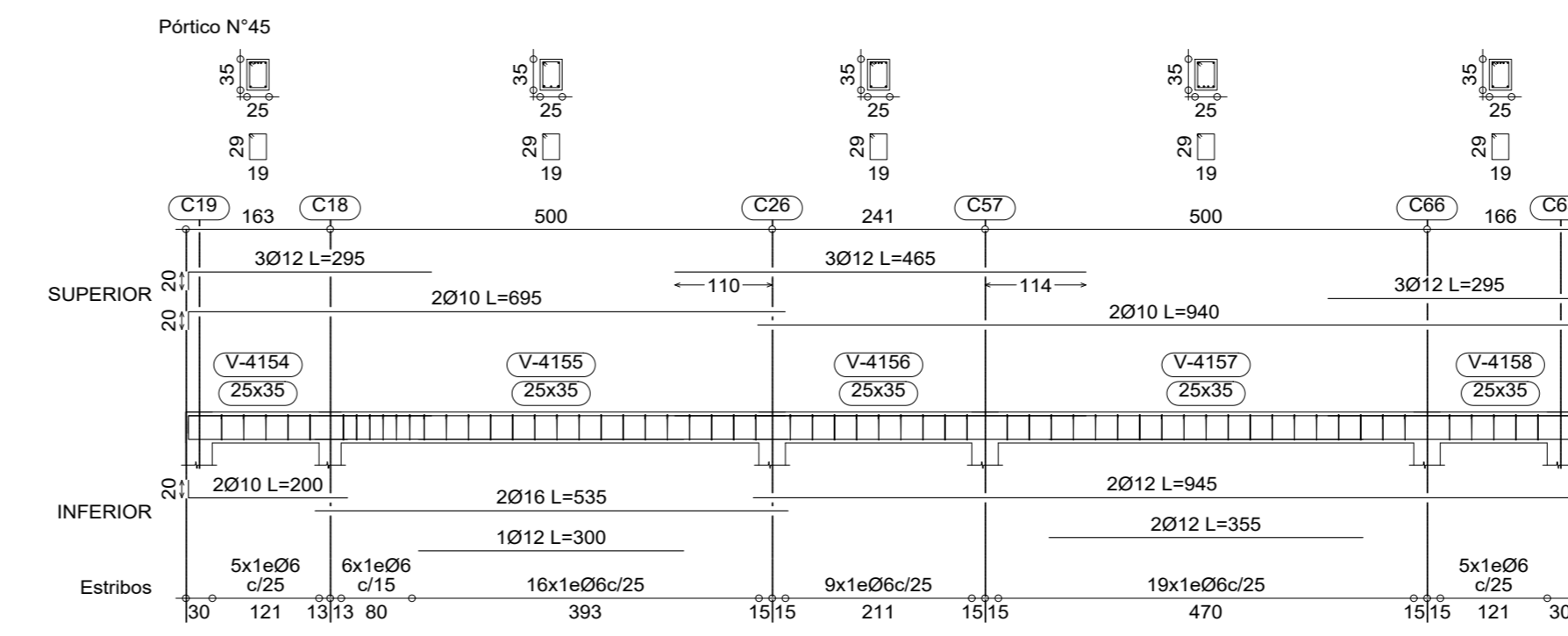
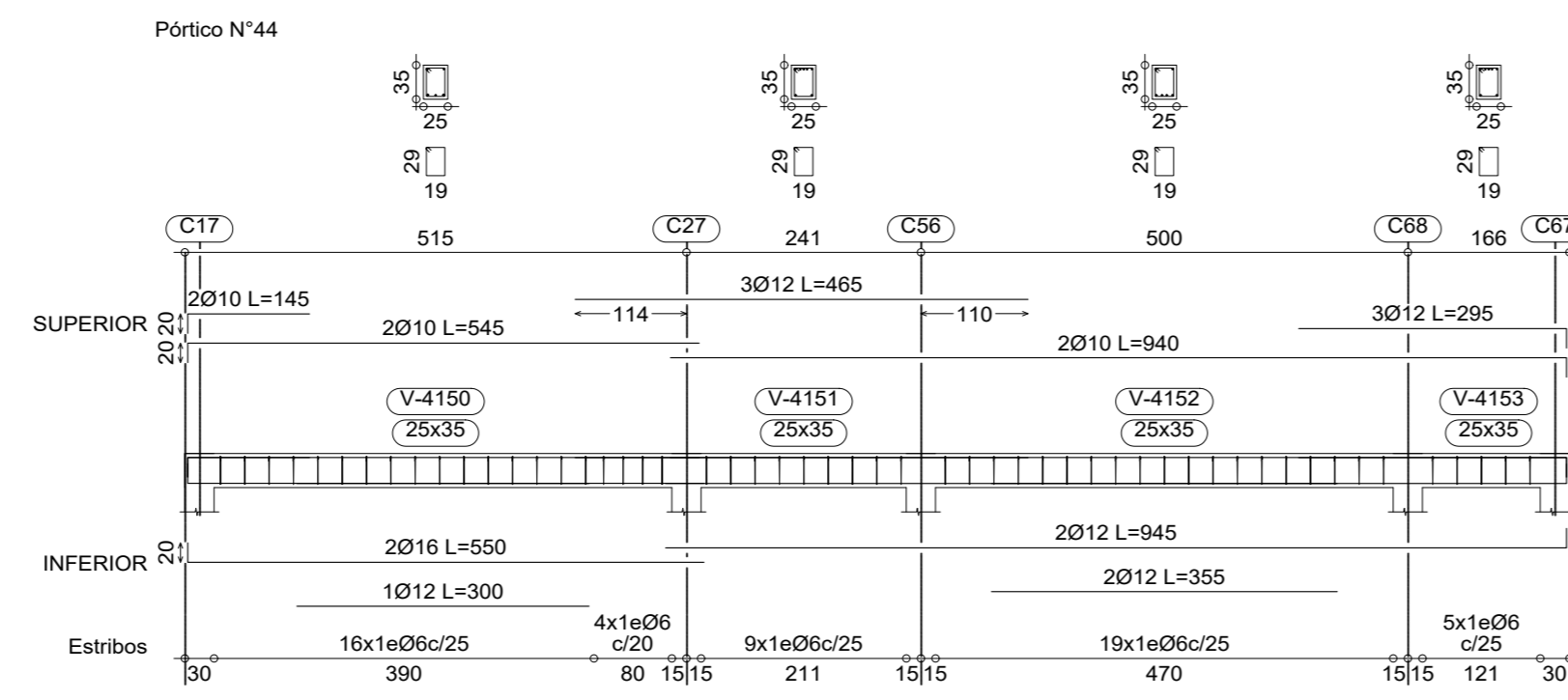
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**AZOTEA**  
 Despiece de vigas  
 Hormigón: H-25 Control Normal  
 Acero: AH-500 Control Normal  
 Escala: 1:75



UNIVERSIDAD AUTÓNOMA "JUAN MISAEL SARACHO" FACULTAD DE CIENCIAS Y TECNOLOGÍA CARRERA DE INGENIERÍA CIVIL		
TÍTULO:	CONTENIDO:	
CÁLCULO ESTRUCTURAL DEL "INTERNADO INSTITUTO MODELO NORMAL SUPERIOR DE CANASMORO U.A.J.M.S."	DETALLE DEL ARMADO DE VIGAS	
UNIVERSITARIO:	ESCALA:	LAMINA:
BLADIMIR ENRIQUE APARICIO MIRANDA	INDICADAS	20/22
VobO	FECHA:	JUNIO DE 2023