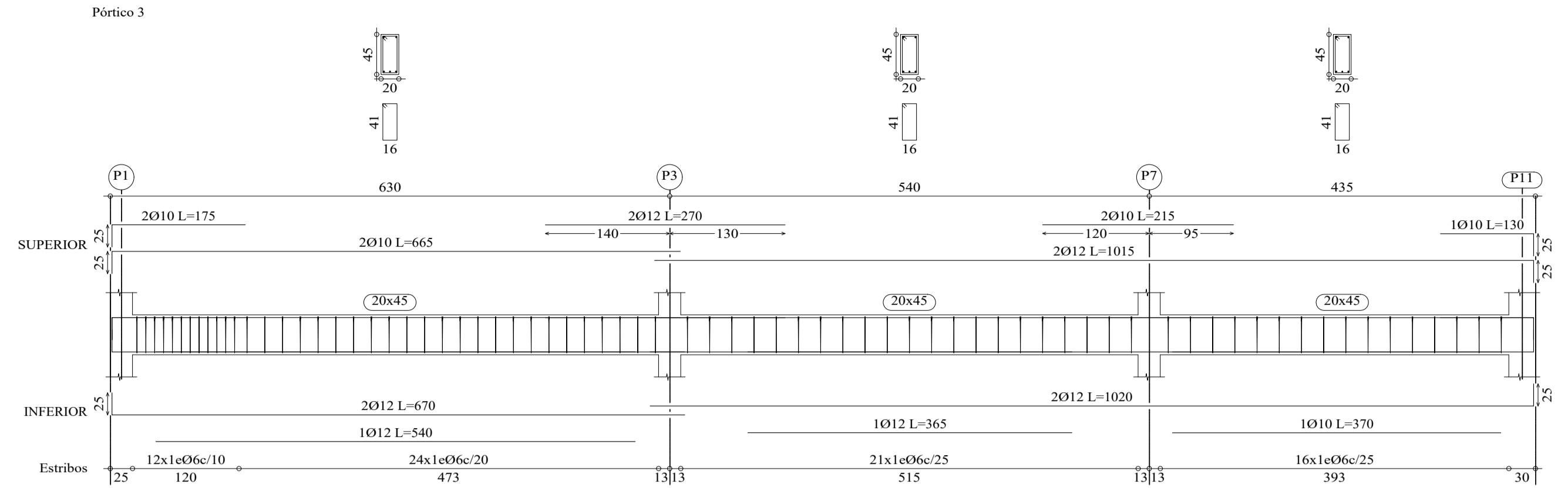
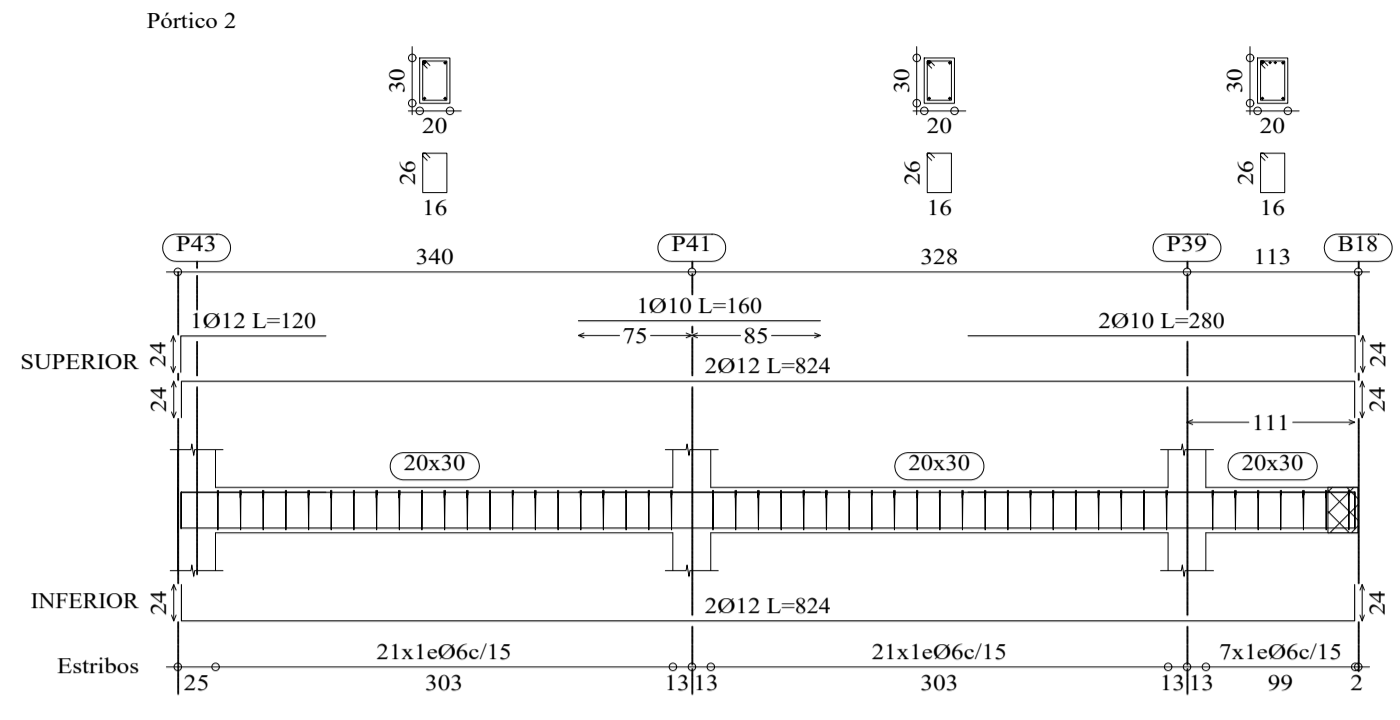
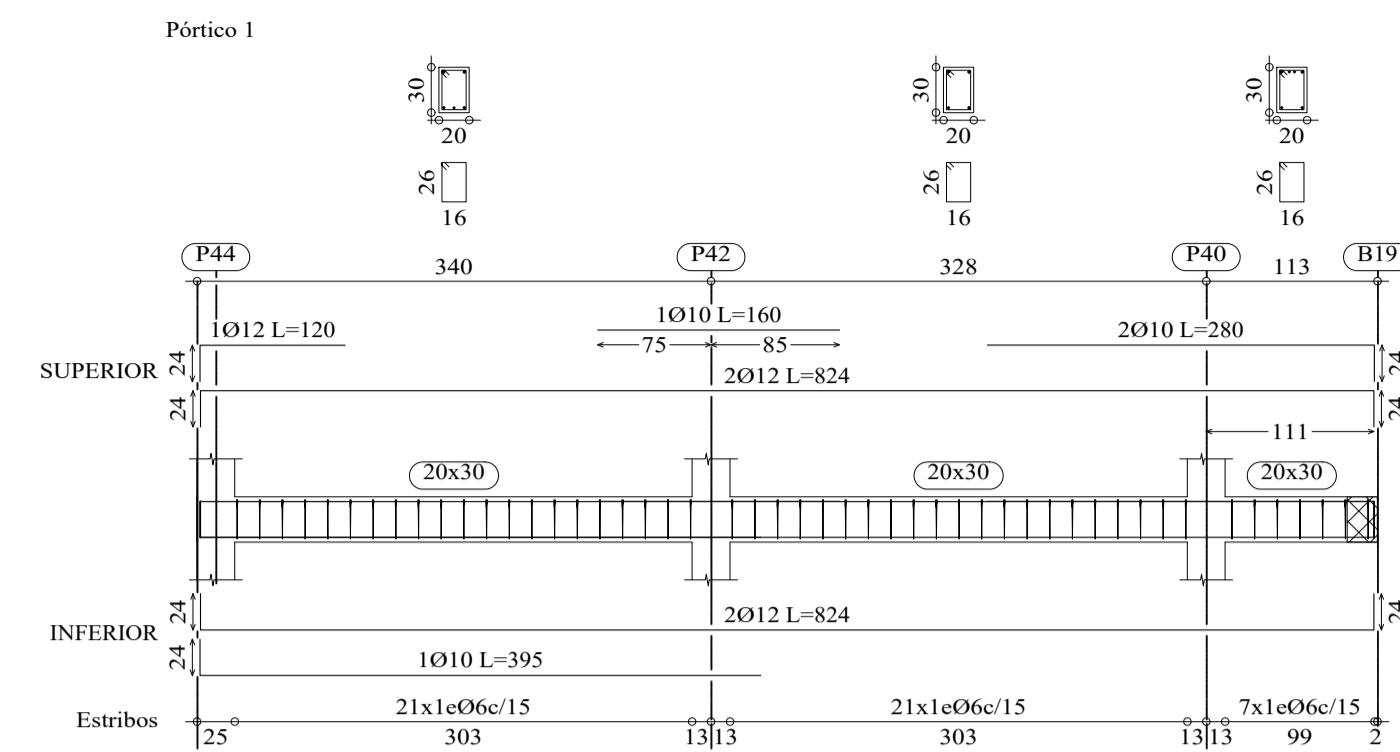


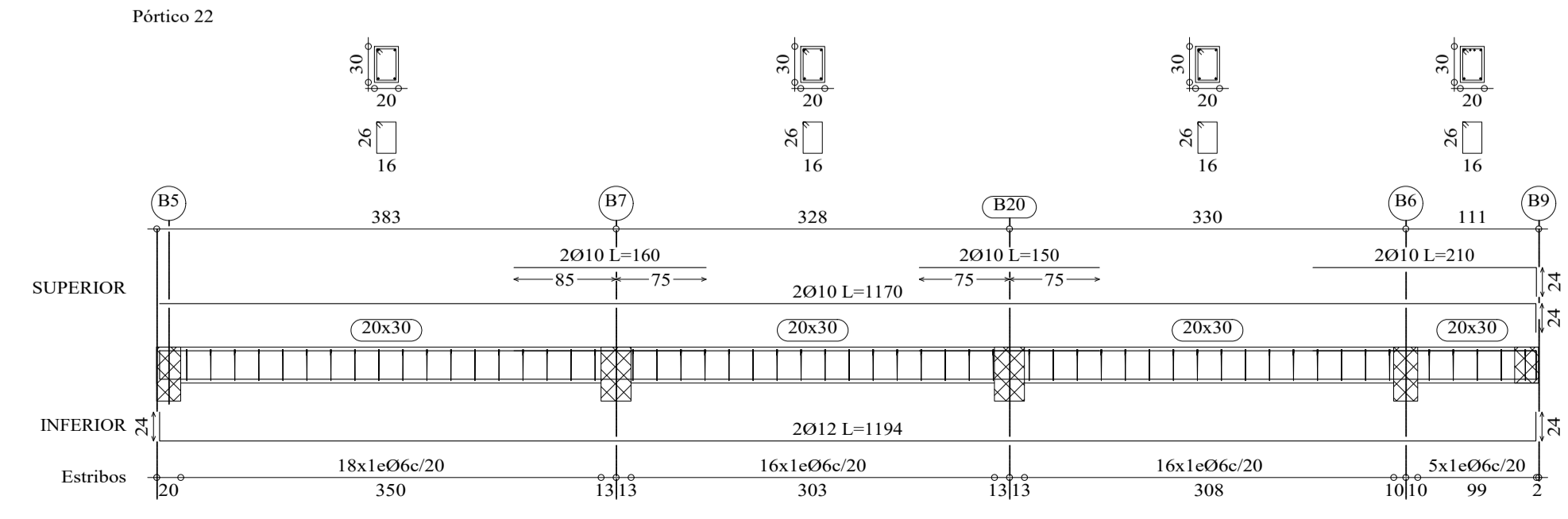
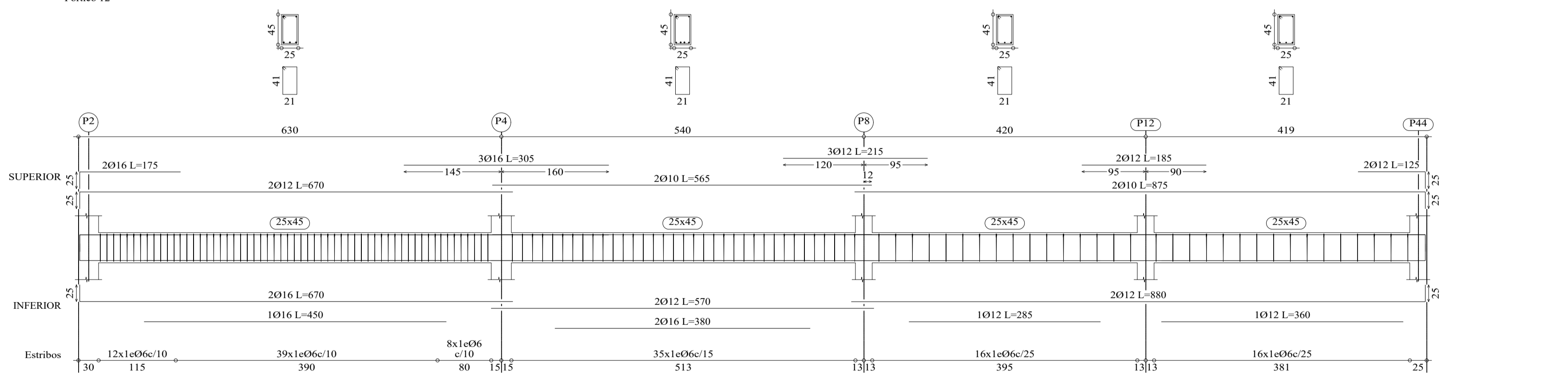
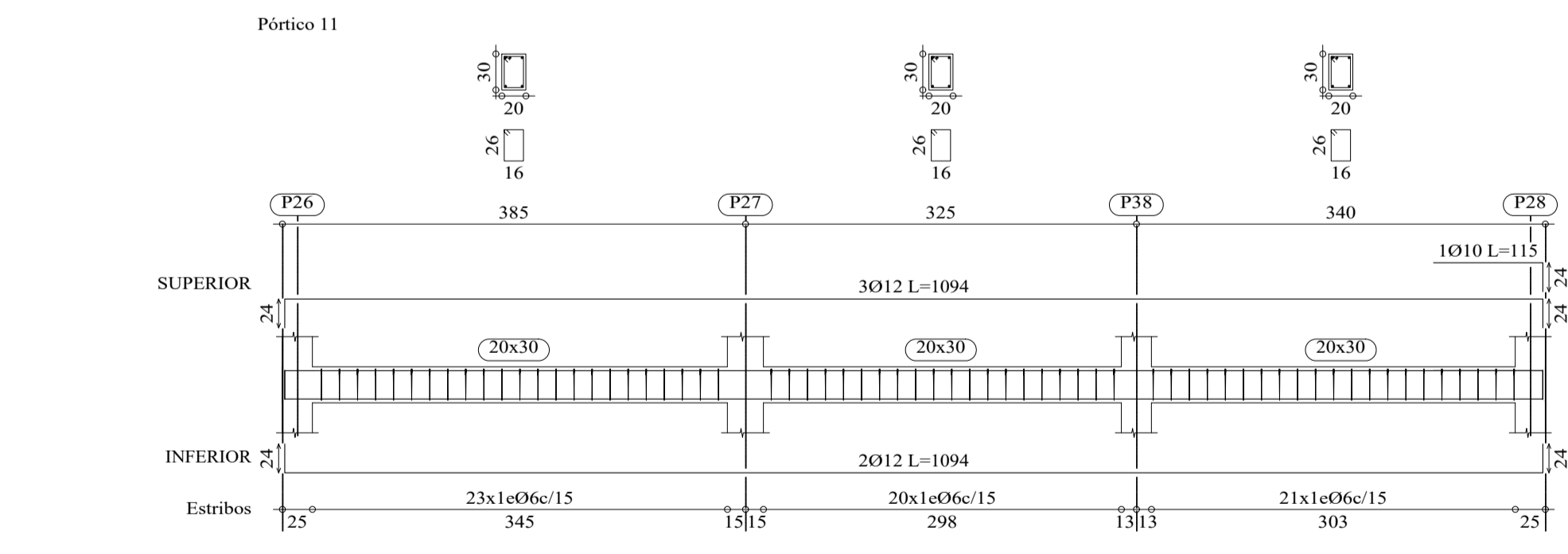
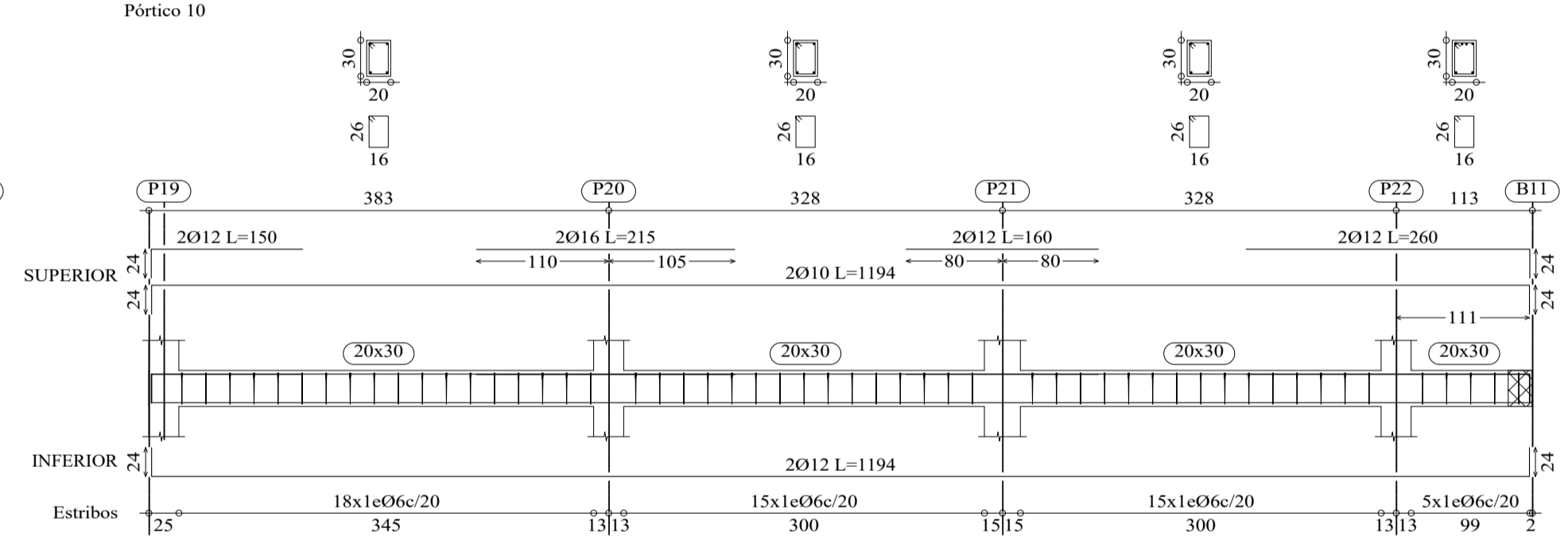
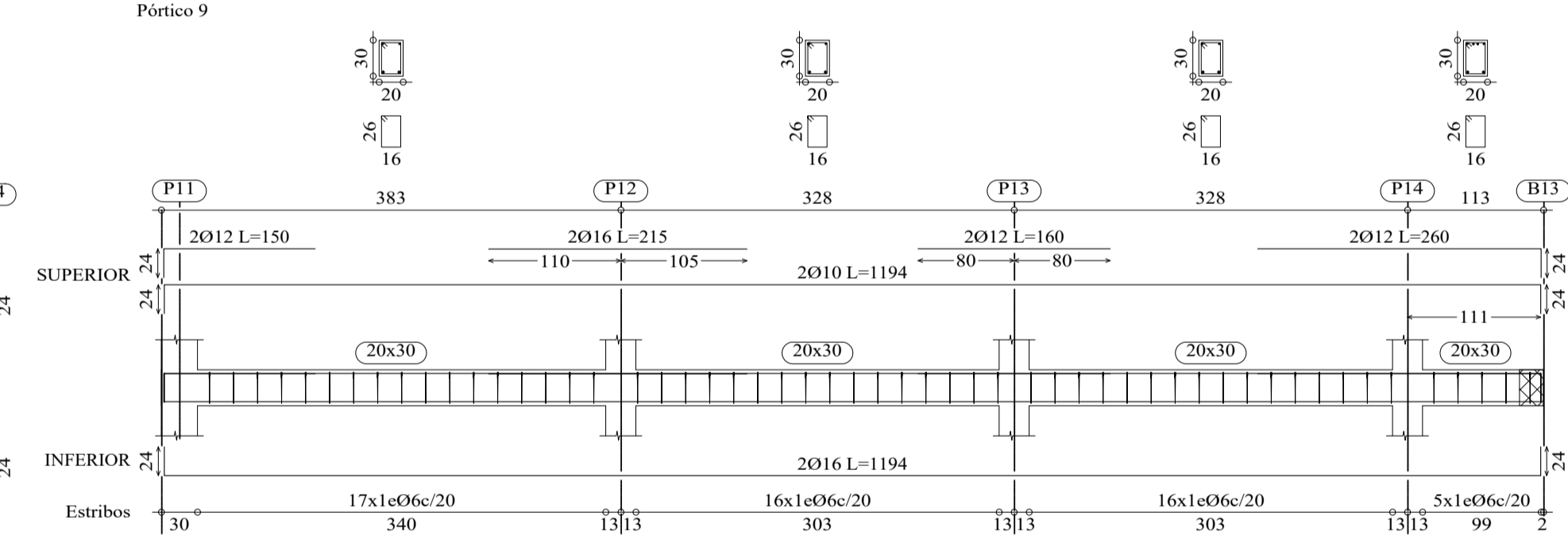
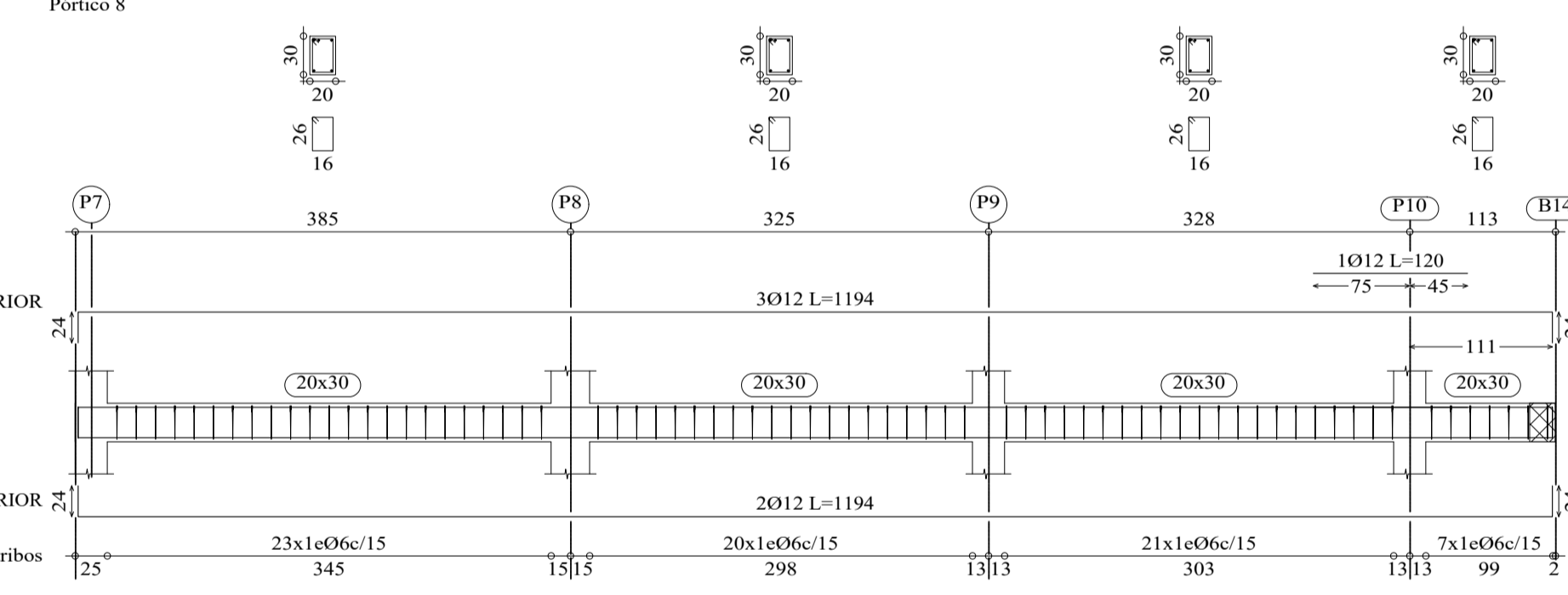
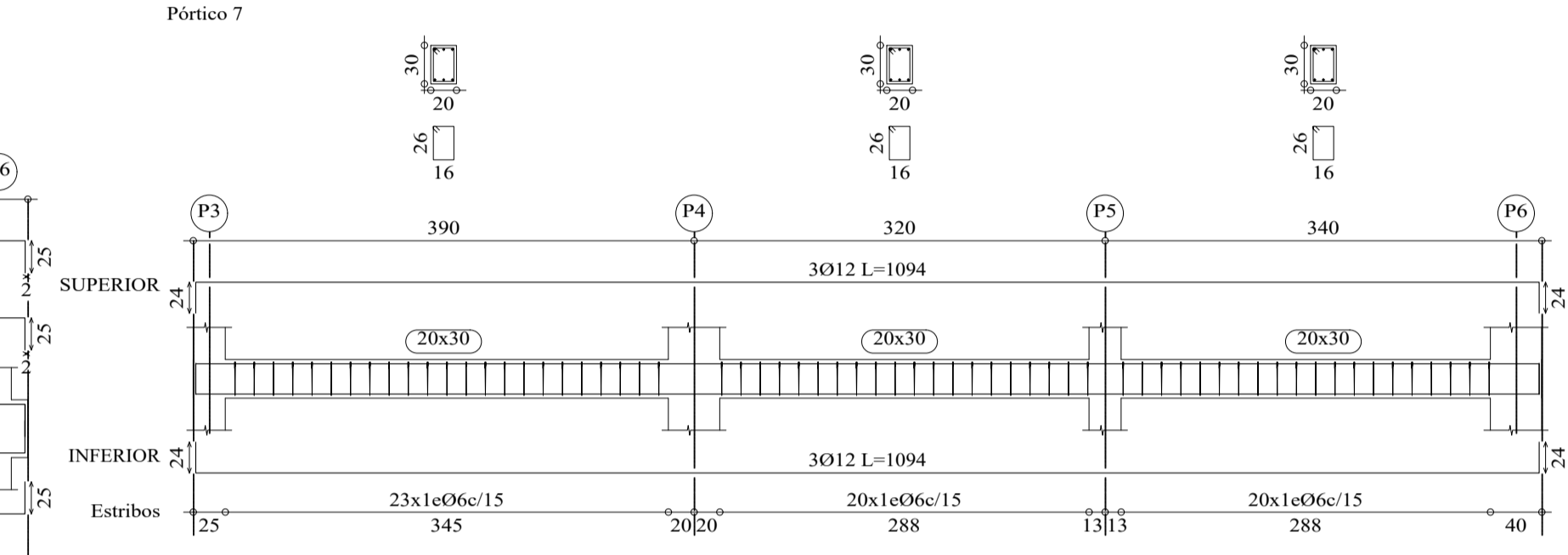
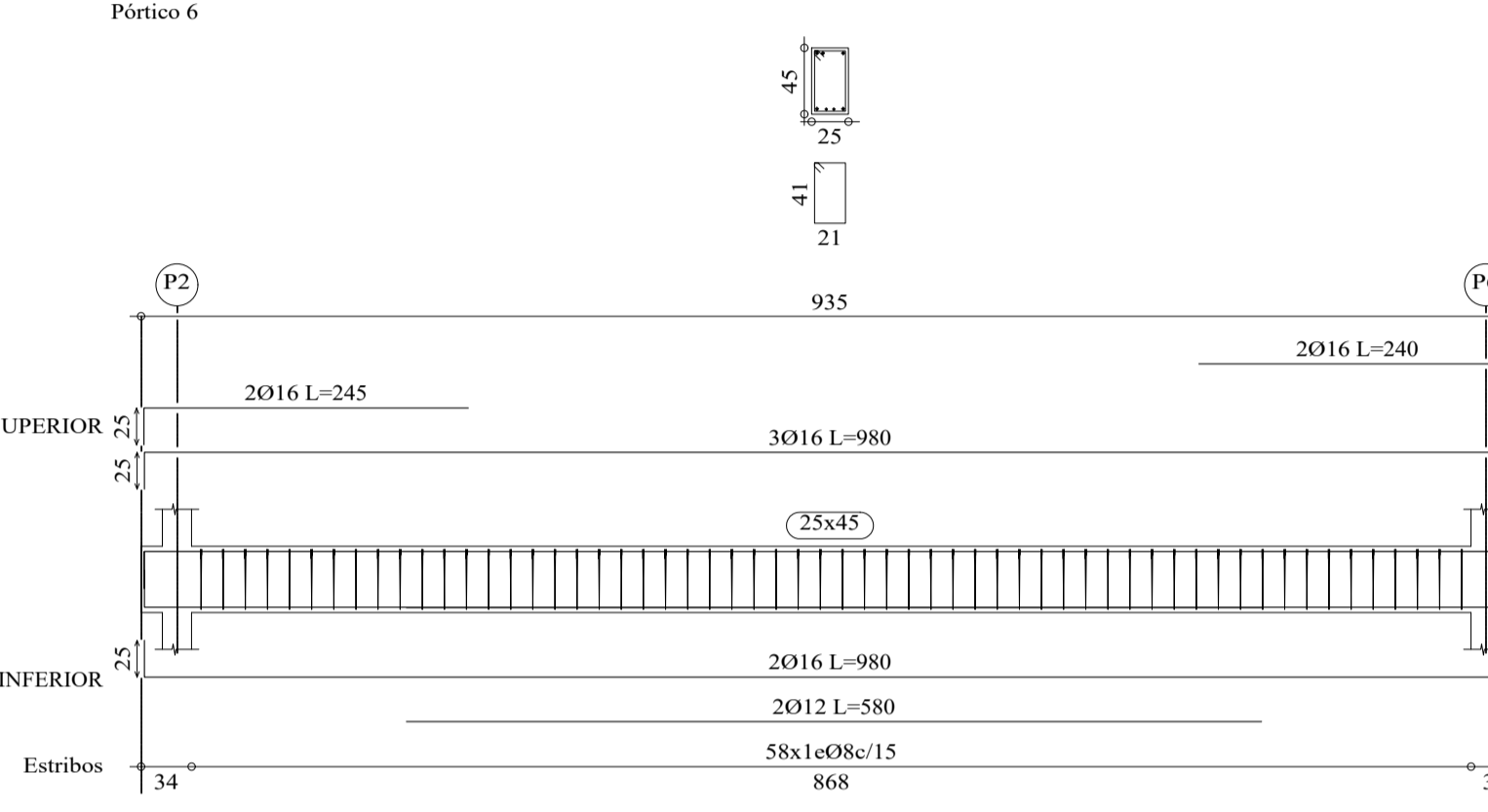
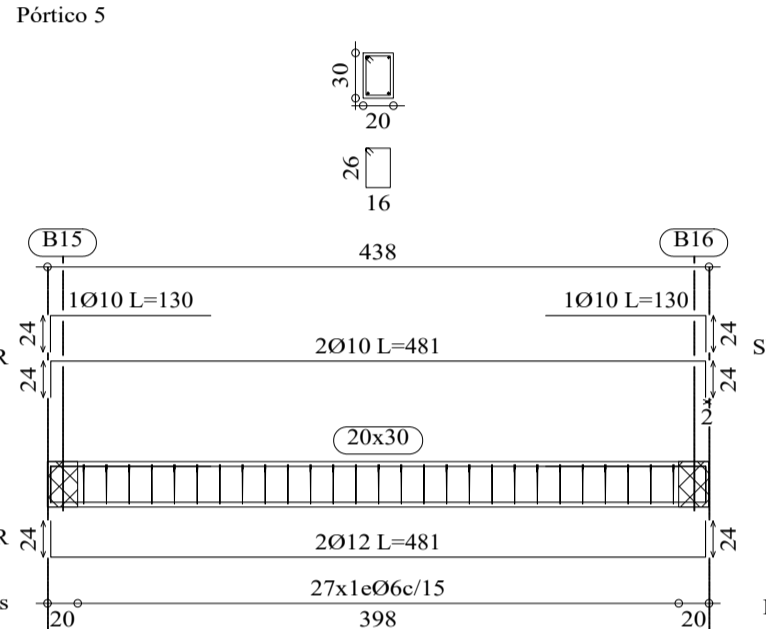
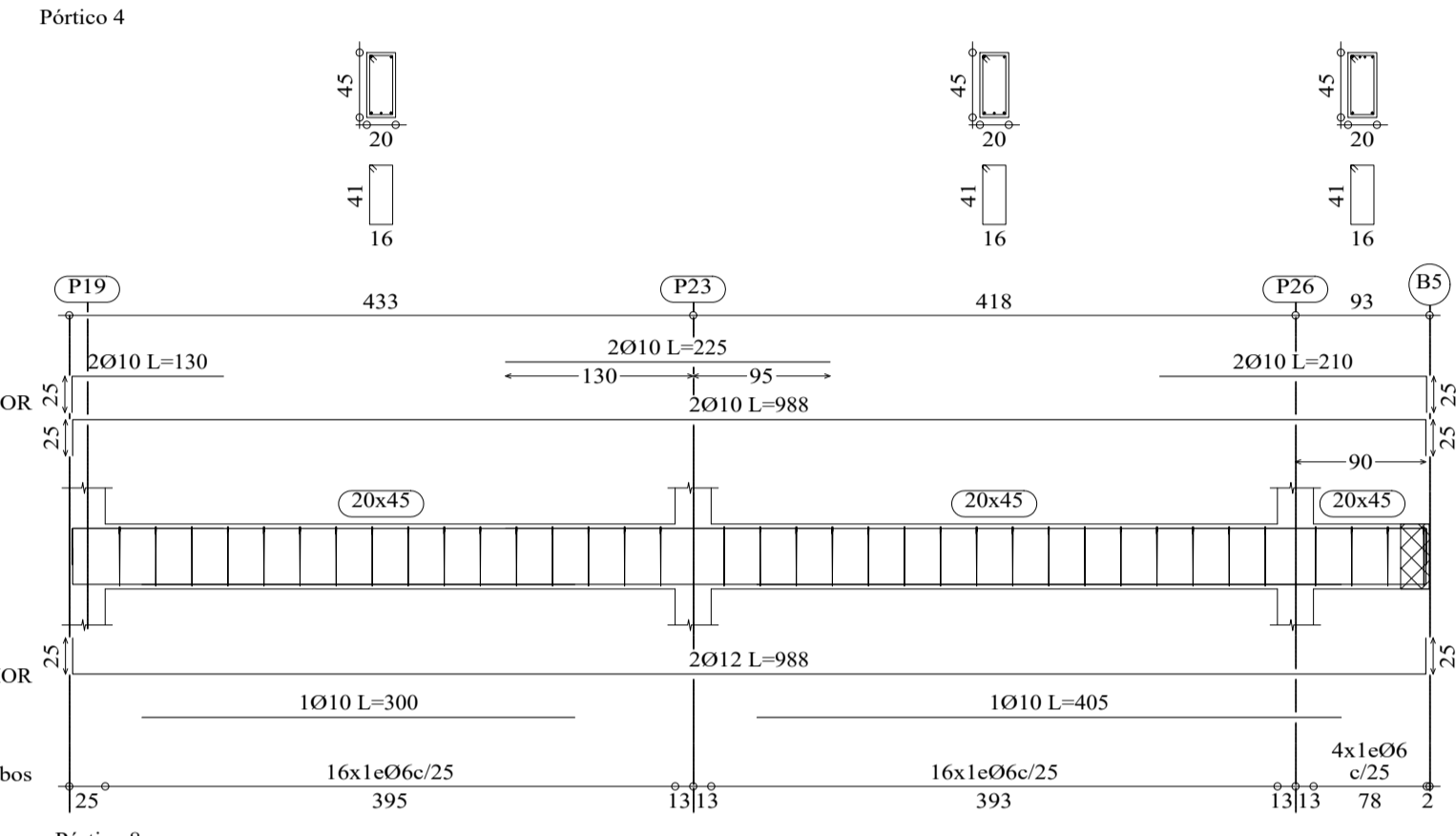
PISO 2 + 8.65  
 Despiece cimentación  
 Hormigón: H-25, Control Normal  
 Aceros en forjados: AH-500, Control Normal  
 Escala: 1:75



<b>UNIVERSIDAD A. JUAN MISAEL SARACHO</b>		
UNIVERSITARIO: MÉNDEZ SÁNCHEZ KELLY GISELLE	MATERIA: CIV-502 PROYECTO DE INGENIERIA CIVIL II	
PROYECTO: DISEÑO ESTRUCTURAL HOTEL AYRE ZONA MORROS BLANCOS	ESCALA: INDICADA	PLANO Nº: 11/18
TÍTULO DE LÁMINA: DESPIECE DE VIGAS Y LOSA PISO 2+8.65 m	FECHA: TARJIA MAYO DE 2024	

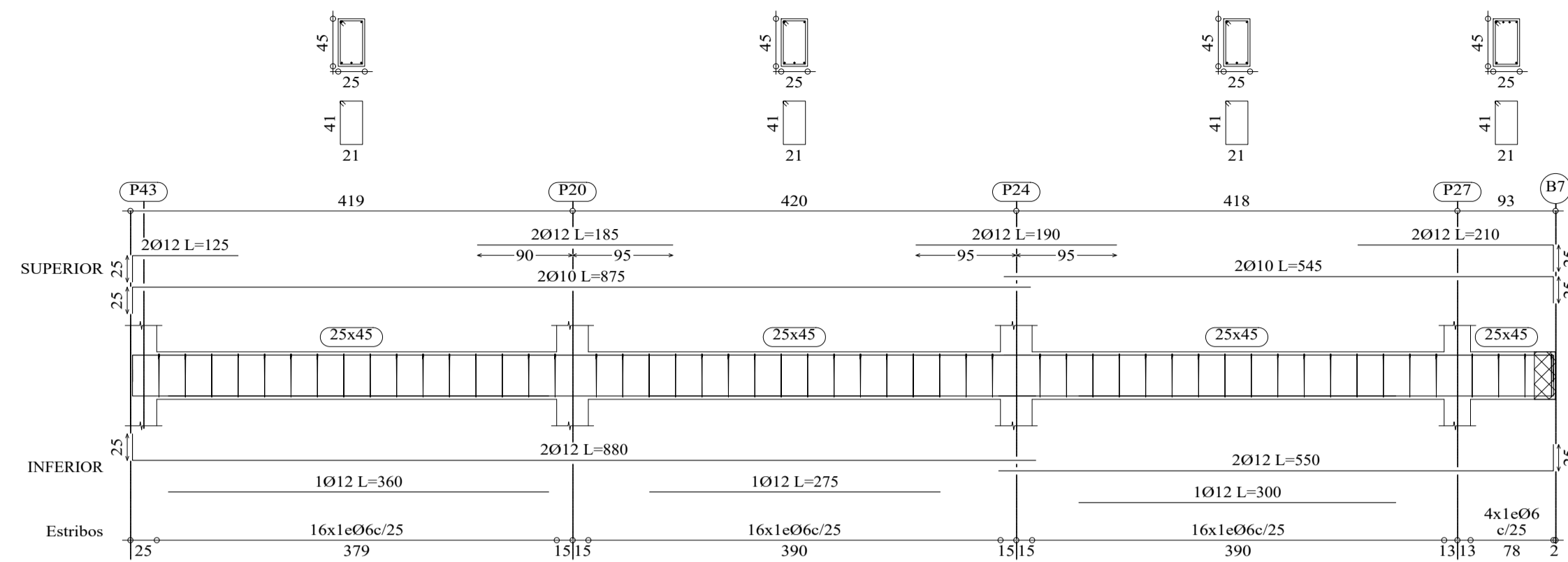


PISO 2 + 8.65  
 Despiece de vigas  
 Hormigón: H-25 - Control Normal  
 Acero: AH-500 - Control Normal  
 Escala: 1:50

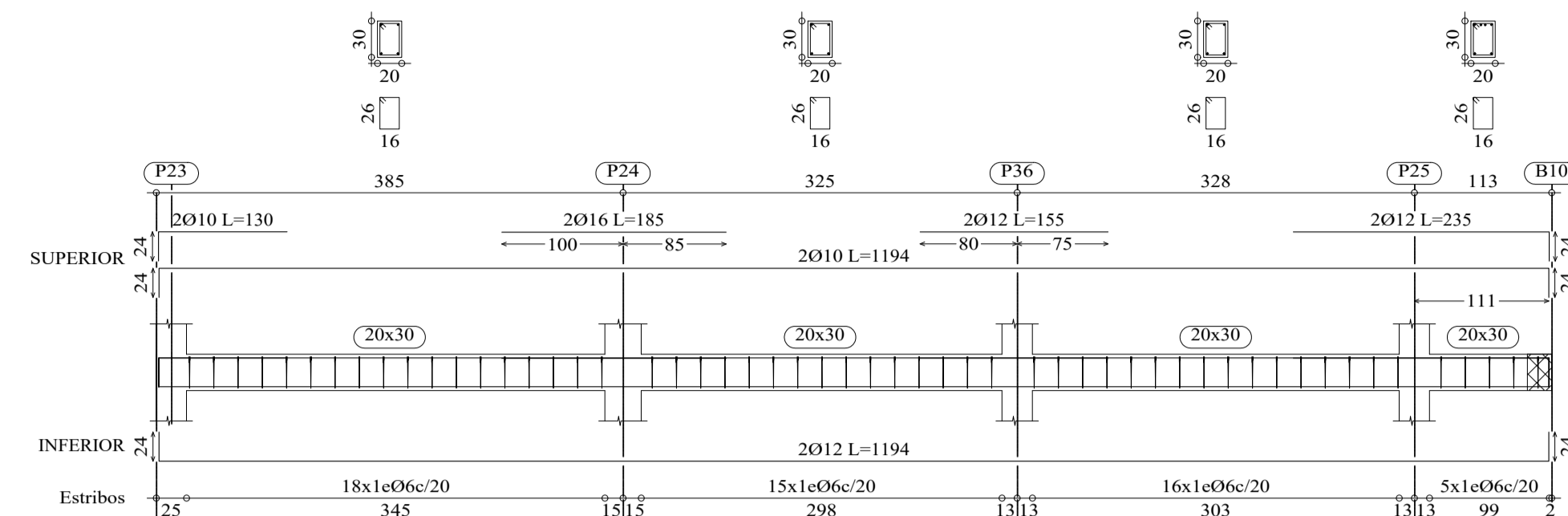


	<b>UNIVERSIDAD A. JUAN MISAEL SARACHO</b>		
	ESTUDIOS: MENDEZ SANCHEZ KELLY GISELE	MATERIA: CIV-502 PROYECTO DE INGENIERIA CIVIL II	
	PROYECTO: DISEÑO ESTRUCTURAL HOTEL AYRE ZONA MORROS BLANCOS	ESCALA: INDICADA	PLANO Nº: 12/18
	TÍTULO DE LAMINA: DESPIECE DE VIGAS Y LOSA PISO 2+8.65 m	FECHA: TARIJA MAYO DE 2024	

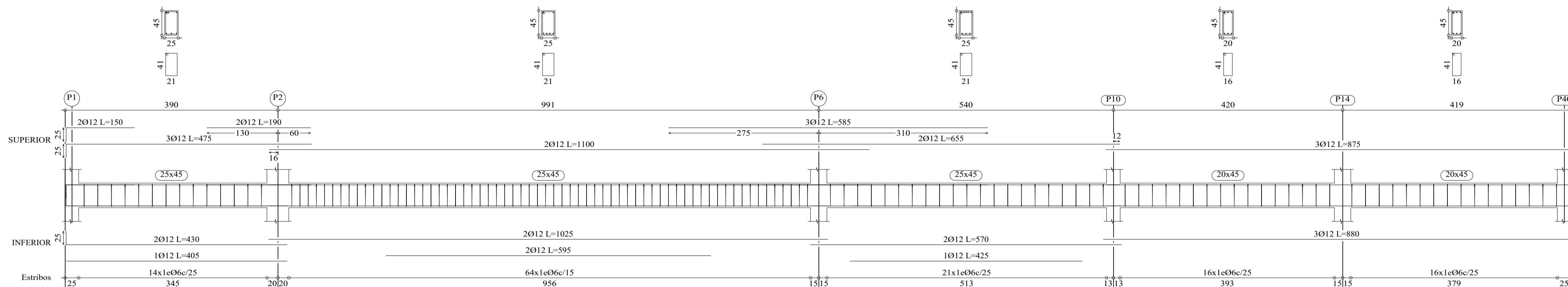
Pórtico 13



Pórtico 21

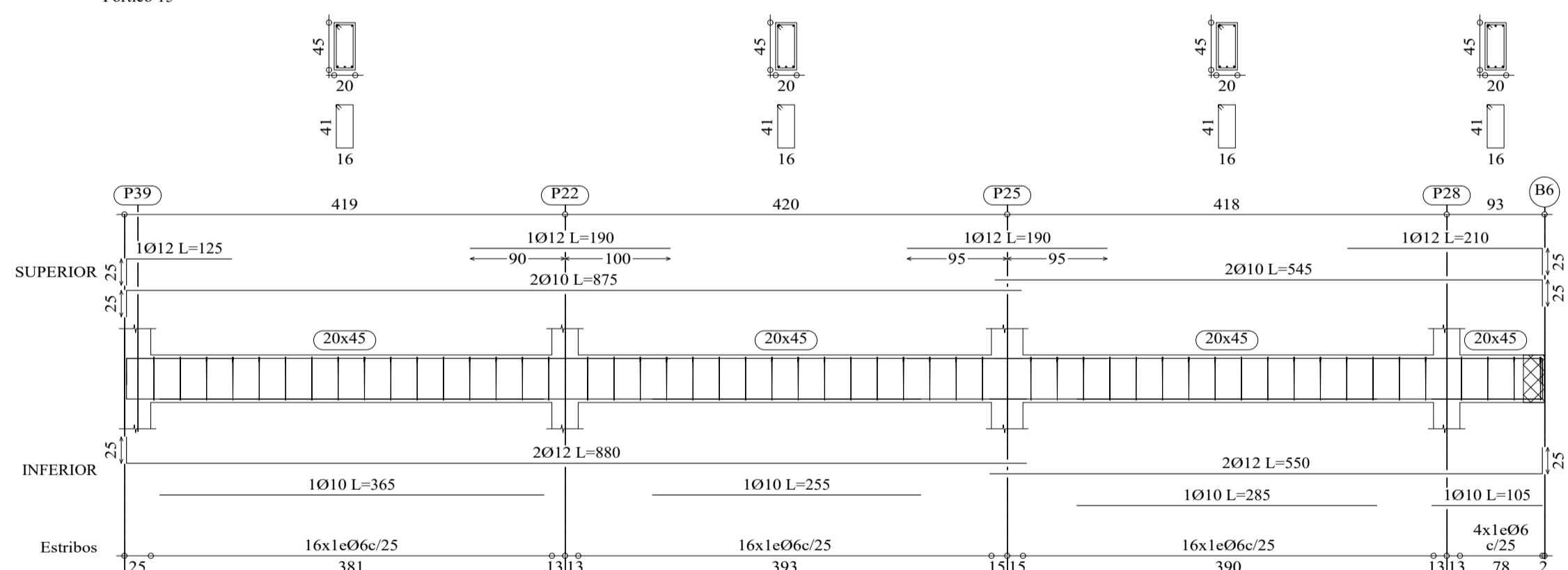


Pórtico 14

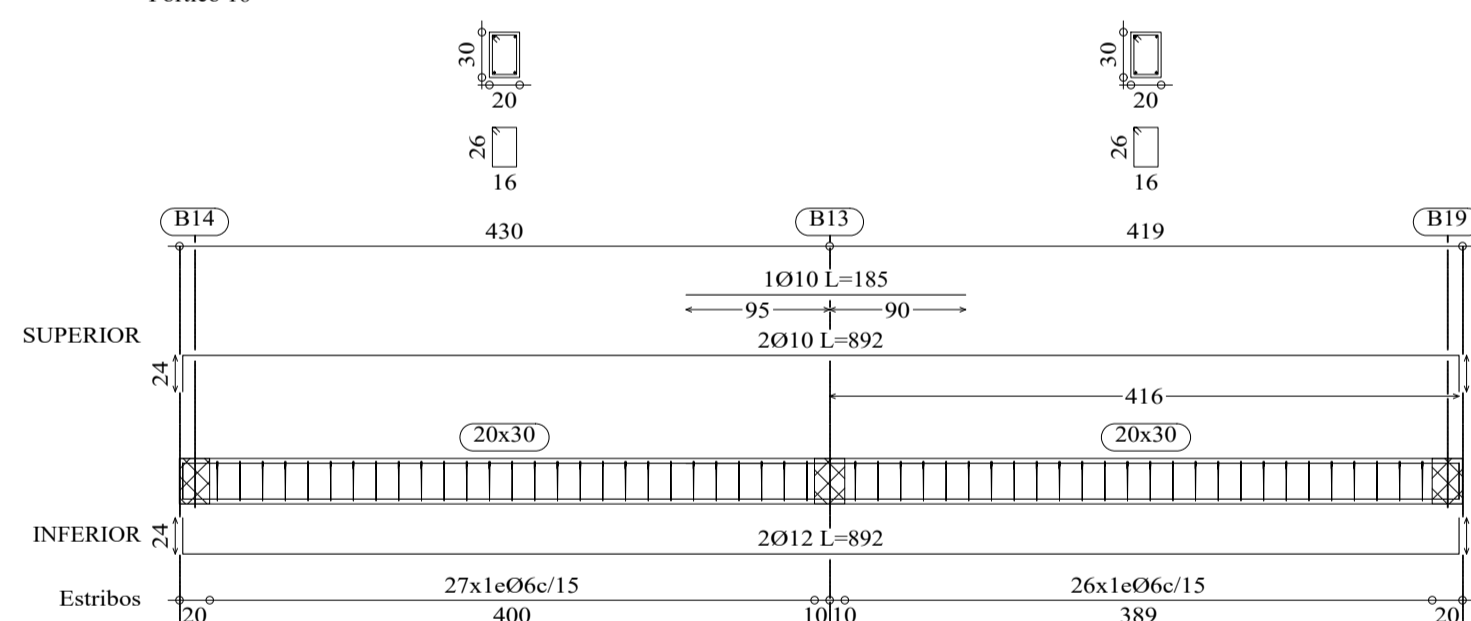


PISO 2 + 8.65  
 Despiece de vigas  
 Hormigón: H-25 - Control Normal  
 Acero: AH-500 - Control Normal  
 Escala: 1:50

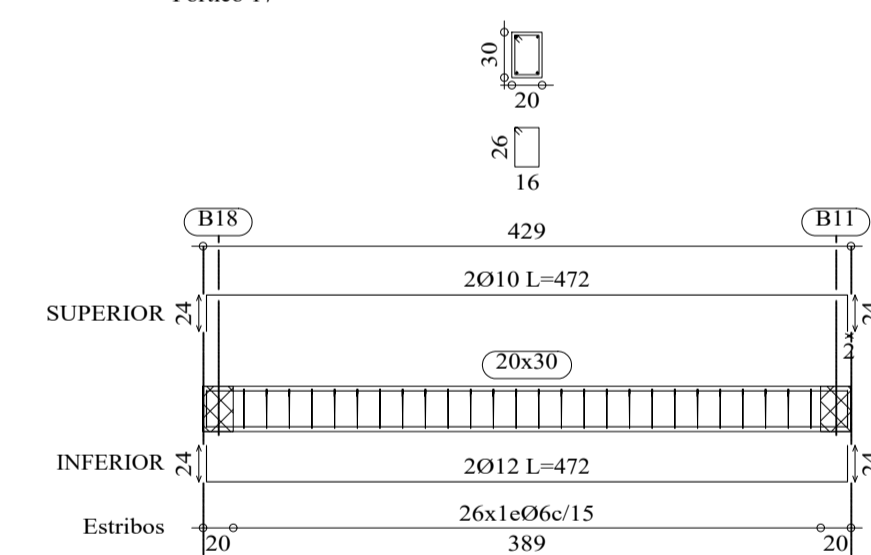
Pórtico 15



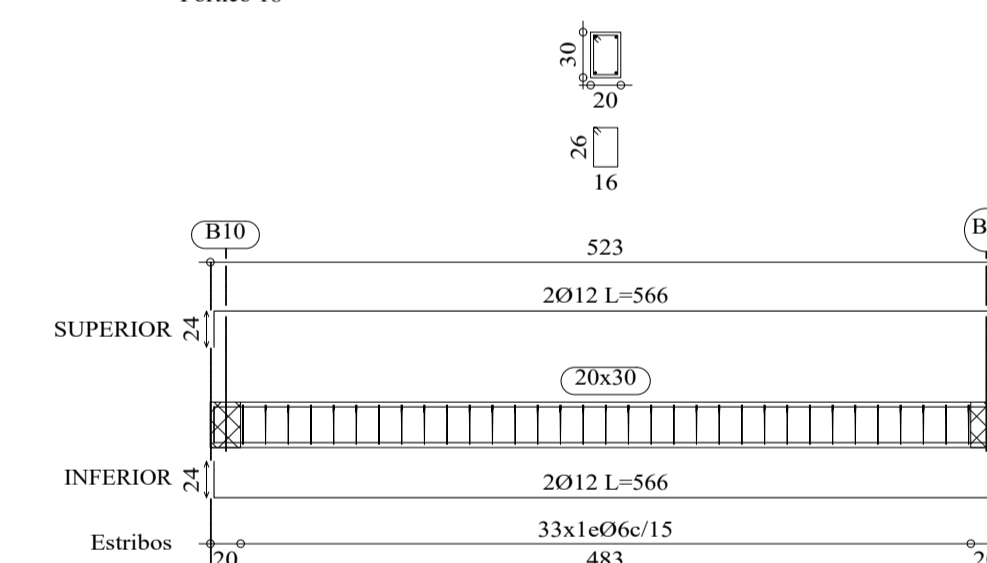
Pórtico 16



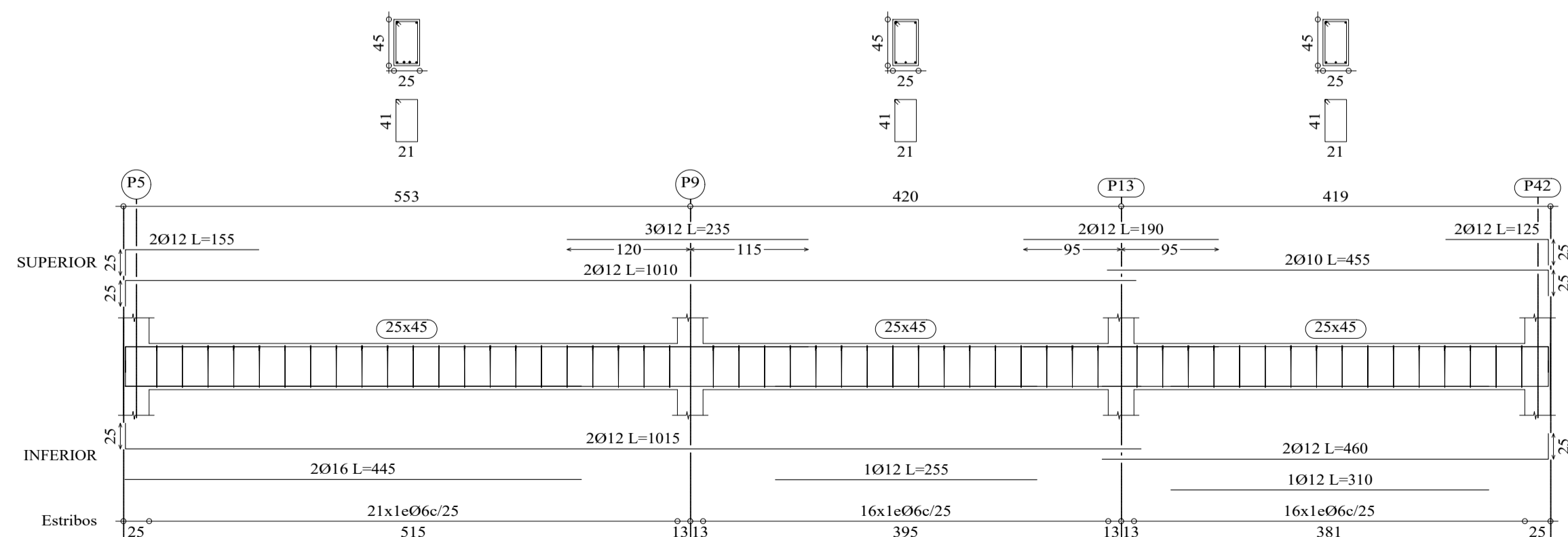
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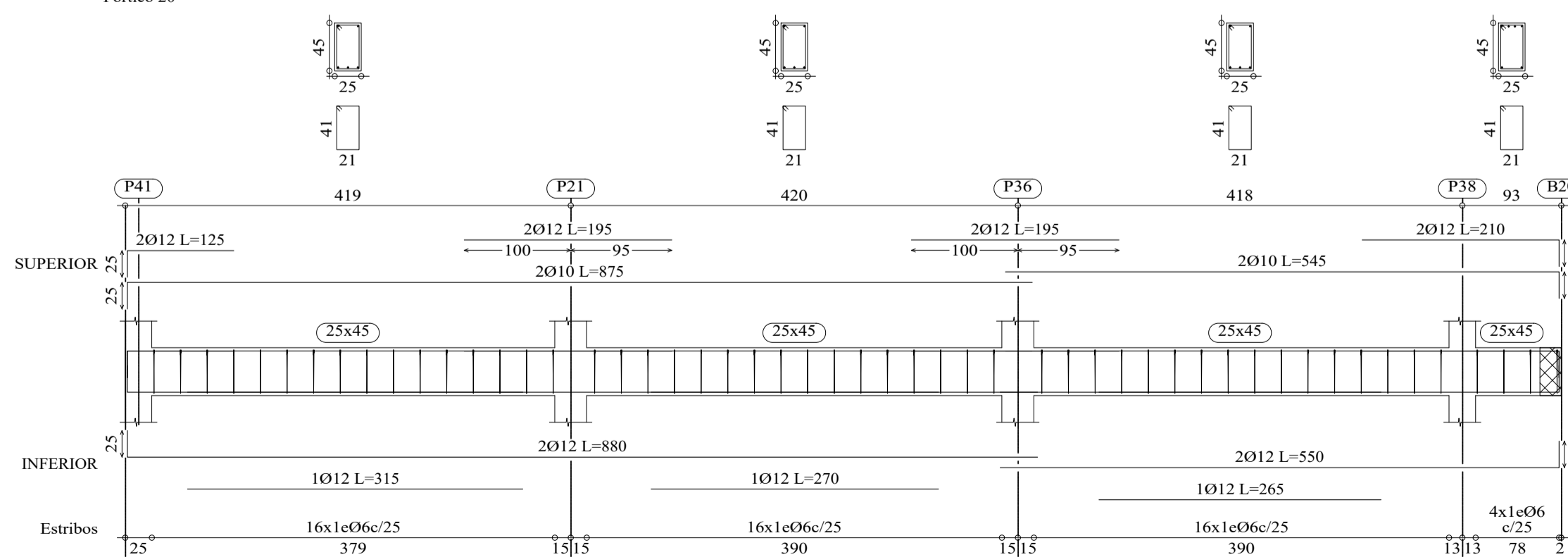
Pórtico 18



Pórtico 19



Pórtico 20



UNIVERSIDAD A. JUAN MISAEL SARACHO

UNIVERSITARIO:  
MÉNDEZ SÁNCHEZ KELLY GISELLE

MATERIA:  
CTV-502 PROYECTO DE INGENIERIA CIVIL II

PROYECTO:  
DISEÑO ESTRUCTURAL HOTEL AYRE  
ZONA MORROS BLANCOS

ESCALA:  
INDICADA

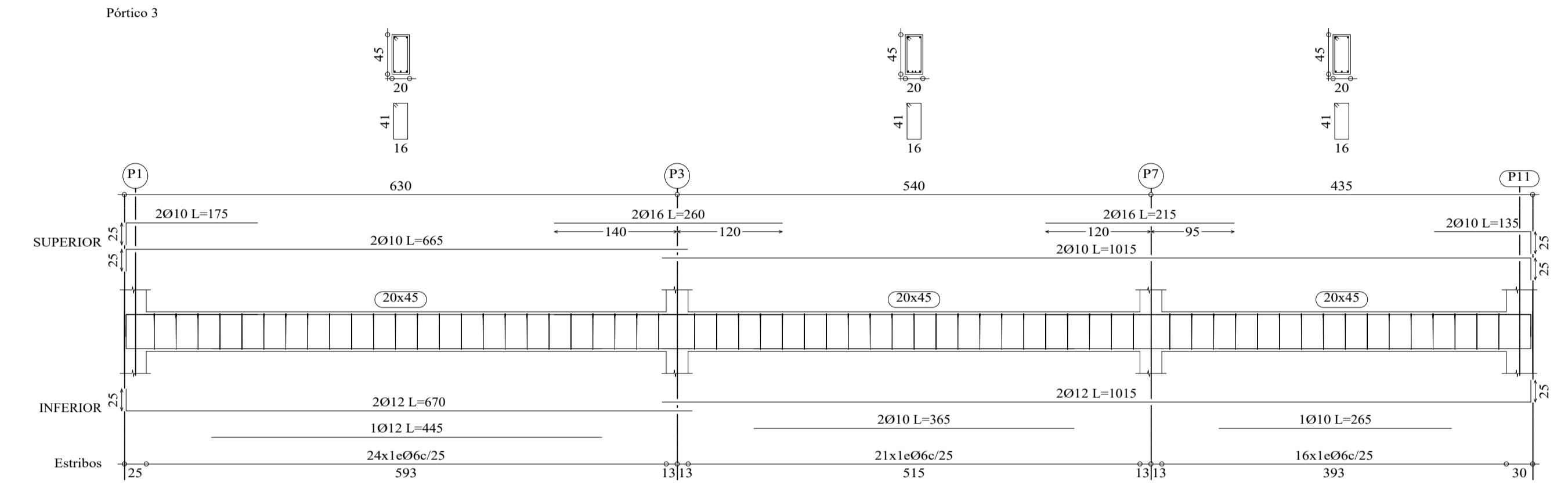
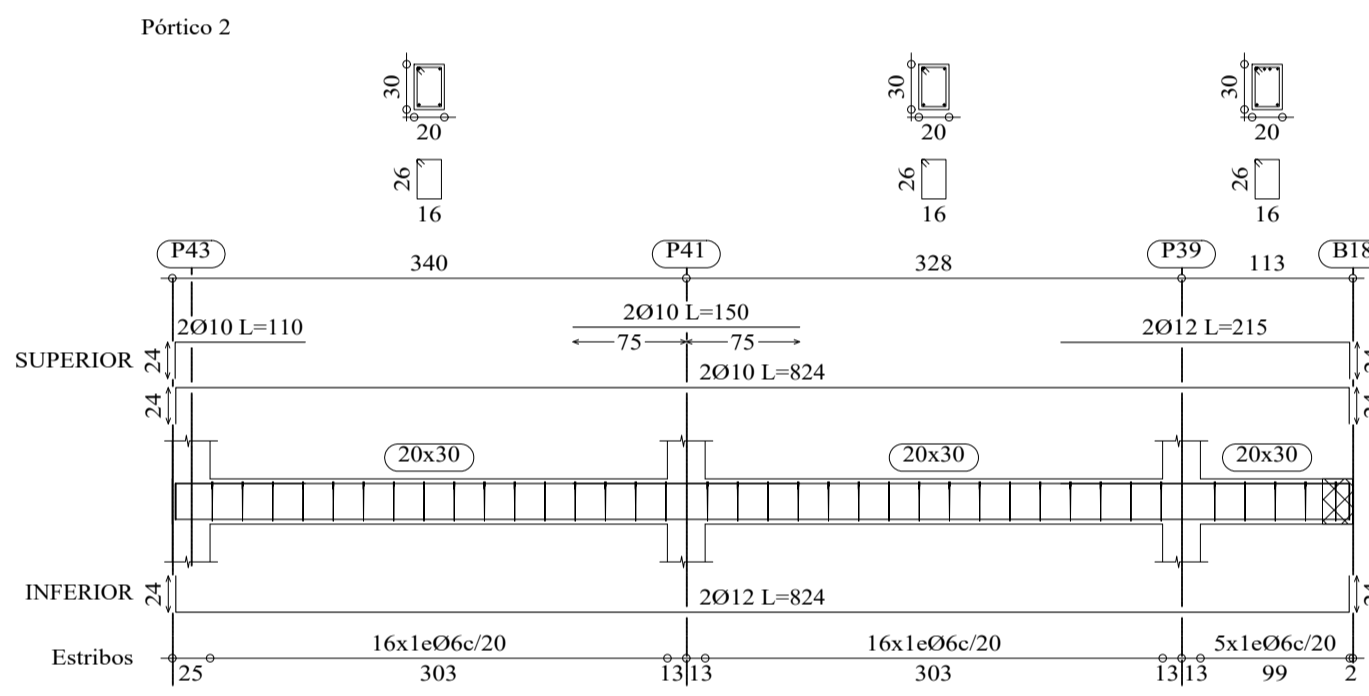
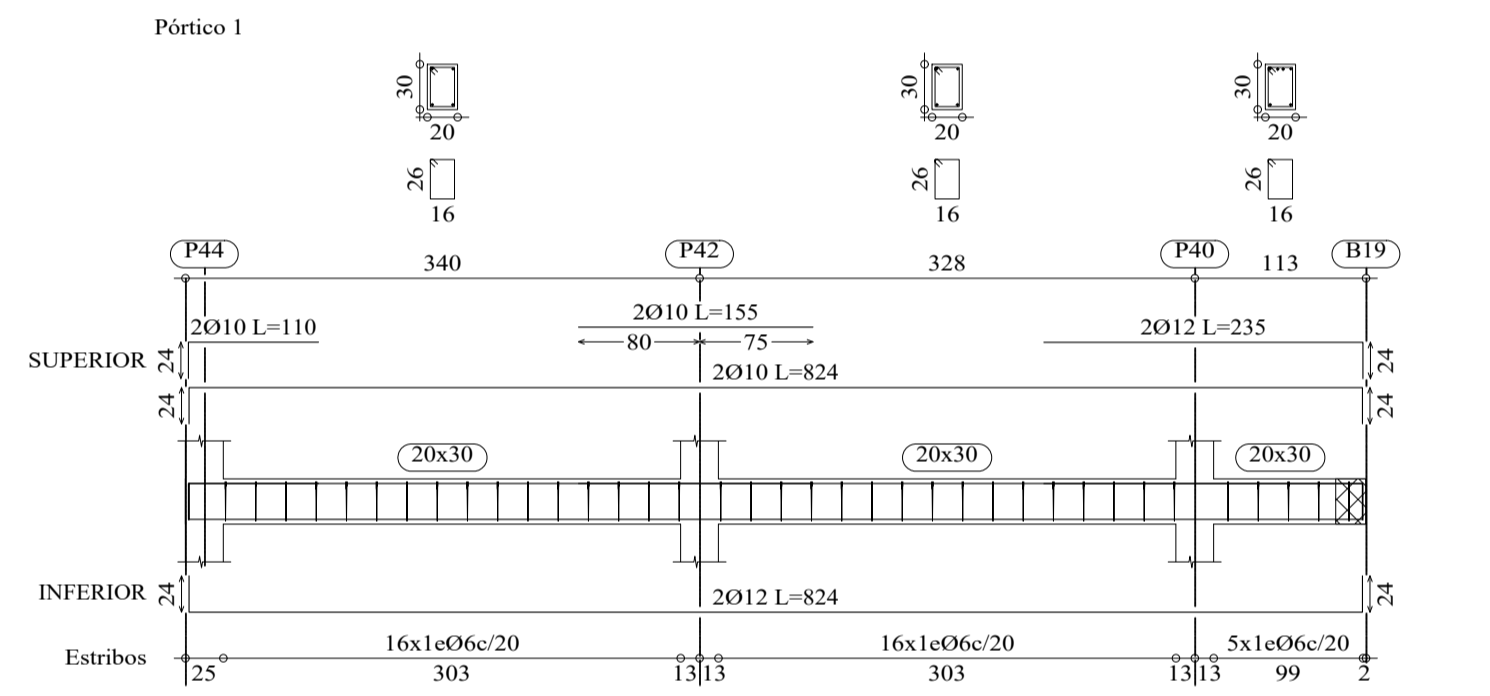
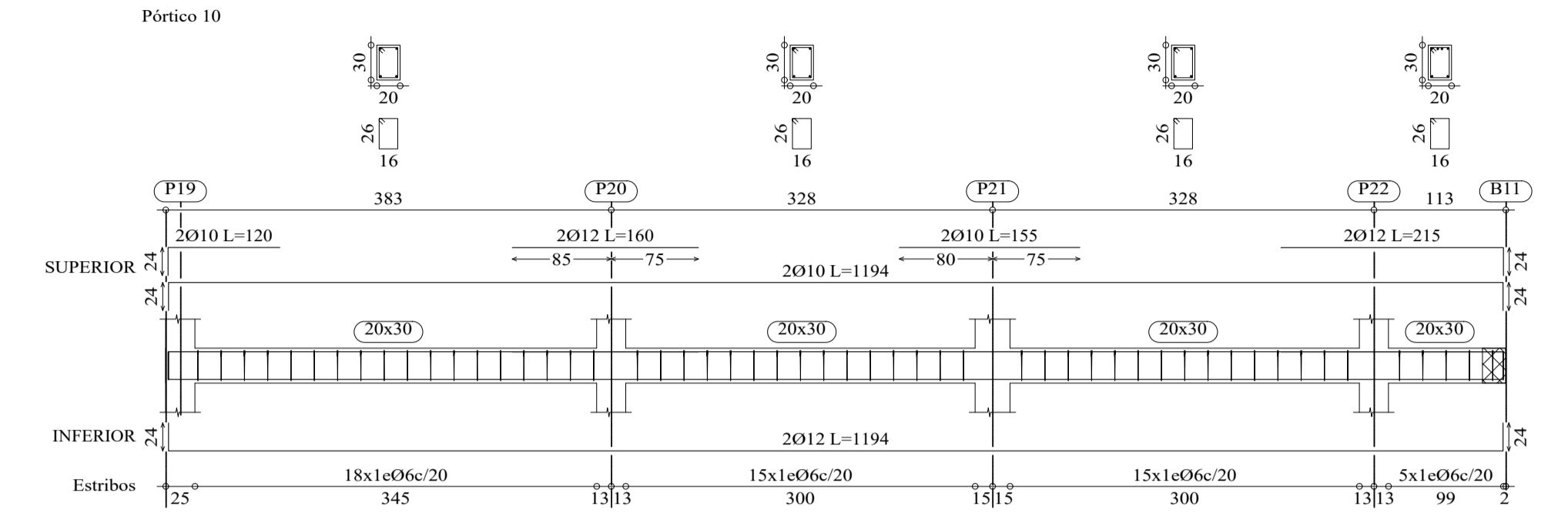
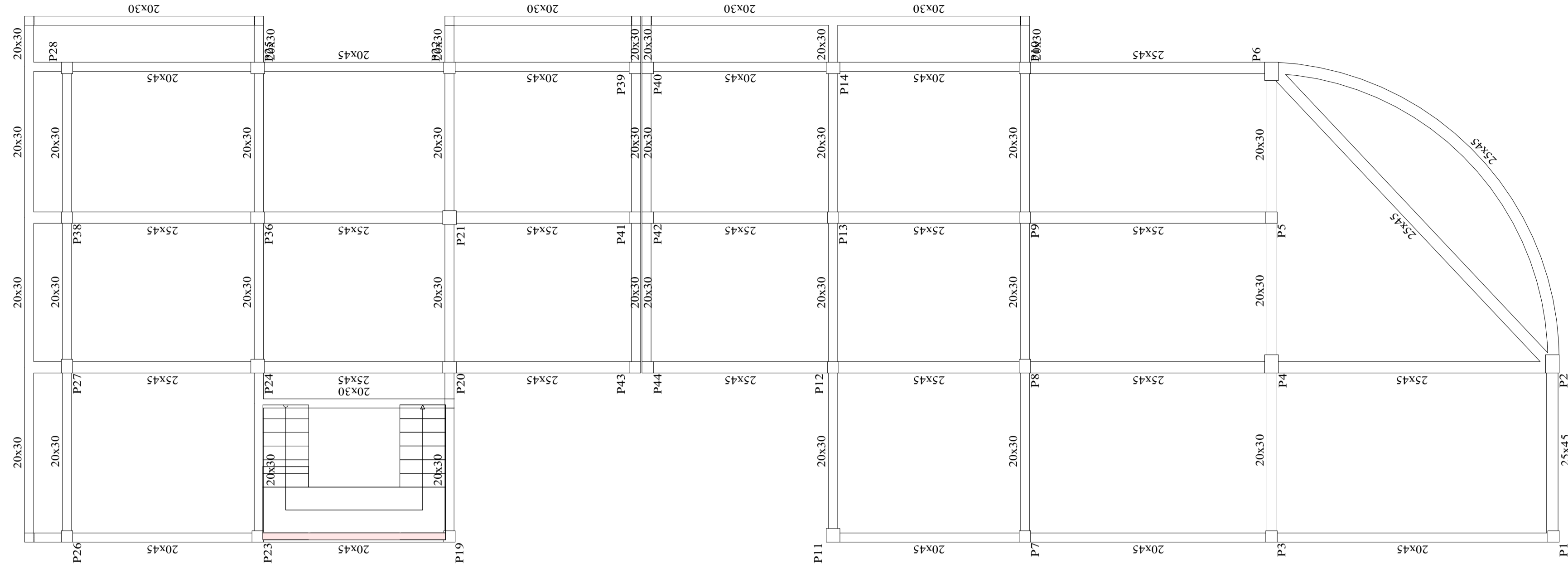
PLANO Nº

TÍTULO DE LAMINA:  
DESPIECE DE VIGAS PISO 3+11.45 m

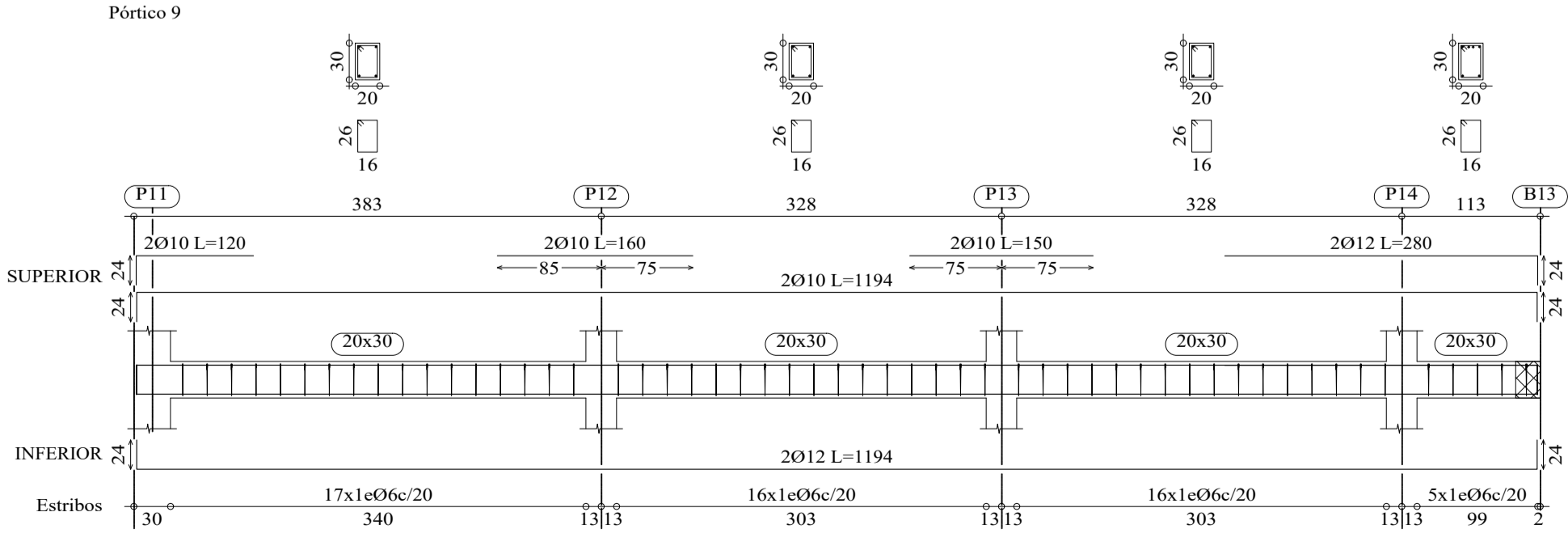
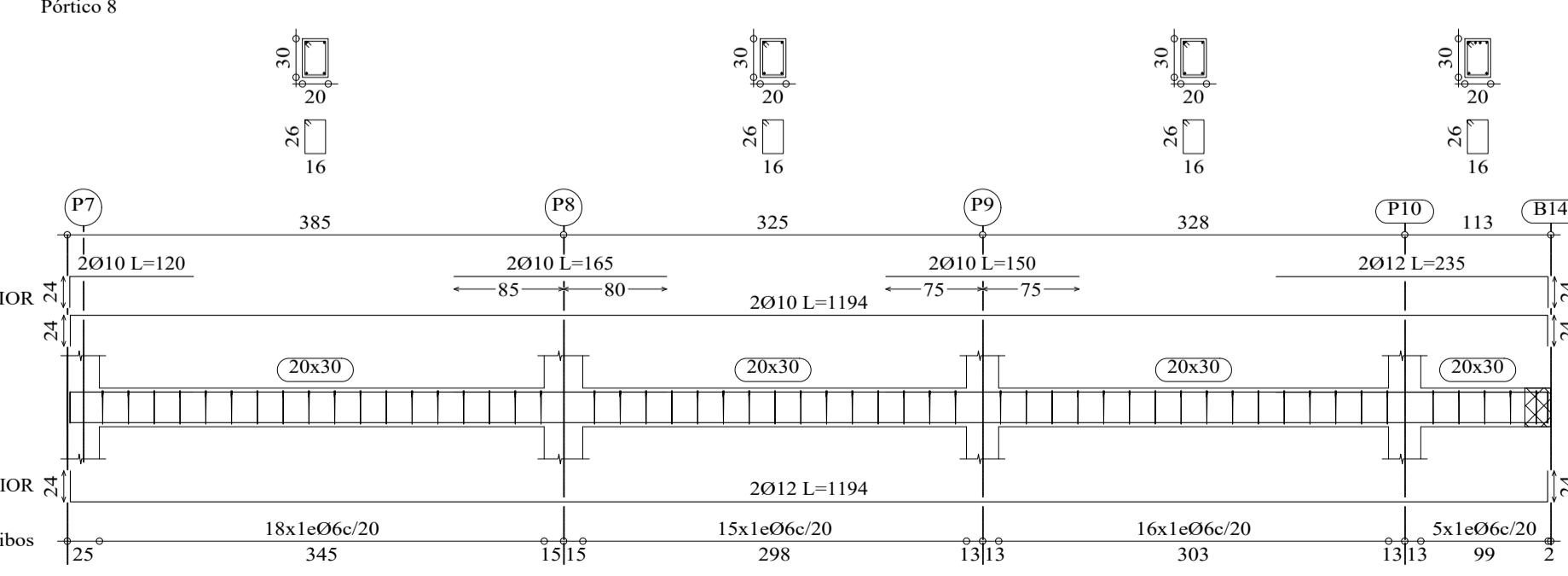
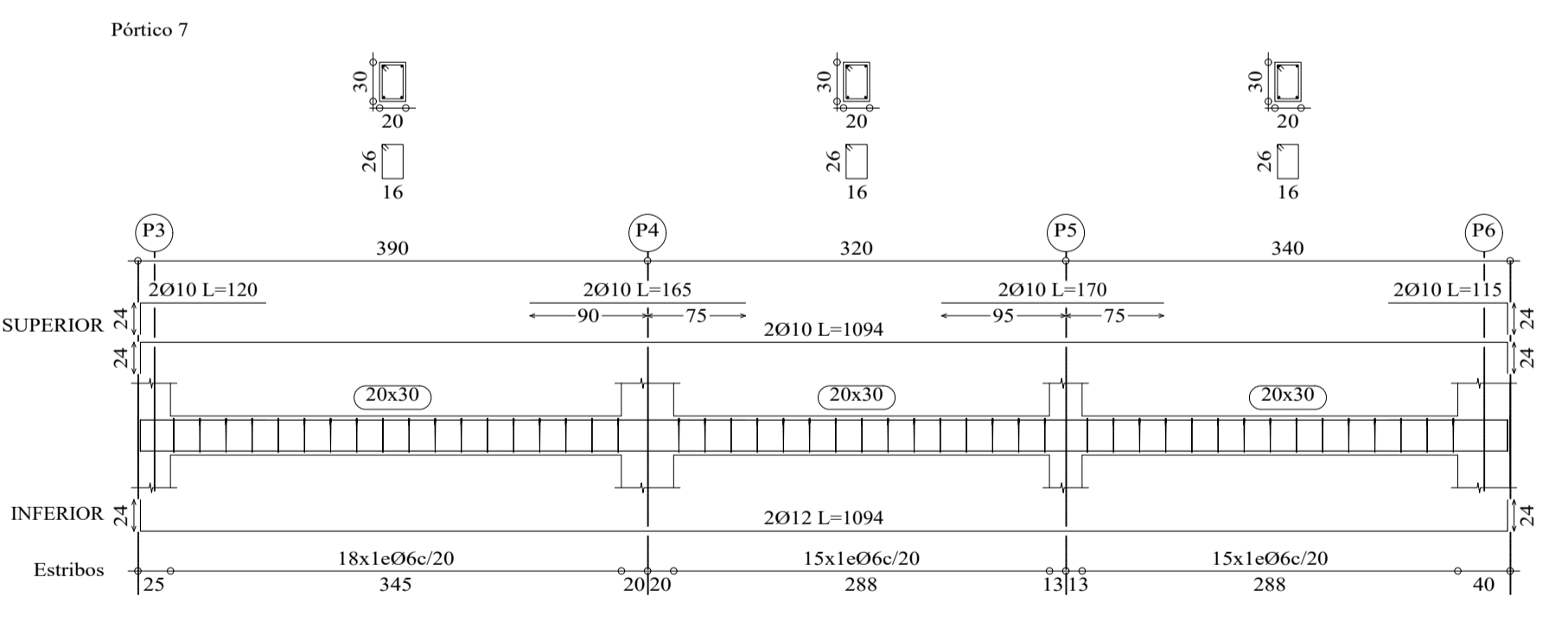
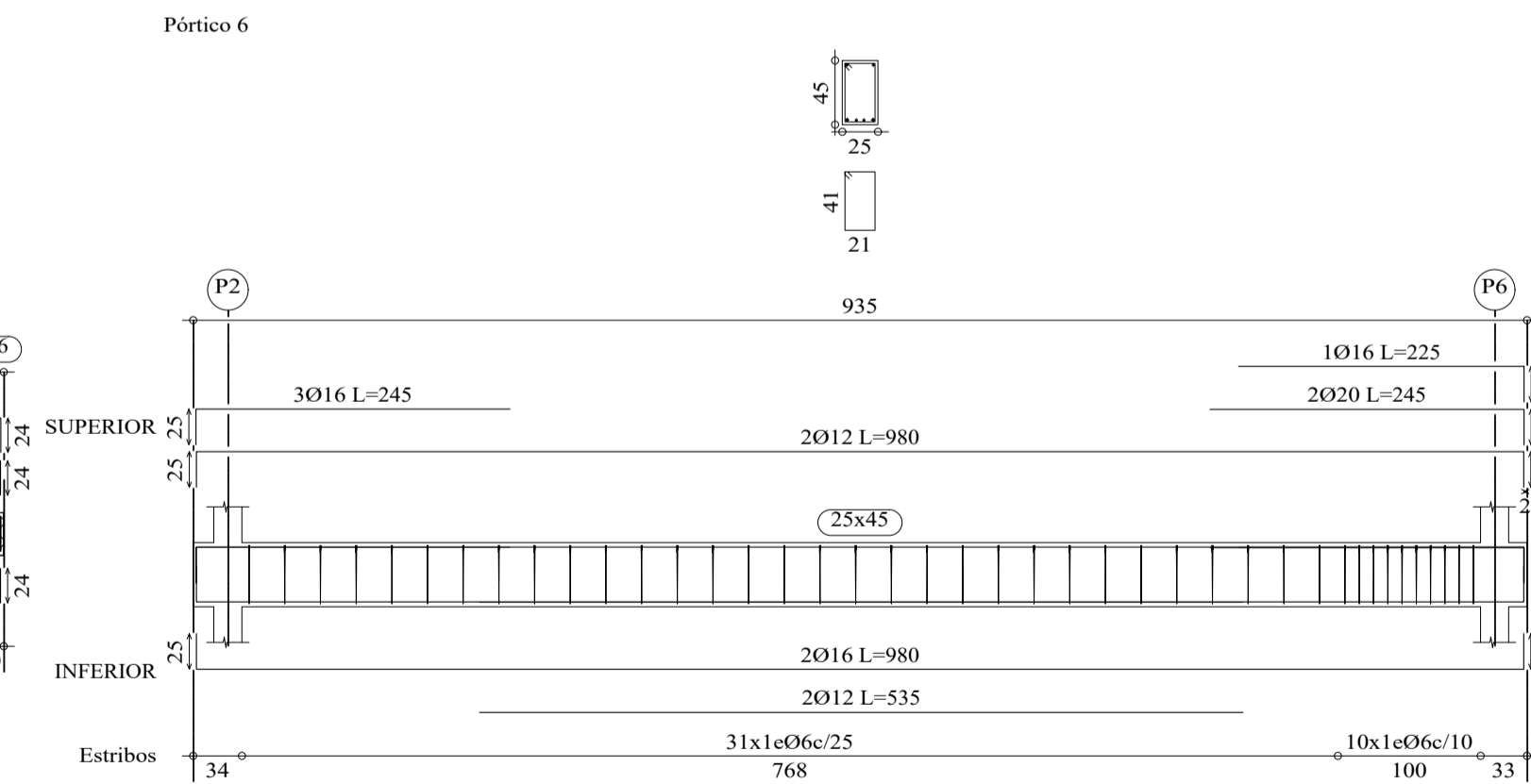
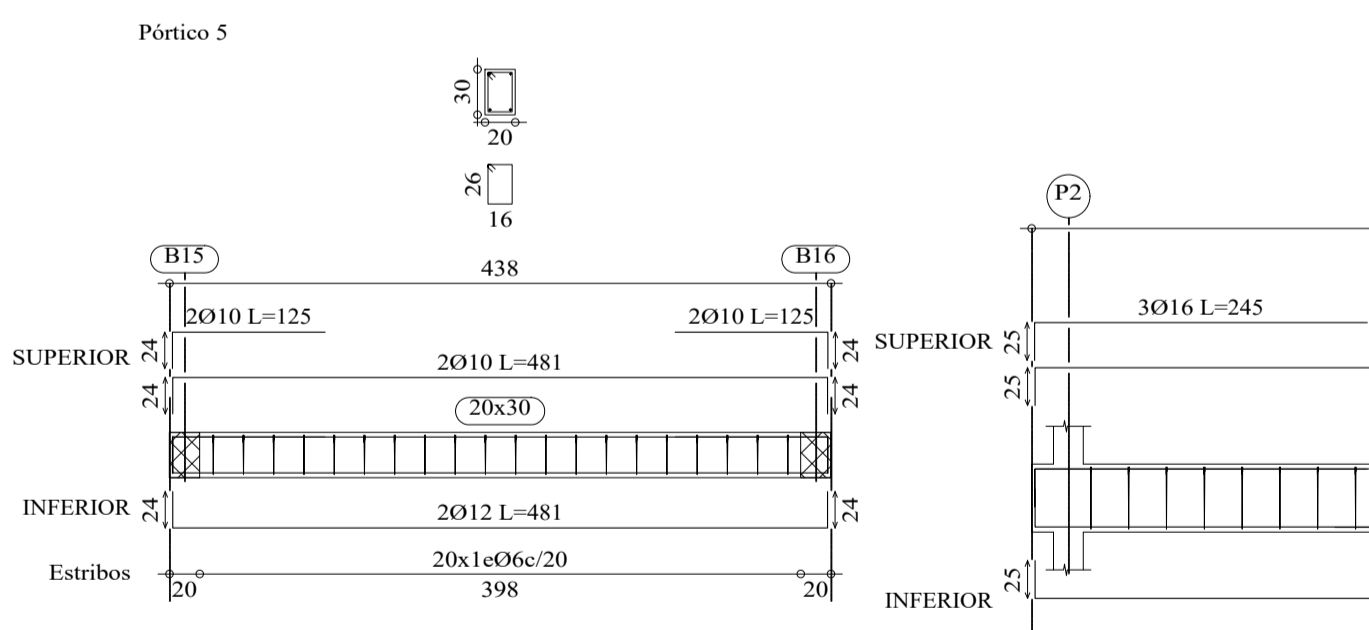
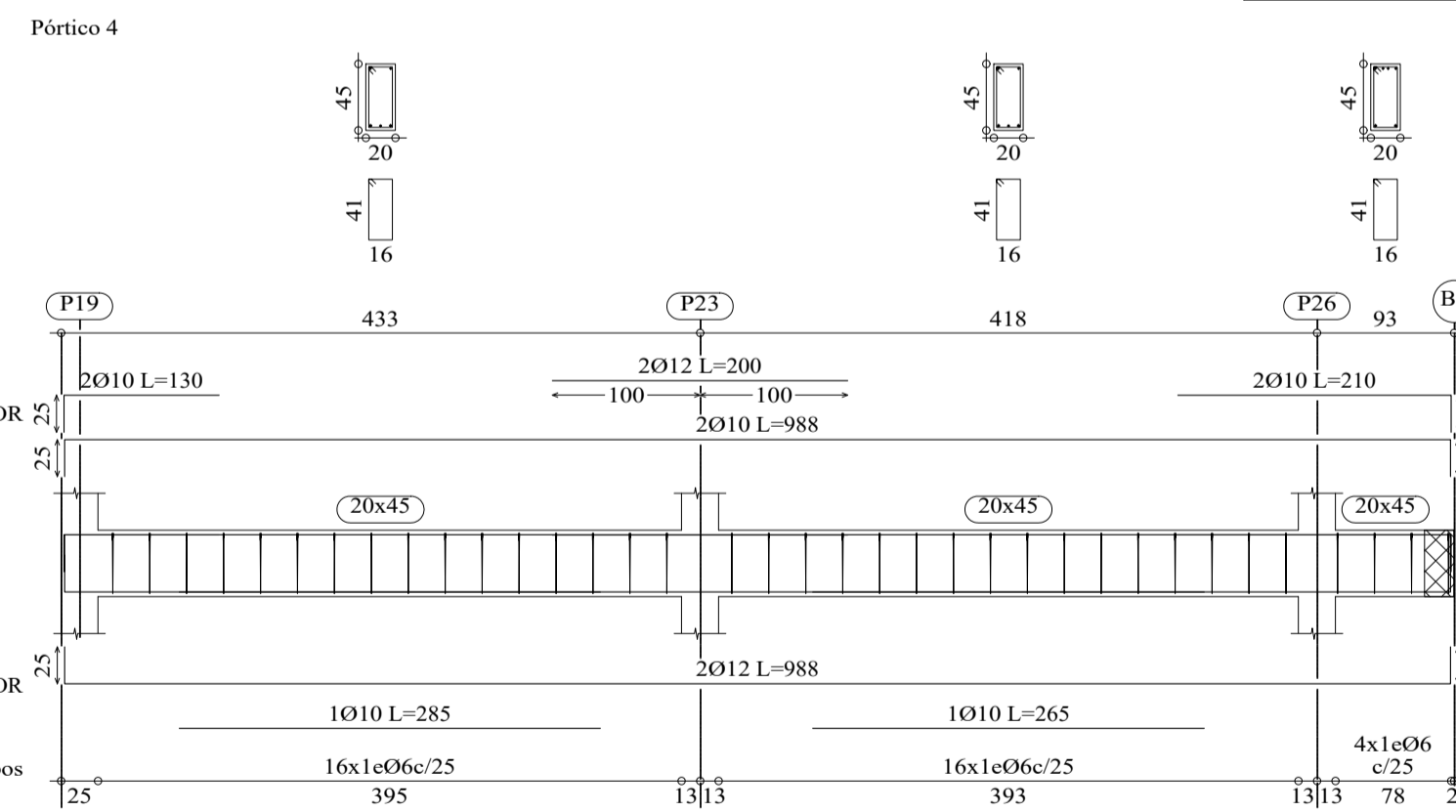
FECHA:  
TARIJA MAYO DE 2024

13/18

PISO 3 + 11.45  
 Despiece cimentación  
 Hormigón: H-25 , Control Normal  
 Aceros en forjados: AH-500 , Control Normal  
 Escala: 1:75

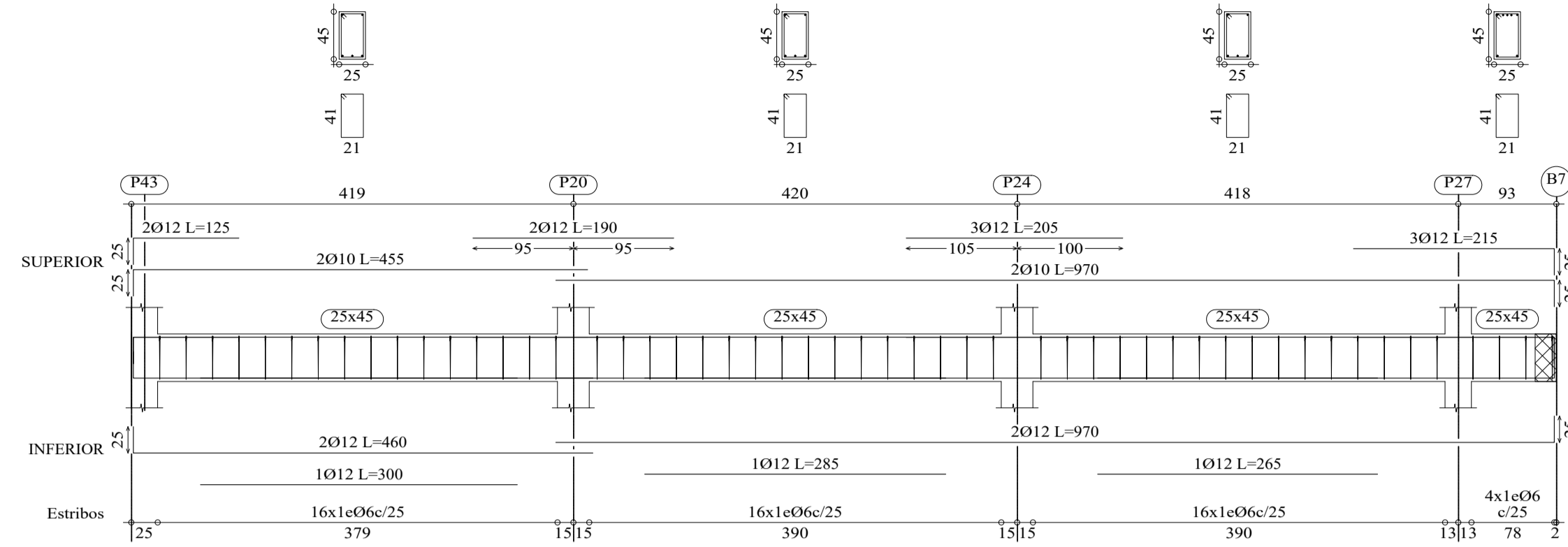


PISO 3 + 11.45  
 Despiece de vigas  
 Hormigón: H-25 , Control Normal  
 Acero: AH-500 , Control Normal  
 Escala: 1:50

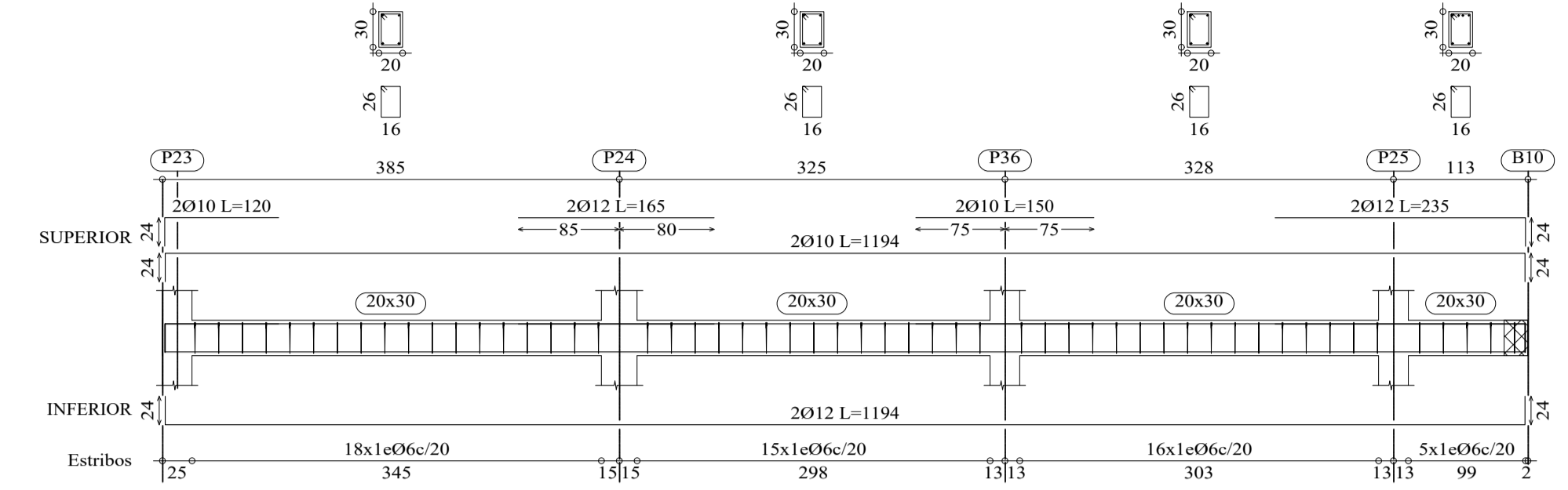


	<b>UNIVERSIDAD A. JUAN MISAEL SARACHO</b>		
	UNIVERSITARIO: MENEZ SANCHEZ KELLY GISELLE	MATERIA: CIV-502 PROYECTO DE INGENIERIA CIVIL II	
	PROYECTO: DISEÑO ESTRUCTURAL HOTEL AYRE ZONA MORROS BLANCOS	ESCALA: <b>INDICADA</b>	PLANO Nº: <b>14/18</b>
	TÍTULO DE LAMINA: DESPIECE DE VIGAS Y LOSA PISO 3+11.45 m	FECHA: TARJIA MAYO DE 2024	

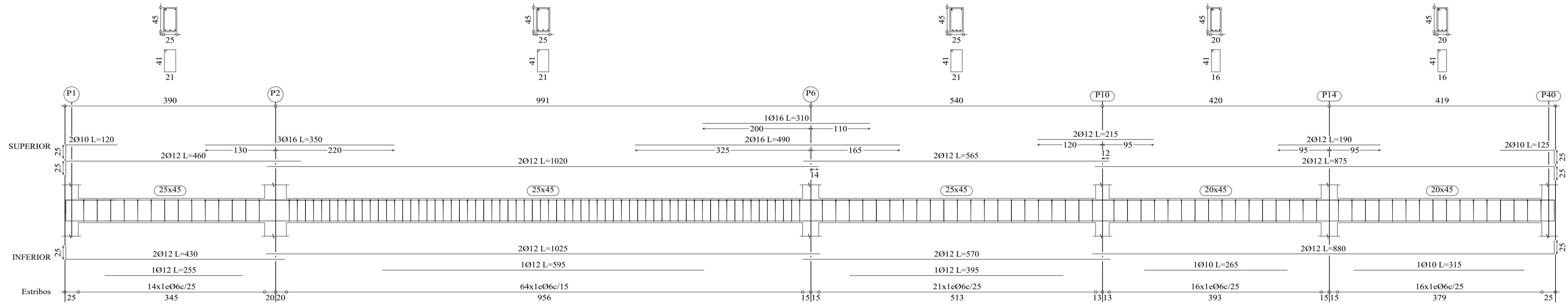
Pórtico 13



Pórtico 21

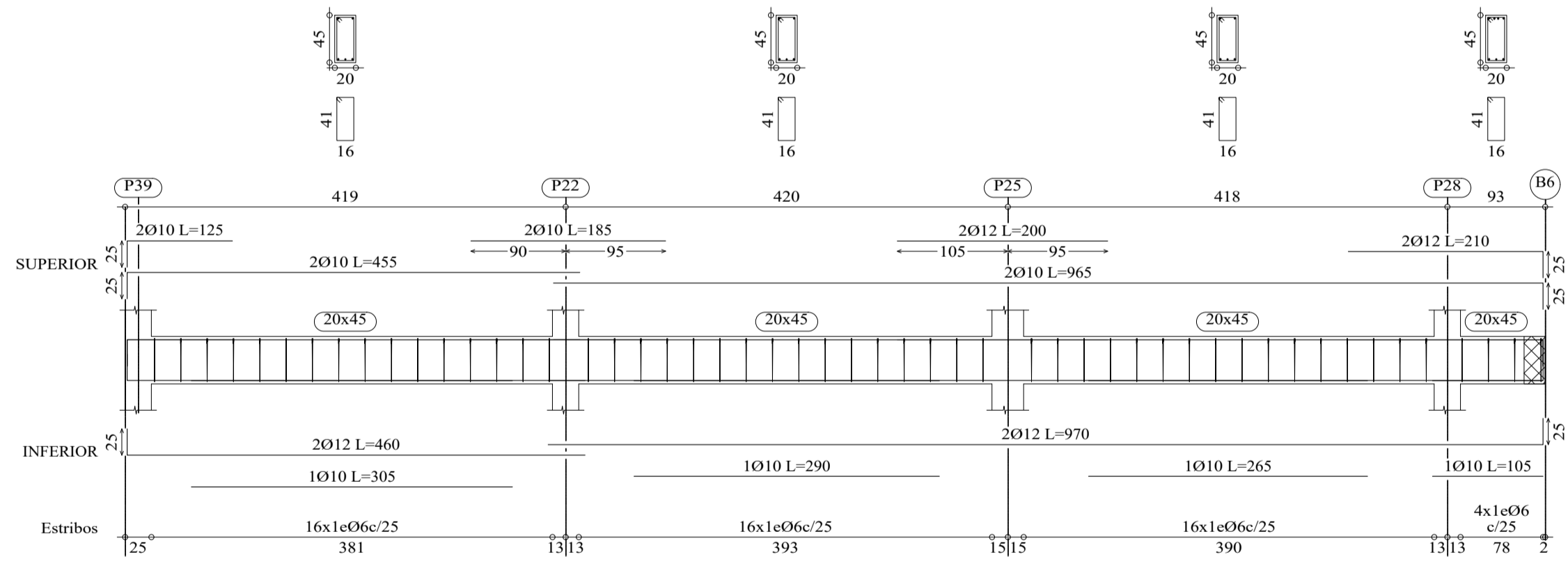


Pórtico 14

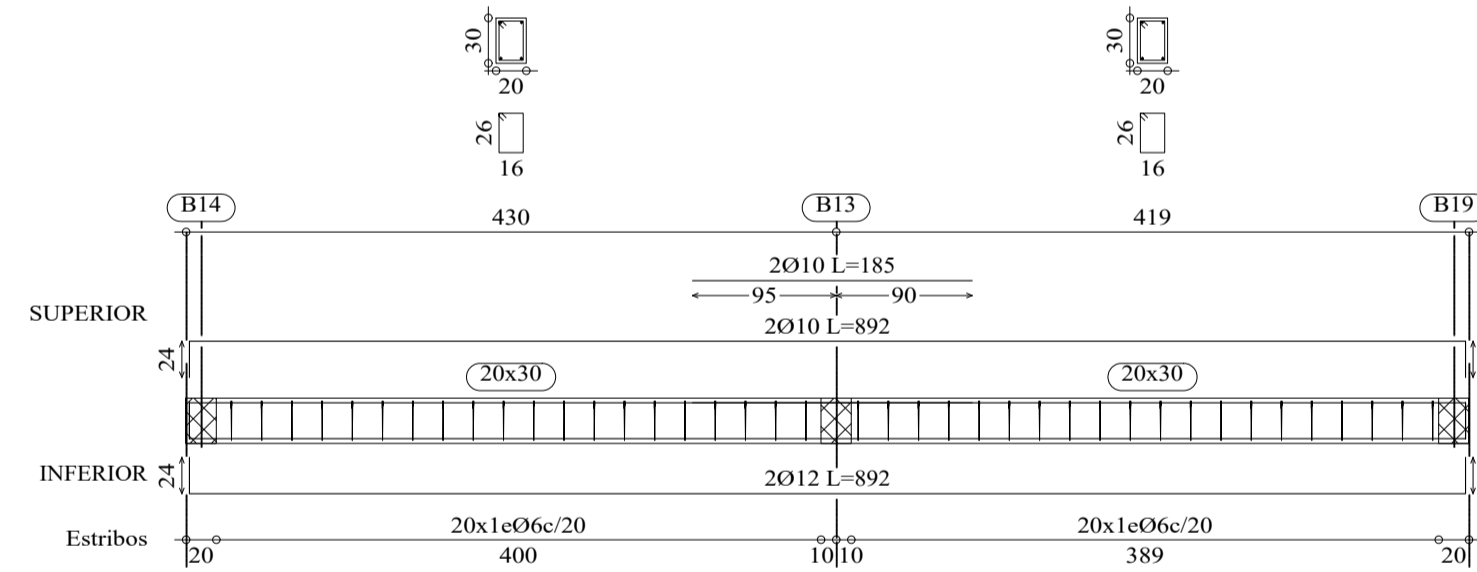


PISO 3 + 11.45  
 Despiece de vigas  
 Hormigón: H-25 - Control Normal  
 Acero: AH-500 - Control Normal  
 Escala: 1:50

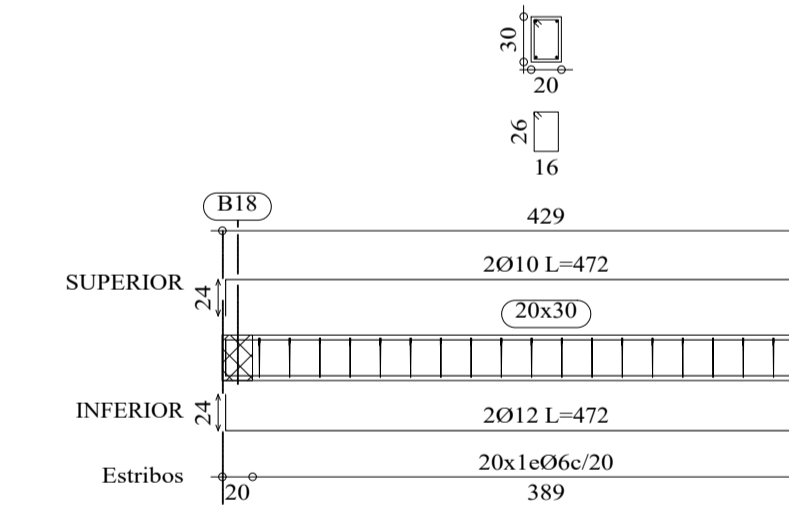
Pórtico 15



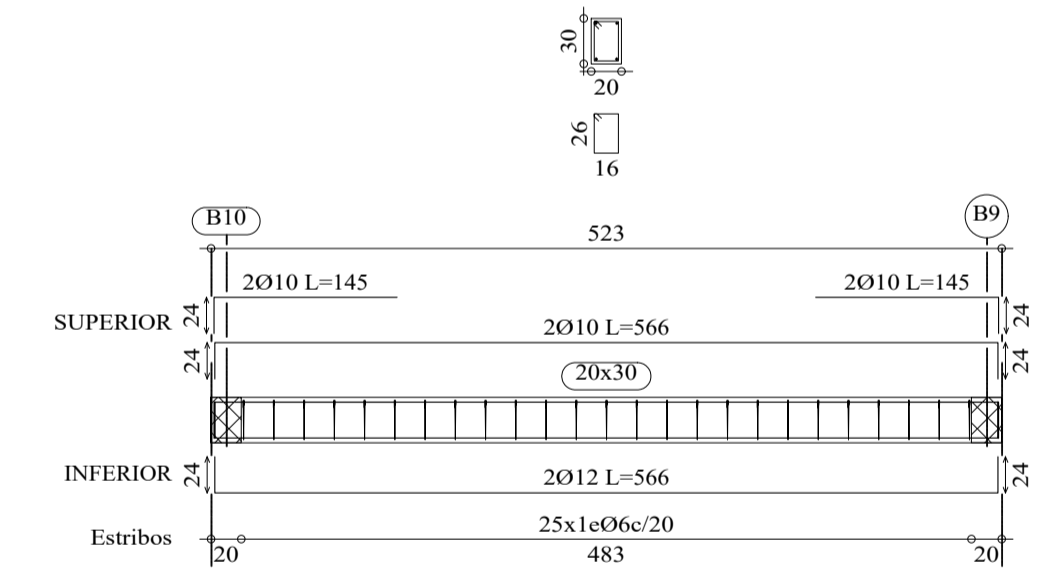
Pórtico 16



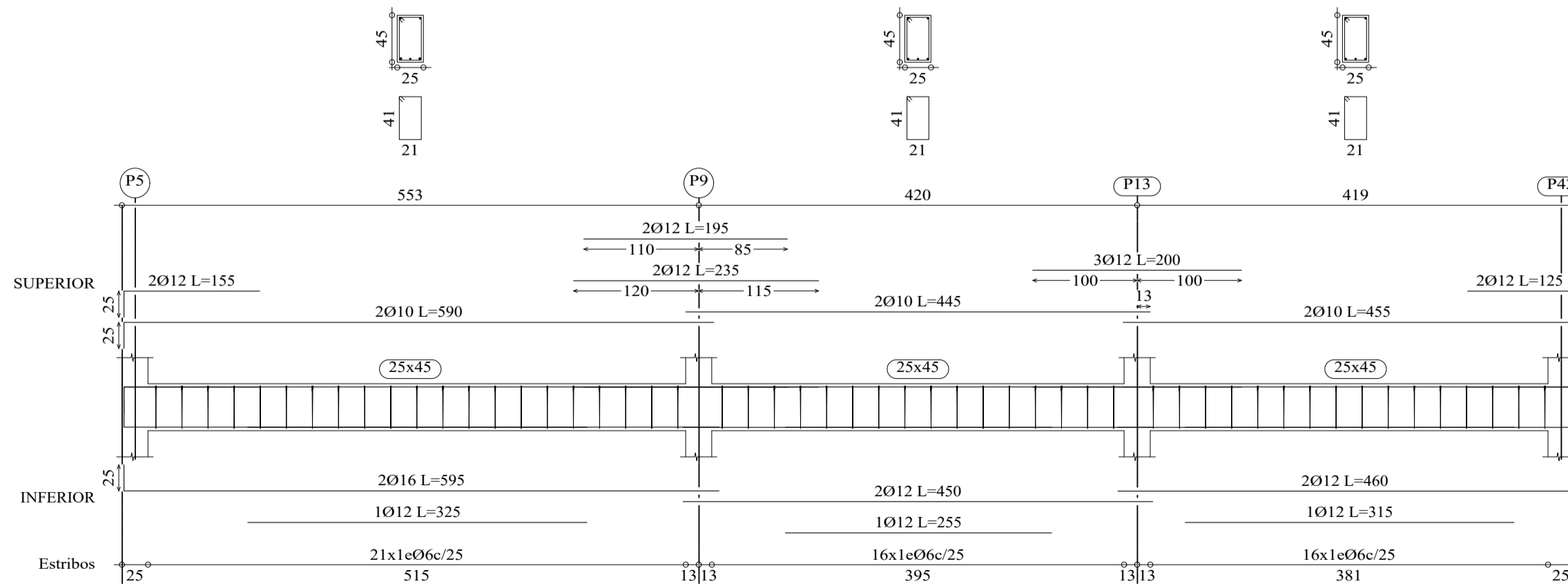
Pórtico 17



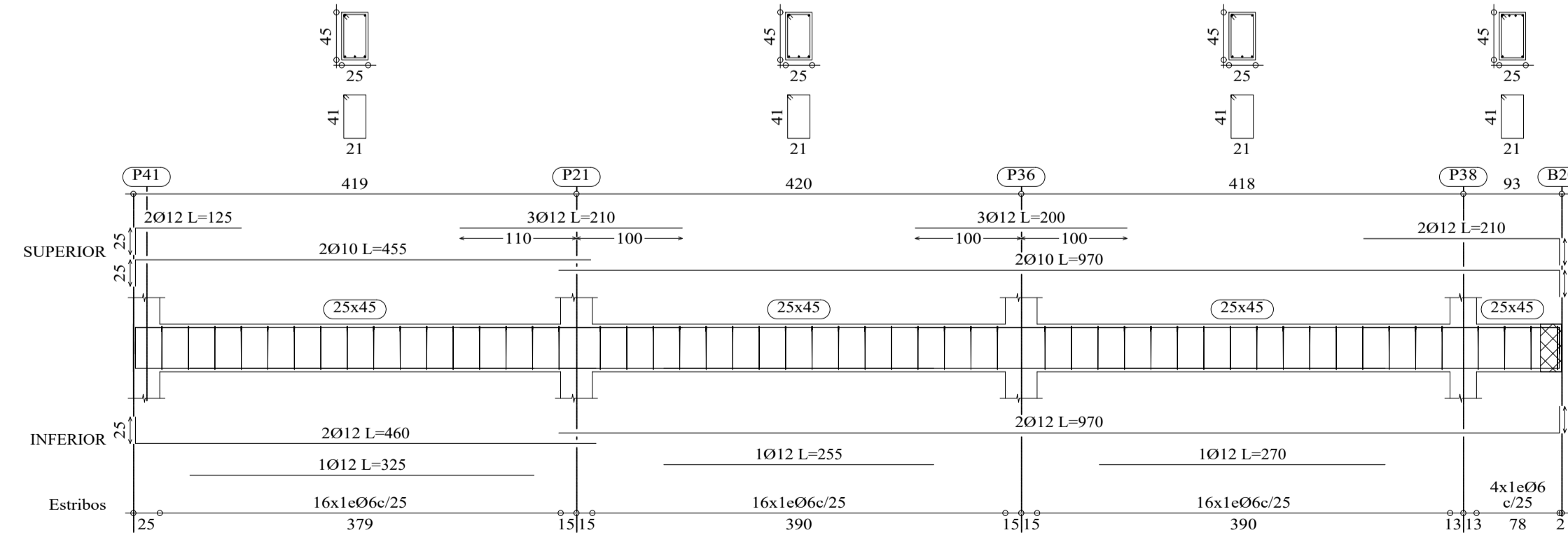
Pórtico 18



Pórtico 19



Pórtico 20



UNIVERSIDAD A. JUAN MISAEL SARACHO

UNIVERSITARIO: MENDEZ SANCHEZ KELLY GISELLE

MATERIA: CIV-502 PROYECTO DE INGENIERIA CIVIL II

PROYECTO: DISEÑO ESTRUCTURAL HOTEL AYRE ZONA MORROS BLANCOS

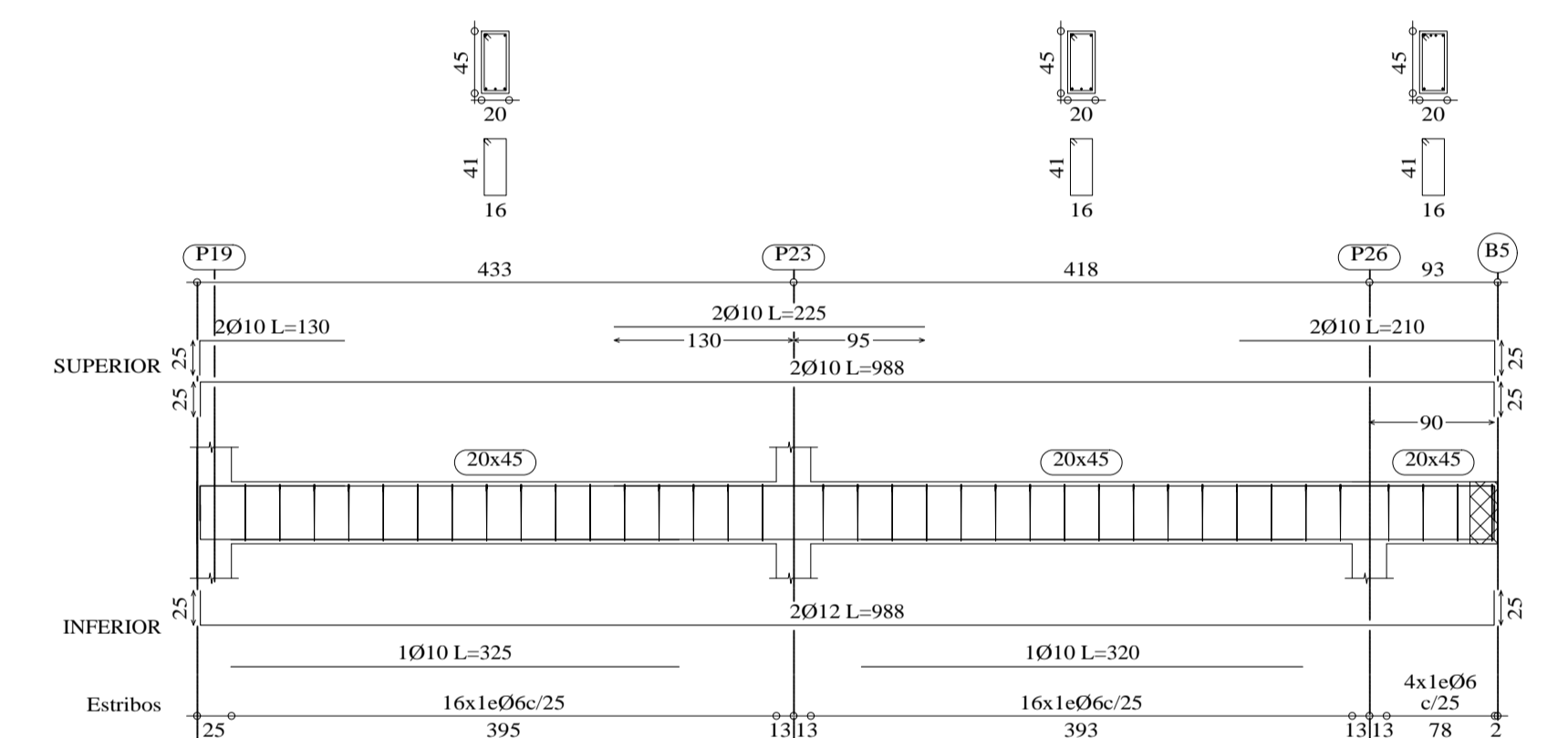
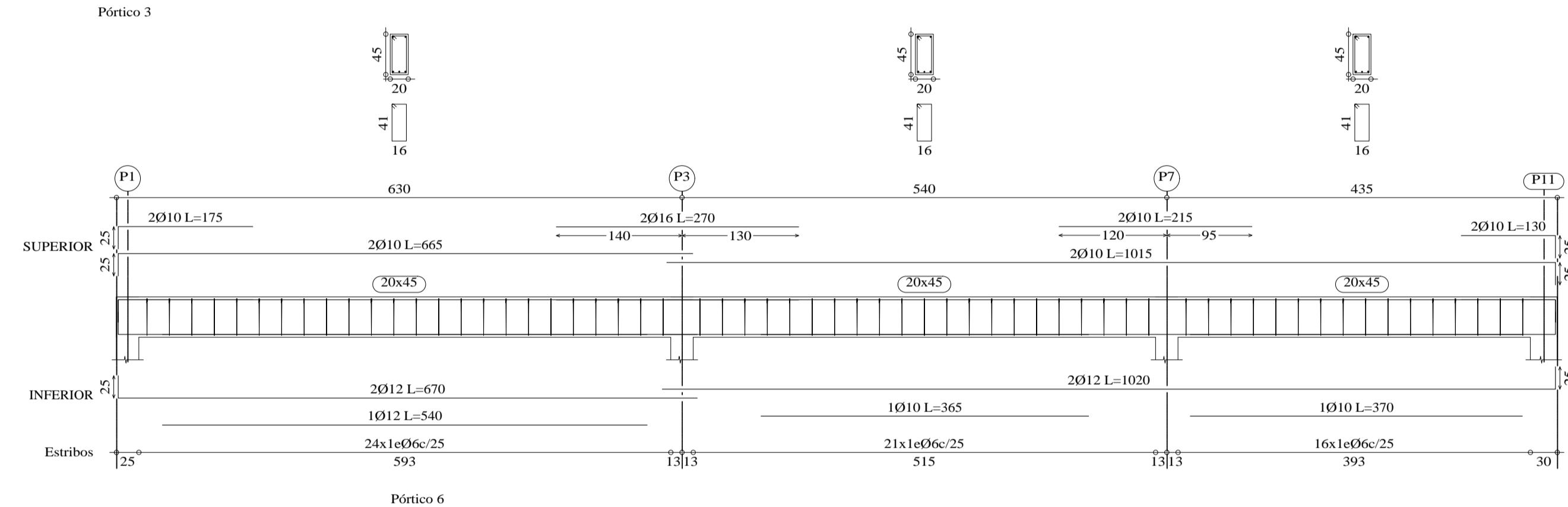
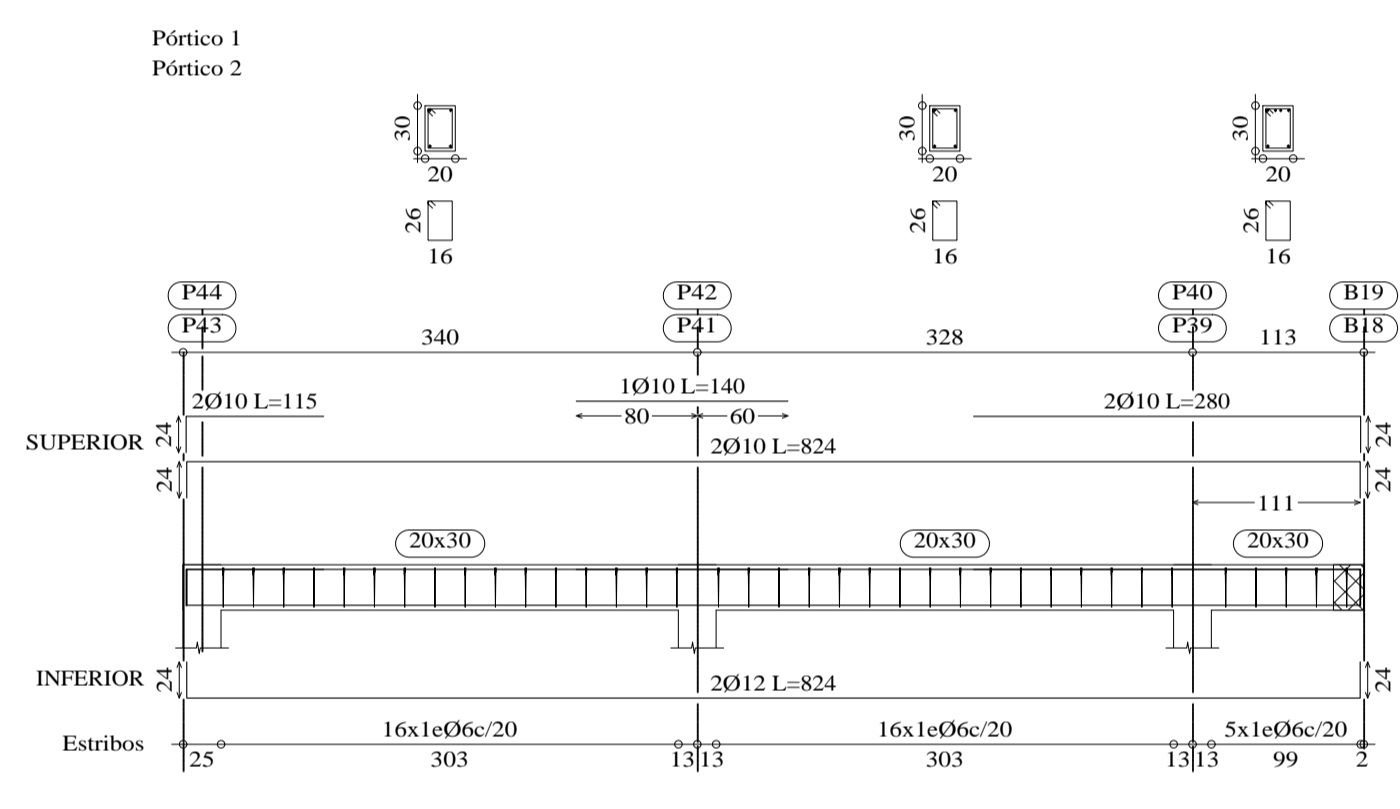
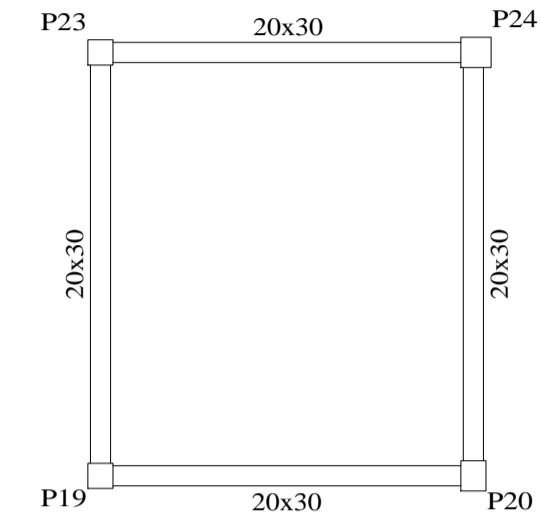
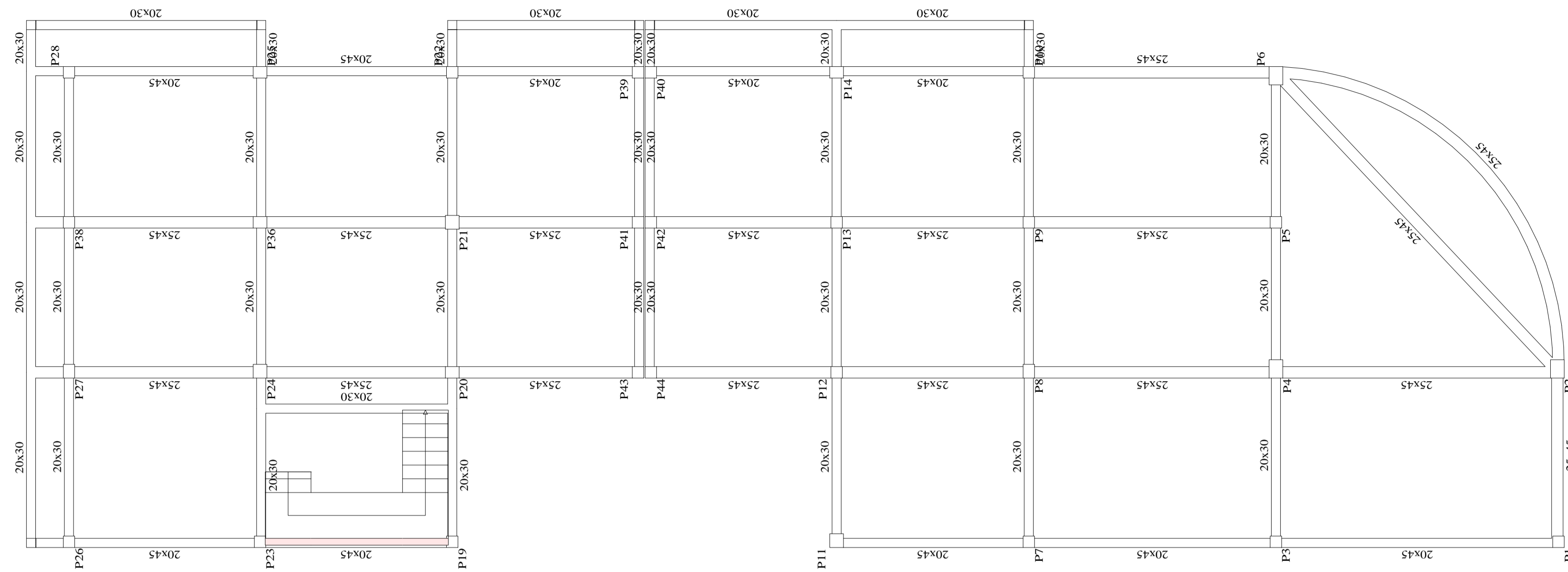
ESCALA: INDICADA

PLANO Nº

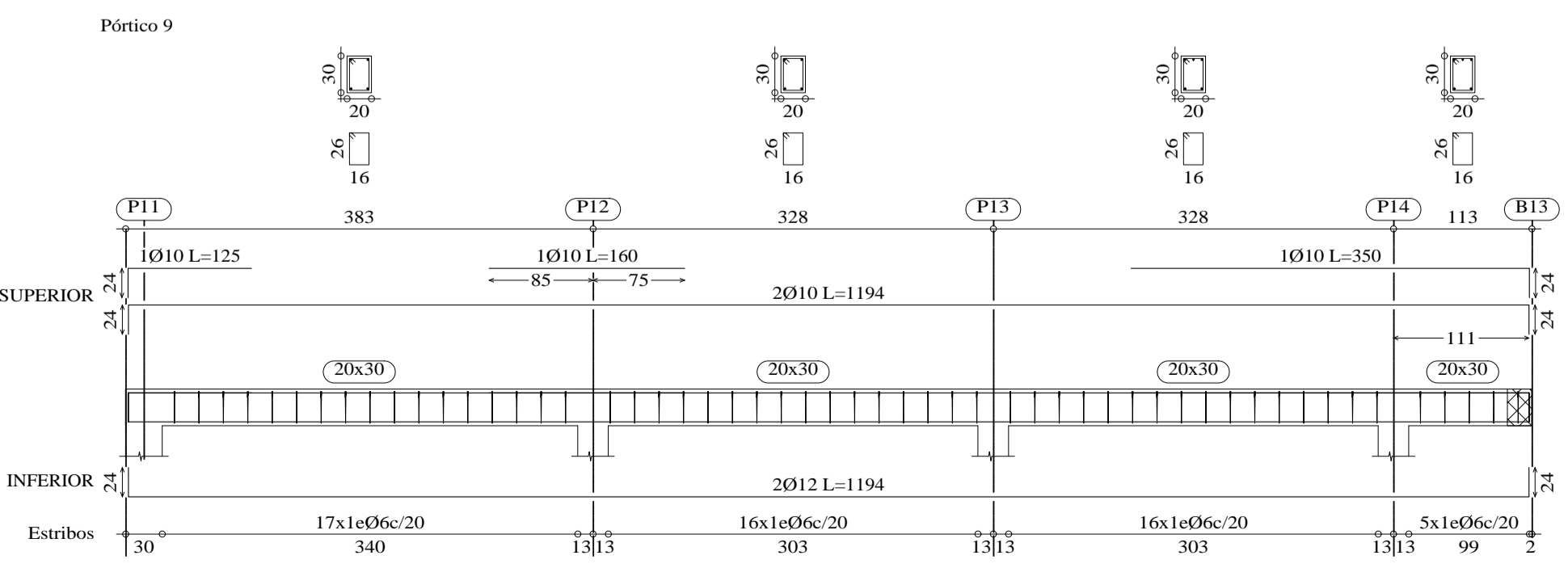
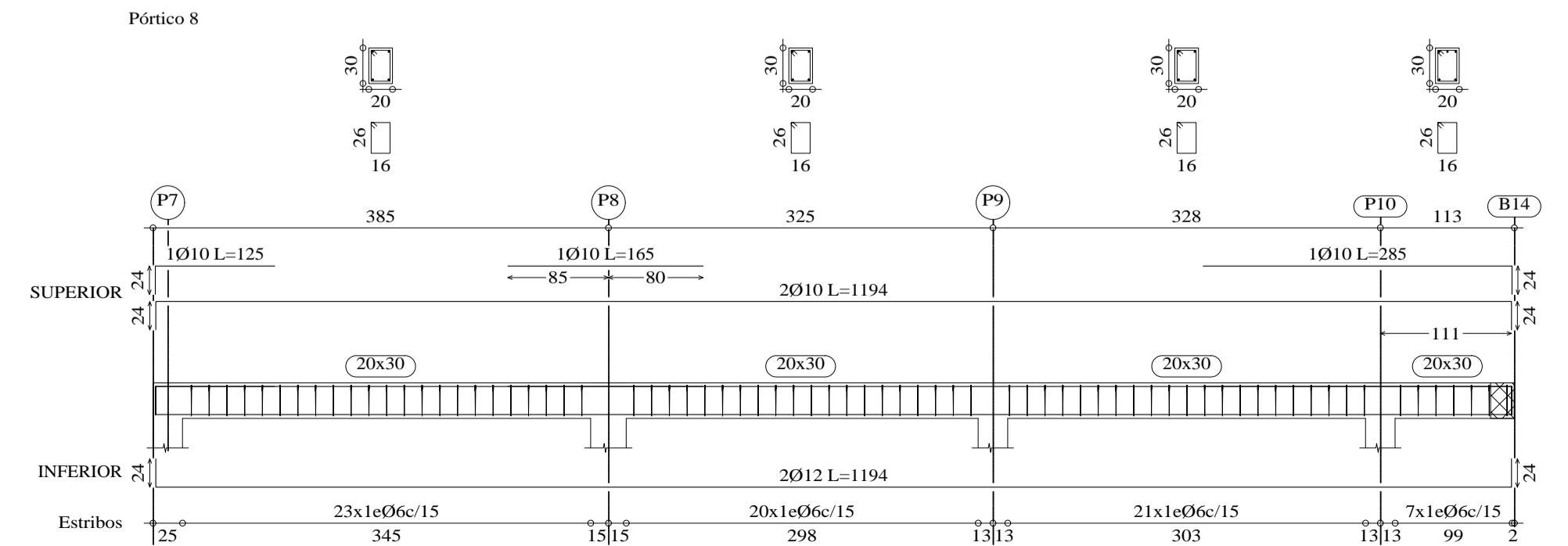
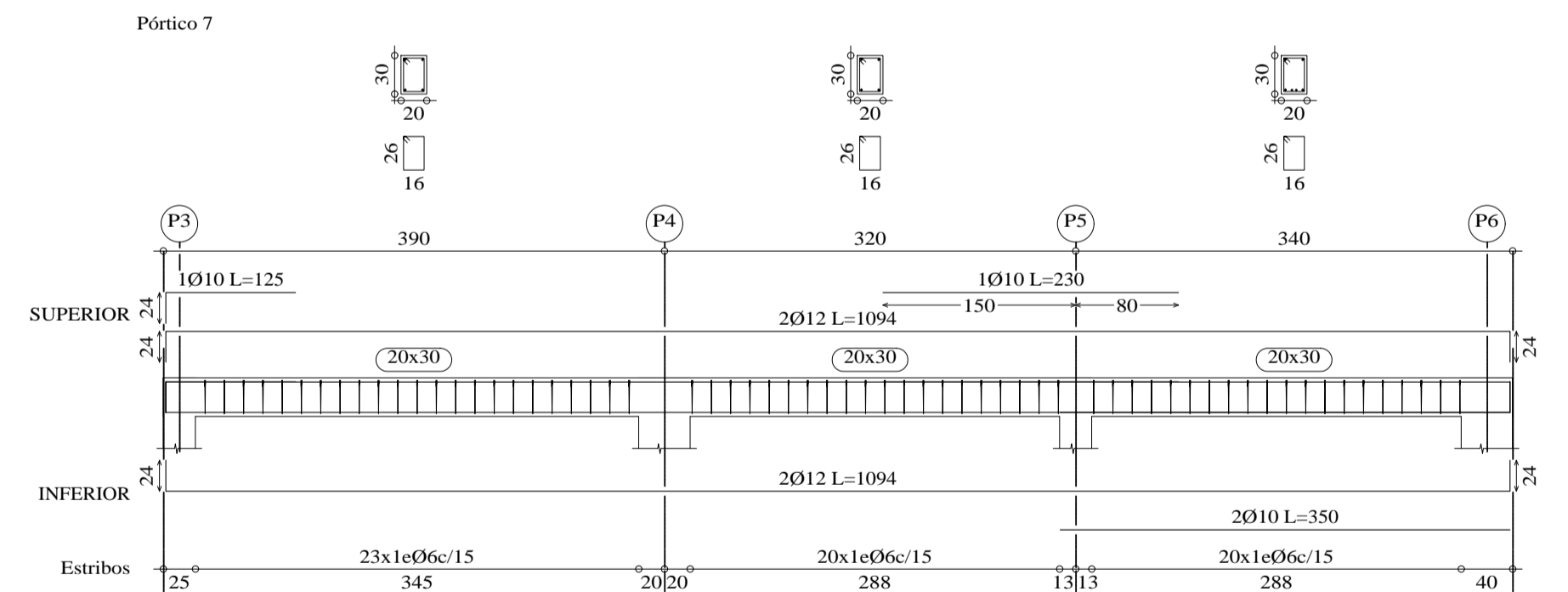
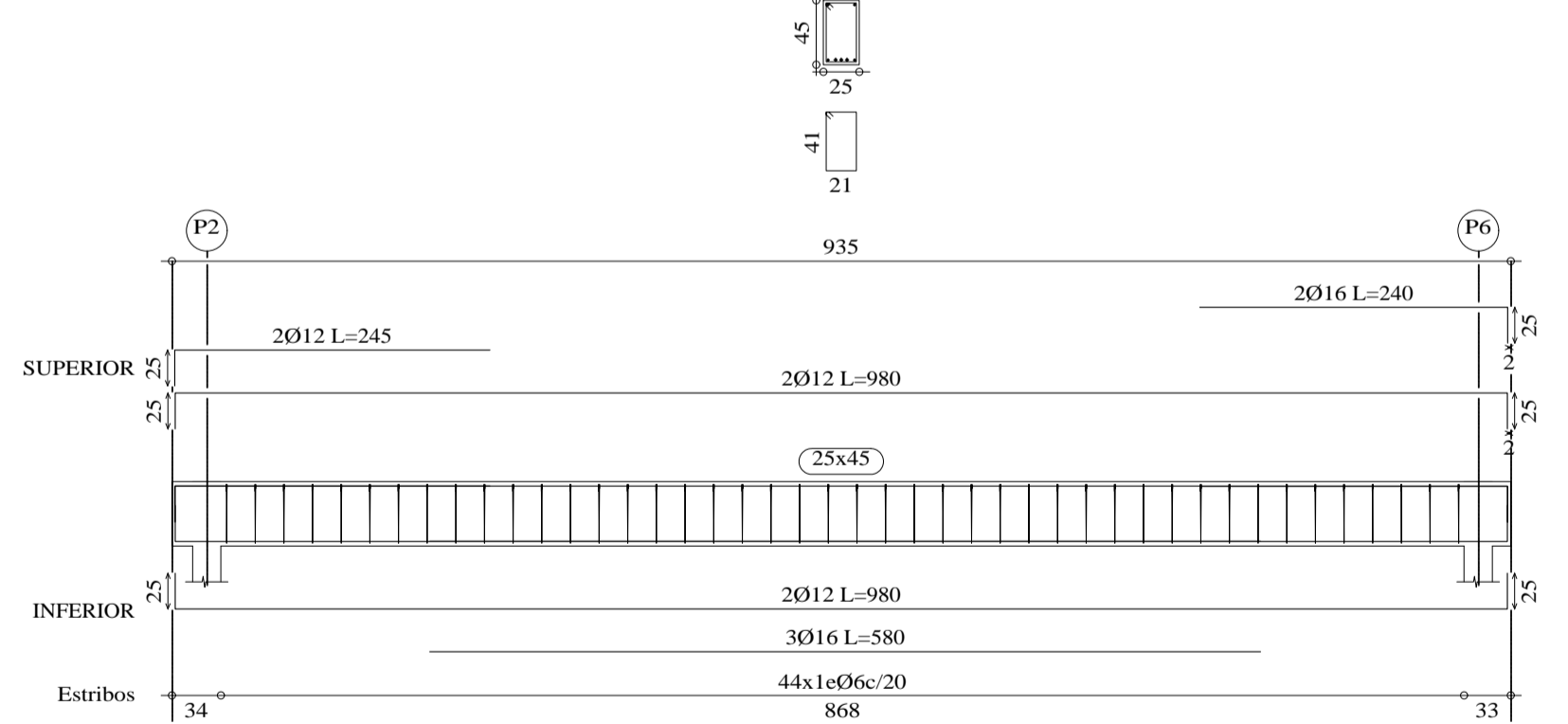
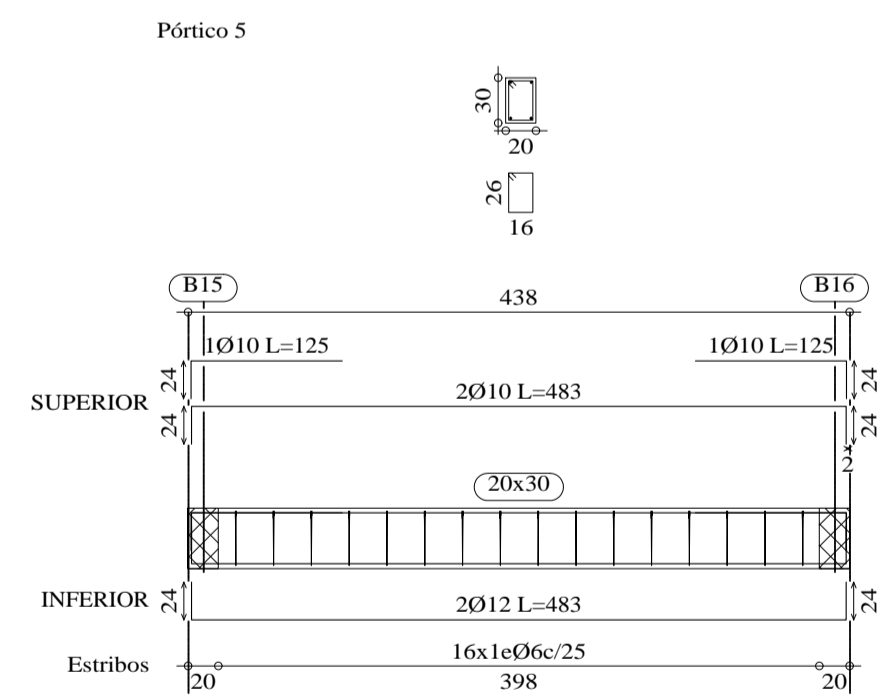
TÍTULO DE LAMINA: DESPIECE DE VIGAS Y LOSA CUBIERTA +14.25 m

FECHA: TARIJA MAYO DE 2024

15/18



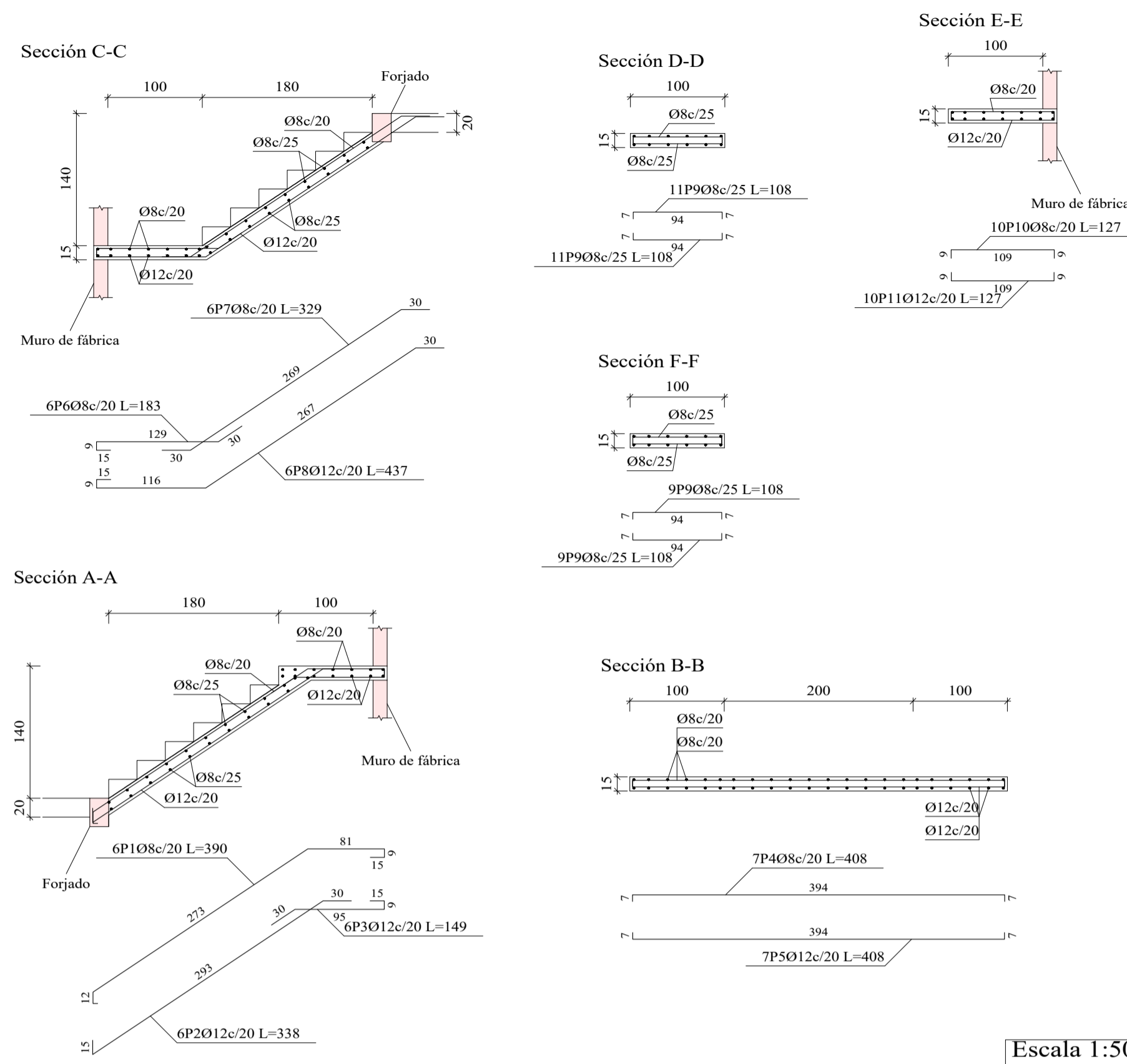
CUBIERTA +14.25  
 Despiece de vigas  
 Hormigón: H-25, Control Normal  
 Acero: AH-500, Control Normal  
 Escala: 1:50



<b>UNIVERSIDAD A. JUAN MISAEL SARACHO</b>	
UNIVERSITARIO: MÉNDEZ SÁNCHEZ KELLY GISELLE	MATERIA: CTV-502 PROYECTO DE INGENIERIA CIVIL II
PROYECTO: DISEÑO ESTRUCTURAL HOTEL AYRE ZONA MORROS BLANCOS	ESCALA: <b>INDICADA</b>
TÍTULO DE LÁMINA: DESPIECE DE VIGAS Y LOSA CUBIERTA +14.25 m	FECHA: TARAJA MAYO DE 2024
	PLANO N° <b>16/18</b>

## Escalera 1

Tramo 1	
Ámbito	1.000 m
Espesor	0.15 m
Huella	0.300 m
Contrahuella	0.200 m
Desnivel que salva	2.80 m
N° de escalones	14
Planta final	PISO 3 + 11.45
Planta inicial	PISO 2 + 8.65
Peso propio	0.375 t/m2
Peldañado (Hormigonado con la losa)	0.208 t/m2
Solado	0.102 t/m2
Barandillas	0.102 t/m
Sobrecarga de uso	0.306 t/m2
Hormigón	H-25 , Control Normal
Acero	AH-500 , Control Normal
Rec. geométrico	2.5 cm



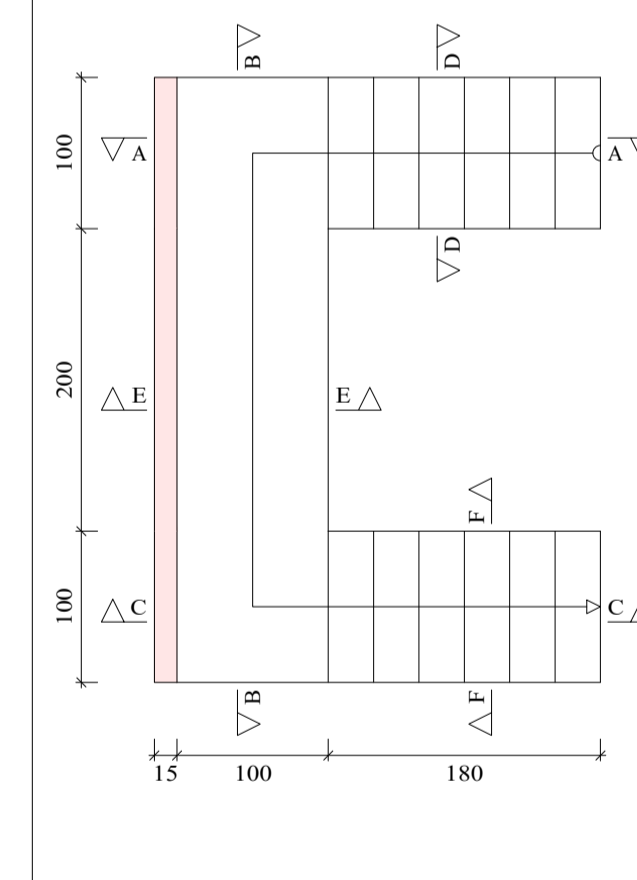
Resumen Acero Escalera 1				
		Long. total (m)	Peso+10% (kg)	Total
AH-500CN	Ø8	138.6	60	
	Ø12	96.7	94	154

Resumen Acero Escalera 2				
		Long. total (m)	Peso+10% (kg)	Total
AH-500CN	Ø8	138.6	60	
	Ø12	96.7	94	154

Elemento	Pos.	Diám.	No.	Long (cm)	Total (cm)	AH-500CN (kg)	
Escalera 1-Tramo 1	1	Ø8	6	390	2340	9.2	
	2	Ø12	6	338	2028	18.0	
	3	Ø12	6	149	894	7.9	
	4	Ø8	7	408	2856	11.3	
	5	Ø12	7	408	2856	25.4	
	6	Ø8	6	183	1098	4.3	
	7	Ø8	6	329	1974	7.8	
	8	Ø12	6	437	2622	23.3	
	9	Ø8	40	108	4320	17.0	
	10	Ø8	10	127	1270	5.0	
	11	Ø12	10	127	1270	11.3	
Total+10%						154.6	
Escalera 2-Tramo 1	12	Ø8	6	390	2340	9.2	
	13	Ø12	6	338	2028	18.0	
	14	Ø12	6	149	894	7.9	
	15	Ø8	7	408	2856	11.3	
	16	Ø12	7	408	2856	25.4	
	17	Ø8	6	183	1098	4.3	
	18	Ø8	6	329	1974	7.8	
	19	Ø12	6	437	2622	23.3	
	20	Ø8	40	108	4320	17.0	
	21	Ø8	10	127	1270	5.0	
	22	Ø12	10	127	1270	11.3	
	Total+10%						154.6
Escalera 3-Tramo 1	23	Ø8	6	390	2340	9.2	
	24	Ø12	6	338	2028	18.0	
	25	Ø12	6	149	894	7.9	
	26	Ø8	7	408	2856	11.3	
	27	Ø12	7	408	2856	25.4	
	28	Ø8	6	183	1098	4.3	
	29	Ø8	6	329	1974	7.8	
	30	Ø12	6	437	2622	23.3	
	31	Ø8	40	108	4320	17.0	
	32	Ø8	10	127	1270	5.0	
	33	Ø12	10	127	1270	11.3	
	Total+10%						154.6
	Escalera 4-Tramo 1	34	Ø8	6	414	2484	9.8
35		Ø10	9	330	2970	19.9	
36		Ø10	9	146	1314	8.1	
37		Ø8	7	408	2856	11.3	
38		Ø10	10	408	4080	25.2	
39		Ø8	6	183	1098	4.3	
40		Ø8	6	351	2106	8.3	
41		Ø10	9	660	4440	25.5	
42		Ø8	44	108	4752	18.8	
43		Ø8	10	127	1270	5.0	
44		Ø10	10	127	2012	12.5	
Total+10%						163.6	
Ø8						243.6	
Ø10						100.3	
Ø12						283.5	
Total						627.4	

## Escalera 3

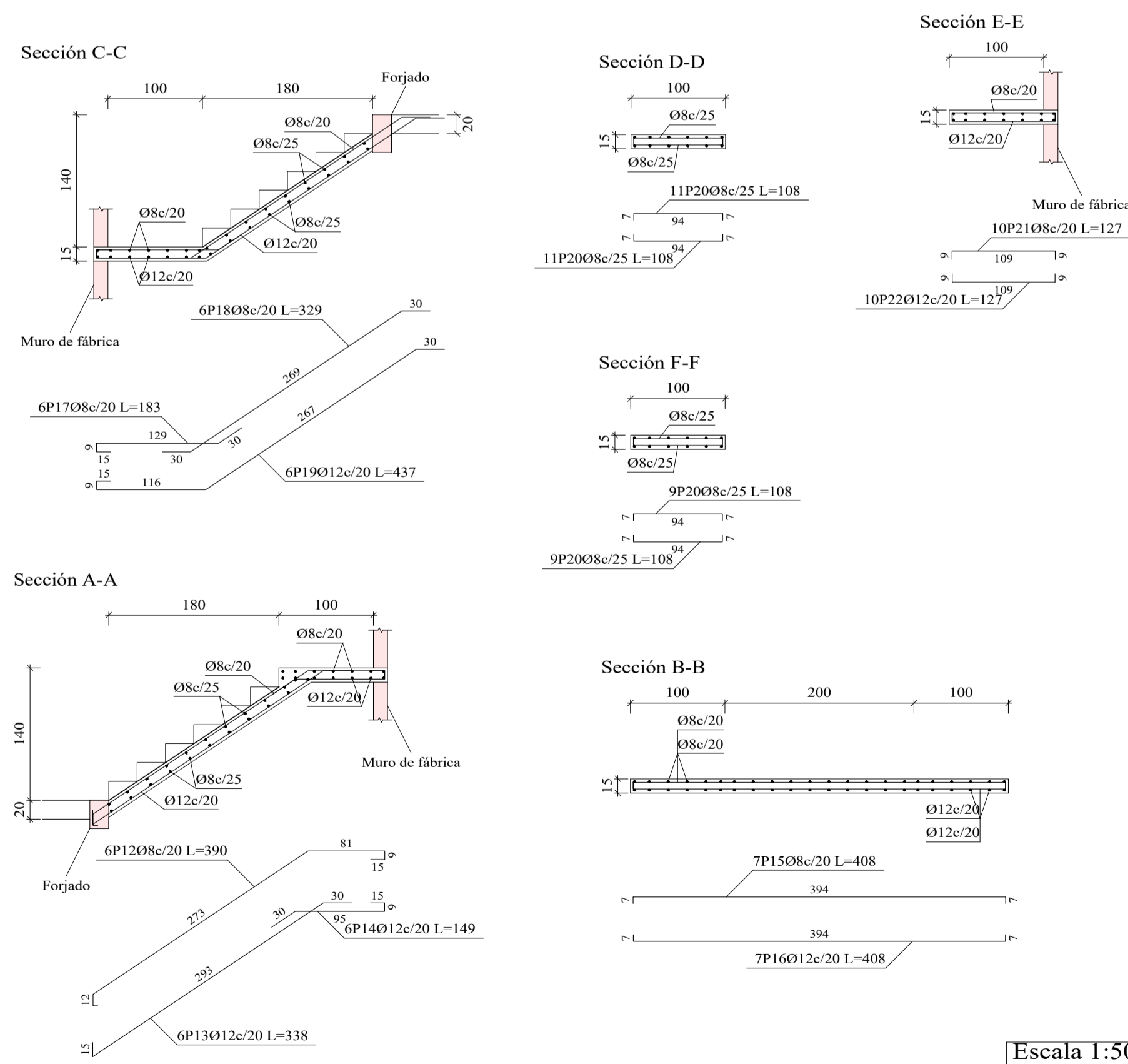
Tramo 1	
Ámbito	1.000 m
Espesor	0.15 m
Huella	0.300 m
Contrahuella	0.200 m
Desnivel que salva	2.80 m
N° de escalones	14
Planta final	PISO 2 + 8.65
Planta inicial	PISO 1 + 5.80
Peso propio	0.375 t/m2
Peldañado (Hormigonado con la losa)	0.208 t/m2
Solado	0.102 t/m2
Barandillas	0.102 t/m
Sobrecarga de uso	0.306 t/m2
Hormigón	H-25 , Control Normal
Acero	AH-500 , Control Normal
Rec. geométrico	2.5 cm



Escala 1:50

## Escalera 2

Tramo 1	
Ámbito	1.000 m
Espesor	0.15 m
Huella	0.300 m
Contrahuella	0.200 m
Desnivel que salva	2.80 m
N° de escalones	14
Planta final	CUBIERTA +14.25
Planta inicial	PISO 3 + 11.45
Peso propio	0.375 t/m2
Peldañado (Hormigonado con la losa)	0.208 t/m2
Solado	0.102 t/m2
Barandillas	0.102 t/m
Sobrecarga de uso	0.306 t/m2
Hormigón	H-25 , Control Normal
Acero	AH-500 , Control Normal
Rec. geométrico	2.5 cm



Escala 1:50

Resumen Acero Escalera 3				
		Long. total (m)	Peso+10% (kg)	Total
AH-500CN	Ø8	138.6	60	
	Ø12	96.7	94	154

Resumen Acero Escalera 4				
		Long. total (m)	Peso+10% (kg)	Total
AH-500CN	Ø8	145.5	63	
	Ø10	148.0	100	163



UNIVERSIDAD A. JUAN MISAEL SARACHO

UNIVERSITARIO: MENZES SANCHEZ KELLY GISELLE

MATERIA: CIV-502 PROYECTO DE INGENIERIA CIVIL II

PROYECTO: DISEÑO ESTRUCTURAL HOTEL AYRE ZONA MORROS BLANCOS

ESCALA: INDICADA

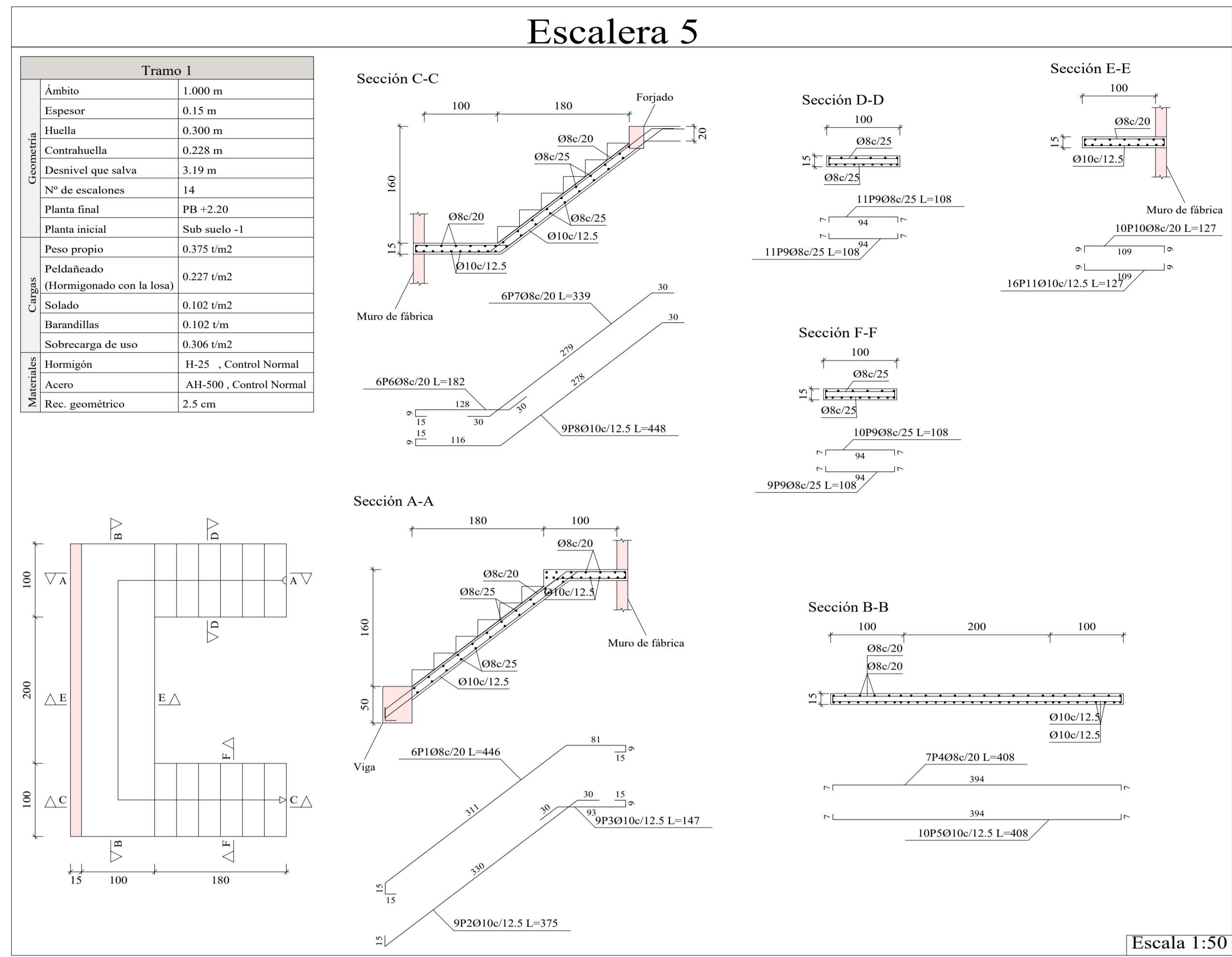
TITULO DE LAMINA: DESPIECE DE VIGAS Y ESCALERAS

FECHA: TARAJA MAYO DE 2024

PLANO N°

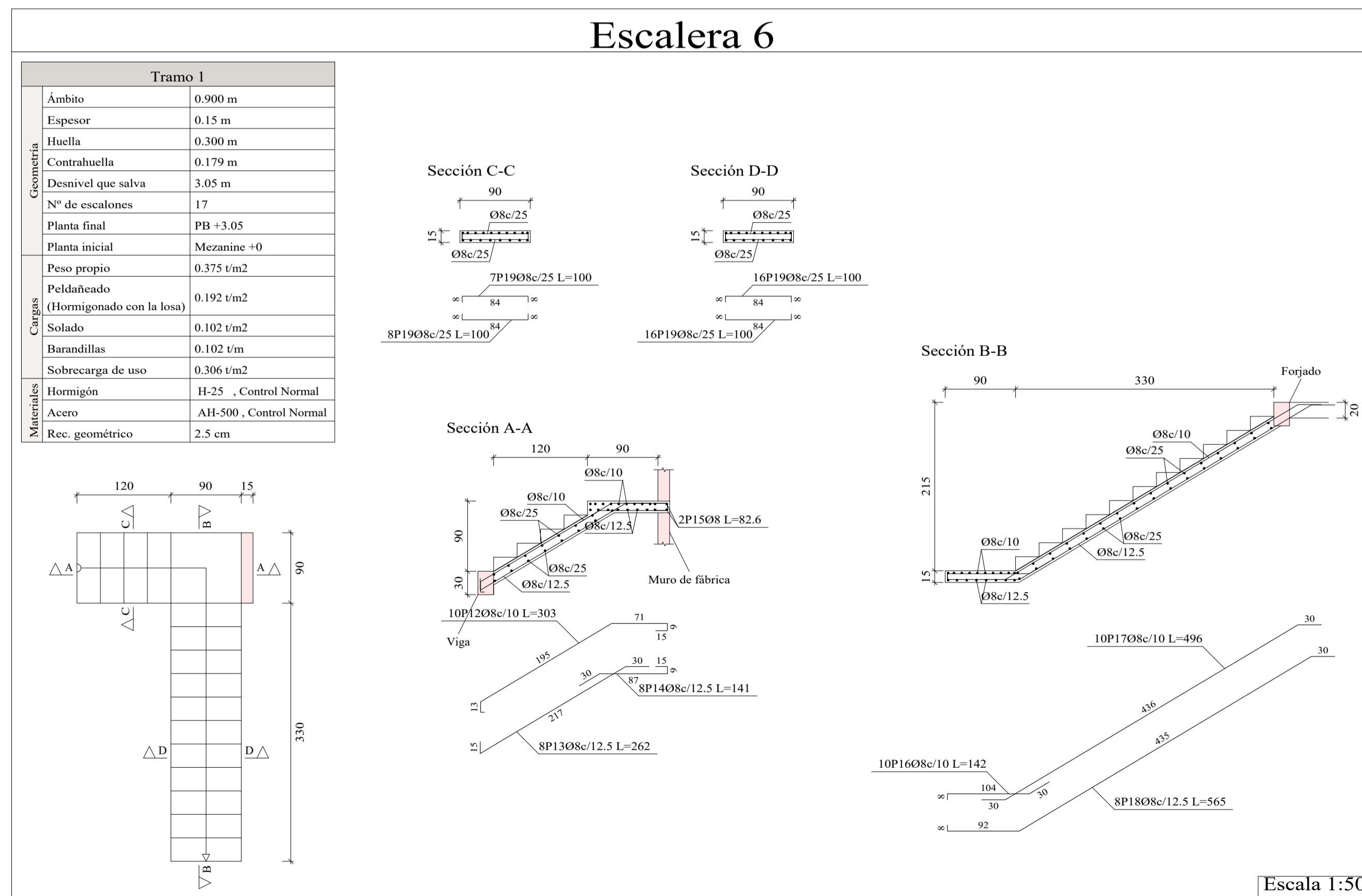
17/18

Resumen Acero Escalera 5	Long. total (m)	Peso+10% (kg)	Total
AH-500CN Ø8	143.6	62	
Ø10	148.4	101	163



Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	AH-500CN (kg)	
Escalera 5-Tramo 1	1	Ø8	6	446	2676	10.6	
	2	Ø10	9	375	3375	20.8	
	3	Ø10	9	147	1323	8.2	
	4	Ø8	7	408	2856	11.3	
	5	Ø10	10	408	4080	25.2	
	6	Ø8	6	182	1092	4.3	
	7	Ø8	6	339	2034	8.0	
	8	Ø10	9	448	4032	24.9	
	9	Ø8	41	108	4428	17.5	
	10	Ø8	10	127	1270	5.0	
	11	Ø10	16	127	2032	12.5	
Total+10%:						163.1	
Escalera 6-Tramo 1	12	Ø8	10	303	3030	12.0	
	13	Ø8	8	262	2096	8.3	
	14	Ø8	8	141	1128	4.5	
	15	Ø8	2	83	166	0.7	
	16	Ø8	10	142	1420	5.6	
	17	Ø8	10	496	4960	19.6	
	18	Ø8	8	265	4520	17.8	
	19	Ø8	47	100	4700	18.5	
	Total+10%:						95.7
	Ø8						138.1
Ø10						100.7	
Total						238.8	

Resumen Acero Escalera 6	Long. total (m)	Peso+10% (kg)
AH-500CN Ø8	220.2	96



**UNIVERSIDAD A. JUAN MISAEL SARACHO**

UNIVERSITARIO:  
MÉNDEZ SÁNCHEZ KELLY GISELLE

MATERIA:  
CVI-502 PROYECTO DE INGENIERIA CIVIL II

PROYECTO:  
DISEÑO ESTRUCTURAL HOTEL AYRE  
ZONA MORROS BLANCOS  
TITULO DE LAMINA:  
DESPIECE DE ESCALERAS

ESCALA:  
**INDICADA**  
FECHA:  
TARJIA MAYO DE 2024

PLANO Nº  
**18/18**