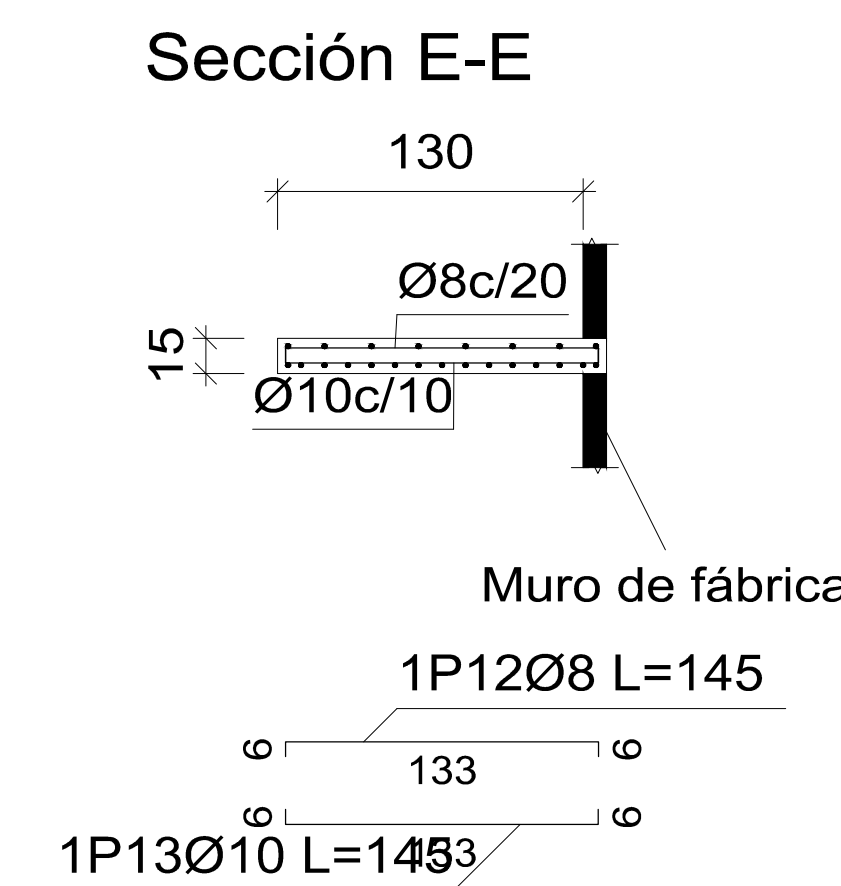
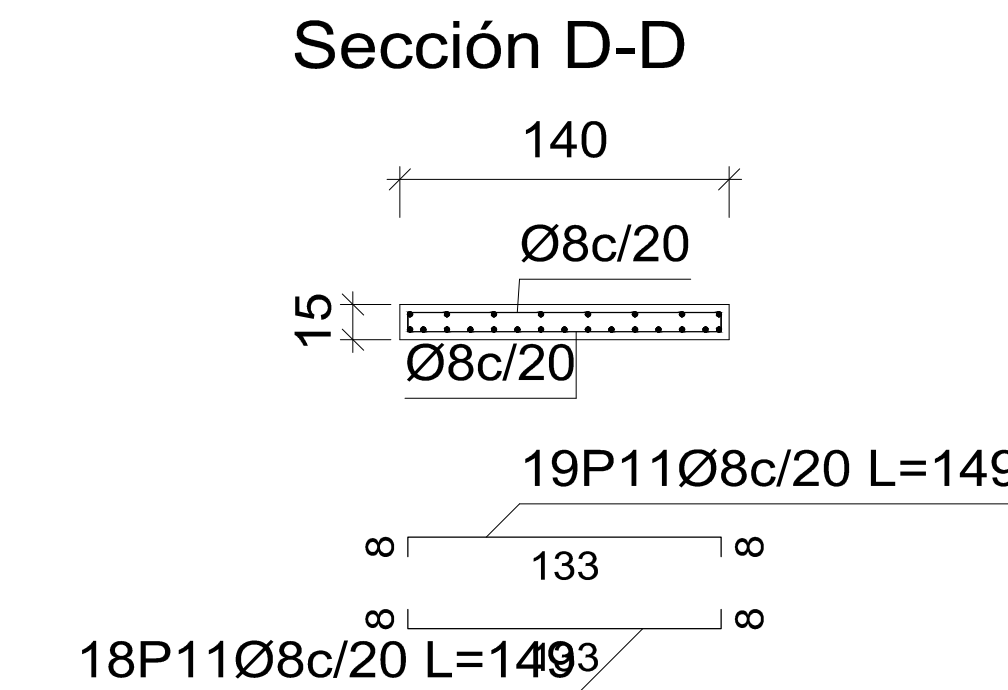
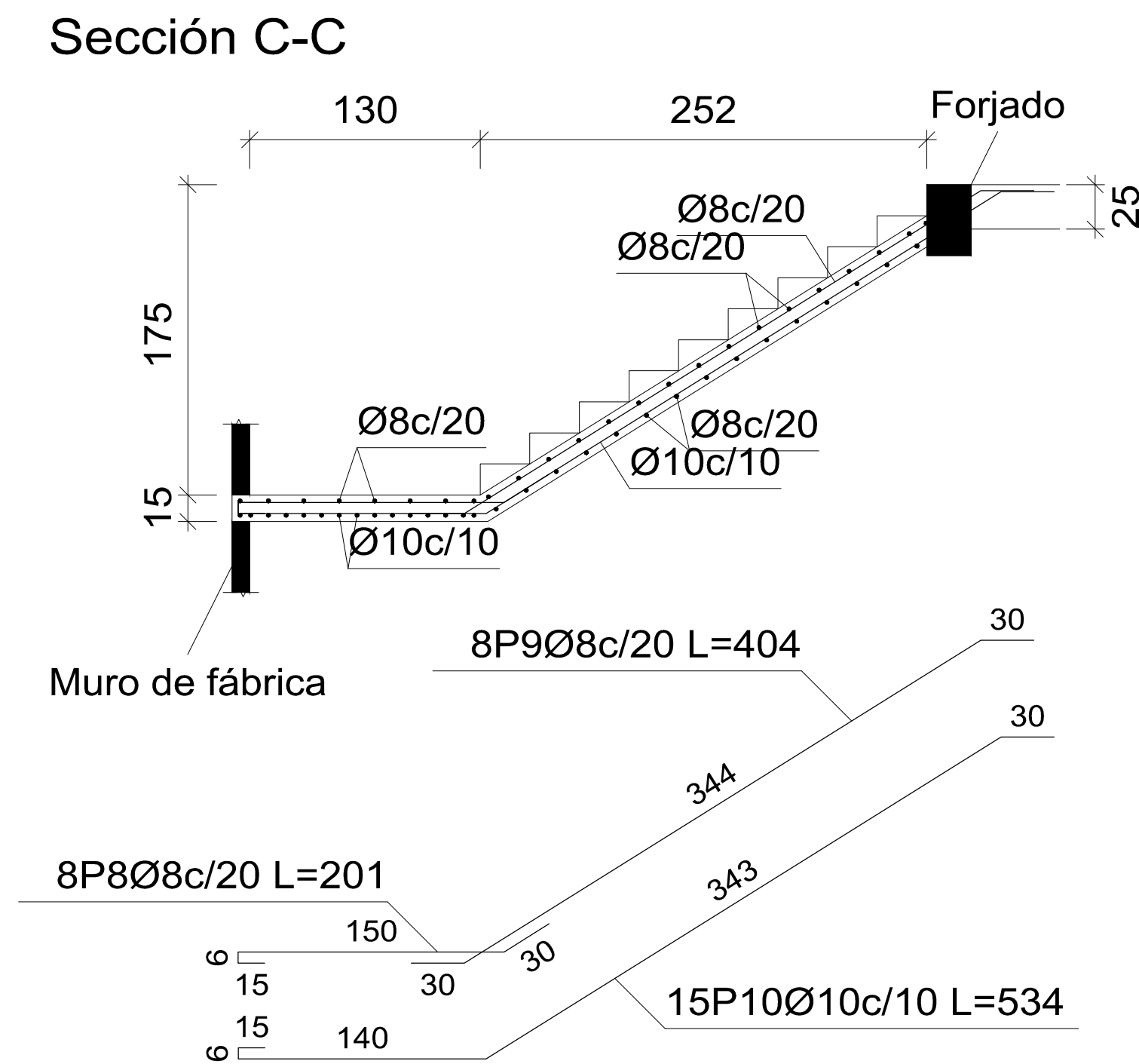
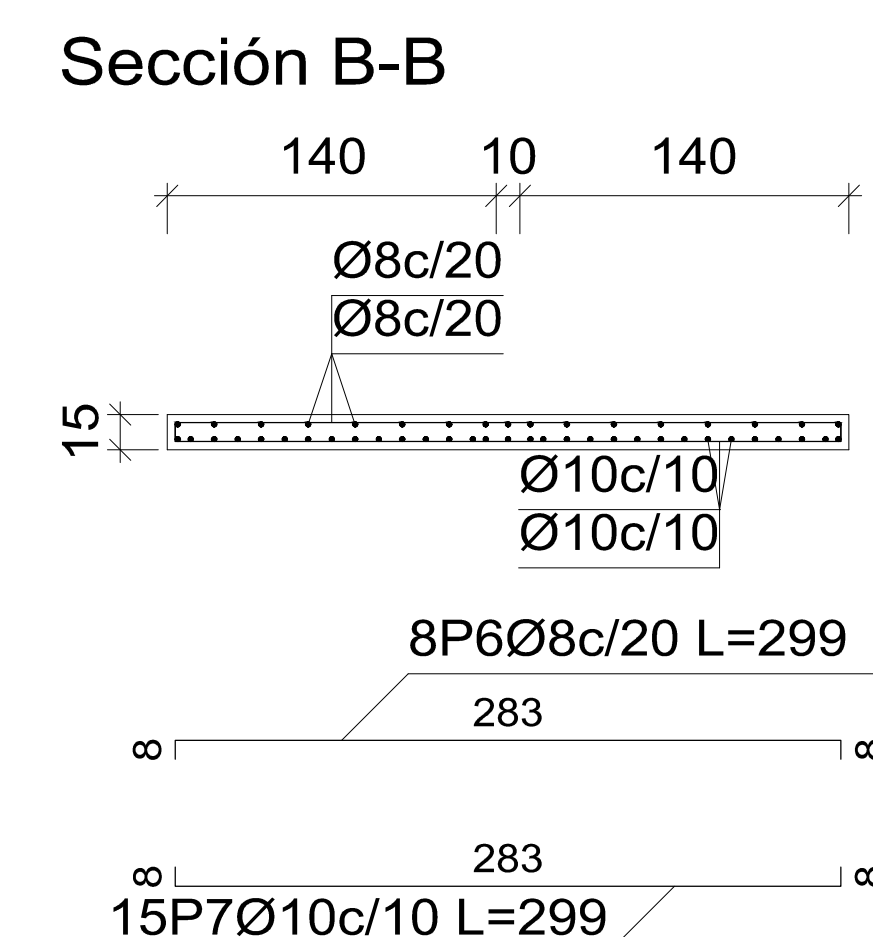
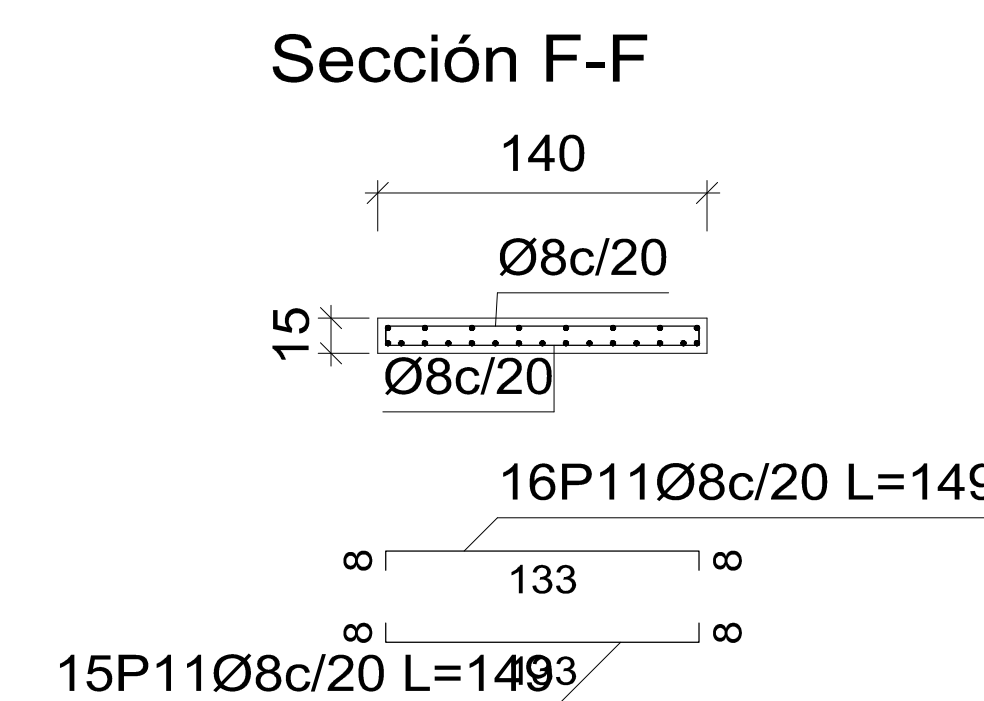
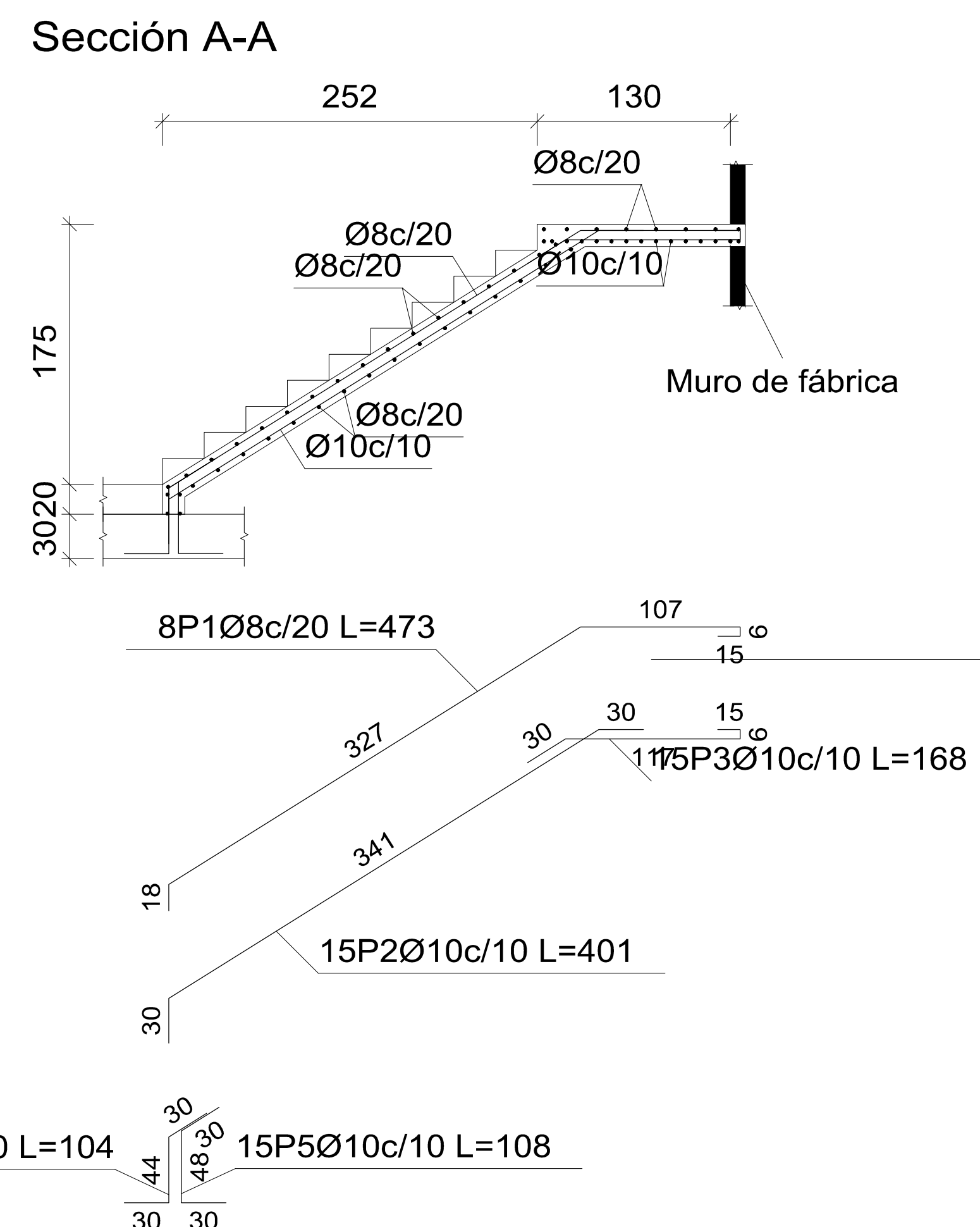
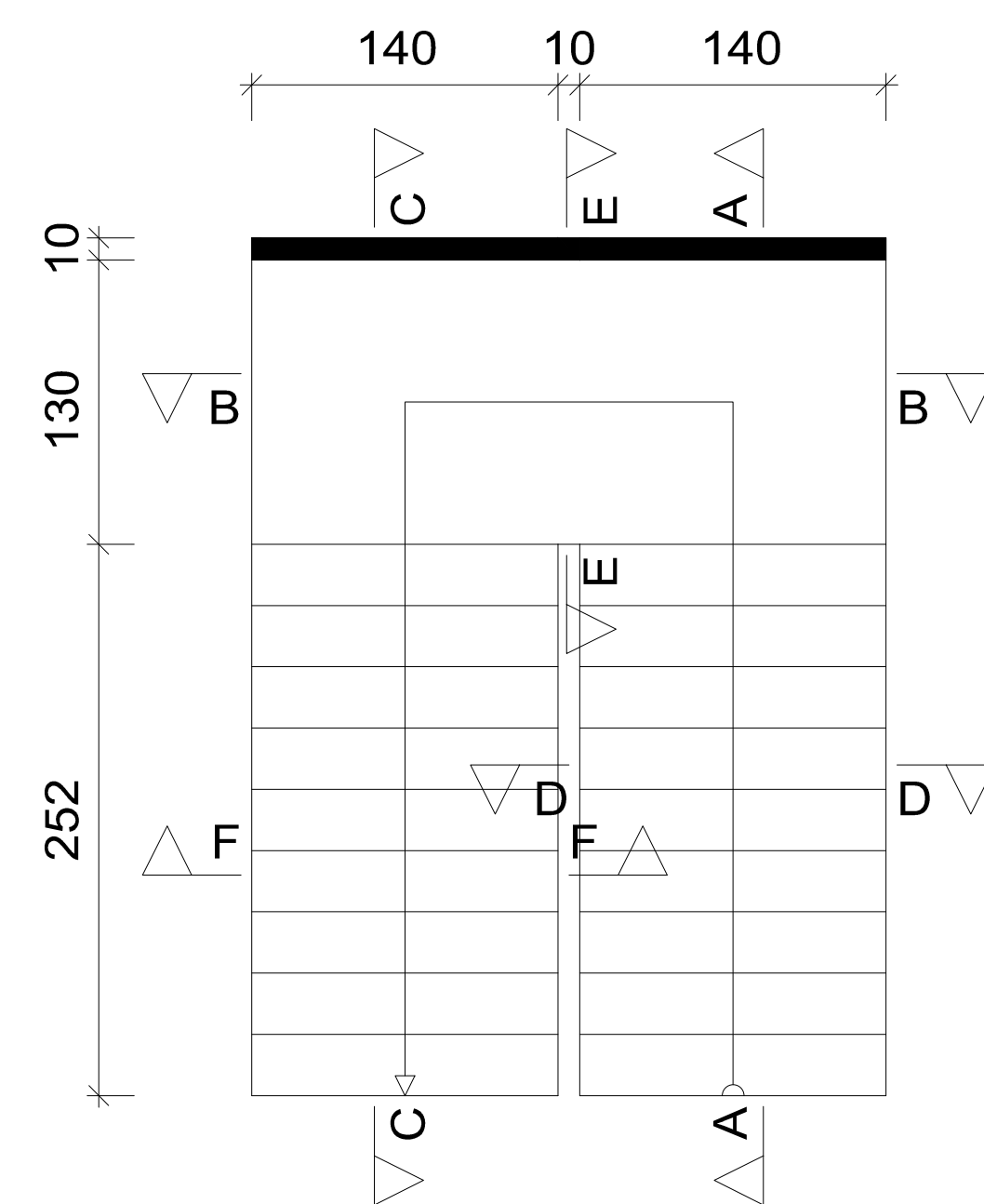


PLANO DE ARMADURA DE ESCALERAS

Tramo 1		
Geometría	Ámbito	1.400 m
	Espesor	0.15 m
	Huella	0.280 m
	Contrahuella	0.175 m
	Desnivel que salva	3.70 m
	Nº de escalones	20
Cargas	Planta final	primer piso
	Planta inicial	planta baja
	Peso propio	3.68 kN/m ²
	Peldañeado (Hormigonado con la losa)	1.82 kN/m ²
	Solado	0.98 kN/m ²
	Barandillas	0.98 kN/m
Materiales	Sobrecarga de uso	2.94 kN/m ²
	Hormigón	H-25 , Control Normal
	Acero	AH-500 , Control Intenso
	Rec. geométrico	3.0 cm



Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	AH-500CI (kg)
Escalera 1-Tramo 1	1	Ø8	8	473	3784	14.9
	2	Ø10	15	401	6015	37.1
	3	Ø10	15	168	2520	15.5
	4	Ø8	8	104	832	3.3
	5	Ø10	15	108	1620	10.0
	6	Ø8	8	299	2392	9.4
	7	Ø10	15	299	4485	27.7
	8	Ø8	8	201	1608	6.3
	9	Ø8	8	404	3232	12.8
	10	Ø10	15	534	8010	49.4
	11	Ø8	68	149	10132	40.0
	12	Ø8	1	145	145	0.6
	13	Ø10	1	145	145	0.9
					Total+10%:	250.7
					Ø8:	96.0
					Ø10:	154.7
					Total:	250.7



Resumen Acero Escalera 1	Long. total (m)	Peso+10% (kg)	Total
AH-500CI Ø8	221.3	96	251
Ø10	228.0	155	



UNIVERSIDAD AUTONOMA JUAN MISAEL SARACHO

DEPARTAMENTO DE ESTRUCTURAS

MATERIA: CIV-502 Proyecto de grado II

PLANO DE ARMADURA DE ESCALERAS

Escala: 1:50

Estudiante:
FABIANA IRAHOLA MURILLO

12/12

Fecha: Tja, Marzo. 2022