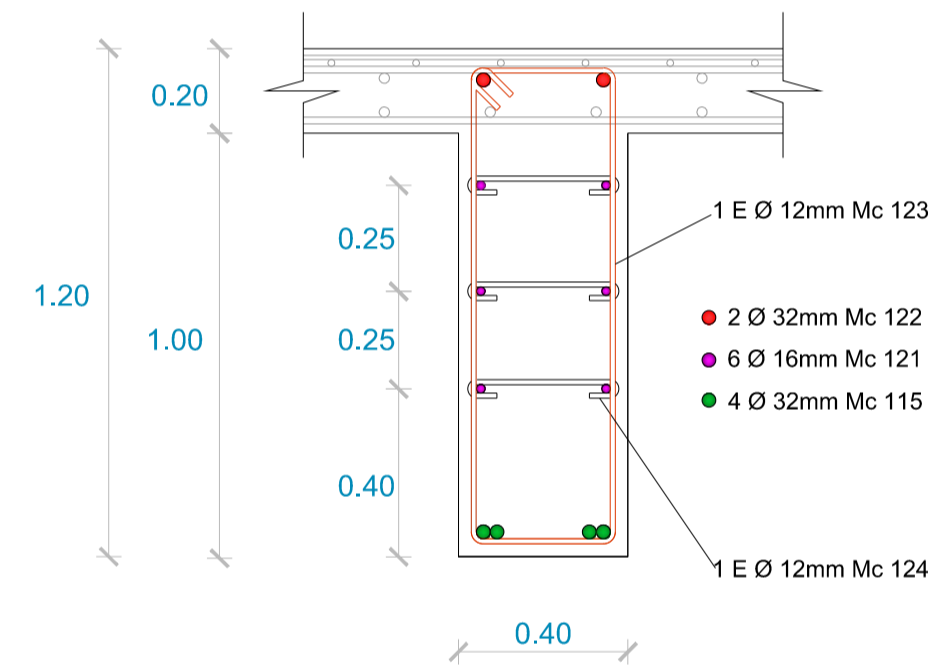
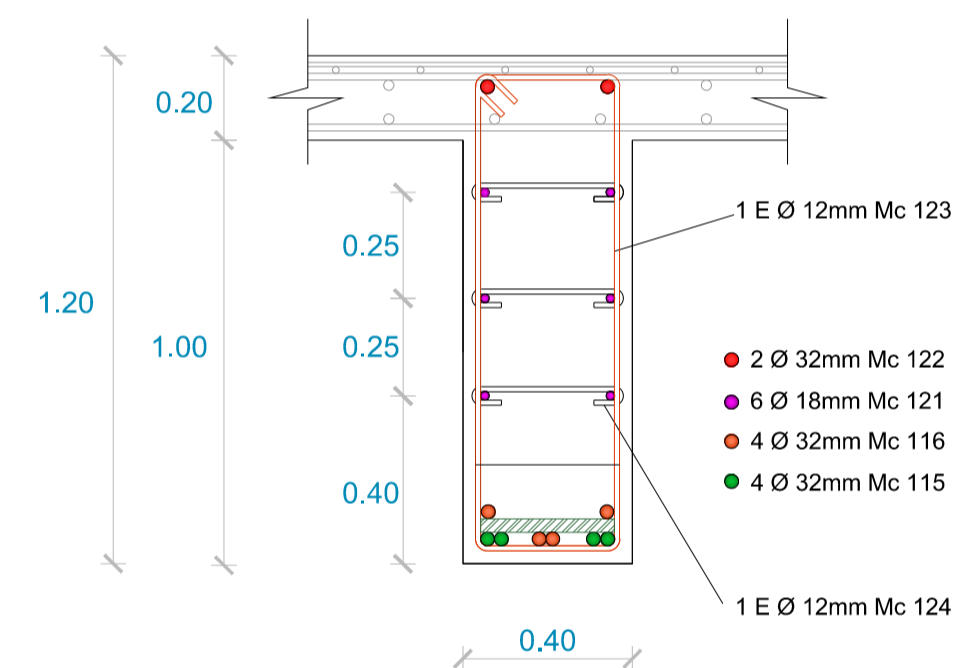


ARMADO DE VIGA EXTERIOR E INTERIOR

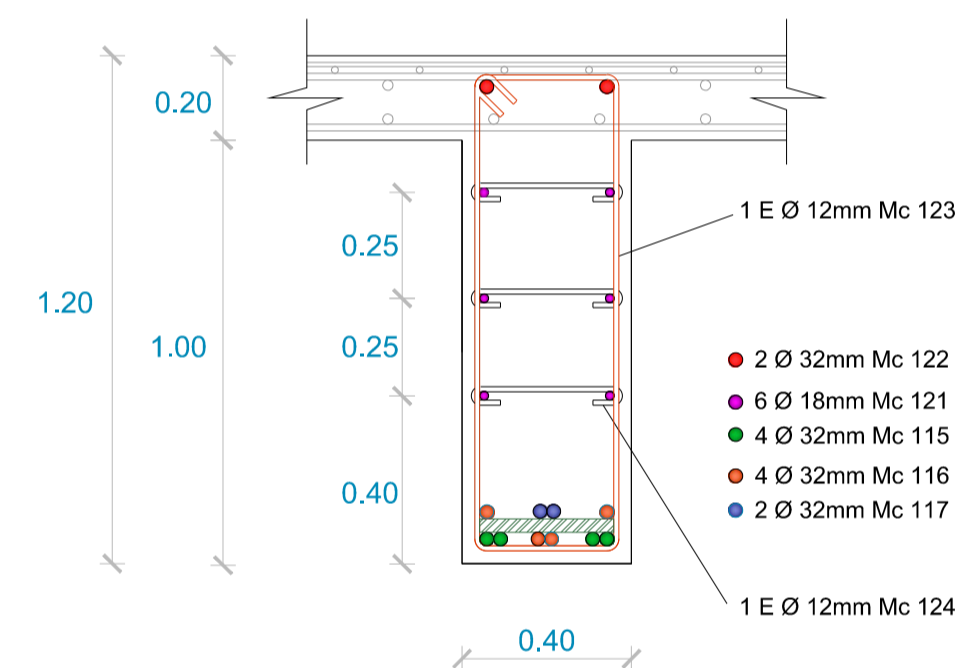
Escala: _____ X= 1:50
Y= 1:40



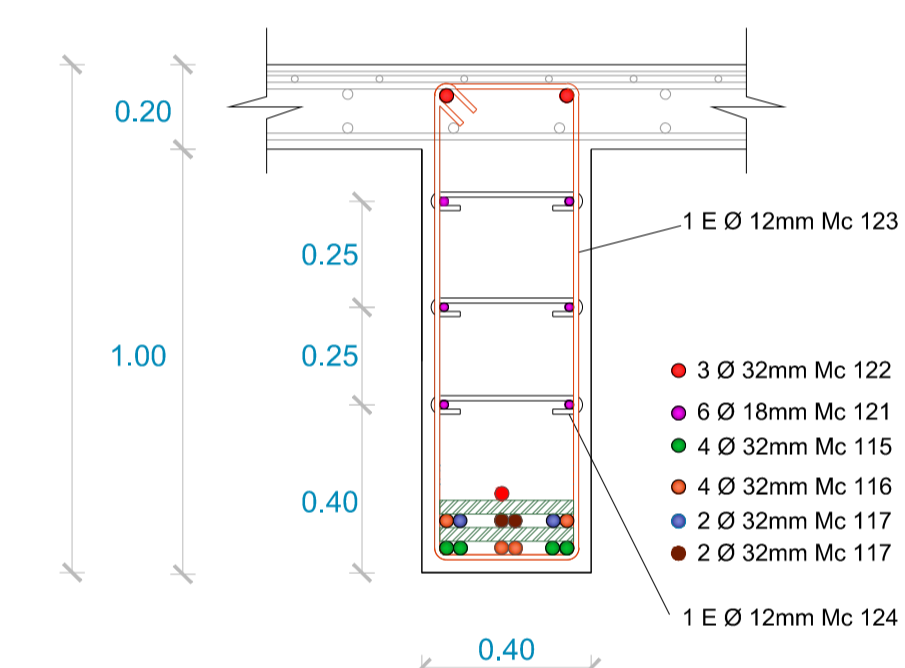
CORTE DE VIGA A - A'
Escala: _____ 1:20



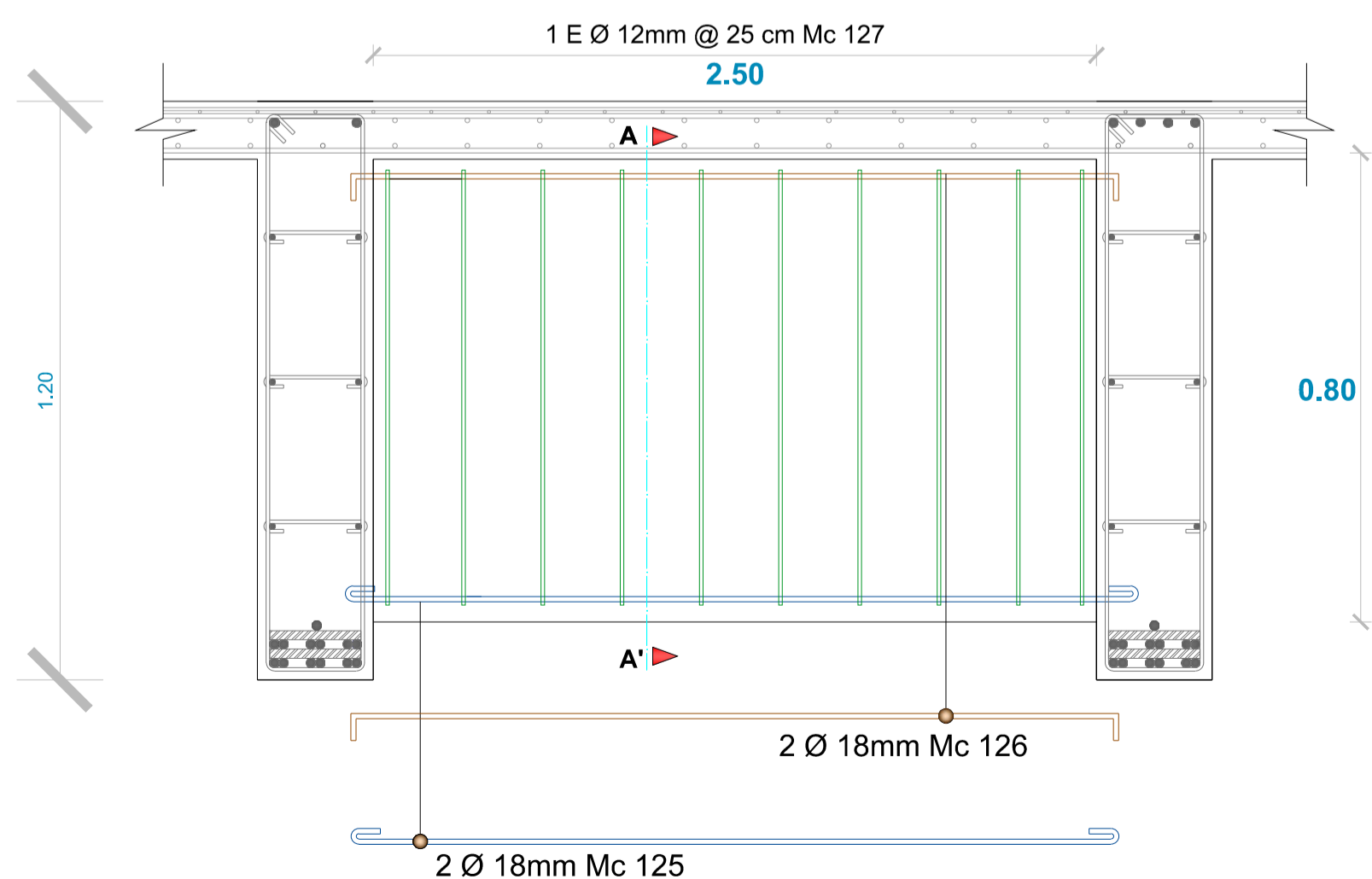
CORTE DE VIGA B - B'
Escala: _____ 1:20



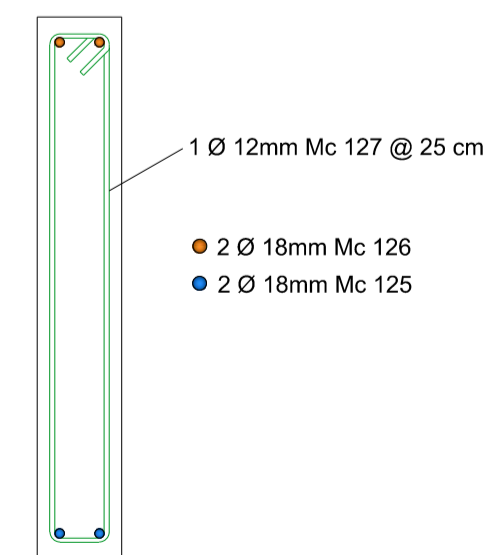
CORTE DE VIGA C - C'
Escala: _____ 1:20



CORTE DE VIGA D - D'
Escala: _____ 1:20



ARMADO DE DIAFRAGMA
Escala: _____ Y= 1:25

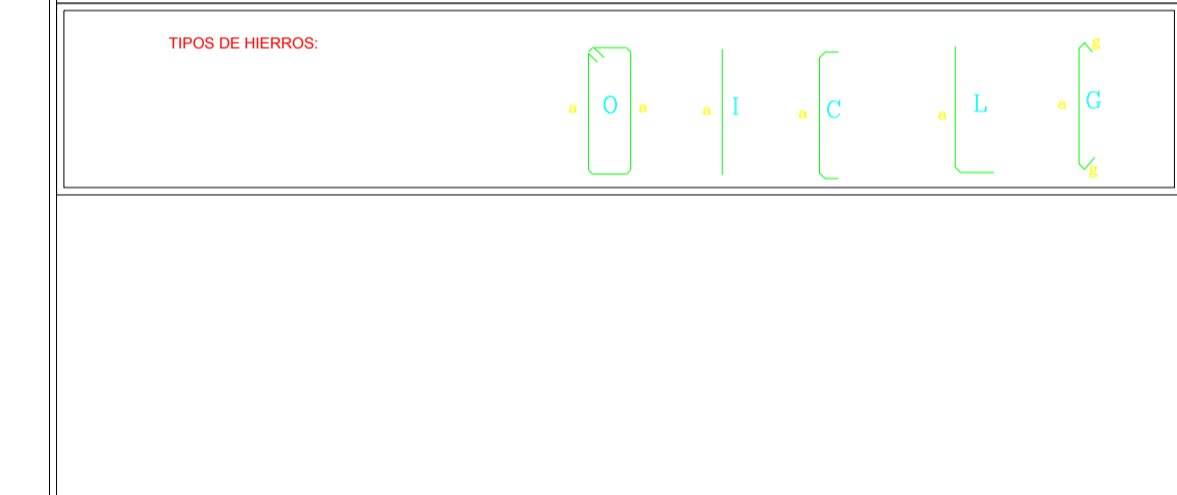


CORTE A - A' DE DIAFRAGMA
Escala: _____ X= 1:50
Y= 1:25

CUADRO DE HIERROS												
MARCA	TIPO	Ø	Peso kg/m	CANTIDAD	DIMENSIONES				LONG.	LONG. TOTAL	PESO TOTAL (KG)	OBSERVACION
					a	b	c	d				
Viga central 1-2												
115	G	32	6.313	8	17.00			0.36	17.36	138.88	876.75	
117	G	32	6.313	8	10.80			0.36	11.16	89.28	563.62	
118	G	32	6.313	4	5.80			0.36	6.16	24.64	155.55	
120	G	32	6.313	4	2.75			0.36	3.11	12.44	77.80	
121	G	16	1.578	12	17.00			0.36	17.36	208.32	328.73	
122	G	32	6.313	4	17.00			0.36	17.36	89.44	483.37	
123	G	12	0.888	152	1.14	1.14	0.34	0.36	0.2	3.18	483.35	429.22
124	G	12	0.888	456	0.36			0.36	0.72	328.32	295.55	
total int											3201.60	kg
Viga exterior 1												
115	G	32	6.313	4	17.00			0.36	17.36	69.44	438.37	
117	G	32	6.313	4	10.80			0.36	11.16	44.64	283.81	
118	G	32	6.313	2	5.80			0.36	6.16	12.32	77.78	
120	G	32	6.313	3	2.75			0.36	3.11	9.33	58.90	
121	G	16	1.578	6	17.00			0.36	17.36	104.88	164.36	
122	G	32	6.313	2	17.00			0.36	17.36	34.72	218.19	
123	G	12	0.888	76	1.14	1.14	0.34	0.36	0.2	3.18	244.68	214.61
124	G	12	0.888	228	0.36			0.36	0.72	144.16	145.77	
total int											1600.80	kg
Viga exterior 2												
115	G	32	6.313	4	17.00			0.36	17.36	69.44	438.37	
117	G	32	6.313	4	10.80			0.36	11.16	44.64	283.81	
118	G	32	6.313	2	5.80			0.36	6.16	12.32	77.78	
120	G	32	6.313	3	2.75			0.36	3.11	9.33	58.90	
121	G	16	1.578	6	17.00			0.36	17.36	104.88	164.36	
122	G	32	6.313	2	17.00			0.36	17.36	34.72	218.19	
123	G	12	0.888	76	1.14	1.14	0.34	0.36	0.2	3.18	244.68	214.61
124	G	12	0.888	228	0.36			0.36	0.72	144.16	145.77	
total int											1600.80	kg
Barridos												
100	G	16	1.578	132	11.50			0.30	11.70	1427.4	2252.44	
101	C	16	1.578	132	11.50			0.30	11.42	1411.64	2217.04	
102	L	16	1.578	60	17.00			0.30	17.00	1020	1609.56	
103	L	10	0.617	42	17.00			0.30	17.00	714	448.54	
104	L	10	0.617	86	11.50			0.30	11.50	989	610.21	
total											7149.25	kg
Barridos												
105	L	12	0.888	4	1.10			0.30	1.20	4.8	4.26	
106	G	10	0.617	30	0.16	0.16	0.16	0.30	0.76	22.6	4.69	
total peso											8.95	kg
total											307.47	Por 12 barridos
Barridos												
107	C	12	1.131	8	17.00			0.1	17.20	137.6	155.63	
108	Z	12	1.131	133	0.50	0.25	0.35	0.72	1.82	205.65	232.60	
total peso											388.23	kg
total											776.83	Por 9 secciones

ESPECIFICACIONES TECNICAS

- Normas de diseño: AASHTO 2002
- Carga Viva de diseño:
Camión HS-MOP, HS-25, HS20-44 o Carga Equivalente.
- Hormigón Estructural:
Superestructura $f_c=280$ kg/cm².
Infraestructura $f_c=280$ kg/cm².
Replanteo $f_c=180$ kg/cm².
- Acero de Refuerzo: Sera corrugado, durez a natural $f_y=4200$ kg/cm²



Sellos:

UNIVERSIDAD NACIONAL DE CHIMBORAZO

PROYECTO: **DISEÑO DEL PUENTE SOBRE LA QUEBRADA DE PUCTUS**

SECTOR: CHIMBORAZO
RIOBAMBA
YARQUIQUES - PEDREGAL

REALIZÓ: RICHAR CHELA
PEDRO GUAMÁN

CONTIENE: DISEÑO DE VIGAS
DISEÑO DIAFRAGMA
CORTES VIGA
PLANILLA DE HIERROS

REVISÓ: Ing. Oscar Paredes
tutor

ESCALA: INDICADAS

FECHA: JUNIO - 2016

LAMINA: **3/5**