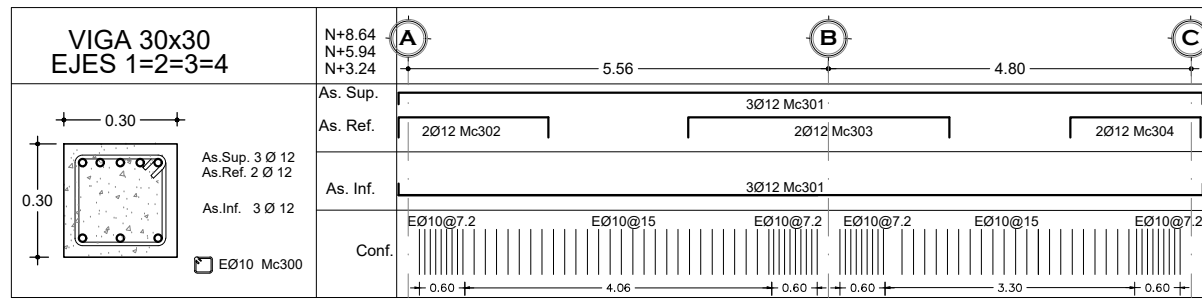
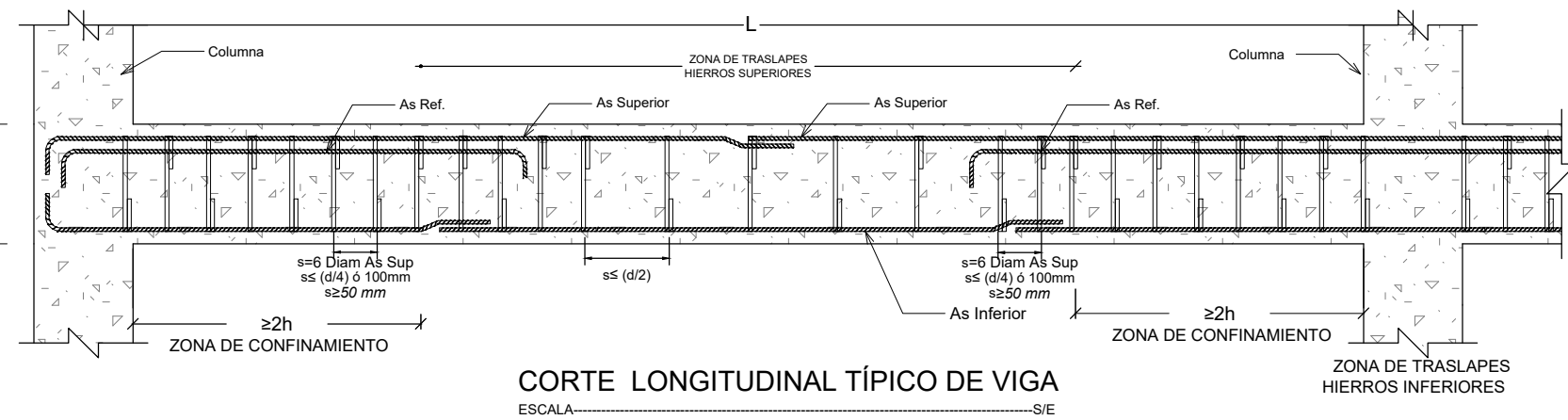
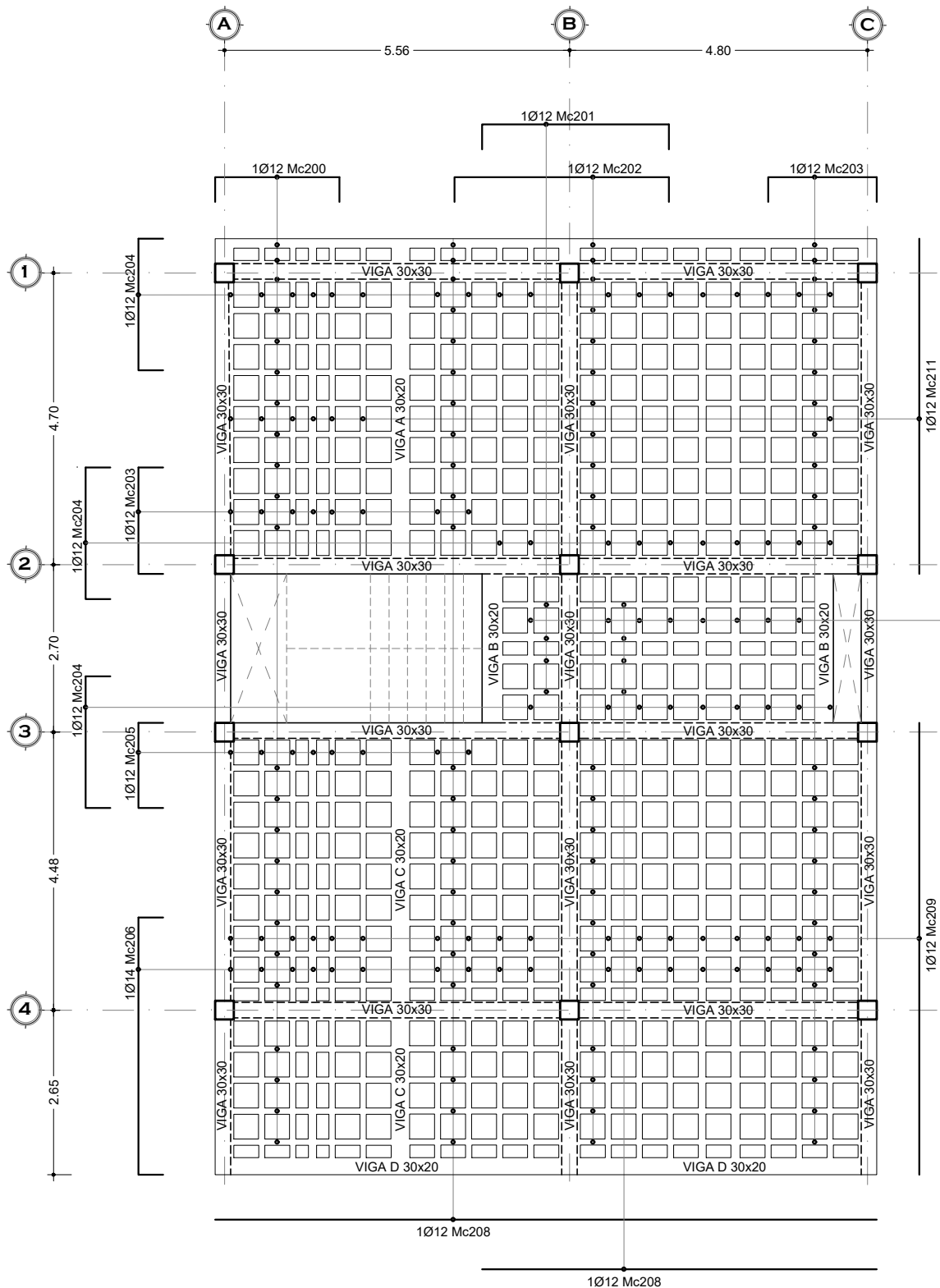
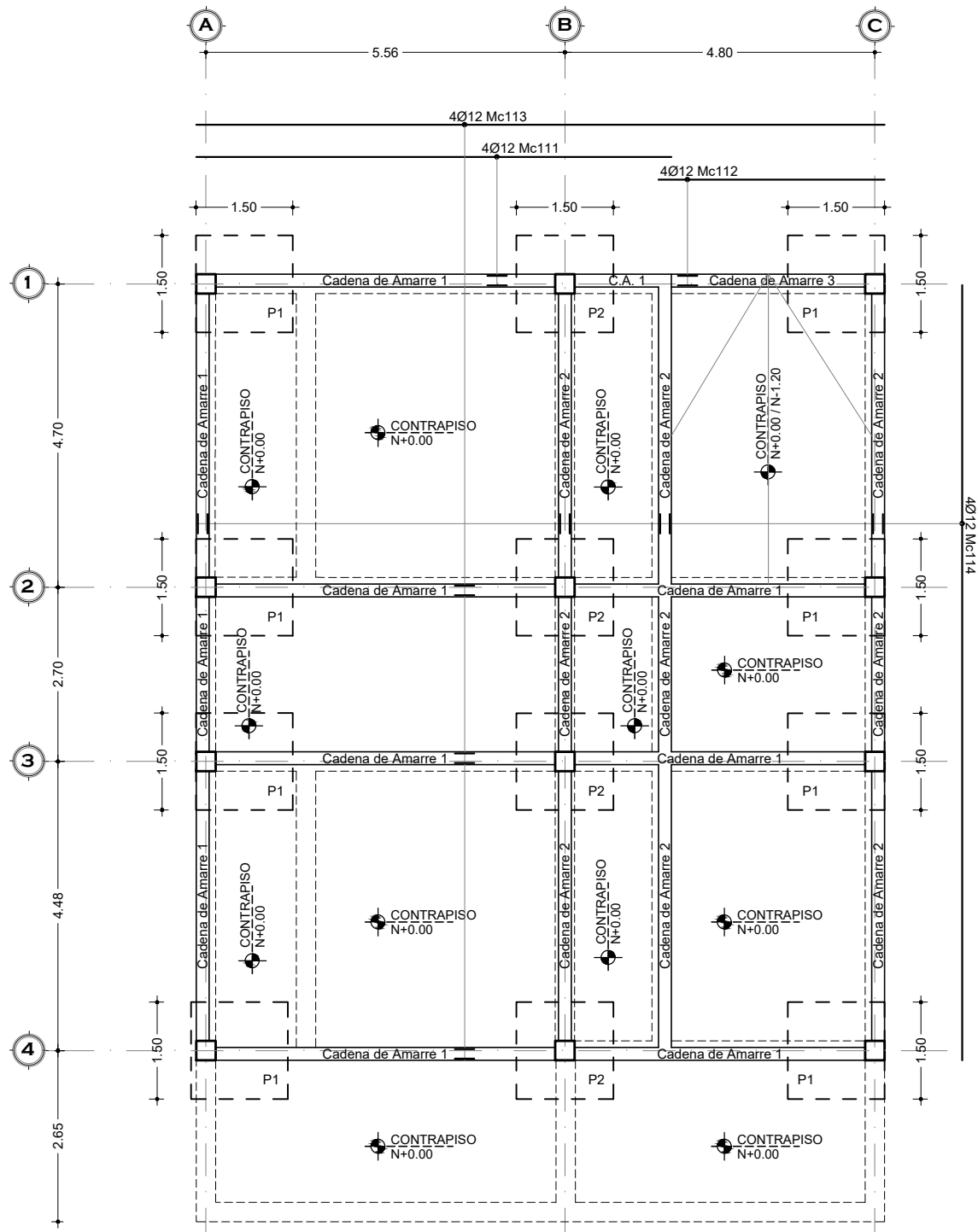
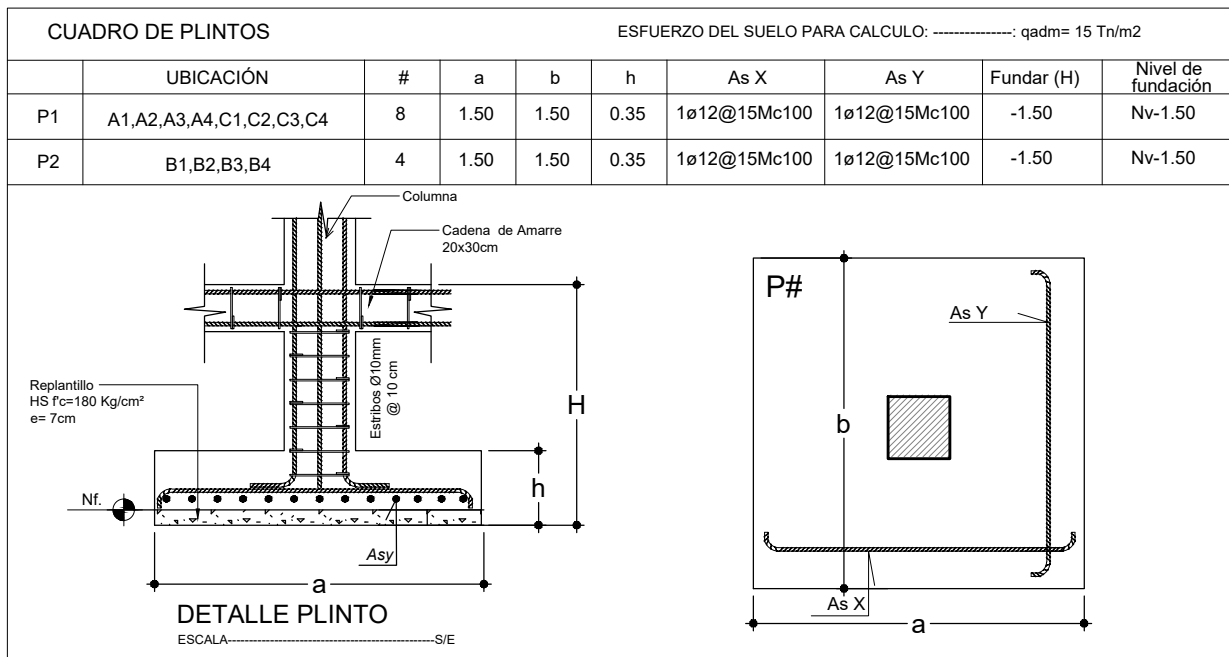


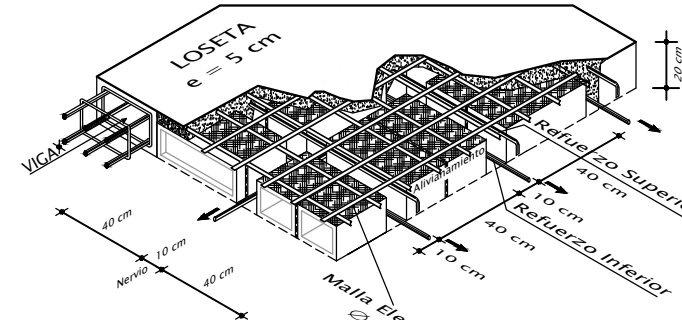
CIMENTACIÓN Nf -1.50

ESCALA-----1:100



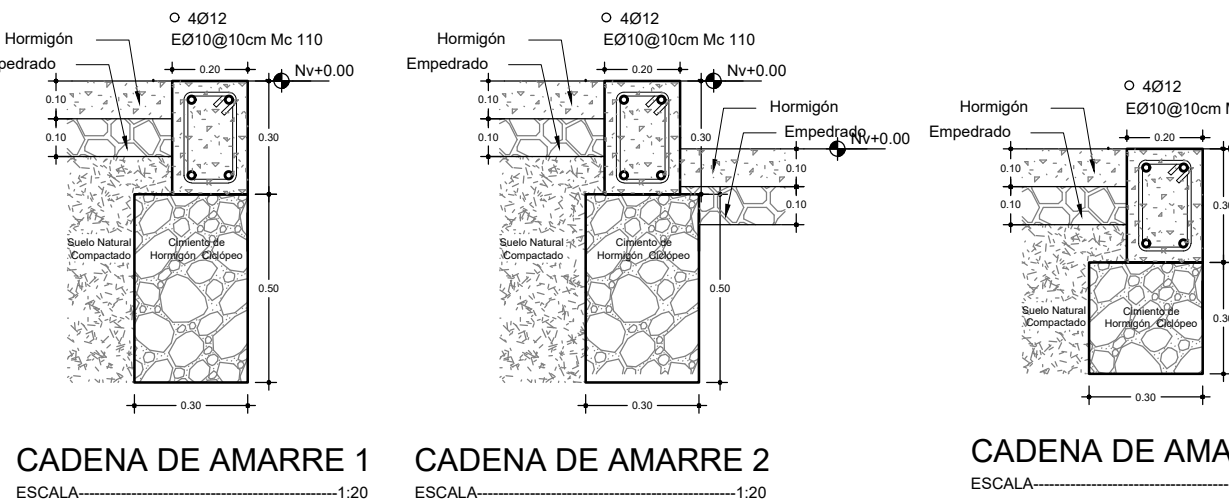
LOSA N+3.24 = N+5.94 = N+8.64

ESCALA-----1:100



DETALLE DE LOSA

ESCALA-----1:50



CADENA DE AMARRE 1

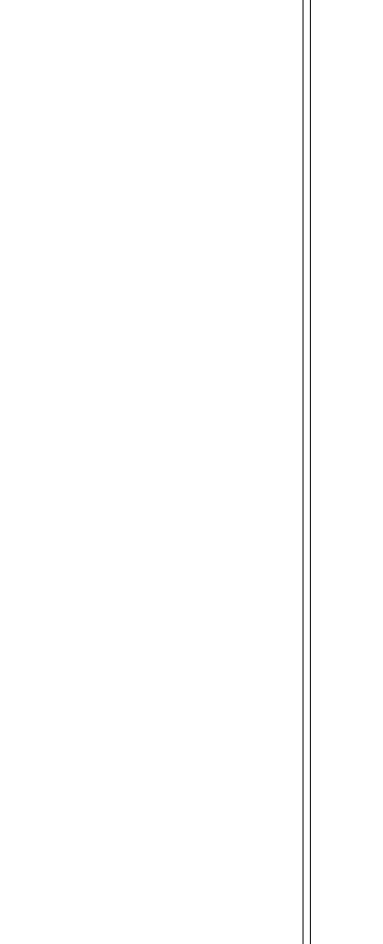
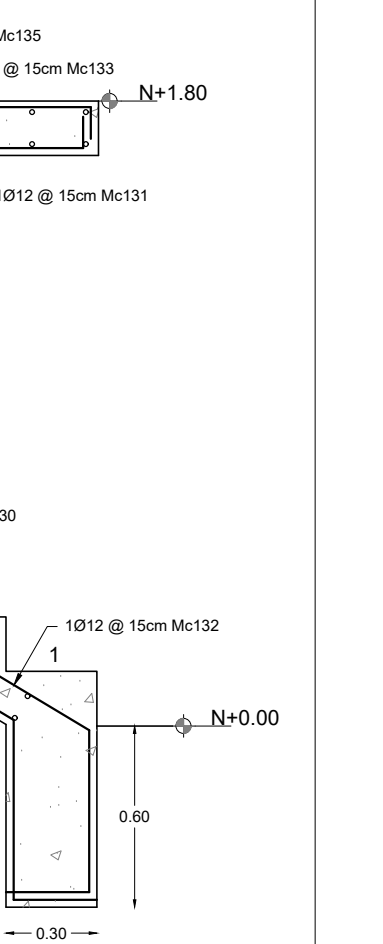
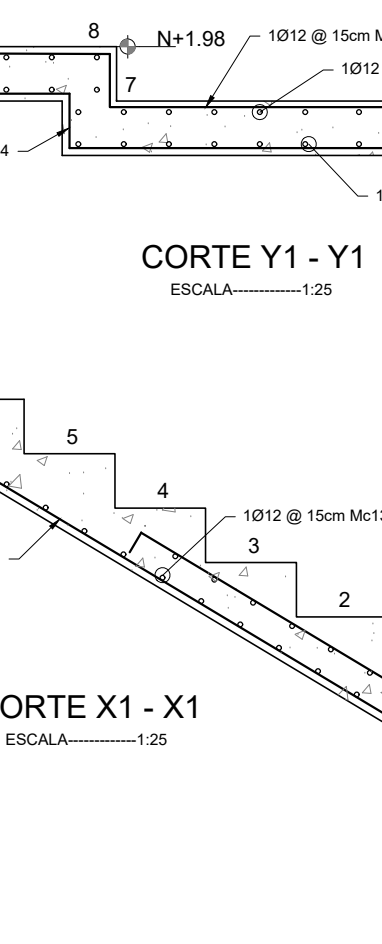
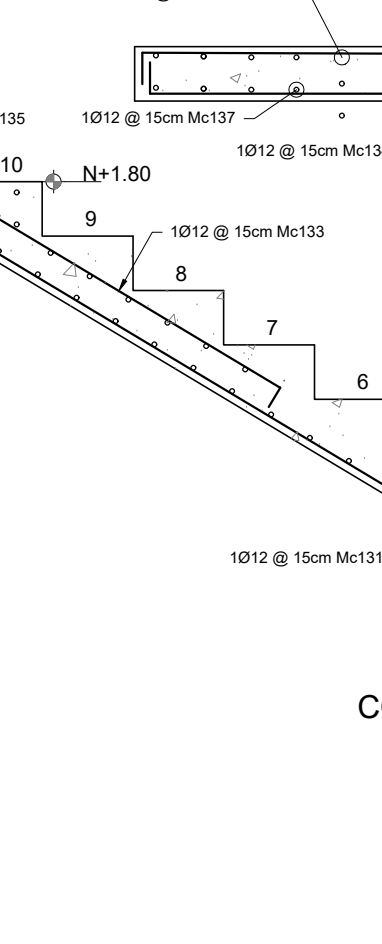
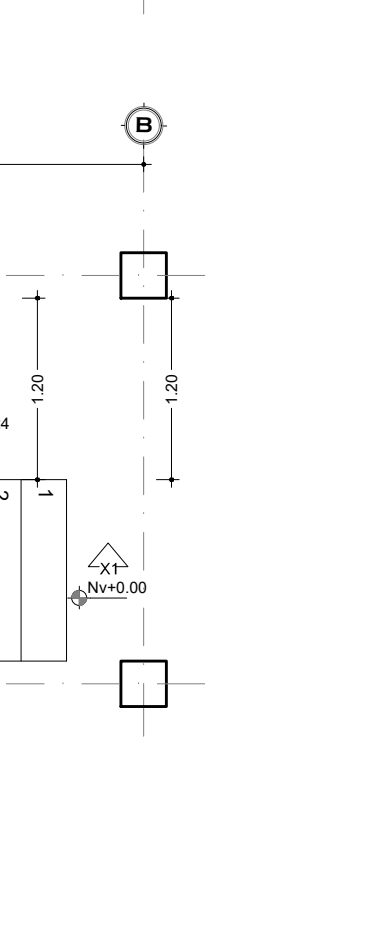
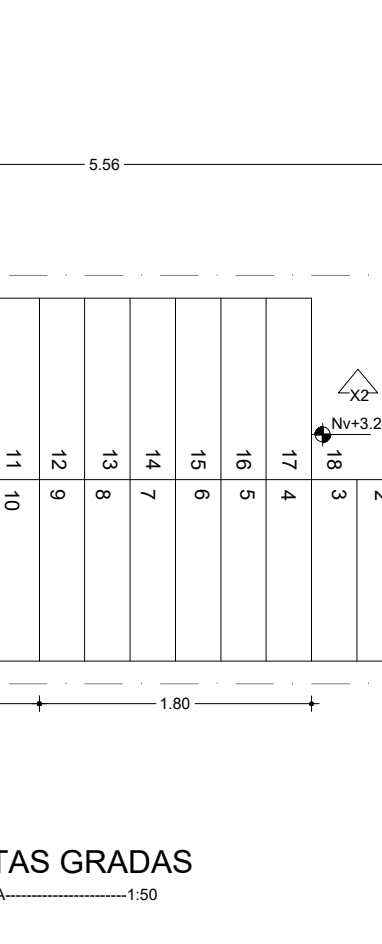
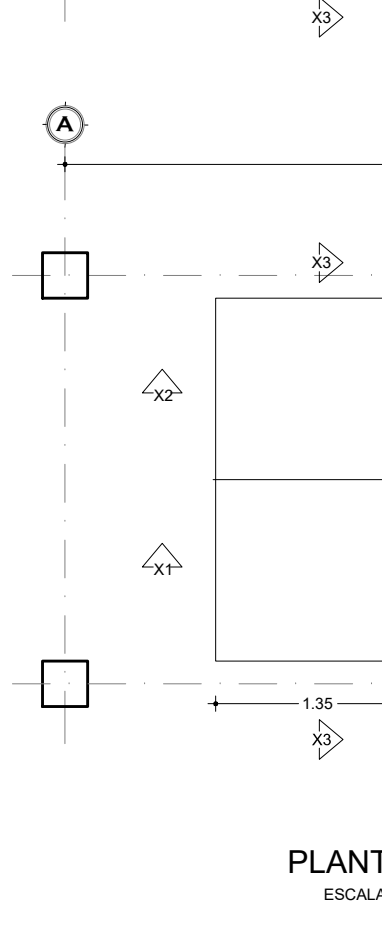
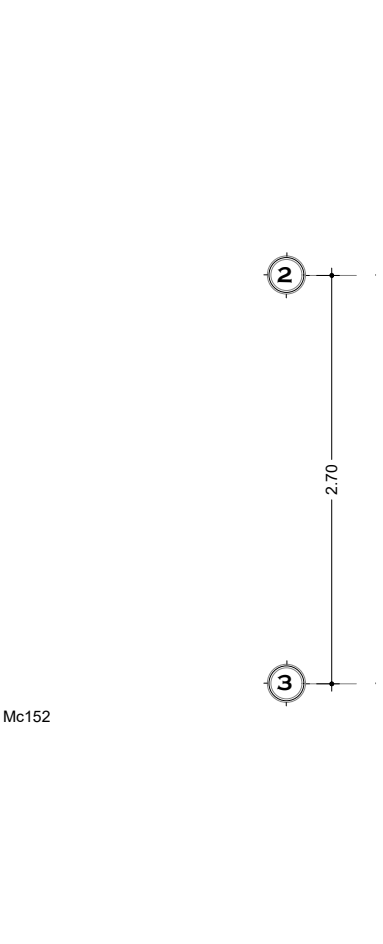
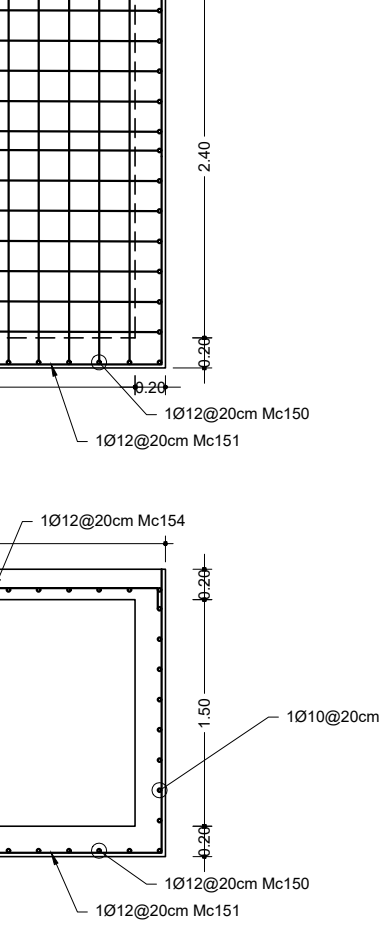
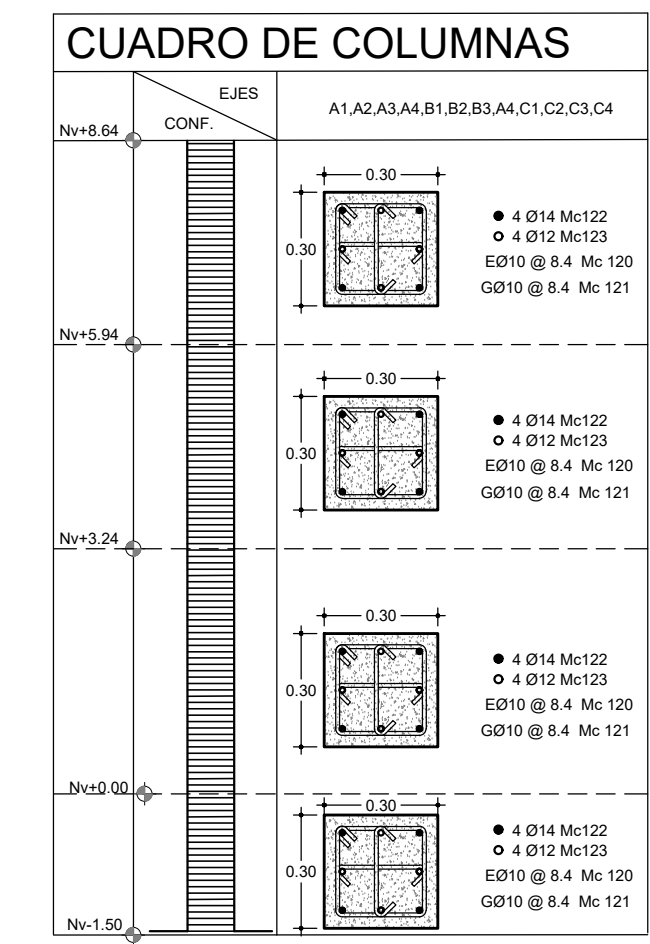
ESCALA-----1:20

CADENA DE AMARRE 2

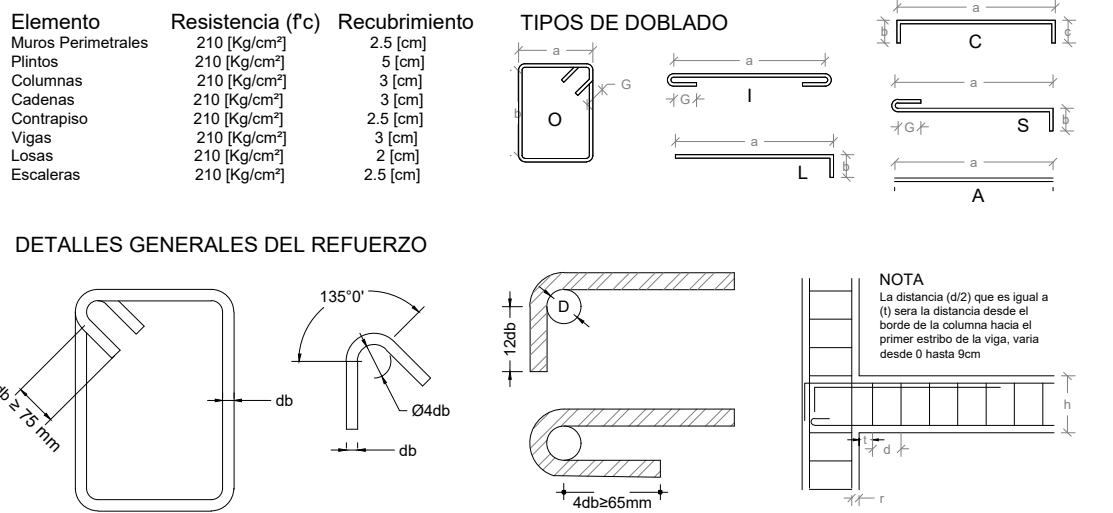
ESCALA-----1:20

CADENA DE AMARRE 3

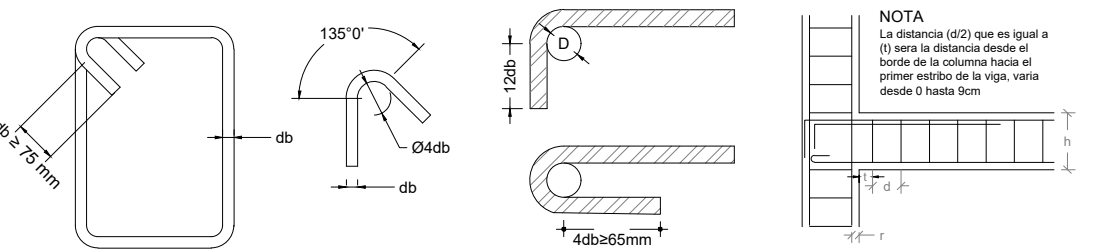
ESCALA-----1:20



PLANILLA DE ACERO DE REFUERZO													
MC	TIPO	φ	NUMERO	DIMENSIONES (m)					LONGITUDES(m)		PESO(kg)	ACERO COMERCIAL	
				a	b	c	d	G	Desarrollo	Total			
PLINTOS													
100	I	12	216	1.40				0.05	1.50	324.00	287.71	405	
CADENAS DE AMARRE													
110	O	10	610	0.15	0.25			0.075	0.95	579.50	367.55	48	
111	I	12	4	7.35					7.35	29.40	26.11	2	
112	I	12	4	3.50					3.50	14.00	12.43	1	
113	I	12	12	10.65					10.65	127.80	113.49	11	
114	I	12	16	12.00					12.00	192.00	170.50	16	
COLUMNAS													
120	O	10	1500	0.25	0.25			0.075	1.15	1725.00	1064.33	144	
121	G	10	1500	0.25				0.075	0.40	600.00	370.20	50	
122	L	14	48	10.50	0.50			0.075	22.15	1063.20	1284.35	89	
123	L	12	48	10.50	0.50			0.075	10.65	511.20	453.95	43	
GRADAS													
130	L	I	128	1.15					1.15	147.20	147.20	12	
131	Z	12	8	0.60	3.15	1.15		0.150	5.20	41.60	36.94	3	
132	V	12	8	0.60	1.25			0.150	2.15	17.20	15.27	1	
133	V	12	8	1.00	1.30			0.150	2.60	20.80	18.47	2	
134	Z	12	24	1.00	0.18	1.35		0.150	2.83	67.92	60.31	6	
135	Z	12	24	1.20	0.18	1.15		0.150	2.83	67.92	60.31	6	
136	M	12	16	1.35	0.75			0.150	2.40	38.40		3	
137	Z	12	16	1.35	2.45			0.150	4.10	65.60		5	
138	V	12	16	1.05	0.6			0.150	1.85	31.20		3	
139	Z	12	16	0.60	2.5			0.150	3.40	54.40		5	
140	V	12	16	0.60	0.75	1		0.150					
141	V	12	16	1.05	1			0.150					
LOSAS													
200	C	12	66	2.50				0.15	2.30	151.80	134.80	13	
201	C	12	66	3.00				0.15	3.30	217.80	193.41	18	
202	C	12	12	3.45				0.15	3.75	45.00	39.96	4	
203	C	12	102	1.75				0.15	2.05	209.10	185.68	17	
204	C	12	111	2.15				0.15	2.45	271.95	241.49	23	
205	C	12	24	1.40				0.15	1.70	48.60	38.23	3	
206	C	14	54	4.15				0.15	4.45	240.30	230.27	20	
207	I	12	66	10.65				0.15	10.65	722.70	641.76	60	
208	I	12	12	6.35				0.15	6.35	76.20	67.67	6	
209	I	12	54	7.30				0.15	7.30	394.20	350.05	33	
210	I	12	24	8.10				0.15	8.10	194.40	172.63	16	
211	I	12	21	5.40				0.15	5.40	113.40	100.70	9	
VIGAS													
300	O	10	2280	0.25	0.25			0.075	1.15	2622.00	1617.77	219	
301	C	12	90	10.65				0.15	10.95	965.50	875.12	82	
302	C	12	24	2.00				0.15	2.30	55.20	49.02	5	
303	C	12	24	3.45				0.15	3.75	90.00	79.92	8	
304	C	12	24	1.75				0.15	2.05	49.20	43.69	4	
305	O	10	549	0.25	0.15			0.075	0.95	521.55	321.80	43	
306	C	12	27	10.50				0.15	10.80	291.60	298.94	24	
307	C	12	27	5.30				0.15	5.60	151.20	134.27	13	
308	C	12	27	6.90				0.15	7.20	194.40	172.63	16	
309	C	12	27	8.70				0.15	9.00	243.00	215.78	20	
310	C	12	18	7.20				0.15	7.50	135.00	118.88	11	
311	C	12	18	4.90				0.15	5.20	93.60	83.12	8	
312	C	12	18	2.90				0.15	3.20	57.60	51.15	5	
RESUMEN DE MATERIALES													
ELEMENTO		HORMIGON		ACERO COMERCIAL									
		210kg/cm2		Long (m)		8		10		12		14	
		Varillas		0		504		910		109		0	
		Peso (Kg)		0		3732		5803		1575		0	
		Cimentos		0		0		0		0		0	
		Cadenas de amarre		5.49		0		0		0		0	
		Columnas		11.34		0		0		0		0	
		Losas y Vigas		16.88		0		0		0		0	
		Gradas		2.40		0		0		0		0	
TOTAL		45.56		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	



DETALLES GENERALES DEL REFUERZO



JEVILLACIS

CONSULTORIA - CONSTRUCCIONES

OFICINA: CALLE CASTELLO 07-11 Y J.B. VELA, EDIFICIO DURAN, OFICINA 301, AMBATO - ECUADOR

TELÉFONO: 0984620678 - CORREO ELECTRÓNICO: JEVILLACISCONSULTORIA@GMAIL.COM

CIMENTACIÓN CADENAS DE AMARRE COLUMNAS LOSAS Y VIGAS		PROYECTO: EDIFICIO VITERI RUIZ CLAVE CATASTRAL: 1808022103903000000P00	
DIRECCIÓN: CALLE FLORES Y TAMAYO PILLARO SECTOR: SAN JUAN			
FECHA: MARZO DEL 2024	PROPIETARIO:	CALCULO:	
LOCAL: INDICADAS			
OBJETO: JEVILLACIS			
OPINIÓN: E 1/1			
DRA. DIANA DOLORES VITERI RUIZ CI: 172164607-2		ING. JUAN E. VILLACIS FERNANDEZ RM: 459 CI: 180282831-5 SENECTY: 1010-04-697322	