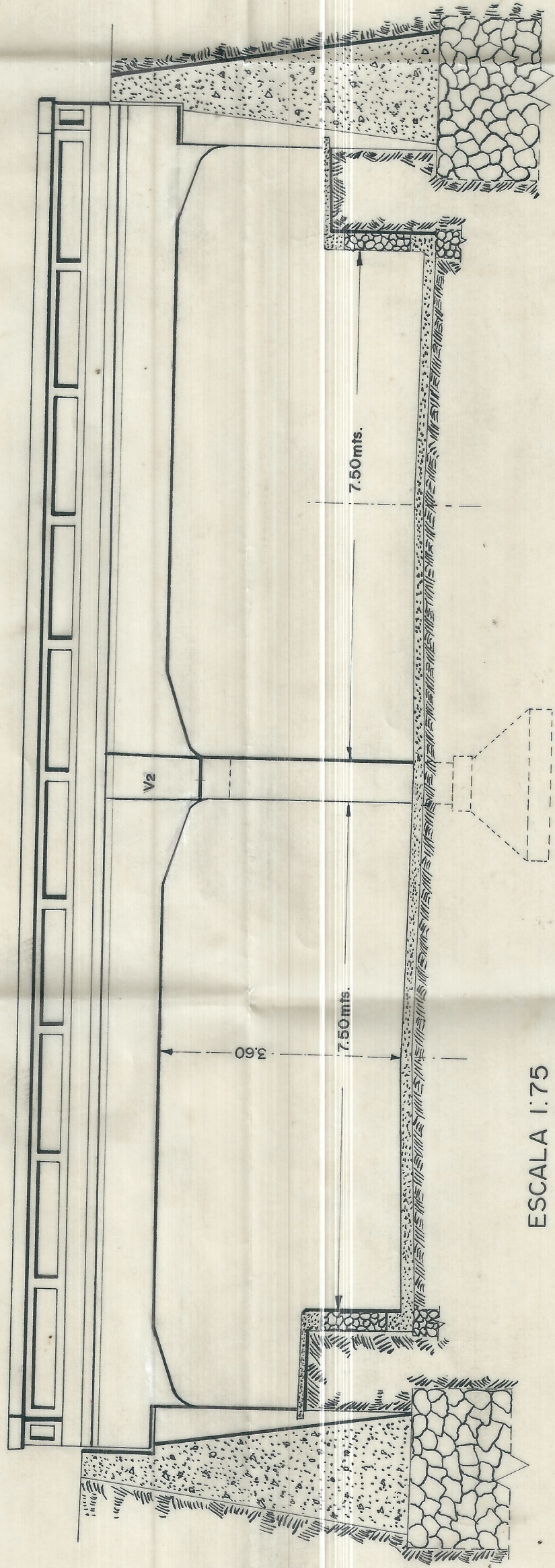


ELEVACION
VISTA DE FRENTE



PASO INFERIOR DE TULUA

Cantidad de hierro ;

Ø	1-1/4"	829.52	Kgs.
Ø	1"	10.772.88	"
Ø	7/8"	2.075.82	"
Ø	3/4"	201.15	"
Ø	5/8"	146.20	"
Ø	1/2"	8.344.80	"
Ø	1/4"	255.36	"
		22.625.73	Kgs.
Pérdidas por empalmes y cortes 15 % =		3.393.77	"
		26.019.50	Kgs.

22.625.73 Kgs. ÷ 165.369 m³ = 136.82 Kgs./m³

CANTIDADES DE MATERIALES

Concreto de 160 Kgs./Cms²

Volumen Ferrocemento = 165.369 m³

MARCA	Ø	CANTIDAD N	LONGITUD L	L x N Mts.	SUMA Mts.	PESO Kgs.
LOSA						
a	1/2"	220	3.11	684.20		
b	"	220	4.10	902.00		
c	"	79	3.42	270.18		
d	"	40	3.42	136.80		
e	"	158	3.40	537.20		
f	"	40	7.38	295.20		
g	"	40	7.38	295.20		
h	"	119	6.90	821.10		
i	"	297	1.70	504.90		
j	1/4"	44	20.76	913.44	4.446.78	4.446.78

Viga V2						
1	1-1/4"	2	8.52	17.04		
2	"	2	8.52	17.04		
3	"	2	8.52	17.04		
4	"	2	7.96	15.92		
5	"	6	10.36	62.16		
6	7/8"	1	10.36	10.36	129.20	802.20
7	"	4	5.20	20.80	31.16	94.82
8	1-1/4"	1	4.40	4.40	4.40	27.32
9	1/2"	2	10.16	20.32		
10	"	20	5.18	103.60		
11	"	14	4.78	66.92	190.84	190.84

Viga V1						
11	1"	28	13.26	371.28		
12	"	28	13.26	371.28		
13	"	28	12.91	361.48		
14	"	84	11.00	924.00	2.028.04	8.059.43
15	7/8"	42	11.00	462.00	462.00	1.405.87
16	1"	42	5.60	235.20		
17	1/2"	42	5.60	235.20	470.40	1.869.37
18	7/8"	28	10.80	302.40	302.40	302.40
19	5/8"	21	9.00	189.00	189.00	576.13
20	1/2"	616	3.89	2.396.24	63.00	97.78
21	"	84	4.26	357.84	2.754.08	2.754.08

Columnas y Zapatas

20	1"	12	6.05	72.60	72.60	288.51
21	3/4"	4	6.05	24.20	24.20	54.09
22	1/2"	3	4.10	12.30		
23	"	5	3.00	15.00		
24	"	15	4.10	61.50	88.80	88.80
25	5/8"	12	2.60	31.20	31.20	48.42
26	1/2"	5	2.60	13.00	13.00	13.00
27	1"	12	5.05	60.60		
28	1"	16	4.95	79.20	139.80	555.57
29	3/4"	28	2.35	65.80	65.80	147.06
30	1/2"	8	1.80	14.40		
31	"	28	2.65	74.20	88.60	88.60

Nervios N

32	1/2"	10	9.96	99.60	99.60	99.60
33	1/4"	36	3.00	108.00	108.00	27.00
Barandal						
34	1/2"	130	1.75	227.50	360.70	360.70
35	"	12	7.00	84.00		
36	"	6	8.20	49.20		
Suma total en Kilogramos					22.625.73	