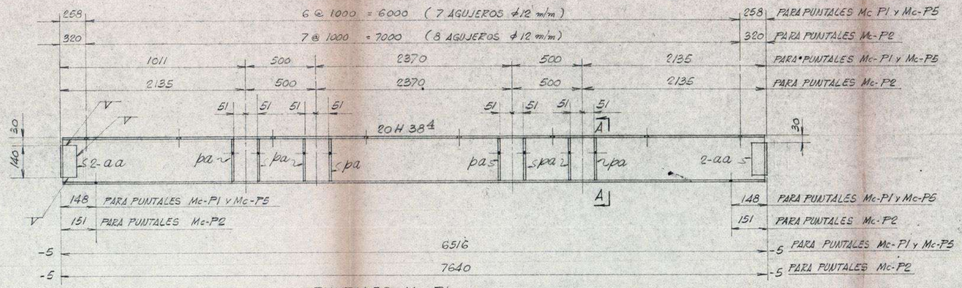
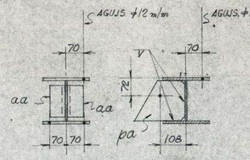
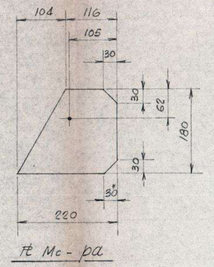


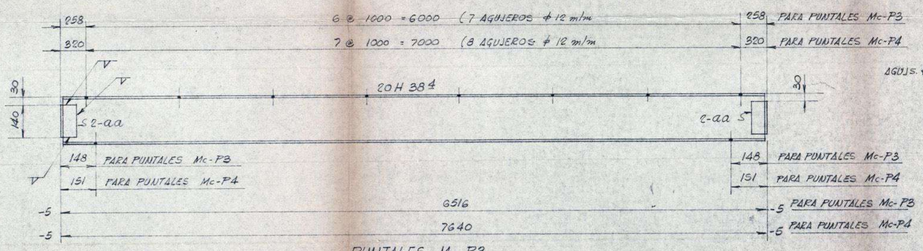
PUNTALES Mc-P1 (COMO SE MUESTRA)
PUNTALES Mc-P2 (COMO SE MUESTRA)
PUNTALES Mc-P5 (OPUESTO A Mc-P1)



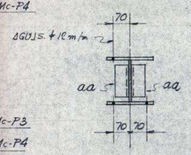
SECCION A-A

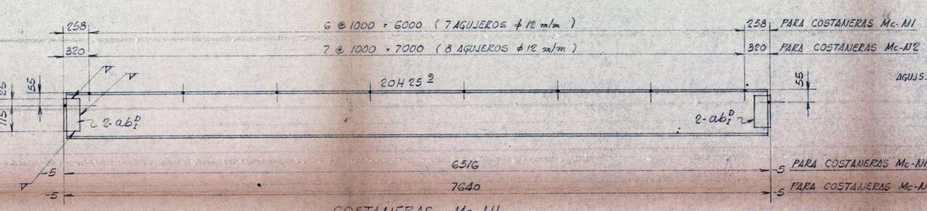


Fé Mc - pa

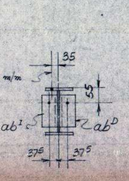


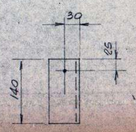
PUNTALES Mc-P3
PUNTALES Mc-P4



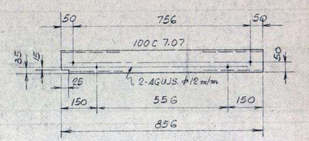


COSTANERAS Mc-N1
COSTANERAS Mc-N2

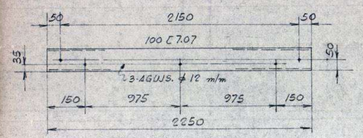




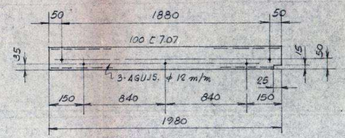
L Mc - ab1 (COMO SE MUESTRA)
L Mc - abD (OPUESTO)



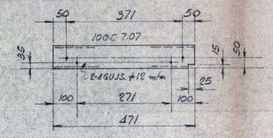
COSTANERAS Mc-L1 (COMO SE MUESTRA)
COSTANERAS Mc-L5 (OPUESTA)



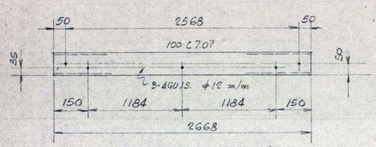
COSTANERAS Mc L2



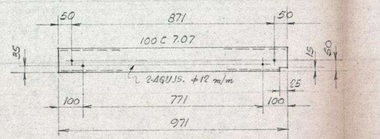
COSTANERAS Mc-L3 (COMO SE MUESTRA)
COSTANERAS Mc-L4 (OPUESTA)



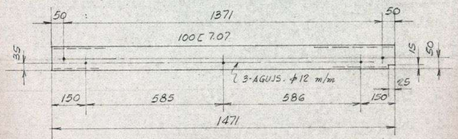
COSTANERAS Mc-L6 (COMO SE MUESTRA)
COSTANERAS Mc-L9 (OPUESTA)



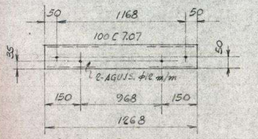
COSTANERAS Mc-L14



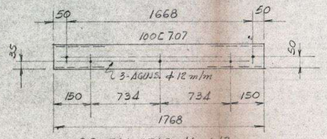
COSTANERAS Mc-L7 (COMO SE MUESTRA)
COSTANERAS Mc-L10 (OPUESTA)



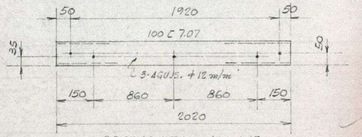
COSTANERAS Mc-L8 (COMO SE MUESTRA)
COSTANERAS Mc-L11 (OPUESTA)



COSTANERAS Mc-L12



COSTANERAS Mc-L13



COSTANERAS Mc-L15

LISTA DE MATERIALES

ITEM	CANTIDAD TOTAL	CANTIDAD PLANO	CANTIDAD PERFIL	MATERIAL DIMENSIONES	LARGO	MARCA	OBSERVACIONES	PESO	ORDENADO LONGITUD	ORDENADO ITEM
1	2			PUNTALES		P1				
2	2			"		P5				
3		4		20 H 38 ϕ	6510					
4	80	32	Fé	180 6	220	pa				
5	76	16	L	65 65 6	140	aa				
6										
7	6			PUNTALES		P2				
8		6		20 H 38 ϕ	7630					
9		48	Fé			pa				
10		24	L			aa				
11										
12	6			PUNTALES		P3				
13		6		20 H 38 ϕ	6510					
14		24	L			aa				
15										
16	3			PUNTALES		P4				
17		3		20 H 38 ϕ	7630					
18		12	L			aa				
19										
20	16			COSTANERAS		N1				
21		16		20 H 25 ϕ	6510					
22	184	64	L	65 65 6	140	ab^1_2	92 - ab^2 y 92 - ab^4			
23										
24	30			COSTANERAS		N2				
25		30		20 H 25 ϕ	7630					
26		120	L			ab^3_4				
27										
28	6			COSTANERAS		L1				
29	6			"		L5	OPUESTA A L1			
30		12		100 C 7.07	856					
31										
32	48			COSTANERAS		L2				
33		48		100 C 7.07	2250					
34										
35	24			COSTANERAS		L3				
36	24			"		L4	OPUESTA A L3			
37		48		100 C 7.07	1980					
38										
39	2			COSTANERAS		L6				
40	2					L9	OPUESTA A L6			
41		4		100 C 7.07	471					
42										
43	2			COSTANERAS		L7				
44	2					L10	OPUESTA A L7			
45		4		100 C 7.07	971					
46										
47	2			COSTANERAS		L8				
48	2					L11	OPUESTA A L8			
49		4		100 C 7.07	1471					
50										
51	4			COSTANERAS		L12				
52		4		100 C 7.07	1268					
53										
54	4			COSTANERAS		L13				
55		4		100 C 7.07	1768					
56										
57	4			COSTANERAS		L14				
58		4		100 C 7.07	2668					
59										
60	12			COSTANERAS		L15				
61		12		100 C 7.07	2020					
62										
63	500			PERNOS 4" ϕ 3/4" CON TUERCA			PARA MADERA (MACHIMBRE)			
64	400			PERNOS 3 1/2" ϕ 3/4" CON TUERCA			" " (LATERALES)			
65										
66										
67										
68										
69										
70										

OBSERVACIONES	
1	MATERIAL: ACERO A 37-24 E.S.
2	USAR PERFILES SOLDADOS EQUITERM
3	FILETE DE SOLDADURA 5 m/m
4	AGUJEROS ϕ 14 m/m S. I. C.

ARQUITECTOS EMILIO DUHART ROBERTO GOYCOOLEA	U. DE CONCEPCION
INGENIEROS CIVILES SERGIO VILLAFAÑE R MARIO OLAVARRIA ALVARO PUGAR	BIBLIOTECA CENTRAL
DIBUJANTE GENARO MUÑOZ	PUNTALES Y COSTANERAS - DETALLES
	PLANO Nº 250 - 1 P 10 — EMISION 0
	MARZO 1968 ESC.

BIBLIOTECAS UdeC