

CARACTERÍSTICAS MECANICAS DE LOS CABLES DE PRETENSADO

EL PRETENSADO SE EFECTUARA MEDIANTE CORONES ENVAÑADOS. LOS CORONES SON DEL TIPO Y1860 S7 (0.6'') DE ACUERDO CON LA NORMA UNE 36-094-97

LES CARACTERISTIQUES MECANQUES MINIMAS DE LOS CORONS SONT:

- RESISTENCIA NOMINAL A LA TRACCION 1.860 MPa
- VALOR CARACTERISTICO INTERIOR DE LA TENSION 1.635 MPa
- VALOR CARACTERISTICO PARA UNA DEFORMACION REMANENTE DEL 0.2% 1.4 cm²
- AREA DE UN CORON 1.4 cm²
- RELAJACION A 1000 HORAS PARA UNA TENSION DEL 70% DE LA TENSION DE ROTURA 2.0%
- COEFICIENTE DE DESVIACION PARASITA 8-0.57/m

DISPOSICION DE CABLES

- LOS CORONES ESTARAN ALOJADOS EN TUBOS DE POLIPROPILENO ENGRASADOS

TESADO DE CABLES

- LA FUERZA DE TESADO DE LOS CORONES SERA DE 210 KN
- CUANDO EL HORMIGON DE LA LOSA HAYA ALCANZADO LA RESISTENCIA DE 33 N/mm² SE PROCEDERA AL TESADO DE AMBOS LADOS DEL CORON.
- CON EL SIGUIENTE ORDEN: C1, C3, C5, C159 Y C2, C4, C6, C158

CARACTERISTIQUES MECANQUES DES CABLES DU PRECONTRAINT

LE PRECONTRAINT SE FERA AVEC DES CORONS ENGRES. LES CORONS SERONT DU TYPE Y 1860 S7 (0.6''), SUIVANT LA NORME UNE 36-094-97.

LES CARACTERISTIQUES MECANQUES MINIMALES DES CORONS DU PRECONTRAINT SERONT:

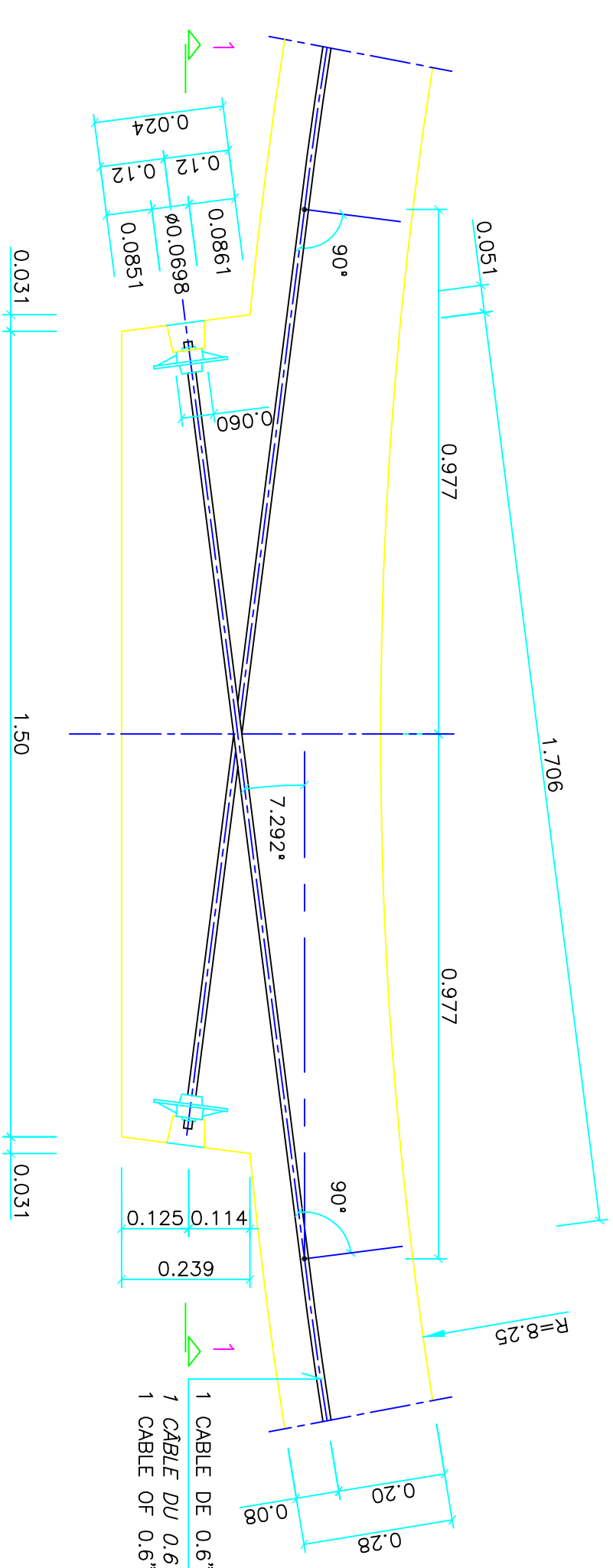
- RESISTANCE NOMINALE DE TRACTION: 1.860 MPa
- VALEUR CARACTERISTIQUE INTERIEURE DE LA TENSION CORRESPONDANTE AU LIMITE ELASTIQUE POUR UNE DEFORMATION 1.635 MPa
- SECTION D'UN CORON 1.4 cm²
- RELAXATION A 1000 HEURES AVEC UNE TENSION DU 70% DE LA TENSION DE RUPTURE 2.0%
- COEFFICIENT DE FROTTEMENT 8-0.06
- COEFFICIENT DE DEVIATION PARASITE 8-0.57/m

DISPOSITION DES CABLES

- LES CORONS SERONT LOGES DANS DES GAINES DE POLYPROPYLENE ENGRASSEES

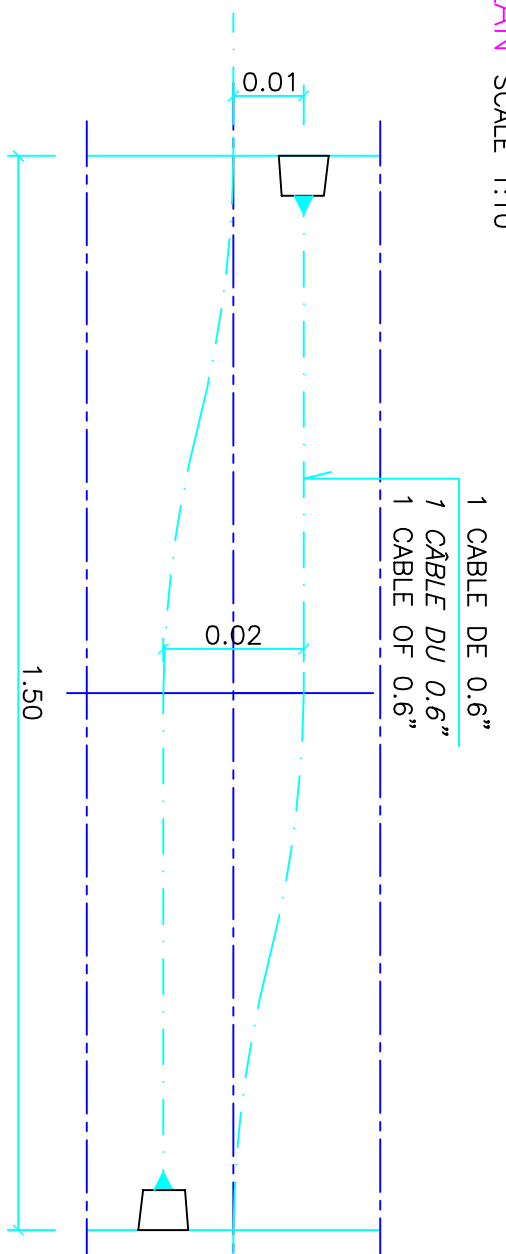
TENSION DES CABLES

- LA FORCE DE TENSION DES CORONS SERA DE 210 KN
- QUAND LA RESISTANCE DE 33 N/mm² SE TENDRONT LES CORONS DES DEUX COTES, SELON L'ORDRE SUIVANT: C1, C3, C5, C159 ET C2, C4, C6, C158



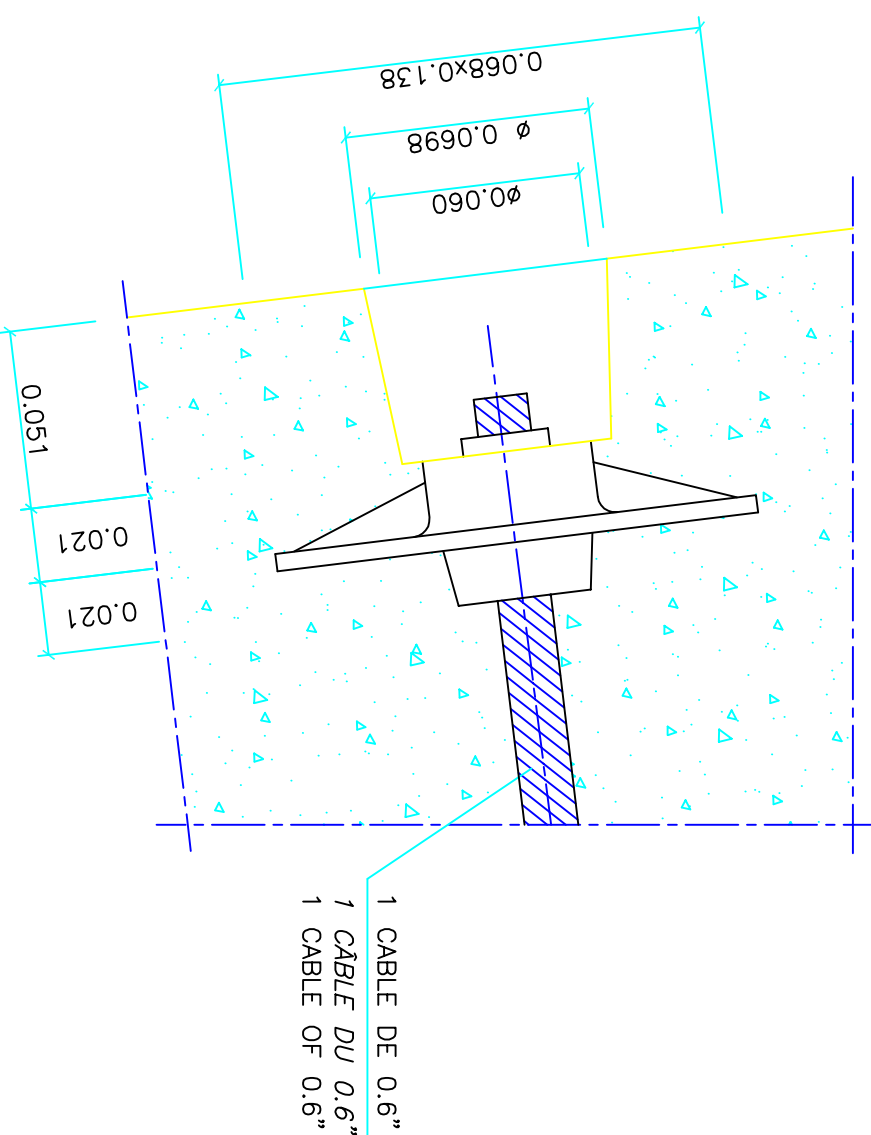
PLANTA ESCALA 1:10
VUE EN PLAN ECHELLE 1:10
GROUND PLAN SCALE 1:10

L. cable= 54.38m
ΔL tot=360 mm



SECCION 1-1. (ALZADO)
COUPE 1-1. (ELEVATION)
SECTION 1-1. (ELEVATION)
SCALE H 1:10, V 1:1

DETALLE-1
DETAIL-1



DETALLE DE CALETIN EN PLANTA
DETAIL DU CASSETIN VUE EN PLAN
DETAIL OF POCKET FOR ANCHORAGE-GROUND PLAN
SCALE 1:2

MECHANICAL PROPERTIES OF THE PRESTRESSING CABLES

THE PRESTRESSING WILL BE REAUSED BY STRANDS IN GREASED DUCTS. THE STRANDS ARE OF THE TYPE Y 1860 S7 (0.6''), ACCORDING TO THE INSTRUCTION UNE 36-094-97

THE MINIMAL MECHANICAL PROPERTIES OF THE STRANDS ARE:

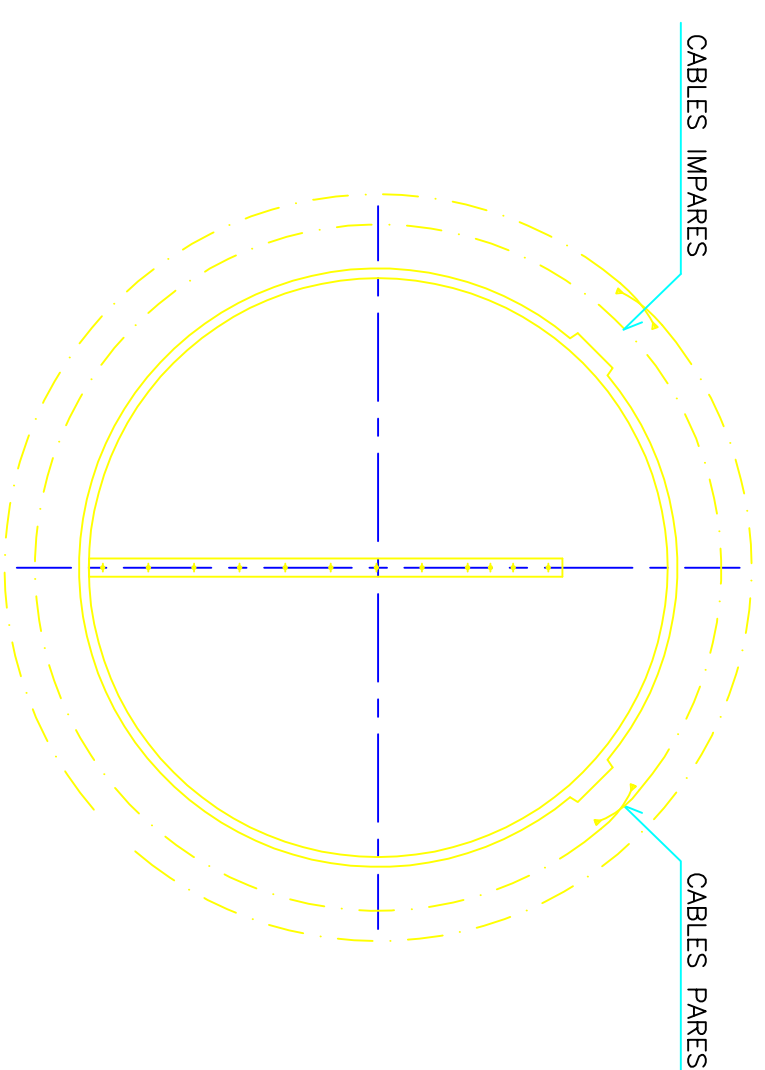
- NOMINAL TENSION RESISTANCE 1.860 MPa
- CHARACTERISTIC INTERIOR VALUE OF THE TENSION, CORRELATED TO THE ELASTIC LIMIT FOR A REMANENT DEFORMATION 1.635 MPa
- AREA OF A STRAND 1.4 cm²
- RELAXATION AT 1000 HOURS UNDER A TENSION OF 70% OF THE ULTIMATE TENSION 2.0%
- FRICTION COEFFICIENT 8-0.06
- PARASITE DEVIATION COEFFICIENT 8-0.57/m

DISPOSITION OF THE CABLES

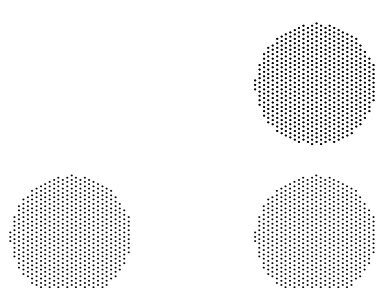
- THE STRANDS WILL BE PUT IN TUBES OF GREASED POLYPROPYLENE

TENSIONING OF THE CABLES

- THE FORCE OF TENSIONING OF THE STRANDS WILL BE OF 210 KN
- WHEN THE RESISTANCE OF THE CONCRETE WILL HAVE REACHED 33 N/mm², THE STRANDS WILL BE TENSIONED BY THE TWO SIDES OF THE STRANDS, FOLLOWING THE SEQUENCE: C1, C3, C5, C159 AND C2, C4, C6, C158



PLANTA ESCALA 1:200
VUE EN PLAN ECHELLE 1:200
GROUND PLAN SCALE 1:200



5	Rosa	E.Rechina	13-12-2002	SELLO	Petersen
4	Rafael	J.L. Balboa	25-06-2002	PLANTA PILOTO	Petersen
3	Rafael	J.L. Balboa	17-05-2002	REPLANTEO CABLE C42	Petersen
2	Rafael	J.L. Balboa	29-05-2002	ALARGAMIENTO CABLES	Petersen
1	Rafael	J.L. Balboa	09-05-2002		Petersen

VARIAS

DIGESTORES / DIGESTEURS / DIGESTERS
MURO EXTERIOR DIGESTOR, PRETENSADO (II)
PLAN DE CABLAGE PRECONTRAINT (II)
EXTERIOR WALL OF DIGESTER, PRESTRESSING CABLES (II)
0000 GC 000 0000 030 5

ALZADO
ELEVATION
UNROLLED
ESCALA 1:50
ECHELLE 1:50
SCALE 1:50

N° DE CABLE Nb DU CABLE N° OF CABLE	DISTANCIA DESDE NIVEL SUPERIOR DE LA LOSA DISTANCE AU NIVEAU SUPERIEUR DE LA DALLE DISTANCE TO SUPERIOR FACE OF SLAB	DISTANCIA ENTRE CABLES DISTANCE ENTRE CABLES DISTANCE BETWEEN CABLES
C159		
C158	0.042	0.085
C157	0.127	0.085
C156	0.212	0.085
C155	0.297	0.085
C154	0.382	0.085
C153	0.467	0.085
C152	0.552	0.085
C151	0.637	0.085
C150	0.722	0.085
C149	0.807	0.085
C148	0.892	0.085
C147	0.977	0.085
C146	1.062	0.085
C145	1.147	0.085
C144	1.232	0.085
C143	1.317	0.085
C142	1.402	0.085
C141	1.487	0.085
C140	1.572	0.085
C139	1.657	0.085
C138	1.741	0.085
C137	1.826	0.085
C136	1.911	0.085
C135	2.000	0.085
C134	2.085	0.085
C133	2.167	0.085
C132	2.252	0.085
C131	2.338	0.085
C130	2.425	0.085
C129	2.511	0.085
C128	2.598	0.085
C127	2.685	0.085
C126	2.773	0.085
C125	2.861	0.085
C124	2.949	0.085
C123	3.037	0.085
C122	3.126	0.085
C121	3.216	0.085
C120	3.305	0.085
C119	3.395	0.085
C118	3.485	0.085
C117	3.576	0.085
C116	3.667	0.085
C115	3.758	0.085
C114	3.850	0.085
C113	3.942	0.085
C112	4.034	0.085
C111	4.127	0.085
C110	4.220	0.085
C109	4.314	0.085
C108	4.408	0.085
C107	4.502	0.085
C106	4.597	0.085
C105	4.692	0.085
C104	4.788	0.085
C103	4.884	0.085
C102	4.980	0.085
C101	5.077	0.085
C100	5.175	0.085
C99	5.272	0.085
C98	5.371	0.085
C97	5.469	0.085
C96	5.568	0.085
C95	5.668	0.085
C94	5.768	0.085
C93	5.869	0.085
C92	5.970	0.085
C91	6.072	0.085
C90	6.174	0.085
C89	6.276	0.085
C88	6.380	0.085
C87	6.483	0.085
C86	6.588	0.085
C85	6.692	0.085
C84	6.798	0.085
C83	6.904	0.085
C82	7.011	0.085
C81	7.118	0.085
C80	7.226	0.085

N° DE CABLE Nb DU CABLE N° OF CABLE	DISTANCIA DESDE NIVEL SUPERIOR DE LA LOSA DISTANCE AU NIVEAU SUPERIEUR DE LA DALLE DISTANCE TO SUPERIOR FACE OF SLAB	DISTANCIA ENTRE CABLES DISTANCE ENTRE CABLES DISTANCE BETWEEN CABLES
C81	7.443	0.109
C82	7.553	0.110
C83	7.664	0.111
C84	7.775	0.112
C85	7.887	0.113
C86	7.999	0.114
C87	8.113	0.115
C88	8.226	0.116
C89	8.341	0.117
C90	8.457	0.118
C91	8.573	0.119
C92	8.690	0.120
C93	8.808	0.121
C94	8.927	0.122
C95	9.046	0.123
C96	9.167	0.124
C97	9.288	0.125
C98	9.410	0.126
C99	9.533	0.127
C100	9.657	0.128
C101	9.782	0.129
C102	9.908	0.130
C103	10.035	0.131
C104	10.163	0.132
C105	10.292	0.133
C106	10.422	0.134
C107	10.554	0.135
C108	10.686	0.136
C109	10.820	0.137
C110	10.954	0.138
C111	11.090	0.139
C112	11.228	0.140
C113	11.366	0.141
C114	11.506	0.142
C115	11.648	0.143
C116	11.790	0.144
C117	11.935	0.145
C118	12.080	0.146
C119	12.228	0.147
C120	12.377	0.148
C121	12.527	0.149
C122	12.679	0.150
C123	12.833	0.151
C124	12.989	0.152
C125	13.147	0.153
C126	13.307	0.154
C127	13.469	0.155
C128	13.633	0.156
C129	13.799	0.157
C130	13.968	0.158
C131	14.139	0.159
C132	14.313	0.160
C133	14.489	0.161
C134	14.668	0.162
C135	14.850	0.163
C136	15.035	0.164
C137	15.223	0.165
C138	15.415	0.166
C139	15.610	0.167
C140	15.809	0.168
C141	16.012	0.169
C142	16.220	0.170
C143	16.432	0.171
C144	16.648	0.172
C145	16.870	0.173
C146	17.098	0.174
C147	17.332	0.175
C148	17.572	0.176
C149	17.819	0.177
C150	18.074	0.178
C151	18.338	0.179
C152	18.611	0.180
C153	18.895	0.181
C154	19.190	0.182
C155	19.500	0.183
C156	19.824	0.184
C157	20.167	0.185
C158	20.657	0.186
C159	21.147	0.187