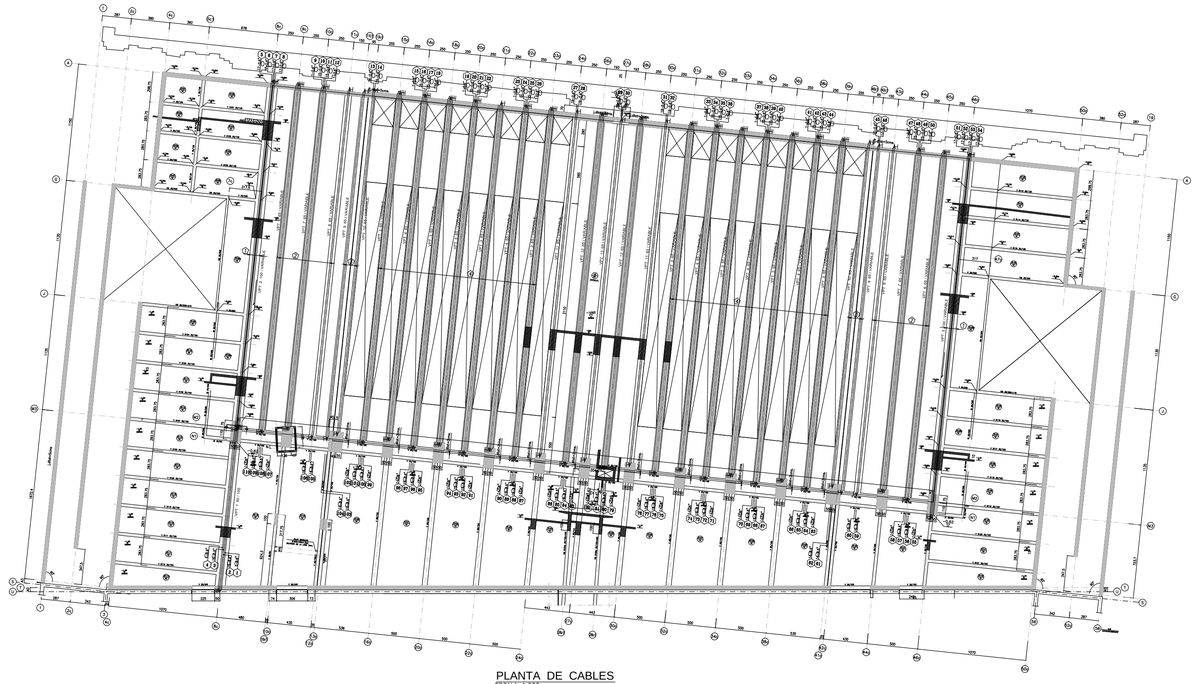

PLANTA DE CABLES
ESCALA 1:200

ESPECIFICACIONES TECNICAS

1.- *MATERIALES*

1.1.- *HORMIGON (H40)*
RESISTENCIA CILINDRICA CARACTERIST. EN TRANSFERENCIA: f´ci ≥ 230 kg/cm²
RESISTENCIA CILINDRICA CARACTERIST. A LOS 28 DIAS : f´c ≥ 350 kg/cm² (H-40)

TAMAÑO MAXIMO ARIDOS 3/4" (20 mm).

1.2.- *ACERO NO POSTENSADO:*
ACERO, A63-42H
LONGITUD MINIMA DE ANCLAJES Y TRASLAPOS SEGUN CAP Y AASHTO 96
RECUBRIMIENTOS: DUCTOS (MIN.) =3.8cms.
RESTO =2.5cms.

1.3.- *ACERO, POSTENSADO*
CABLES DE ACERO BAJA RELAJACION, GRADO 270 KSI,Ø0.5", A=1.40 cm²
DEBE CUMPLIR LOS SIGUIENTES NORMAS:
ALAMBRES ALTA RESISTENCIA ASTM A421-80
CABLES DE 7 ALAMBRES ASTM A416-80

1.4.- *MORTERO DE INYECCION*
RESISTENCIA:
A LOS 7 DIAS, BD=200kg/cm²
A LOS 28 DIAS, BD=300kg/cm²

BD= RESISTENCIA MEDIA EN PROBETA CILINDRICA DE H=80mm. Y Ø=99mm.
LA FLUIDEZ MEDIDA POR EL CONO DE MARSH DEBE ESTAR COMPRENDIDA ENTRE 30 Y 45 SEGUNDOS.

1.5.- *LOS DUCTOS SERAN VAINAS DE ACERO Ø 90mm (INTERIOR).*
LOS COEFICIENTES DE FRICCION ESTIMADOS SON:
μ=0.22
K=0.0025 (POR METRO)

1.6.- *ANCLAJES CTT TIPO CR-22 (15/0.6") – ANCLAJES VSL S6N – CR-24 19-06"*
1.7.- *GATO MULTICABLE GJ-420*
AREA PISTON 602.4cm²

2.- *TENSADO*

-TODOS LOS CABLES QUE COMPONEN UN DUCTO, DEBEN SER TENSADOS SIMULTANEAMENTE.

2.1.- *SECUENCIA, FUERZAS DE TENSADO Y ELONGACIONES.*

3.- *ARRIOSTRAMIENTO*

-DURANTE EL PROCESO DE CONSTRUCCION DE LAS VIGAS, ESTAN DEBEN DEBEN SER ARRIOSTRADAS LATERALMENTE EN LOS TERCIOS DE SU LUZ.

CARGAS DE DISEÑO CENTRO CULTURAL
PLANTA ESTRUCTURA NIVEL -0.20

EJES	PP (Kg/m2)	SC (Kg/m2)
01-A1-8-52	250	500
T-A1-3-8	250	500
T-A1-52-56	250	500
T-01-8-52	250	500
A-M3-24c-30c	250	1200

NOTA: PP NO INCLUYE PESO PROPIO DE VIGA NI PESO DE LOSAS

1- HORMIGON H-40 90% NIVEL DE CONFIANZA

2- ACERO: fy=420 MPa, A-63-42H

CUADRO DE CONTRAFLECHAS	
SIMBOLOGIA	CONTRAFLECHA
1	5 mm.
2	15 mm.
3	25 mm.
4	20 mm.

LOSA = 20 cms.

CUADRO DE TENSADO

Datos Generales						Fuerzas de Tensado		Secuencia de Tensado			
Ducto	Nº Cables por ducto	Tipo	Largo a tensar	Largo cable	Δ Total	Presarga	Tensado f	GRUPO	EJE	GRUPO	EJE
1-2 1	1	0.6"	16.6	16.75	114	9.4	51.2	1	1	1	1
2-3 1	15	0.6"	16.6	16.75	114	56.4	308	1	1	1	1
3-4 1	17	0.6"	30.4	30.55	208	108.1	590.4	3	A	3	N1
4-5 1	17	0.6"	30.4	30.55	208	108.1	590.4	4	A	7	N1
5-6 1	17	0.6"	30.4	30.55	208	108.1	590.4	5	A	11	N1
6-7 1	15	0.6"	31.1	31.65	216	56.4	308	6	A	15	M3
7-8 1	1	0.6"	31.1	31.65	216	9.4	51.2	7	A	19	M3
8-9 1	14	0.6"	31.1	31.65	216	39.0	296.8	11	A	14	M3
9-10 1	1	0.6"	31.1	31.65	216	9.4	71.2	15	A	18	M3
10-11 1	15	0.6"	31.1	31.65	216	56.4	308	19	A	17	M3
11-12 1	15	0.6"	31.1	31.65	216	56.4	308	14	A	21	M3
12-13 1	1	0.6"	31.1	31.65	216	9.4	71.2	18	A	25	M3
13-14 1	15	0.6"	31.1	31.65	216	56.4	308	17	A	29	M3
14-15 1	15	0.6"	31.1	31.65	216	56.4	308	21	A	33	M3
15-16 1	1	0.6"	31.1	31.65	216	9.4	71.2	25	A	37	M3
16-17 1	15	0.6"	31.1	31.65	216	56.4	308	29	A	41	M3
17-18 1	19	0.6"	31.1	31.65	216	120.6	402.8	33	A	45	M3
18-19 1	19	0.6"	31.1	31.65	216	120.6	402.8	37	A	49	M3
19-20 1	19	0.6"	31.1	31.65	216	120.6	402.8	41	A	53	M3
20-21 1	1	0.6"	31.1	31.65	216	9.4	71.2	45	A	57	M3
21-22 1	15	0.6"	31.1	31.65	216	56.4	308	49	A	61	M3
22-23 1	15	0.6"	31.1	31.65	216	56.4	308	53	A	65	M3
23-24 1	1	0.6"	31.1	31.65	216	9.4	71.2	57	A	69	M3
24-25 1	15	0.6"	31.1	31.65	216	56.4	308	61	A	73	M3
25-26 1	15	0.6"	31.1	31.65	216	56.4	308	65	A	77	M3
26-27 1	1	0.6"	31.1	31.65	216	9.4	71.2	69	A	81	M3
27-28 1	15	0.6"	31.1	31.65	216	56.4	308	73	A	85	M3
28-29 1	15	0.6"	31.1	31.65	216	56.4	308	77	A	89	M3
29-30 1	1	0.6"	31.1	31.65	216	9.4	71.2	81	A	93	M3
30-31 1	15	0.6"	31.1	31.65	216	56.4	308	85	A	97	M3
31-32 1	19	0.6"	31.1	31.65	216	120.6	402.8	89	A	101	M3
32-33 1	19	0.6"	31.1	31.65	216	120.6	402.8	93	A	105	M3
33-34 1	19	0.6"	31.1	31.65	216	120.6	402.8	97	A	109	M3
34-35 1	1	0.6"	31.1	31.65	216	9.4	71.2	101	A	113	M3
35-36 1	15	0.6"	31.1	31.65	216	56.4	308	105	A	117	M3
36-37 1	15	0.6"	31.1	31.65	216	56.4	308	109	A	121	M3
37-38 1	1	0.6"	31.1	31.65	216	9.4	71.2	113	A	125	M3
38-39 1	15	0.6"	31.1	31.65	216	56.4	308	117	A	129	M3
39-40 1	15	0.6"	31.1	31.65	216	56.4	308	121	A	133	M3
40-41 1	1	0.6"	31.1	31.65	216	9.4	71.2	125	A	137	M3
41-42 1	15	0.6"	31.1	31.65	216	56.4	308	129	A	141	M3
42-43 1	15	0.6"	31.1	31.65	216	56.4	308	133	A	145	M3
43-44 1	1	0.6"	31.1	31.65	216	9.4	71.2	137	A	149	M3
44-45 1	15	0.6"	31.1	31.65	216	56.4	308	141	A	153	M3
45-46 1	15	0.6"	31.1	31.65	216	56.4	308	145	A	157	M3
46-47 1	1	0.6"	31.1	31.65	216	9.4	71.2	149	A	161	M3
47-48 1	15	0.6"	31.1	31.65	216	56.4	308	153	A	165	M3
48-49 1	15	0.6"	31.1	31.65	216	56.4	308	157	A	169	M3
49-50 1	1	0.6"	31.1	31.65	216	9.4	71.2	161	A	173	M3
50-51 1	15	0.6"	31.1	31.65	216	56.4	308	165	A	177	M3
51-52 1	15	0.6"	31.1	31.65	216	56.4	308	169	A	181	M3
52-53 1	17	0.6"	33.35	33.5	228	108.1	590.4	173	A	185	M3
53-54 1	17	0.6"	33.35	33.5	228	108.1	590.4	177	A	189	M3
54-55 1	1	0.6"	31.95	34.1	219	9.4	71.2	181	A	193	M3
55-56 1	15	0.6"	31.95	34.1	219	56.4	308	185	A	197	M3
56-57 1	15	0.6"	31.95	34.1	219	56.4	308	189	A	201	M3
57-58 1	1	0.6"	31.95	34.1	219	9.4	71.2	193	A	205	M3
58-59 1	15	0.6"	31.95	34.1	219	56.4	308	197	A	209	M3
59-60 1	15	0.6"	31.95	34.1	219	56.4	308	201	A	213	M3
60-61 1	1	0.6"	32.1	34.25	220	9.4	71.2	205	A	217	M3
61-62 1	15	0.6"	32.1	34.25	220	56.4	308	209	A	221	M3
62-63 1	15	0.6"	32.1	34.25	220	56.4	308	213	A	225	M3
63-64 1	1	0.6"	32.1	34.25	220	9.4	71.2	217	A	229	M3
64-65 1	15	0.6"	32.1	34.25	220	56.4	308	221	A	233	M3
65-66 1	15	0.6"	32.1	34.25	220	56.4	308	225	A	237	M3
66-67 1	1	0.6"	32.1	34.25	220	9.4	71.2	229	A	241	M3
67-68 1	15	0.6"	32.1	34.25	220	56.4	308	233	A	245	M3
68-69 1	15	0.6"	32.1	34.25	220	56.4	308	237	A	249	M3
69-70 1	1	0.6"	32.1	34.25	220	9.4	71.2	241	A	253	M3
70-71 1	15	0.6"	32.1	34.25	220	56.4	308	245	A	257	M3
71-72 1	15	0.6"	32.1	34.25	220	56.4	308	249	A	261	M3
72-73 1	1	0.6"	32.1	34.25	220	9.4	71.2	253	A	265	M3
73-74 1	15	0.6"	32.1	34.25	220	56.4	308	257	A	269	M3
74-75 1	15	0.6"	32.1	34.25	220	56.4	308	261	A	273	M3
75-76 1	1	0.6"	32.1	34.25	220	9.4	71.2	265	A	277	M3
76-77 1	15	0.6"	32.1	34.25	220	56.4	308	269	A	281	M3
77-78 1	15	0.6"	32.1	34.25	220	56.4	308	273	A	285	M3
78-79 1	1	0.6"	32.1	34.25	220	9.4	71.2	277	A	289	M3
79-80 1	15	0.6"	32.1	34.25	220	56.4	308	281	A	293	M3
80-81 1	15	0.6"	32.1	34.25	220	56.4	308	285	A	297	M3
81-82 1	1	0.6"	32.1	34.25	220	9.4	71.2	289	A	301	M3
82-83 1	15	0.6"	32.1	34.25	220	56.4	308	293	A	305	M3
83-84 1	15	0.6"	32.1	34.25	220	56.4	308	297	A	309	M3
84-85 1	1	0.6"	32.1	34.25	220	9.4	71.2	301	A	313	M3
85-86 1	15	0.6"	32.1	34.25	220	56.4	308	305	A	317	M3
86-87 1	15	0.6"	32.1	34.25	220	56.4	308	309	A	321	M3
87-88 1	1	0.6"	32.1	34.25	220	9.4	71.2	313	A	325	M3
88-89 1	15	0.6"	32.1	34.25	220	56.4	308	317	A	329	M3
89-90 1	15	0.6"	32.1	34.25	220	56.4	308	321	A	333	M3
90-91 1	1	0.6"	32.1	34.25	220	9.4	71.2	325	A	337	M3
91-92 1	15	0.6"	32.1	34.25	220	56.4	308	329	A	341	M3
92-93 1	15	0.6"	32.1	34.25	220	56.4	308	333	A	345	M3
93-94 1	1	0.6"	32.1	34.25	220	9.4	71.2	337	A	349	M3
94-95 1	15	0.6"	32.1	34.25	220	56.4	308	341	A	353	M3
95-96 1	15	0.6"	32.1	34.25	220	56.4	308	345	A	357	M3
96-97 1	1	0.6"	32.1	34.25	220	9.4	71.2	349	A	361	M3
97-98 1	15	0.6"	32.1	34.25	220	56.4	308	353	A	365	M3
98-99 1	15	0.6"	32.1	34.25	220	56.4	308	357	A	369	M3
99-100 1	1	0.6"	32.1	34.25	220	9.4	71.2	361	A	373	M3
100-101 1	15	0.6"	31.95	34.1	219	56.4	308	365	A	377	M3
101-102 1	15	0.6"	31.95	34.1	219	56.4	308	369	A	381	M3
102-103 1	1	0.6"	31.95	34.1	219	9.4	71.2	373	A	385	M3
103-104 1	15	0.6"	31.95	34.1	219	56.4	308	377	A	389	M3
104-105 1	15	0.6"	31.95	34.1	219	56.4	308	381	A	393	M3
105-106 1	1	0.6"	31.95	34.1	219	9.4	71.2	385	A	397	M3
106-107 1	15	0.6"	31.95	34.1	219	56.4	308	389	A	401	M3
107-108 1	15	0.6"	31.95	34.1	219	56.4	308	393	A	405	M3
108-109 1	1	0.6"	31.95	34.1	219	9.4	71.2	397	A	409	M3
109-110 1	15	0.6"	31.95	34.1	219	56.4	308	401	A	413	M3
110-111 1	15	0.6"	31.95	34.1	219	56.4	308	405	A	417	M3
111-112 1	1	0.6"	31.95	34.1	219	9.4	71.2	409	A	421	M3
112-113 1	15	0.6"	31.95	34.1	219	56.4	308	413	A	425	M3
113-114 1	15	0.6"	31.95	34.1	219	56.4	308	417	A	429	M3
114-115 1	1	0.6"	31.95	34.1	219	9.4	71.2	421	A	433	M3
115-116 1	15	0.6"	31.95	34.1	219	56.4	308	425	A	437	M3
116-117 1	15	0.6"	31.95	34.1	219	56.4	308	429	A	441	M3
117-118 1	1	0.6"	31.95	34.1	219	9.4	71.2	433	A	445	M3
118-119 1	15	0.6"	31.95	34.1	219	56.4	308	437	A	449	M3
119-120 1	15	0.6"	31.95	34.1	219	56.4	308	441	A	453	M3
120-121 1	1	0.6"	31.95	34.1	219	9.4	71.2	445	A	457	M3
121-122 1	15	0.6"	31.95	34.1	219	56.4	308	449	A	461	M3
122-123 1	15	0.6"	31.95	34.1	219	56.4	308	453	A	465	M3
123-124 1	1	0.6"	31.95	34.1	219	9.4	71.2	457	A	469	M3
124-125 1	15	0.6"	31.95	34.1	219	56.4	308	461	A	473	M3
125-126 1	15	0.6"	31.95	34.1	219	56.4	308	465	A	477	M3
126-127 1	1	0.6"	31.95	34.1	219	9.4	71.2	469	A	481	M3
127-128 1	15	0.6"	31.95	34.1	219	56.4	308	473	A	485	M3
128-129 1	15	0.6"	31.95	34.1	219	56.4	308	477	A	489	M3
129-130 1	1	0.6"	31.95	34.1	219	9.4	71.2	481	A	493	M3
130-131 1	15	0.6"	31.95	34.1	219	56.4	308	485	A	497	M3
131-132 1	15	0.6"	31.95	34.1	219	56.4	308	489	A	501	M3
132-133 1	1	0.6"	31.95	34.1	219	9.4	71.2	493	A	505	M3
133-134 1	15	0.6"	31.95	34.1	219	56.4	308	497	A	509	M3
134-135 1	15	0.6"	31.95	34.1	219	56.4	308	501	A	513	M3
135-136 1	1	0.6"	31.95	34.1	219	9.4	71.2	505	A	517	M3
136-137 1	15	0.6"	31.95	34.1	219	56.4	308	509	A	521	M3
137-138 1	15	0.6"	31.95	34.1	219	56.4	308	513	A	525	M3
138-139 1	1	0.6"	31.95	34.1	219	9.4	71.2	517	A	529	M3
139-140 1	15	0.6"	31.95	34.1	219	56.4	308	521	A	533	M3
140-141 1	15	0.6"	31.95	34.1	219	56.4	308	525	A	537	M3
141-142 1	1	0.6"	31.95	34.1	219	9.4	71.2	529	A	541	M3
142-143 1	15	0.6"	31.95	34.1	219	56.4	308	533	A	545	M3
143-144 1	15	0.6"	31.95	34.1	219	56.4	308	537	A	549	M3
144-145 1	1	0.6"	31.95	34.1	219	9.4	71.2	541	A	553	M3
145-146 1	15	0.6"	31.95	34.1	219	56.4	308	545	A	557	M3
146-147 1	15	0.6"	31.95	34.1	219	56.4	308	549	A	561	M3
147-148 1	1	0.6"	31.95	34.1	219	9.4	71.2	553	A	565	M3
148-149 1	15	0.6"	31.95	34.1	219	56.4	308	557	A	569	M3
149-150 1	15	0.6"	31.95	34.1	219	56.4	308	561	A	573	M3
150-151 1	1	0.6"	31.95	34.1	219	9.4	71.2	565	A	577	M3
151-152 1	15	0.6"	31.95	34.1	219	56.4	308	569	A	581	M3
152-153 1	15	0.6"	31.95	34.1	219	56.4	308	573	A	585	M3
153-154 1	1	0.6"	31.95	34.1	219	9.4	71.2	577	A	589	M3
154-155 1	15	0.6"	31.95	34.1	219	56.4	308	581	A	593	M3
155-156 1	15	0.6"	31.95	34.1	219	56.4	308	585	A	597	M3
156-157 1	1	0.6"	31.95	34.1	219	9.4	71.2	589	A	601	M3
157-158 1	15	0.6"	31.95	34.1	219	56.4	308	593	A	605	M3
158-159 1	15	0.6"	31.95	34.1	219	56.4	308	597	A	609	M3
159-160 1	1	0.6"	31.95	34.1	219	9.4	71.2	601	A	613	M3
160-161 1	15	0.6"	31.95	34.1	219	56.4	308	605	A	617	M3
161-162 1	15	0.6"	31.95	34.1	219	56.4	308	609	A	621	M3
162-163 1	1	0.6"	31.95	34.1	219	9.4	71.2	613	A	625	M3
163-164 1	15	0.6"	31.95	34.1	219	56.4	308	617	A	629	M3
164-165 1	15	0.6"	31.95	34.1	219	56.4	308	621	A	633	M3
165-166 1	1	0.6"	31.95	34.1	219	9.4	71.2	625	A	637	M3
166-167 1	15	0.6"	31.95	34.1	219	56.4	308	629	A	641	M3
167-168 1	15	0.6"	31.95	34.1	219	56.4	308	633	A	645	M3
168-169 1	1	0.6"	31.95	34.1	219	9.4	71.2	637	A	649	M3
169-170 1	15	0.6"	31.95	34.1	219	56.4	308	641	A	653	M3
170-171 1	15	0.6"	31.95	34.1	219	56.4	308	645	A	657	M3
171-172 1	1	0.6"	31.95	34.1	219	9.4	71.2	649	A	661	M3
172-173 1	15	0.6"	31.95	34.1	219	56.4	308	653	A	665	M3
173-174 1	15	0.6"	31.95	34.1	219	56.4	308	657	A	669	M3
174-175 1	1	0.6"	31.95	34.1	219	9.4	71.2	661	A	673	M3
175-176 1	15	0.6"	31.95	34.1	219	56.4	308	665	A	677	M3
176-177 1	15	0.6"	31.95	34.1	219	56.4	308	669	A	681	M3
177-178 1	1	0.6"	31.95	34.1	219	9.4	71.2	673	A	685	M3
178-179 1	15	0.6"	31.95	34.1	219	56.4	308	677	A	689	M3
179-180 1	15	0.6"	31.95	34.1	219	56.4	308	681	A	693	M3
180-181 1	1	0.6"	31.95	34.1	219	9.4	71.2	685	A	697	M3
181-182 1	15	0.6"	31.95	34.1	219	56.4	308	689	A	701	M3
182-183 1	15	0.6"	31.95	34.1	219	56.4	308	693	A	705	M3
183-184 1	1	0.6"	31.95	34.1	219	9.4	71.2	697	A	709	M3
184-185 1	15	0.6"	31.95	34.1	219	56.4	308	701	A	713	M3
185-186 1	15	0.6"	31.95	34.1	219	56.4	308	705	A	717	M3
186-187 1	1	0.6"	31.95	34.1	219	9.4	71.2	709	A	721	M3
187-188 1	15	0.6"	31.95	34.1	219	56.4	308	713	A	725	M3
188-189 1	15	0.6"	31.95	34.1	219	56.4	308	717	A	729	M3
189-190 1	1	0.6"	31.95	34.1	219	9.4	71.2	721	A	733	M3
190-191 1	15	0.6"	31.95	34.1	219	56.4	308	725	A	737	M3
191-192 1	15	0.6"	31.95	34.1	219	56.4	308	729	A	741	M3
192-193 1	1	0.6"	31.95	34.1	219	9.4	71.2	733	A	745	M3
193-194 1	15	0.6"	31.95	34.1	219	56.4	308	737	A	749	M3
194-195 1	15	0.6"	31.95	34.1	219	56.4	308	741	A	753	M3
195-196 1	1	0.6"	31.95	34.1	219	9.4	71.2	745	A	757	M3
196-197 1	15	0.6"	31.95	34.1	219	56.4	308	749	A	761	M3
197-198 1	15	0.6"	31.95	34.1	219	56.4	308	753	A	765	M3
198-199 1	1	0.6"	31.95	34.1	219	9.4	71.2	757	A	769	M3
199-200 1	15	0.6"	31.95	34.1	219	56.4	308	761	A	773	M3
200-201 1	15	0.6"	31.95	34.1	219	56.4	308	765	A	777	M3
201-202 1	1	0.6"	31.95	34.1	219	9.4	71.2	769	A	781	M3
202-203 1	15	0.6"	31.95	34.1	219	56.4	308	773	A	785	M3
203-204 1	15	0.6"	31.95	34.1	219	56.4	308	777	A	789	M3
204-205 1	1	0.6"	31.95	34.1	219	9.4	71.2	781	A	793	M3
205-206 1	15	0.6"	31.95	34.1	219	56.4	308	785	A	797	M3
206-207 1	15	0.6"	31.95	34.1	219	56.4	308	789	A	801	M3
207-208 1	1	0.6"	31.95	34.1	219	9.4	71.2	793	A	805	M3
208-209 1	15	0.6"	31.95	34.1	219	56.4	308	797	A	809	M3
209-210 1	15	0.6"	31.95	34.1	219	56.4	308	801	A	813	M3
210-211 1	1	0.6"	31.95	34.1	219	9.4	71.2	805	A	817	M3
211-212 1	15	0.6"	31.95	34.1	219	56.4	308	809	A	821	M3
212-213 1	15	0.6"	31.95	34.1	219	56.4	308	813	A	825	M3
213-214 1	1	0.6"	31.95	34.1	219	9.4	71.2	817	A	829	M3
214-215 1	15	0.6"	31.95	34.1	219	56.4	308	821	A	833	M3
215-216 1	15	0.6"	31.95	34.1	219	56.4	308	825	A	837	M3
216-217 1	1	0.6"	31.95	34.1	219	9.4	71.2	829	A	841	M3
217-218 1	15	0.6"	31.95	34.1	219	56.4	308	833	A	845	M3
218-219 1	15	0.6"	31.95	34.1	219	56.4	308	837	A	849	M3
219-220 1	1	0.6"	31.95	34.1	219	9.4	71.2	841	A	853	M3
220-221 1	15	0.6"	31.95	34.1	219	56.4	308	845	A	857	M3
221-222 1	15	0.6"	31.95	34.1	219	56.4	308	849	A	861	M3
222-223 1	1	0.6"	31.95	34.1	219	9.4	71.2	853	A	865	M3
223-224 1	15	0.6"	31.95	34.1	219	56.4	308	857	A	869	M3
224-225 1	15	0.6"	31.95	34.1	219	56.4	308	861	A	873	M3
225-226 1	1	0.6"	31.95	34.1	219	9.4	71.2	865	A	877	M3
226-227 1	15	0.6"	31.95	34.1	219	56.4	308	869	A	881	M3
227-228 1	15	0.6"	31.95	34.1	219	56.4	308	873	A	885	M3
228-229 1	1	0.6"	31.95	34.1	219	9.4	71.2	877	A	889	M3
229-230 1	15	0.6"	31.95	34.1	219	56.4	308	881	A	893	M3
230-231 1	15	0.6"	31.95	34.1	219	56.4	308	885	A	897	M3
231-232 1	1	0.6"	31.95	34.1	219	9.4	71.2	889	A	901	M3
232-233 1	15	0.6"	31.95	34.1	219	56.4	308	893	A	905	M3
233-234 1	15	0.6"	31.95	34.1	219	56.4	308	897	A	909	M3
234-235 1	1	0.6"	31.95	34.1	219	9.4	71.2	901	A	913	M3
235-236 1	15	0.6"	31.95	34.1	219	56.4	308	905	A	917