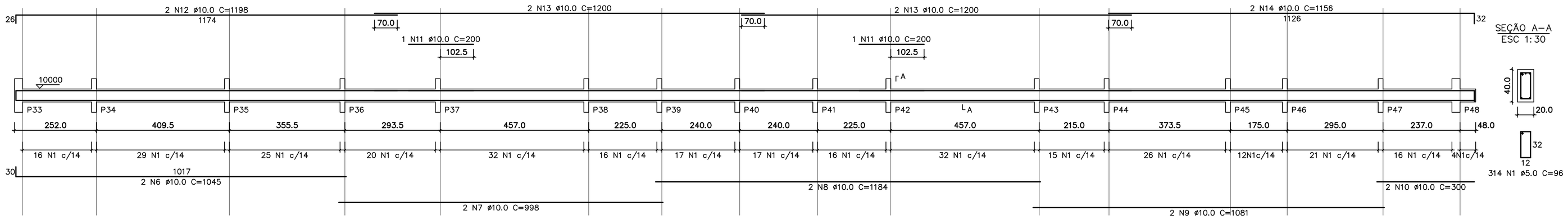
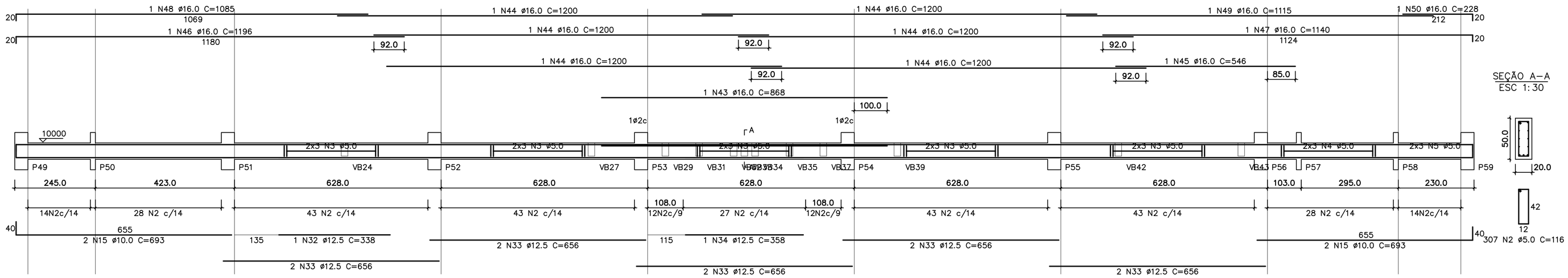
VB9
1:75



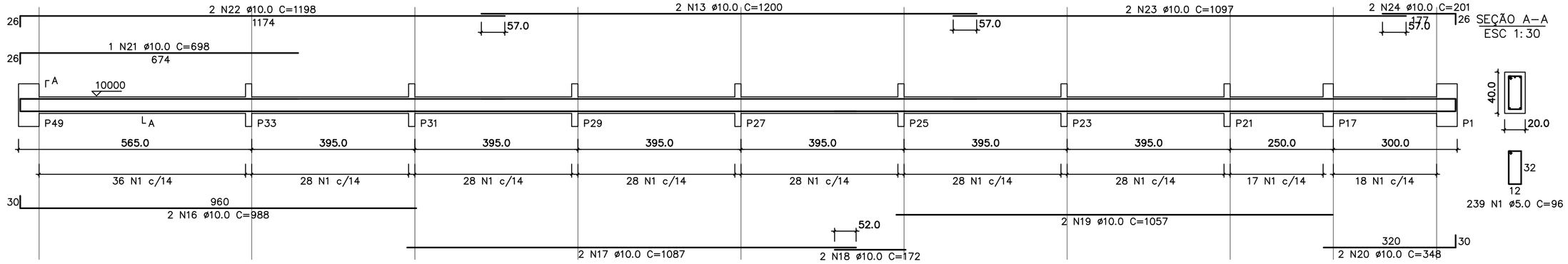
SEÇÃO A–A
ESC 1:30

VB16
1:75



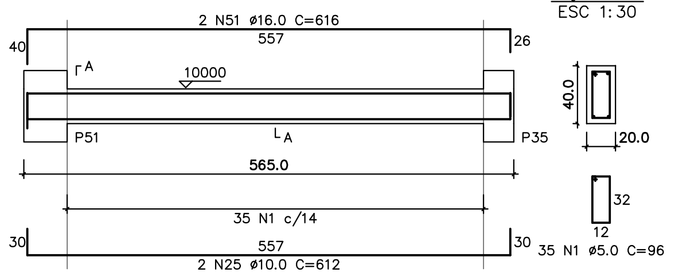
SEÇÃO A–A
ESC 1:30

VB17
1:75



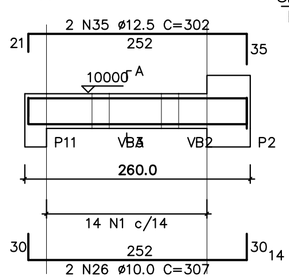
SEÇÃO A–A
ESC 1:30

VB22
1:50

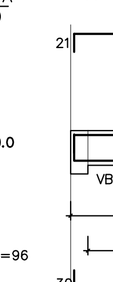


SEÇÃO A–A
ESC 1:30

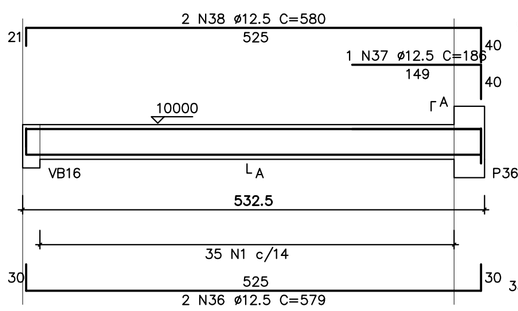
VB23
1:50



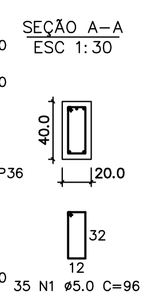
SEÇÃO A–A
ESC 1:30



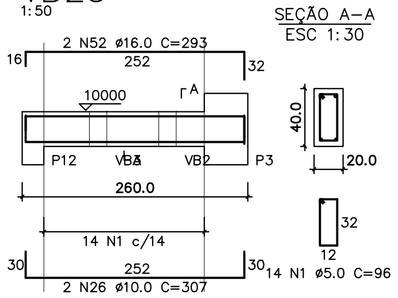
VB24
1:50



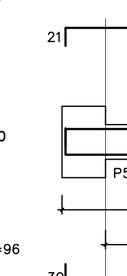
SEÇÃO A–A
ESC 1:30



VB25
1:50



SEÇÃO A–A
ESC 1:30



VB26
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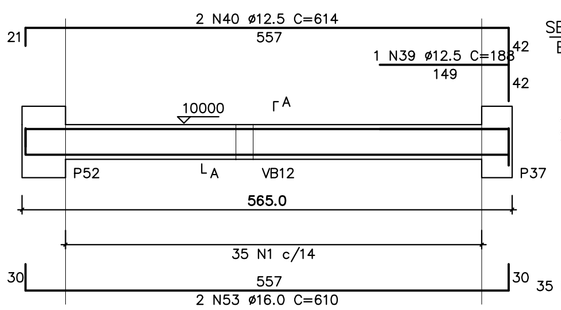
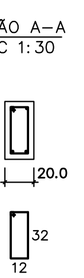
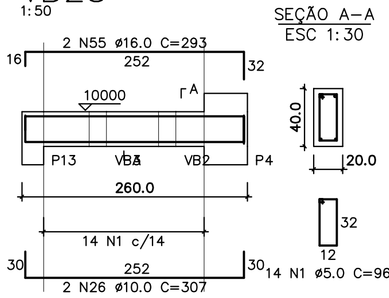


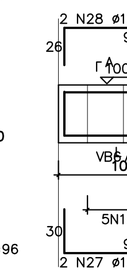
SEÇÃO A–A
ESC 1:30



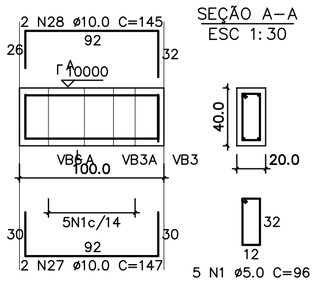
VB28
1:50



SEÇÃO A–A
ESC 1:30

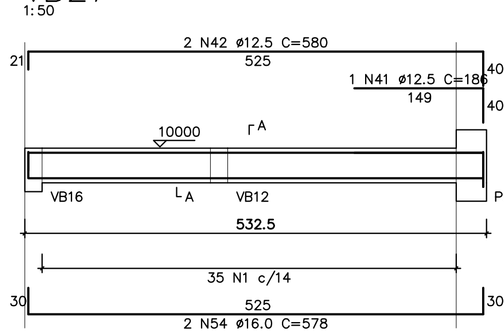


VB30
1:30



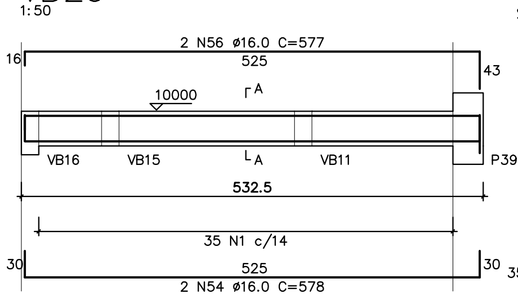
SEÇÃO A–A
ESC 1:30

VB27
1:50

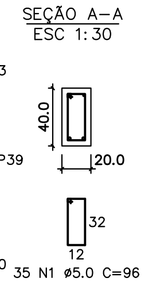


SEÇÃO A–A
ESC 1:30

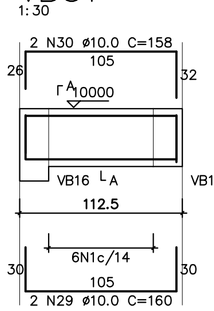
VB29
1:50



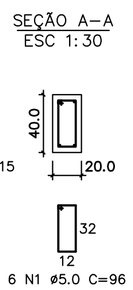
SEÇÃO A–A
ESC 1:30



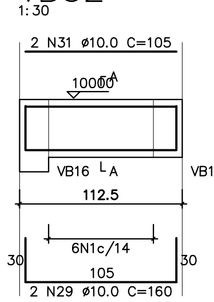
VB31
1:30



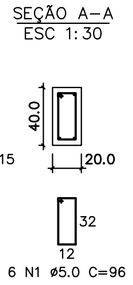
SEÇÃO A–A
ESC 1:30



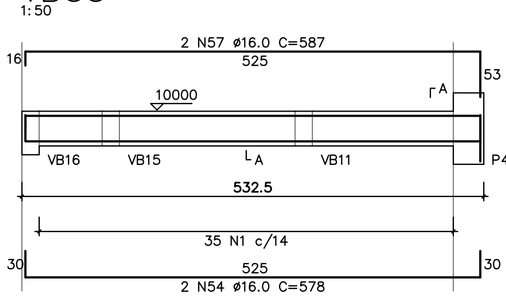
VB32
1:30



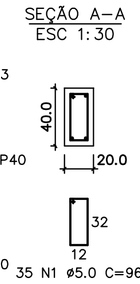
SEÇÃO A–A
ESC 1:30



VB33
1:50



SEÇÃO A–A
ESC 1:30



RELAÇÃO DO AÇO

VB9 VB16 VB17
VB22 VB23 VB24
VB25 VB26 VB27
VB28 VB29 VB30
VB31 VB32 VB33

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
60	1	5.0	822	96	78912
	2	5.0	307	116	35612
	3	5.0	30	corr	18840
	4	5.0	6	corr	2466
	5	5.0	6	corr	1428
50	6	10.0	2	1045	2090
	7	10.0	2	998	1996
	8	10.0	2	1184	2368
	9	10.0	2	1081	2162
	10	10.0	2	300	600
	11	10.0	2	200	400
	12	10.0	2	1198	2396
	13	10.0	6	1200	7200
	14	10.0	2	1156	2312
	15	10.0	4	693	2772
	16	10.0	2	988	1976
	17	10.0	2	1087	2174
	18	10.0	2	172	344
	19	10.0	2	1057	2114
	20	10.0	2	348	696
	21	10.0	1	698	698
	22	10.0	2	1198	2396
	23	10.0	2	1097	2194
	24	10.0	2	201	402
	25	10.0	2	612	1224
	26	10.0	6	307	1842
	27	10.0	2	147	294
	28	10.0	2	145	290
	29	10.0	4	160	640
	30	10.0	2	158	316
	31	10.0	2	105	210
	32	12.5	1	338	338
	33	12.5	10	656	6560
	34	12.5	1	358	358
	35	12.5	2	302	604
	36	12.5	2	579	1158
	37	12.5	1	186	186
	38	12.5	2	580	1160
	39	12.5	1	188	188
	40	12.5	2	614	1228
	41	12.5	1	186	186
	42	12.5	2	580	1160
	43	16.0	1	868	868
	44	16.0	6	1200	7200
	45	16.0	1	546	546
	46	16.0	1	1196	1196
	47	16.0	1	1140	1140
	48	16.0	1	1085	1085
	49	16.0	1	1115	1115
	50	16.0	1	228	228
	51	16.0	2	616	1232
	52	16.0	2	293	586
	53	16.0	2	610	1220
	54	16.0	6	578	3468
	55	16.0	2	293	586
	56	16.0	2	577	1154
	57	16.0	2	587	1174

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	10.0	421.1	285.6
	12.5	131.3	139.2
	16.0	227.9	396.1
CA60	5.0	1378.2	233.4
PESO TOTAL			
CA50	821.0		
CA60	233.4		

Vol. concreto total = 14.31 m³
Área de forma total = 176.71 m²
fck = 300.00 kgf/cm²

REV	DATA	RESP.	DESCRIÇÃO	FASE DO PROJETO
1				ASBUILT
2	28/11/2013	PAULO	EMISSÃO INICIAL	EXECUTIVO ■
3				COMENTADO
4				BÁSICO

Ministério do Esporte — GOVERNO FEDERAL BRASIL PAÍS RICO É PAÍS SEM POBREZA

TÍTULO: **CIE - CENTRO DE INICIAÇÃO AO ESPORTE**

PROJETO:
MODALIDADE: ESTRUTURA DE CONCRETO - PROJETO EXECUTIVO
ESPECIALIDADE: GINÁSIO CIE:S40-45 - ARMADURA, VIGAS E BALDRAMES

AUTOR DO PROJETO:
ENG. PAULO SERGIO BATISTA PEREIRA
CREA: 060085974 9SP - ART: 92221220140569811

VERIFICAÇÃO/DATA: CIE-28/11/13
EMISSÃO INICIAL: 28/11/13 | FOLHA: 007/016 | ÁREA: IMPLANTAÇÃO MÓD. 1,2 e 3
ESCALA: INDICADA | IDENTIFICAÇÃO/ARQUIVO: CIE-S40-45-ESC-EX-4006-R00.dwg

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