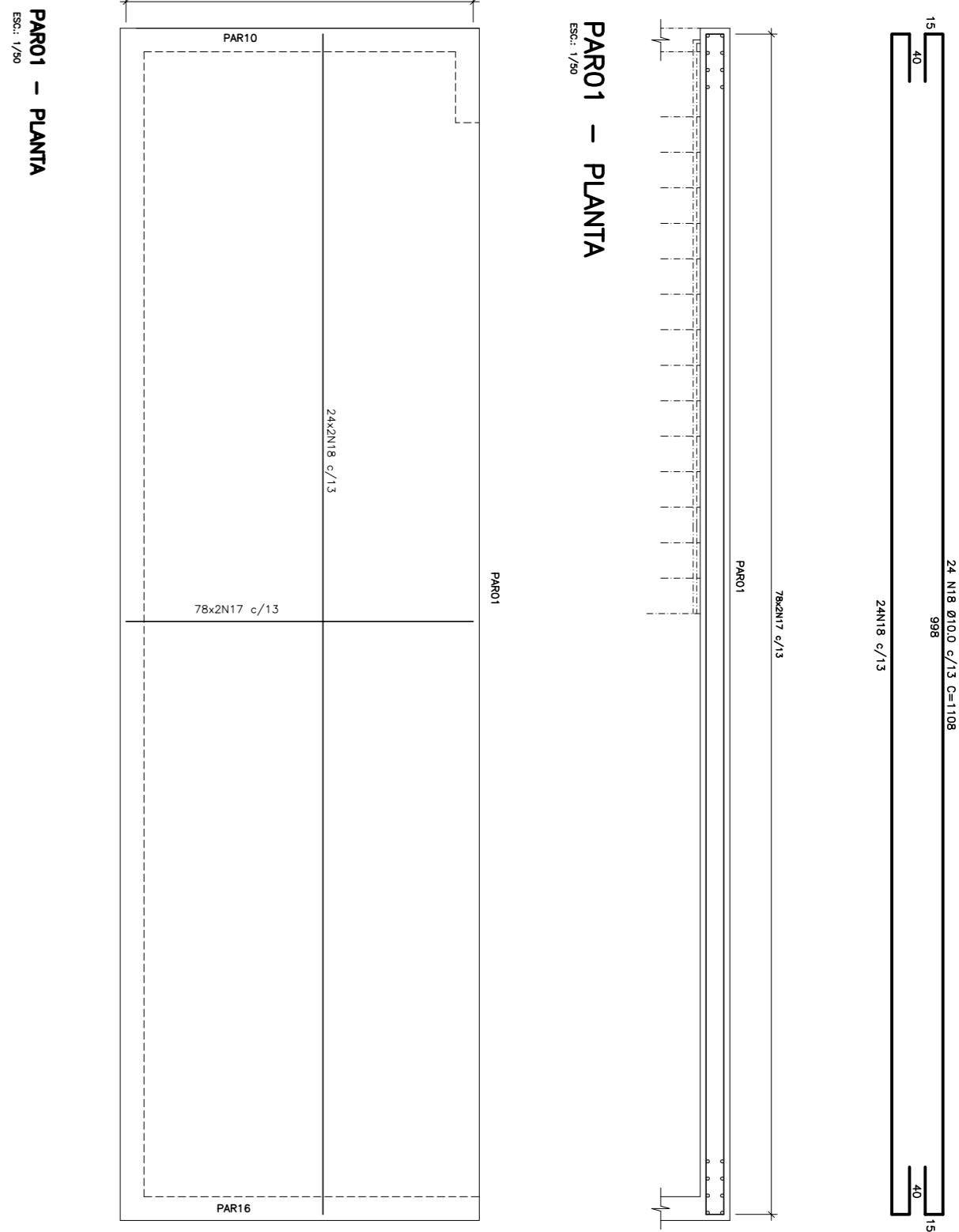
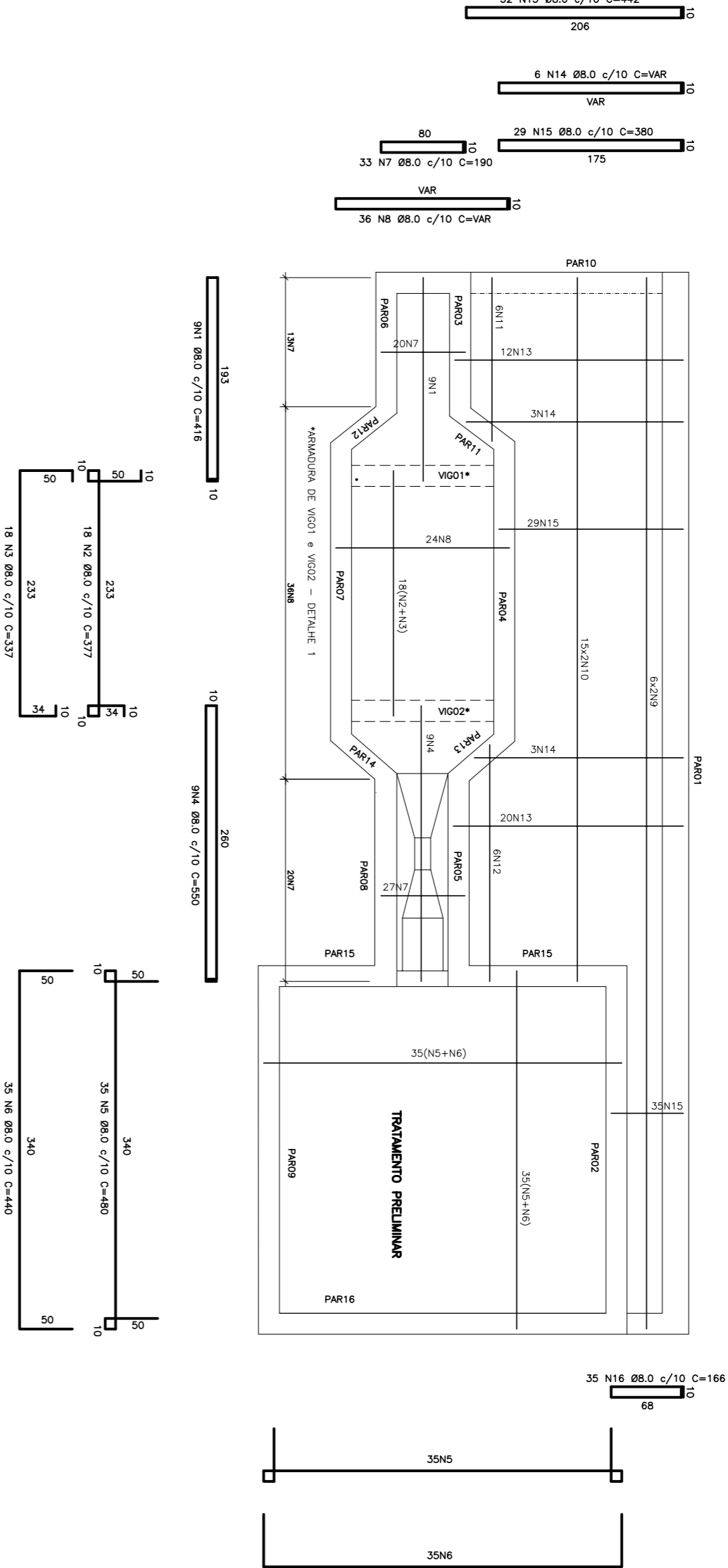
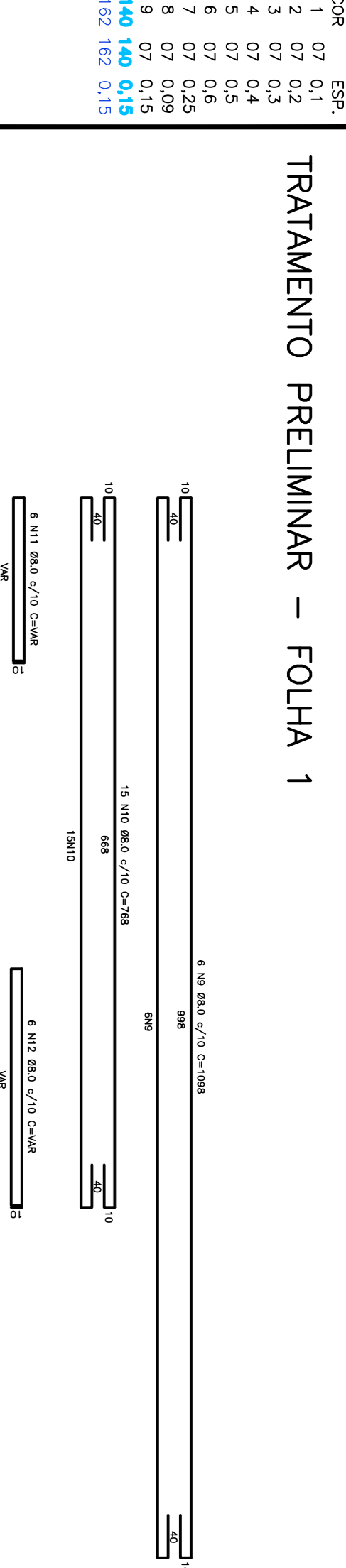
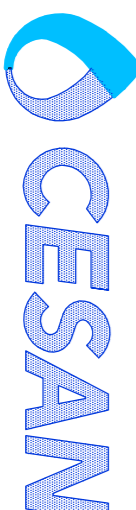
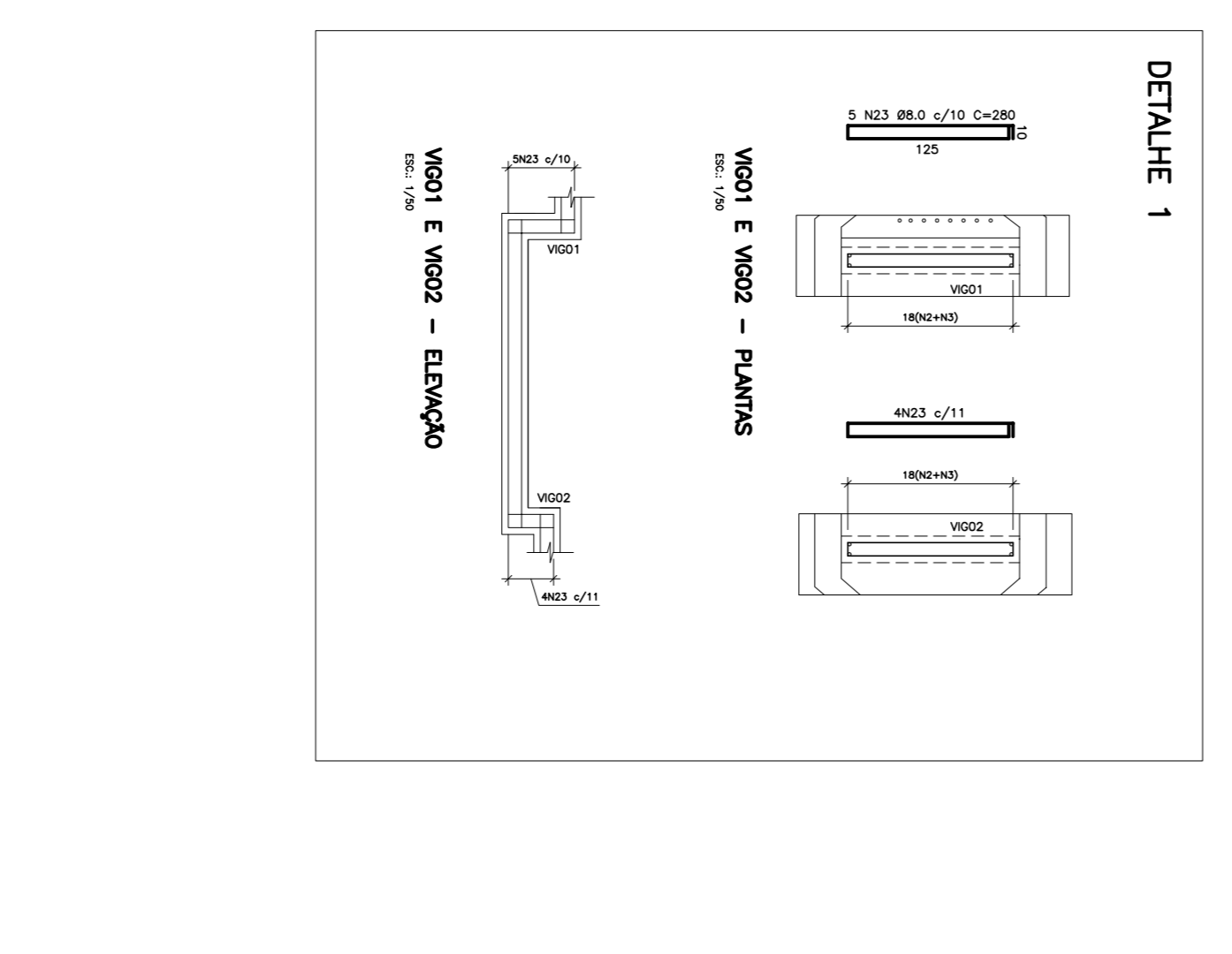
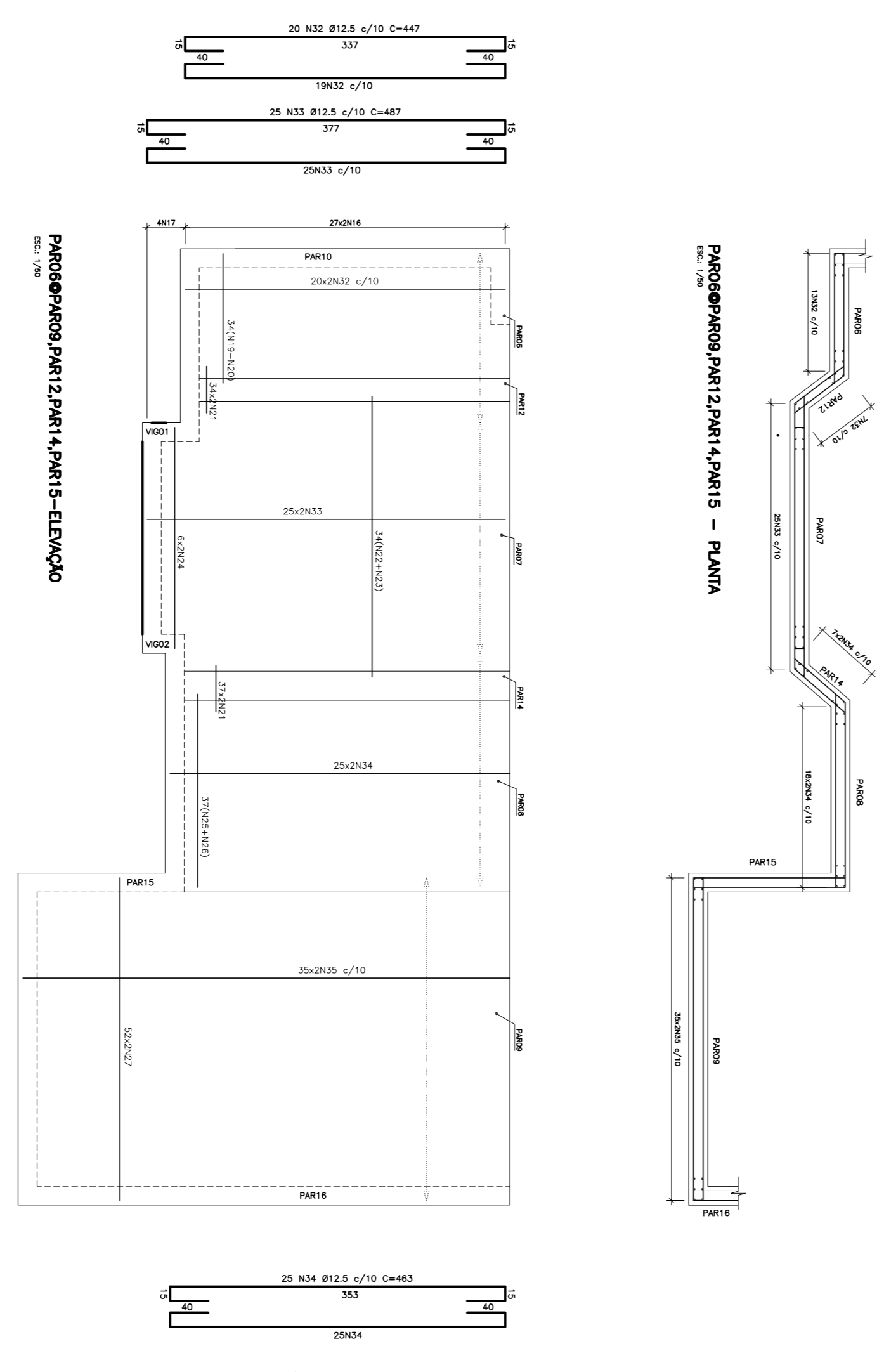
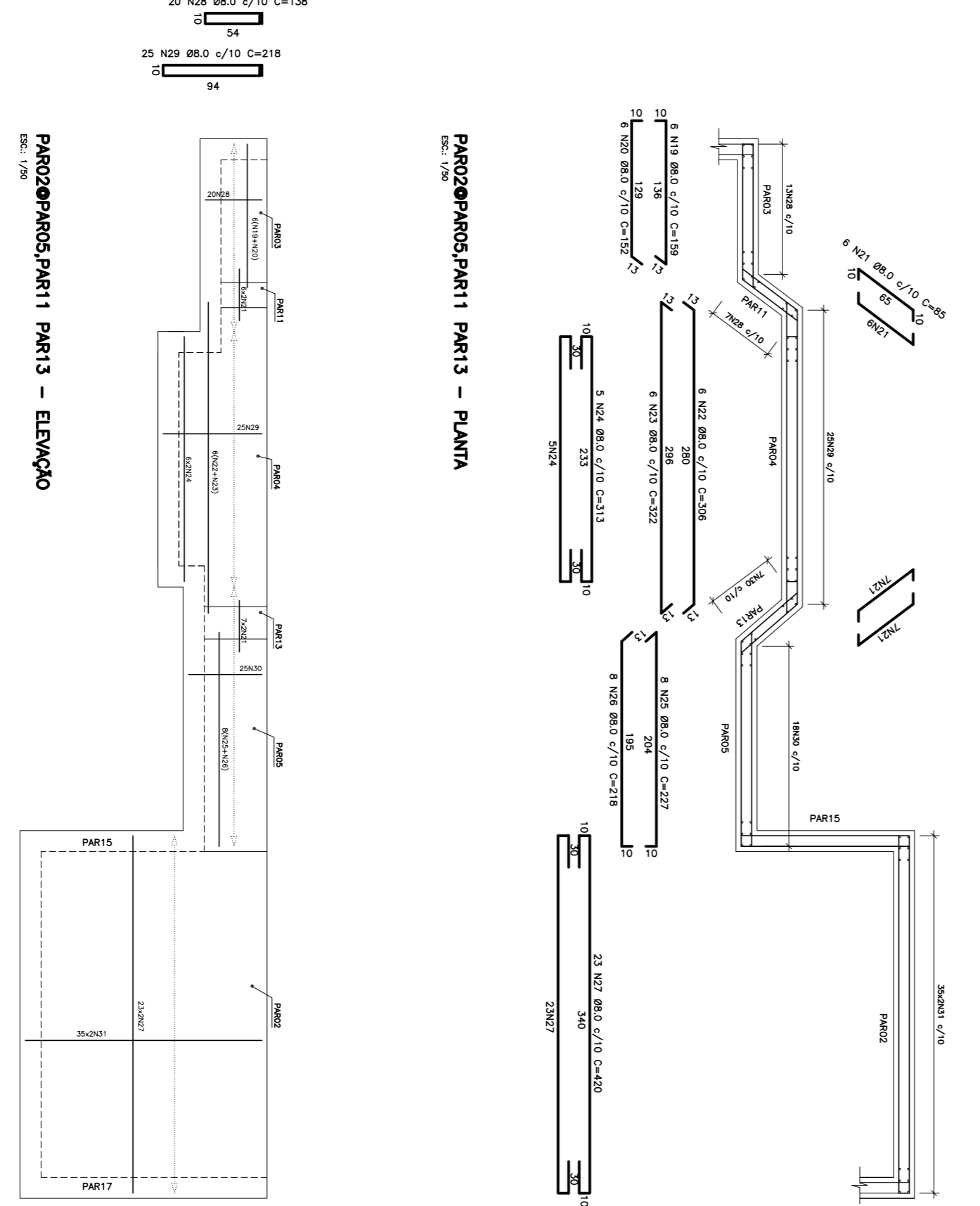
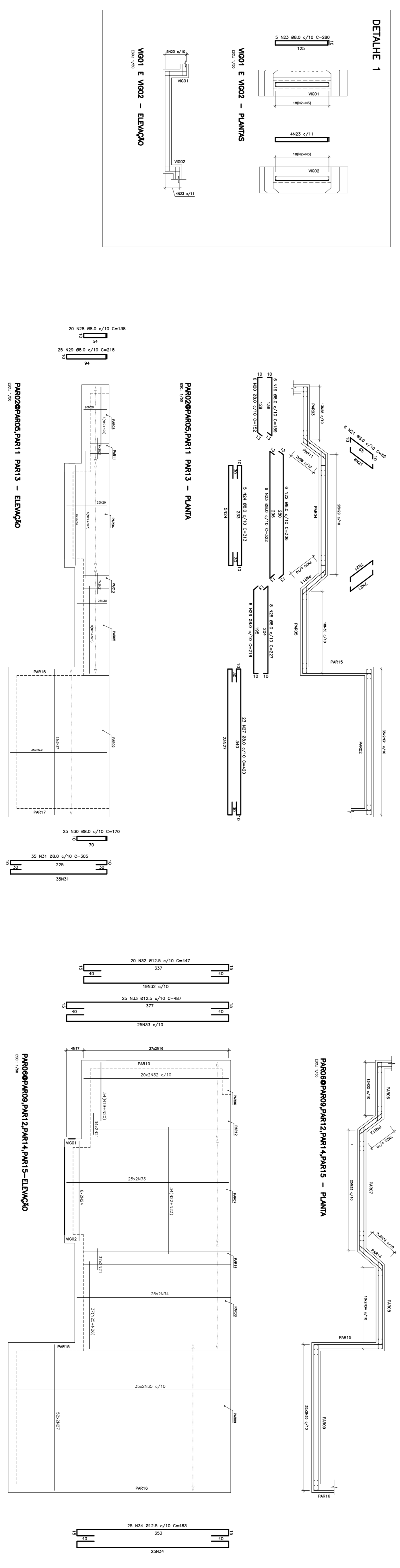


TRATAMENTO PRELIMINAR – FOLHA 1



QUANTO DO AÇO			
TRATAMENTO PRELIMINAR			
N	Ø (mm)	QUANT	COMPRIMENTO
UNIT (cm) TOTAL (m)			
1	8,0	9	416
2	8,0	18	377
3	8,0	18	377
4	8,0	18	377
5	8,0	18	377
6	8,0	18	377
7	8,0	18	377
8	8,0	18	377
9	8,0	18	377
10	8,0	18	377
11	8,0	18	377
12	8,0	18	377
13	8,0	18	377
14	8,0	18	377
15	8,0	18	377
16	8,0	18	377
17	8,0	18	377
18	8,0	18	377
19	8,0	18	377
20	8,0	18	377
21	8,0	18	377
22	8,0	18	377
23	8,0	18	377
24	8,0	18	377
25	8,0	18	377
26	8,0	18	377
27	8,0	18	377
28	8,0	18	377
29	8,0	18	377
30	8,0	18	377
31	8,0	18	377
32	8,0	18	377
33	8,0	18	377
34	8,0	18	377
35	8,0	18	377
TOTAL=10%			

RESUMO DO AÇO			
TRATAMENTO PRELIMINAR			
AÇO	Ø (mm)	TOTAL (m)	RESUMO (m)
CA-50	8,0	3488,91	1378
CA-50	10,0	531,84	208,15
CA-50	12,5	1716,54	1653,12
TOTAL			
TOTAL=10%			



ESTE DESENHO É PROPRIEDADE DA COMPANHIA ESPÍRITO SANTENSE DE SANEAMENTO – CESAN E NÃO PODE SER COPIADO SEM SUA AUTORIZAÇÃO.		C	
D		A	
B		E	
F		G	
H		I	
J		K	
L		M	
N		O	
P		Q	
R		S	
T		U	
V		W	
X		Y	
Z		AA	
AB		AC	
AD		AE	
AF		AG	
AH		AI	
AJ		AK	
AL		AM	
AN		AO	
AP		AQ	
AR		AS	
AT		AU	
AV		AW	
AX		AY	
AZ		BA	
BB		BC	
BD		BE	
BF		BG	
BH		BI	
BJ		BK	
BL		BM	
BN		BO	
BP		BQ	
BR		BS	
BT		BU	
BV		BW	
BX		BY	
BZ		CA	
CB		CC	
CD		CE	
CF		CG	
CH		CI	
CJ		CK	
CL		CM	
CN		CO	
CP		CQ	
CR		CS	
CT		CU	
CV		CW	
CX		CY	
CZ		DA	
DB		DC	
DD		DE	
DF		DG	
DH		DI	
DJ		DK	
DL		DM	
DN		DO	
DP		DQ	
DR		DS	
DT		DU	
DV		DW	
DX		DY	
DZ		EA	
EB		EC	
ED		EE	
EF		EG	
EH		EI	
EJ		EK	
EL		EM	
EN		EO	
EP		EQ	
ER		ES	
ET		EU	
EV		EW	
EX		EY	
EZ		FA	
FB		FC	
FD		FE	
FE		FG	
FH		FI	
FI		FJ	
FJ		FK	
FK		FL	
FL		FM	
FM		FO	
FO		FP	
FP		FQ	
FQ		FR	
FR		FS	
FS		FT	
FT		FU	
FU		FV	
FV		FW	
FW		FX	
FX		FY	
FY		FZ	
FZ		GA	
GA		GB	
GB		GC	
GC		GD	
GD		GE	
GE		GF	
GF		GG	
GG		GH	
GH		GI	
GI		GJ	
GJ		GK	
GK		GL	
GL		GM	
GM		GO	
GO		GP	
GP		GQ	
GQ		GR	
GR		GS	
GS		GT	
GT		GU	
GU		GV	
GV		GW	
GW		GX	
GX		GY	
GY		GZ	
GZ		HA	
HA		HB	
HB		HC	
HC		HD	
HD		HE	
HE		HF	
HF		HG	
HG		HH	
HH		HI	
HI		HJ	
HJ		HK	
HK		HL	
HL		HM	
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HT		HU	
HU		HV	
HV		HW	
HW		HX	
HX		HY	
HY		HZ	
HZ		IA	
IA		IB	
IB		IC	
IC		ID	
ID		IE	
IE		IF	
IF		IG	
IG		IH	
IH		II	
II		IJ	
IJ		IK	
IK		IL	
IL		IM	
IM		IO	
IO		IP	
IP		IQ	
IQ		IR	
IR		IS	
IS		IT	
IT		IU	
IU		IV	
IV		IW	
IW		IX	
IX		IY	
IY		IZ	
IZ		JA	
JA		JB	
JB		JC	
JC		JD	
JD		JE	
JE		JF	
JF		JG	
JG		JH	
JH		JI	
JI		JJ	
JJ		JK	
JK		JL	
JL		JM	
JM		JO	
JO		JP	
JP		JQ	
JQ		JR	
JR		JS	
JS		JT	
JT		JU	
JU		JV	
JV		JW	
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JX		JY	
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KC		KD	
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KF		KG	
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KH		KI	
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KU		KV	
KV		KW	
KW		KX	
KX		KY	
KY		KZ	
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LY		LZ	
LZ		MA	
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NH		NI	
NI		NJ	
NJ		NK	
NK		NL	
NL		NM	
NM		NO	
NO		NP	
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NQ		NR	
NR		NS	
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NY		NZ	
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OA		OB	
OB		OC	
OC		OD	
OD		OE	
OE		OF	
OF		OG	
OG		OH	
OH		OI	
OI		OJ	
OJ		OK	
OK		OL	
OL		OM	
OM		ON	
ON		OO	
OO		OP	
OP		OQ	
OQ		OR	
OR		OS	
OS		OT	
OT		OU	
OU		OV	
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OW		OX	
OX		OY	
OY		OZ	
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PD		PE	
PE		PF	
PF		PG	
PG		PH	
PH		PI	
PI		PJ	
PJ		PK	
PK		PL	
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QB		QC	
QC		QD	
QD		QE	
QE		QF	
QF		QG	
QG		QH	
QH		QI	
QI		QJ	
QJ		QK	
QK		QL	
QL		QM	
QM		QN	
QN		QO	
QO		QP	
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QQ		QR	
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RV		RW	
RW		RX	
RX		RY	
RY		RZ	
RZ		SA	
SA		SB	
SB		SC	
SC		SD	
SD			