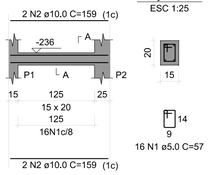
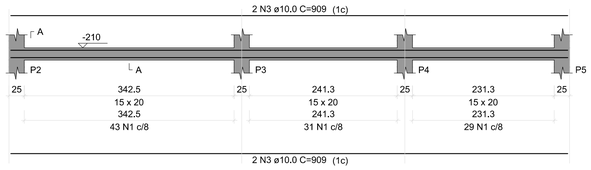
V1
ESC 1:50

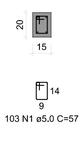


SEÇÃO A-A
ESC 1:25

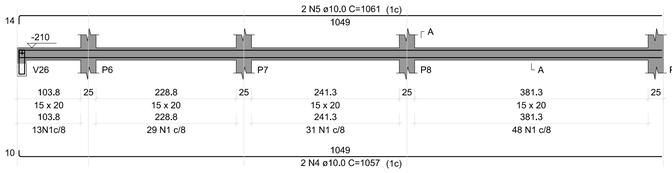
V2
ESC 1:50



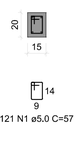
SEÇÃO A-A
ESC 1:25



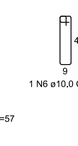
V3
ESC 1:50



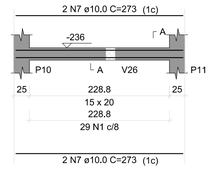
SEÇÃO A-A
ESC 1:25



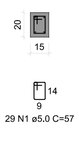
SUSPENSÃO V26
ESC 1:25



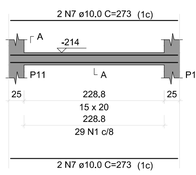
V4
ESC 1:50



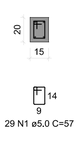
SEÇÃO A-A
ESC 1:25



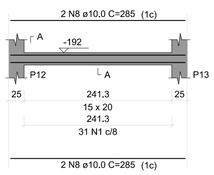
V5
ESC 1:50



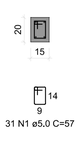
SEÇÃO A-A
ESC 1:25



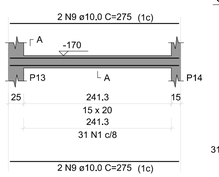
V6
ESC 1:50



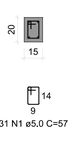
SEÇÃO A-A
ESC 1:25



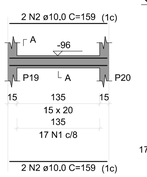
V7
ESC 1:50



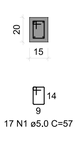
SEÇÃO A-A
ESC 1:25



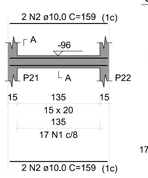
V8
ESC 1:50



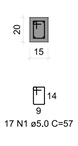
SEÇÃO A-A
ESC 1:25



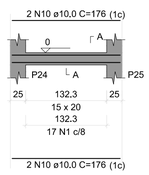
V9
ESC 1:50



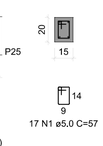
SEÇÃO A-A
ESC 1:25



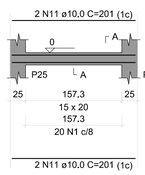
V10
ESC 1:50



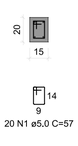
SEÇÃO A-A
ESC 1:25



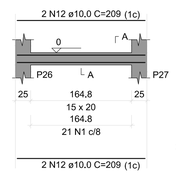
V11
ESC 1:50



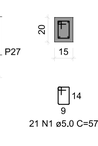
SEÇÃO A-A
ESC 1:25



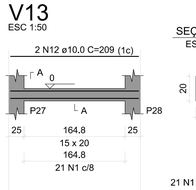
V12
ESC 1:50



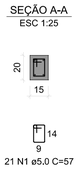
SEÇÃO A-A
ESC 1:25



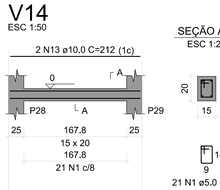
V13
ESC 1:50



SEÇÃO A-A
ESC 1:25

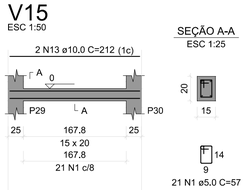


V14
ESC 1:50



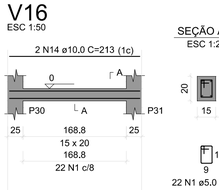
SEÇÃO A-A
ESC 1:25

V15
ESC 1:50



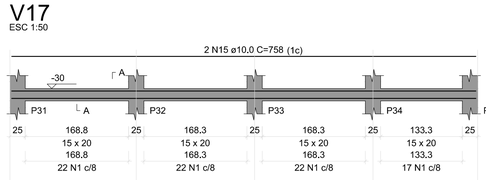
SEÇÃO A-A
ESC 1:25

V16
ESC 1:50

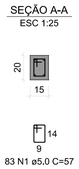


SEÇÃO A-A
ESC 1:25

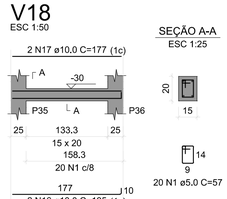
V17
ESC 1:50



SEÇÃO A-A
ESC 1:25

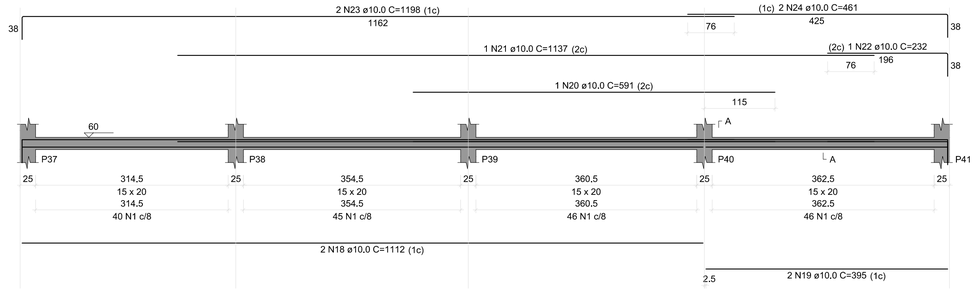


V18
ESC 1:50

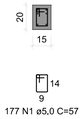


SEÇÃO A-A
ESC 1:25

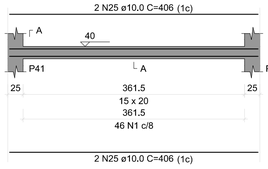
V19
ESC 1:50



SEÇÃO A-A
ESC 1:25



V20
ESC 1:50



SEÇÃO A-A
ESC 1:25

V21
ESC 1:50

SEÇÃO A-A
ESC 1:25

V22
ESC 1:50

SEÇÃO A-A
ESC 1:25

V23
ESC 1:50

SEÇÃO A-A
ESC 1:25

V24
ESC 1:50

SEÇÃO A-A
ESC 1:25

V25
ESC 1:50

SEÇÃO A-A
ESC 1:25

V26
ESC 1:50

SEÇÃO A-A
ESC 1:25

V27
ESC 1:50

SEÇÃO A-A
ESC 1:25

V28
ESC 1:50

SEÇÃO A-A
ESC 1:25

V29
ESC 1:50

SEÇÃO A-A
ESC 1:25

V30
ESC 1:50

SEÇÃO A-A
ESC 1:25

V31
ESC 1:50

SEÇÃO A-A
ESC 1:25

V32
ESC 1:50

SEÇÃO A-A
ESC 1:25

V33
ESC 1:50

SEÇÃO A-A
ESC 1:25

V34
ESC 1:50

SEÇÃO A-A
ESC 1:25

V35
ESC 1:50

SEÇÃO A-A
ESC 1:25

V36
ESC 1:50

SEÇÃO A-A
ESC 1:25

RELAÇÃO DO AÇO

V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	V12
V13	V14	V15
V16	V17	V18
V19	V20	V21
V22	V23	V24
V25	V26	V27
V28	V29	V30
V31	V32	V33
V34	V35	V36

AÇO	N.	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	1241	57	70737
CA50	2	10,0	12	159	1908
	3	10,0	4	909	3636
	4	10,0	2	1057	2114
	5	10,0	2	1061	2122
	6	10,0	1	111	111
	7	10,0	8	273	2184
	8	10,0	4	285	1140
	9	10,0	4	275	1100
	10	10,0	4	176	704
	11	10,0	4	201	804
	12	10,0	8	209	1672
	13	10,0	8	212	1696
	14	10,0	4	213	852
	15	10,0	4	758	3032
	16	10,0	2	185	370
	17	10,0	2	177	354
	18	10,0	2	1112	2224
	19	10,0	1	886	796
	20	10,0	1	591	591
	21	10,0	1	1137	1137
	22	10,0	1	232	232
	23	10,0	2	1198	2396
	24	10,0	2	461	922
	25	10,0	4	406	1624
	26	10,0	10	169	1690
	27	10,0	4	188	752
	28	10,0	2	187	374
	29	10,0	2	207	414
	30	10,0	2	172	344
	31	10,0	2	209	418
	32	10,0	2	338	2034
	33	10,0	2	348	696
	34	10,0	2	207	414
	35	10,0	4	269	1076
	36	10,0	4	254	1016
	37	10,0	8	174	1392
	38	10,0	8	249	1992
	39	10,0	8	257	2056

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	483.8	328.1
CA60	5.0	707.4	119.9

PESO TOTAL (kg)	
CA50	328.1
CA60	119.9

Volume de concreto (C-25) = 2.91 m³
Área de forma = 53.45 m²

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Proprietário: PREFEITURA MUNICIPAL DE SERRANIA

Projeto: ESTRUTURAL RAMPA ESCOLA MUN. PROF. ACEIR MIGUEL MOREIRA

Ref.: VIGAS BALDRAME

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Data: SET/2026

Autores: SAMIR ABDALA N. FERREIRA
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Proprietário: PREF. MUN. DE SERRANIA
CNPJ:18.243.261/0001-06

Escala: 1/50

Folha: 07