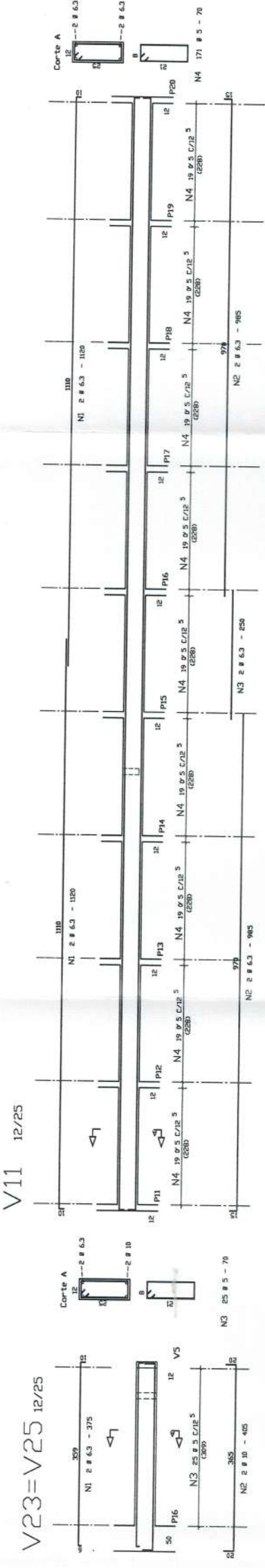
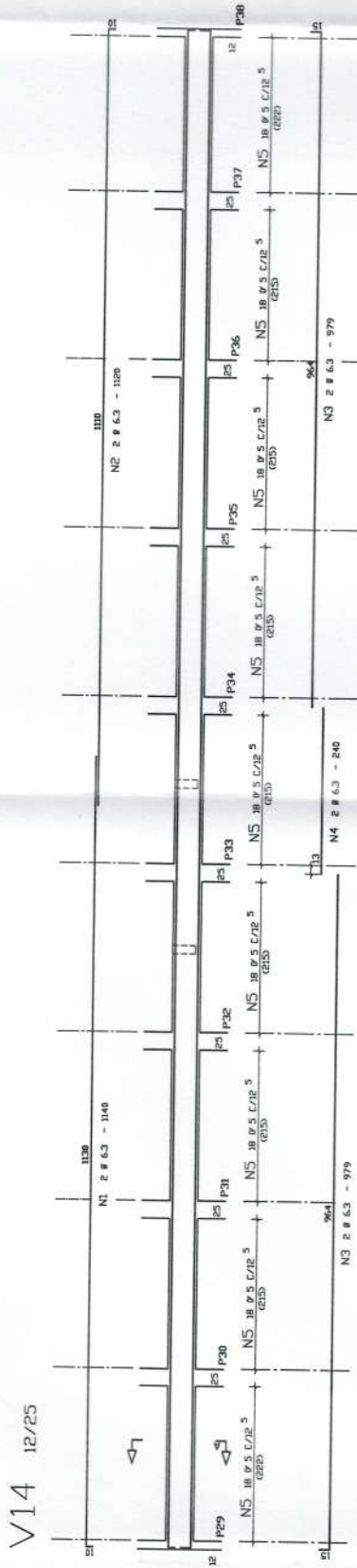


V23=V25 12/25

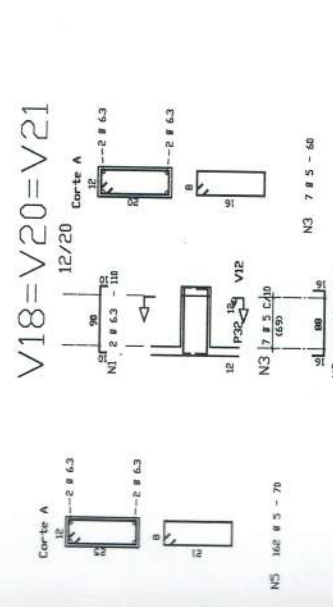
V11 12/25



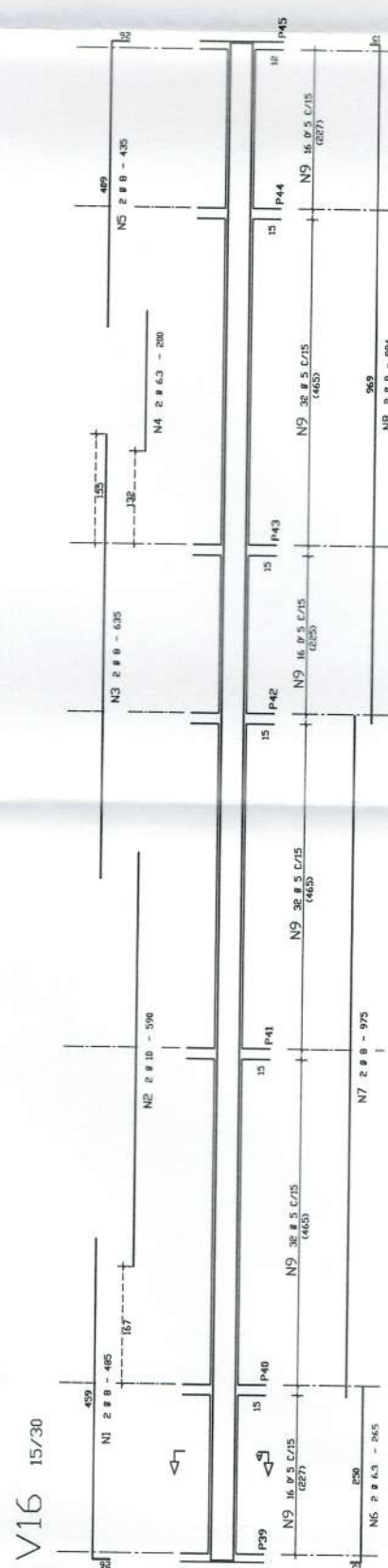
V14 12/25



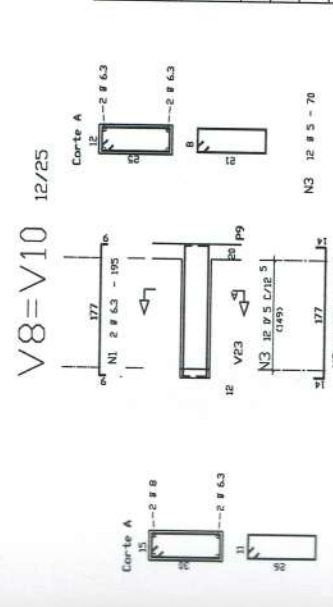
V18=V20=V21 12/20



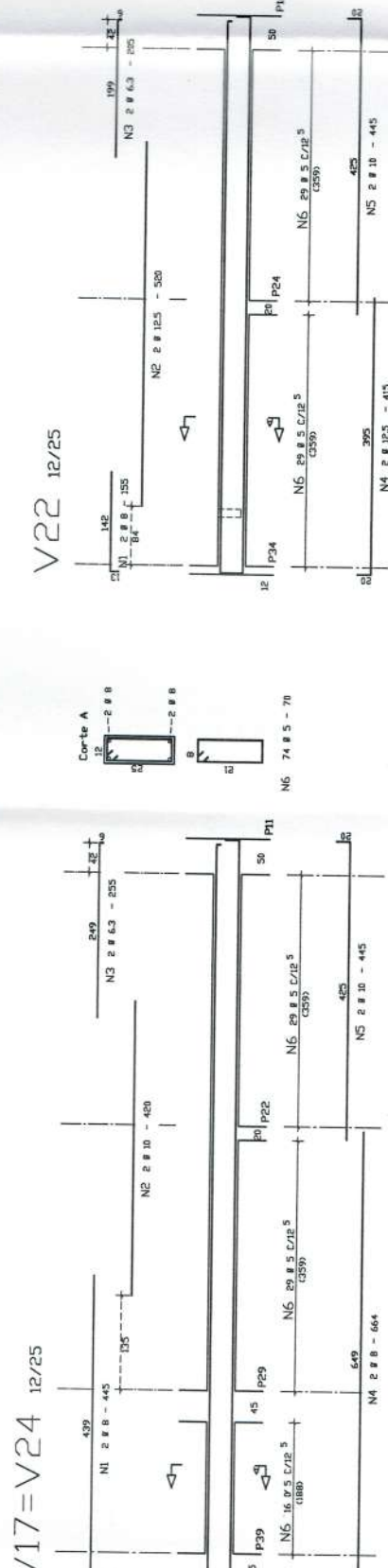
V16 15/30



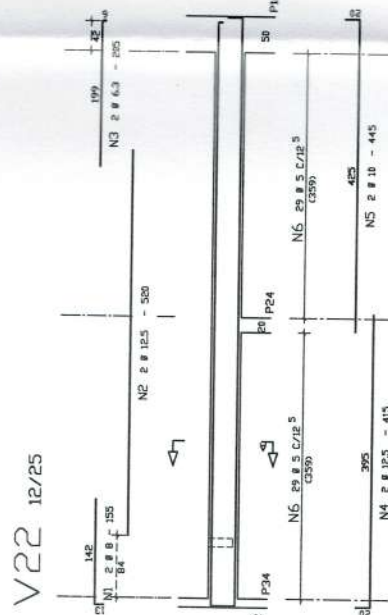
V8=V10 12/25



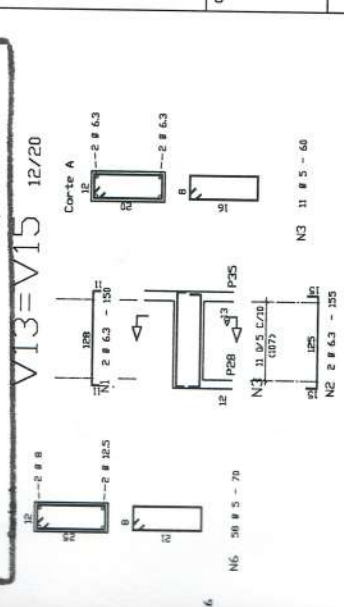
V17=V24 12/25



V22 12/25



V13=V15 12/20



ACO	PDS	BIT	QUANT	COMPRIMENTO	UNIT	TOTAL
V8=V10	OX23	1	6.3	4	195	780
	50A	2	6.3	4	205	820
	60B	3	5	24	70	1680
V11	OX23	1	6.3	4	1100	4400
	50A	2	6.3	4	1135	4540
	60B	3	5	171	70	11970
V13=V15	OX23	1	6.3	4	125	500
	50A	2	6.3	4	135	540
	60B	3	5	22	90	1800
V14	OX23	1	6.3	4	1140	4560
	50A	2	6.3	4	1180	4720
	60B	3	5	162	70	11340
V16	OX23	1	6.3	4	445	1780
	50A	2	6.3	4	480	1920
	60B	3	5	18	70	1260
V17=V24	OX23	1	6.3	4	155	620
	50A	2	6.3	4	165	660
	60B	3	5	22	90	1800
V18=V20=V21	OX23	1	6.3	4	118	472
	50A	2	6.3	4	125	500
	60B	3	5	148	70	1828
V22	OX23	1	6.3	4	110	440
	50A	2	6.3	4	120	480
	60B	3	5	21	80	840
V23=V25	OX23	1	6.3	4	155	620
	50A	2	6.3	4	165	660
	60B	3	5	22	90	1800
V24	OX23	1	6.3	4	155	620
	50A	2	6.3	4	165	660
	60B	3	5	22	90	1800

ACO	BIT	COMPR	CA	50-60	PESO
50A	6.3	259	118	65	65
50A	8	118	118	47	47
50A	12.5	19	19	45	45
60B	5	577	70	176	92
Peso Total		50A =		176	92
		60B =		92	48

Volume de concreto de VIGAS (m³) 3.33  
 Taxa de armadura (kg/m³) 73.1 BCB  
 Eixo Facee  
 3.33  
 73.1 BCB

**BRASIL** Ministério da Educação **FNDE** Fundo Nacional de Desenvolvimento da Educação

**PROJETO PADRÃO - FNDE**

MUNICÍPIO - UF: \_\_\_\_\_  
 PROPRIETÁRIO: \_\_\_\_\_  
 ENDEREÇO: \_\_\_\_\_

PROPRIETÁRIO: \_\_\_\_\_  
 RESP. TÉCNICO: \_\_\_\_\_  
 Eng. Tábata Cristina Reme Abrantes - CREA-CD 4378/D  
 AUTOR DO PROJETO

DUFO: \_\_\_\_\_  
 CREA: \_\_\_\_\_  
 RA: \_\_\_\_\_

OBSERVAÇÕES: \_\_\_\_\_

**ESCOLA 12 SALAS DE AULA**

**PROJETO ESTRUTURAL** concreto armado

COORDENAÇÃO: BLOCO B: BIBLIOTECA E AUDITÓRIO  
 DETALHES DAS VIGAS BALDRAMES E ARMAÇÃO DOS BANCOS

REVISÃO: \_\_\_\_\_ DATA: \_\_\_\_\_  
 ELABORADO: \_\_\_\_\_ DATA: \_\_\_\_\_  
 ESCALA: 1:50 em planta  
 1:20 em elevação

EST 09/34

NOTA: CONCRETO fck = 20 MPa

PREFEITURA MUNICIPAL DE SERTÃOIS

**APROVADO**

Em 25 ABR 2015 Responsável