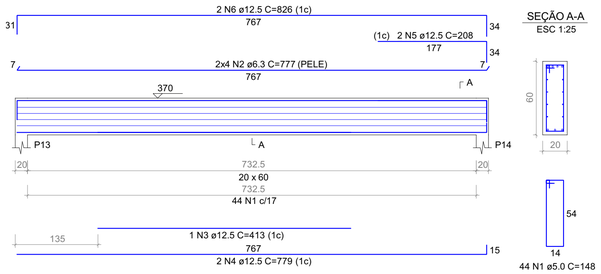
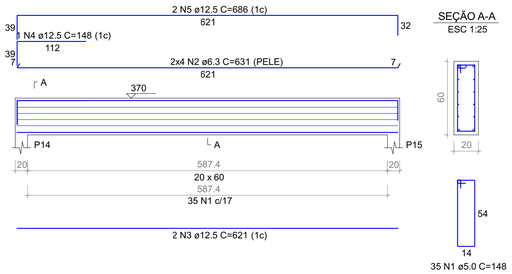
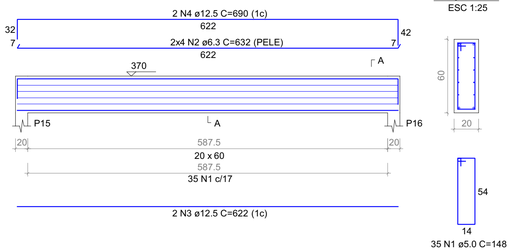
V16
ESC 1:50



V17
ESC 1:50



V18
ESC 1:50



V19
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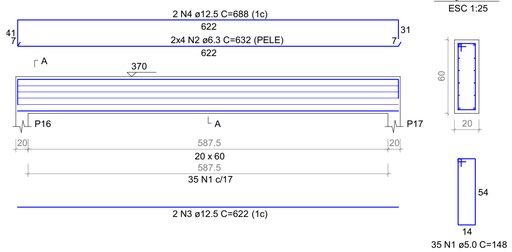
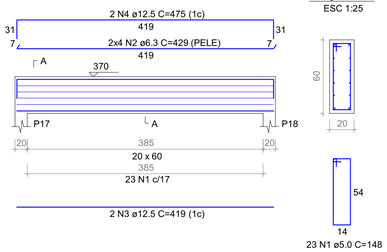
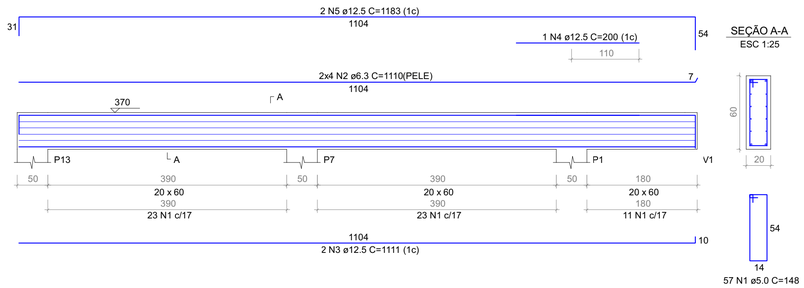


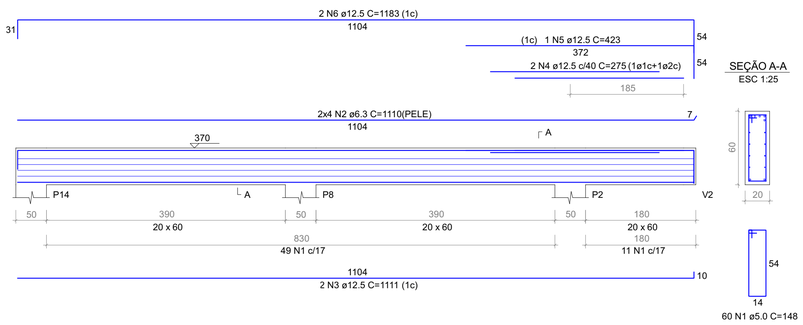
V20
ESC 1:50



V21
ESC 1:50



V22
ESC 1:50



V23
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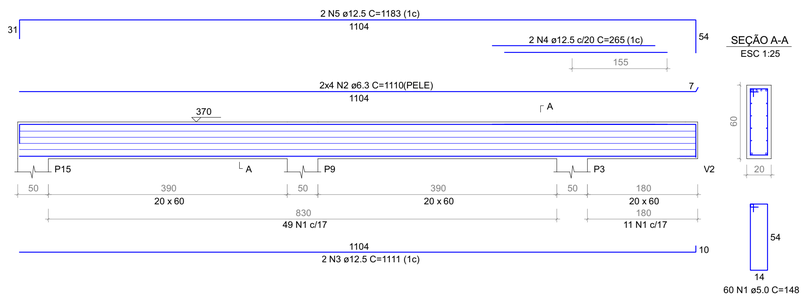
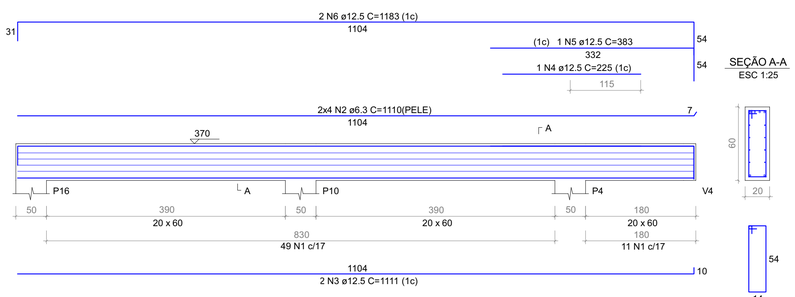
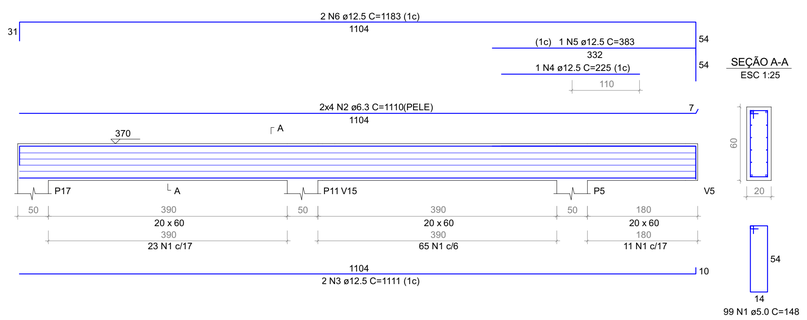


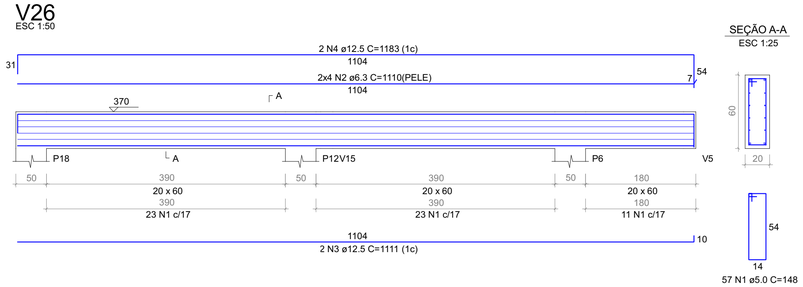
V24
ESC 1:50



V25
ESC 1:50



V26
ESC 1:50



Relação do aço

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
V16	CA60	1	5.0	44	148	6512
	CA50	2	6.3	8	777	6216
	CA50	3	12.5	1	413	413
	CA50	4	12.5	2	779	1558
	CA50	5	12.5	2	208	416
	CA50	6	12.5	2	826	1652
V17	CA60	1	5.0	35	148	5180
	CA50	2	6.3	8	631	5048
	CA50	3	12.5	2	621	1242
	CA50	4	12.5	1	148	148
	CA50	5	12.5	2	686	1372
V18	CA60	1	5.0	35	148	5180
	CA50	2	6.3	8	632	5056
	CA50	3	12.5	2	622	1244
	CA50	4	12.5	2	690	1380
V19	CA60	1	5.0	35	148	5180
	CA50	2	6.3	8	632	5056
	CA50	3	12.5	2	622	1244
	CA50	4	12.5	2	688	1376
V20	CA60	1	5.0	23	148	3404
	CA50	2	6.3	8	429	3432
	CA50	3	12.5	2	419	838
	CA50	4	12.5	2	475	950
V21	CA60	1	5.0	57	148	8436
	CA50	2	6.3	8	1110	8880
	CA50	3	12.5	2	1111	2222
	CA50	4	12.5	1	200	200
	CA50	5	12.5	2	1183	2366
V22	CA60	1	5.0	60	148	8880
	CA50	2	6.3	8	1110	8880
	CA50	3	12.5	2	1111	2222
	CA50	4	12.5	2	275	550
	CA50	5	12.5	1	423	423
	CA50	6	12.5	2	1183	2366
V23	CA60	1	5.0	60	148	8880
	CA50	2	6.3	8	1110	8880
	CA50	3	12.5	2	1111	2222
	CA50	4	12.5	2	265	530
	CA50	5	12.5	2	1183	2366
V24	CA60	1	5.0	60	148	8880
	CA50	2	6.3	8	1110	8880
	CA50	3	12.5	2	1111	2222
	CA50	4	12.5	1	225	225
	CA50	5	12.5	1	383	383
	CA50	6	12.5	2	1183	2366
V25	CA60	1	5.0	99	148	14652
	CA50	2	6.3	8	1110	8880
	CA50	3	12.5	2	1111	2222
	CA50	4	12.5	1	225	225
	CA50	5	12.5	1	383	383
	CA50	6	12.5	2	1183	2366
V26	CA60	1	5.0	57	148	8436
	CA50	2	6.3	8	1110	8880
	CA50	3	12.5	2	1111	2222
	CA50	4	12.5	2	1183	2366

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	780.9	210.2
	12.5	442.8	469.2
CA60	5.0	836.2	141.8

PESO TOTAL (kg)	
CA50	679.4
CA60	141.8

Volume de concreto (C-30) = 10.43 m³
Área de forma = 136.36 m²

Obra
BLOCO DE SALAS ENGENHARIA CIVIL
BR - 232, Km 508, s/n - Zona Rural, CEP: 56000-000, Salgueiro - PE, Brasil.

Projeto
Marcos Antonio Padilha Junior:05942787409
MARCOS ANTONIO PADILHA JÚNIOR
ENGENHEIRO CIVIL
CREA/PB - 160877517-8

Proprietário
INSTITUTO FEDERAL DO SERTÃO PERNAMBUCANO
CNPJ:10.830.301/0005-20
NATUREZA JURÍDICA: AUTARQUIA FEDERAL - CÓDIGO 1104
REPRESENTANTE LEGAL: JOSENILDO FORTE DE BRITO

Projeto
CÁLCULO ESTRUTURAL
Descriminação
Pavimento Cobertura - Armação Vigas V16-V26

Folha 7
Conj. 1 | Fls./Conj. 9

Data	Escala	Desenho	Conferência
MAIO/2021	Indicada	MARCOS PADILHA	MARCOS PADILHA