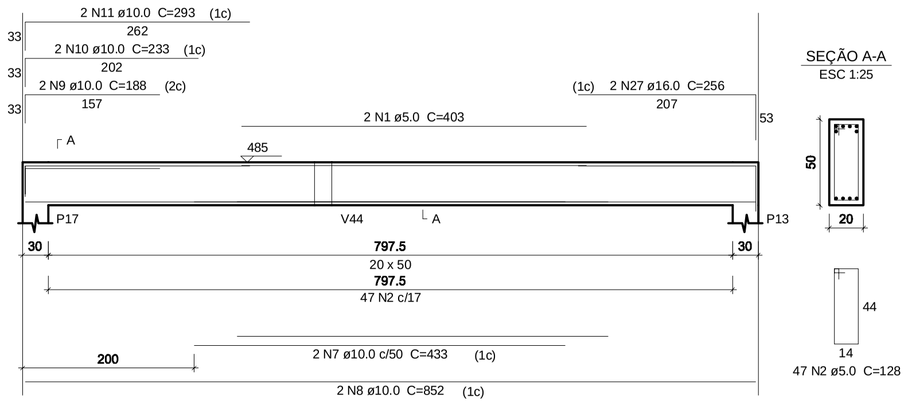
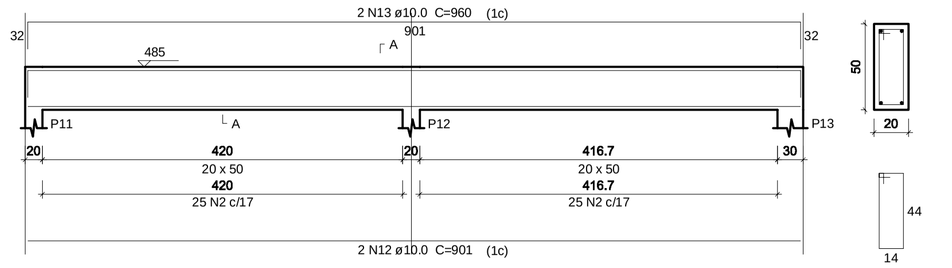
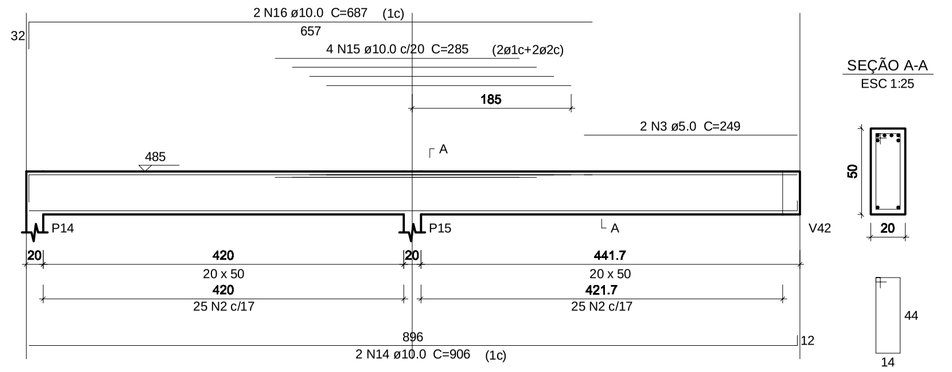
V42
ESC 1:50



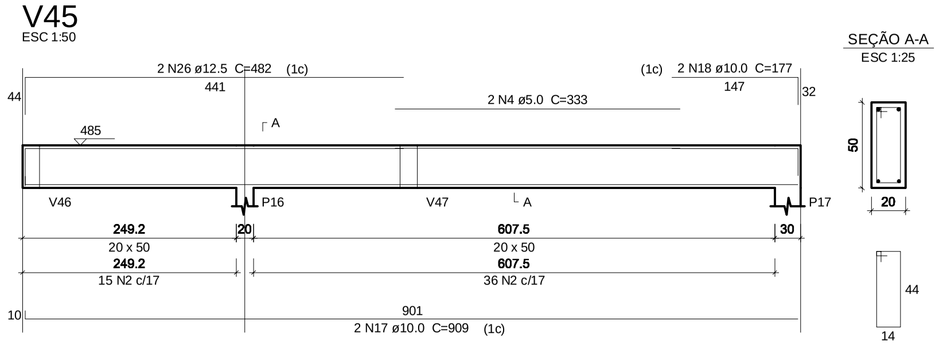
V43
ESC 1:50



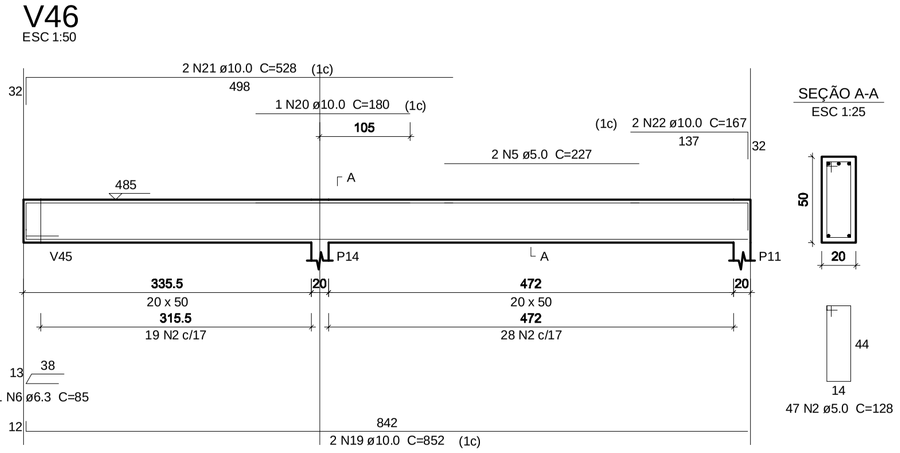
V44
ESC 1:50



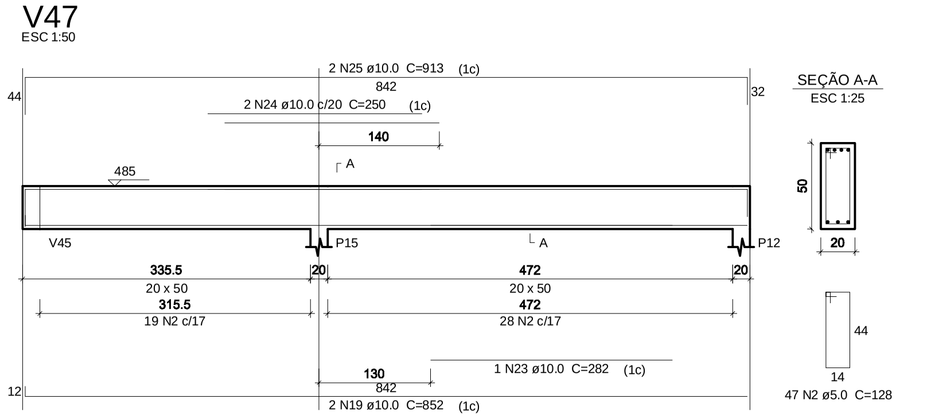
V45
ESC 1:50



V46
ESC 1:50



V47
ESC 1:50



Relação do aço

V42 V43 V44
V45 V46 V47

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	2	403	806
	2	5.0	292	128	37376
	3	5.0	2	249	498
	4	5.0	2	333	666
	5	5.0	2	227	454
CA50	6	6.3	1	85	85
	7	10.0	2	433	866
	8	10.0	2	852	1704
	9	10.0	2	188	376
	10	10.0	2	233	466
	11	10.0	2	293	586
	12	10.0	2	901	1802
	13	10.0	2	960	1920
	14	10.0	2	906	1812
	15	10.0	4	285	1140
	16	10.0	2	687	1374
	17	10.0	2	909	1818
	18	10.0	2	177	354
	19	10.0	4	852	3408
	20	10.0	1	180	180
	21	10.0	2	528	1056
	22	10.0	2	167	334
	23	10.0	1	282	282
	24	10.0	2	250	500
	25	10.0	2	913	1826
	26	12.5	2	482	964
	27	16.0	2	256	512

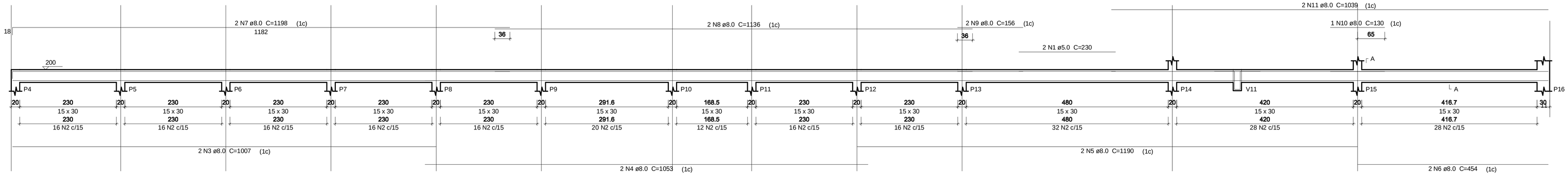
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	0.9	0.2
	10.0	218.1	147.9
	12.5	9.7	10.2
	16.0	5.2	8.9
CA60	5.0	398	67.5

PESO TOTAL (kg)	
CA50	167.2
CA60	67.5

Volume de concreto (C-30) = 5.27 m³
Área de forma = 63.21 m²

V2
ESC 1:50



Relação do aço

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL
CA60	1	5.0	2	230	
	2	5.0	232	78	18096
CA50	3	8.0	2	1007	2014
	4	8.0	2	1053	2106
	5	8.0	2	1190	2380
	6	8.0	2	454	908
	7	8.0	2	1198	2396
	8	8.0	2	1136	2272
	9	8.0	2	156	312
	10	8.0	1	130	130
		8.0	2	1039	2078
	12	10.0	1	189	189

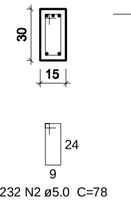
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	146	63.4
	10.0	1.9	1.3
CA60	5.0	185.6	31.5

PESO TOTAL (kg)	
CA50	64.6
CA60	31.5

Volume de concreto (C-30) = 1.65 m³
Área de forma = 27.43 m²

SEÇÃO A-A
ESC 1:25



(cm)
SUSPENSÃO V11
ESC 1:25

	DESCRIÇÃO		DATA	EXEC.	VERIF.	APROV.

CONTRATADA:
VIAVOZ LTDA

CONTRATO Nº

RT: SINVAL LADEIRA
REG. CREA: 28.498/D
PROJ.: ROGER WILLIAN ROSA
REG. CREA: 105.413/D
ASS.:
ASS.:
PROJ.:
REG. CREA:
ASS.:

viavoz

CONTRATANTE:
PREFEITURA MUNICIPAL DE JOÃO NEIVA

PROGRAMA:
REFORMA E AMPLIAÇÃO DA ANTIGA EMEI HILDA BRITO

MUNICÍPIO/ÁREA:
JOÃO NEIVA / ES

TÍTULO:
PROJETO ESTRUTURAL
DETALHE
REFORÇO PRÉDIO – CRAS
LAJE TÉRREO 1

DATA: DEZEMBRO/2018
ESCALA: INDICADA
PRANCHA: 4.10
ARQUIVO: