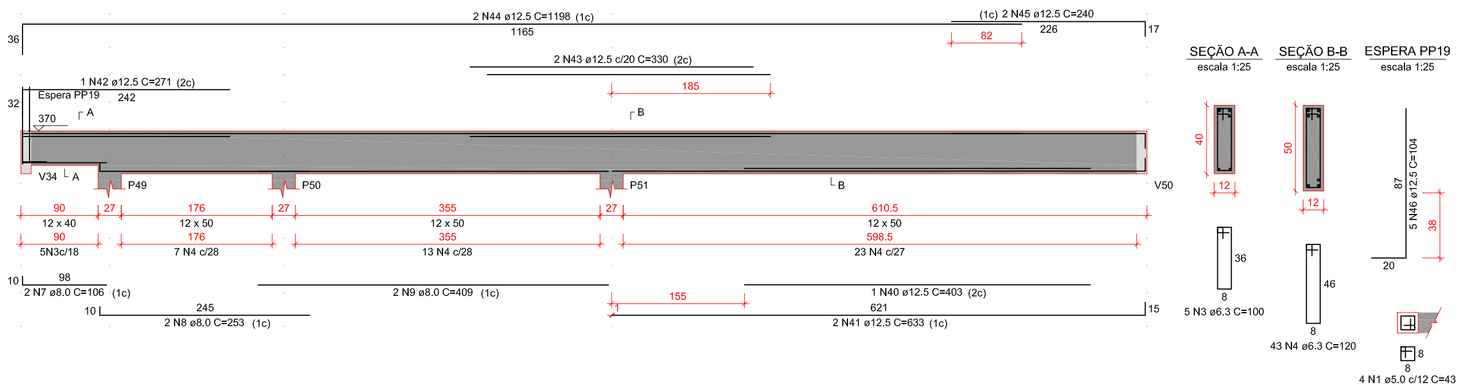
V19 (var)
escala 1:50

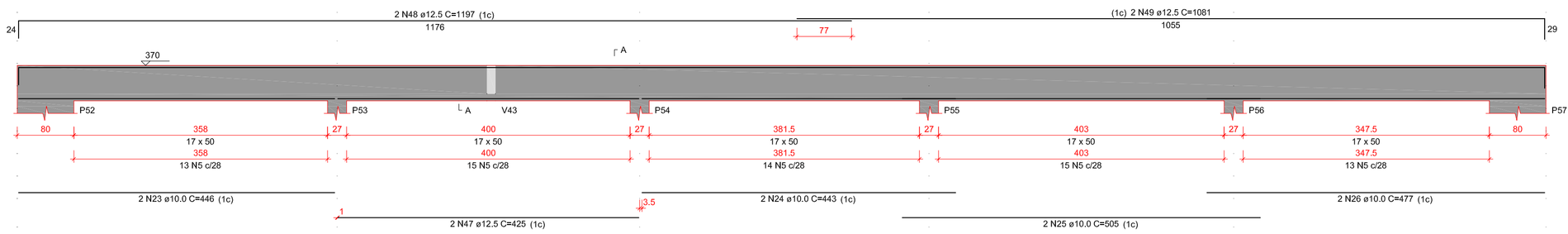


SEÇÃO A-A
escala 1:25

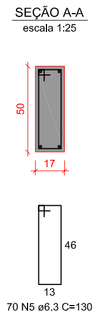
SEÇÃO B-B
escala 1:25

ESPERA PP19
escala 1:25

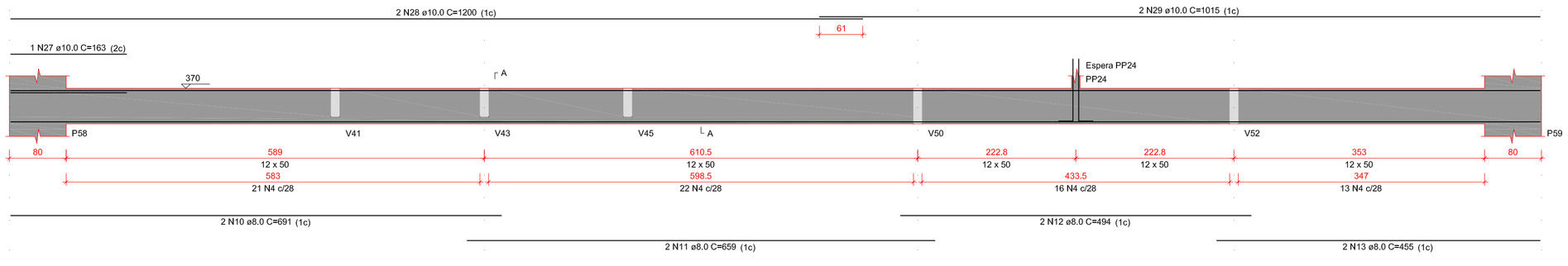
V20 (17 x 50)
escala 1:50



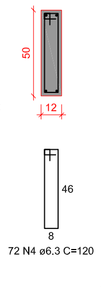
SEÇÃO A-A
escala 1:25



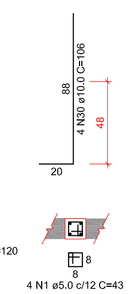
V21 (12 x 50)
escala 1:50



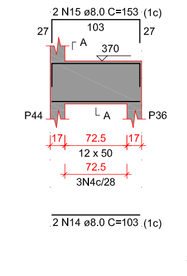
SEÇÃO A-A
escala 1:25



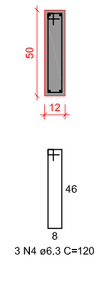
ESPERA PP24
escala 1:25



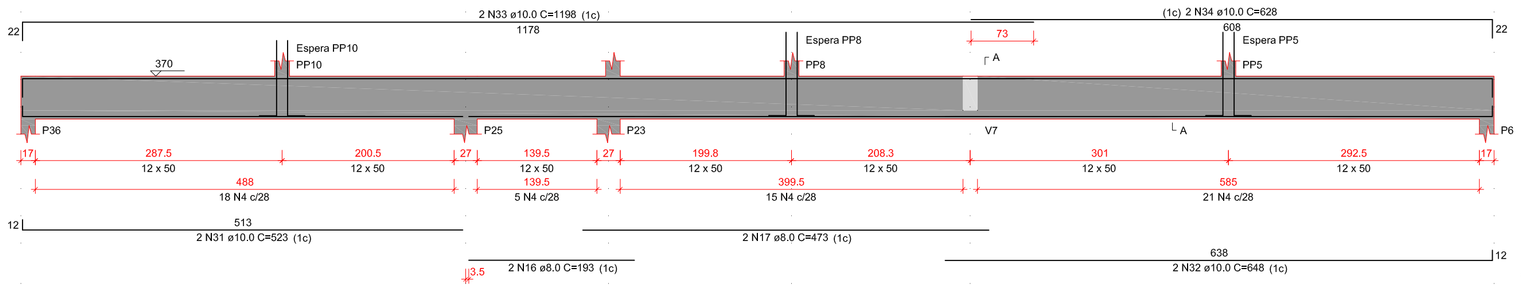
V22 (12 x 50)
escala 1:50



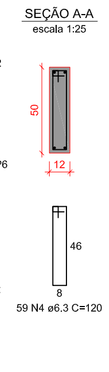
SEÇÃO A-A
escala 1:25



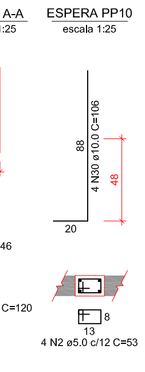
V23 (12 x 50)
escala 1:50



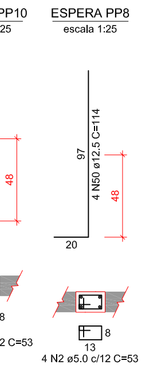
SEÇÃO A-A
escala 1:25



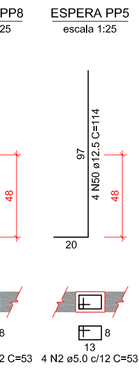
ESPERA PP10
escala 1:25



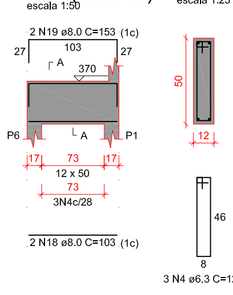
ESPERA PP8
escala 1:25



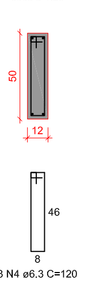
ESPERA PP5
escala 1:25



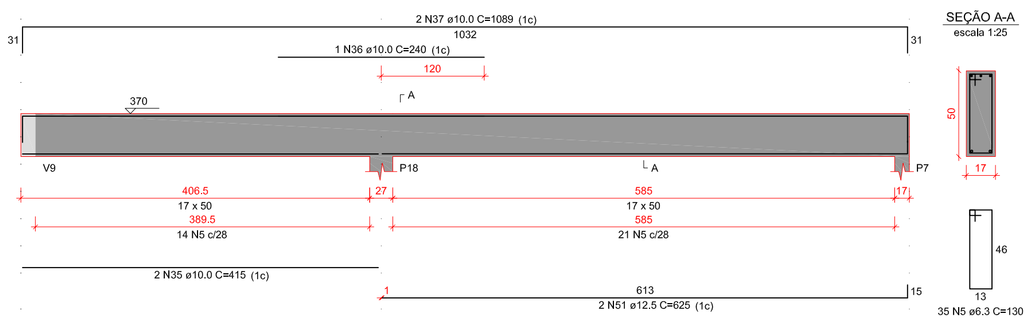
V24 (12 x 50)
escala 1:50



SEÇÃO A-A
escala 1:25

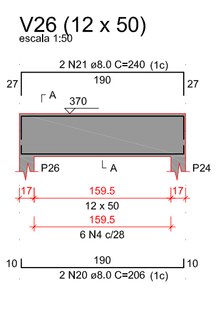


V25 (17 x 50)
escala 1:50

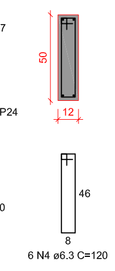


SEÇÃO A-A
escala 1:25

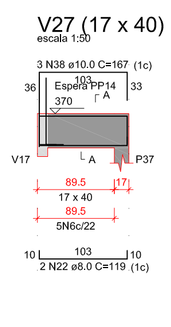
V26 (12 x 50)
escala 1:50



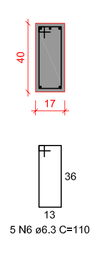
SEÇÃO A-A
escala 1:25



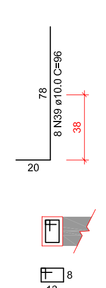
V27 (17 x 40)
escala 1:50



SEÇÃO A-A
escala 1:25



ESPERA PP14
escala 1:25



RELAÇÃO DO AÇO

V19 V20 V21
V22 V23 V24
V25 V26 V27

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	8	43	344
	2	5.0	16	53	848
CA50	3	6.3	5	100	500
	4	6.3	186	120	22320
	5	6.3	105	130	13650
	6	6.3	5	110	550
	7	8.0	2	106	212
	8	8.0	2	253	506
	9	8.0	2	409	818
	10	8.0	2	691	1382
	11	8.0	2	659	1318
	12	8.0	2	494	988
	13	8.0	2	455	910
	14	8.0	2	103	206
	15	8.0	2	153	306
	16	8.0	2	193	386
	17	8.0	2	473	946
	18	8.0	2	103	206
	19	8.0	2	153	306
	20	8.0	2	206	412
	21	8.0	2	240	480
	22	8.0	2	119	238
	23	10.0	2	446	892
	24	10.0	2	443	886
	25	10.0	2	505	1010
	26	10.0	2	477	954
	27	10.0	1	163	163
	28	10.0	2	1200	2400
	29	10.0	2	1015	2030
	30	10.0	8	106	848
	31	10.0	2	523	1046
	32	10.0	2	648	1296
	33	10.0	2	1198	2396
	34	10.0	2	628	1256
	35	10.0	2	415	830
	36	10.0	1	240	240
	37	10.0	2	1089	2178
	38	10.0	3	167	501
	39	10.0	8	96	768
	40	12.5	1	403	403
	41	12.5	2	633	1266
	42	12.5	1	271	271
	43	12.5	2	330	660
	44	12.5	2	1198	2396
	45	12.5	2	240	480
	46	12.5	5	104	520
	47	12.5	2	425	850
	48	12.5	2	1197	2394
	49	12.5	2	1081	2162
	50	12.5	8	114	912
	51	12.5	2	625	1250

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT+10% (Barras)	PESO+10% (kg)
CA50	6.3	369.6	34	99.7
	8.0	96.2	9	41.8
	10.0	196.9	19	133.6
	12.5	135.7	13	143.9
CA60	5.0	12	2	2

PESO TOTAL (kg)	
CA50	418.9
CA60	2

Volume de concreto (C-25) = 6.13 m³
Área de forma = 100.85 m²

REVISÕES

NÚMERO	COMENTÁRIOS	DATA	AUTOR
<>	<>	<>	<>

PROJETARE engenharia
Marca Registrada • Todos os direitos reservados [INPI nº 907067611]

CLIENTE/CONTRATANTE:
TRIBUNAL REGIONAL DO TRABALHO DA 9a REGIÃO

TÍTULO/EMPREENDIMENTO:
VARA DO TRABALHO DE DOIS VIZINHOS

TIPO DE OBRA/SERVIÇO:
EDIFICAÇÃO PARA FINS INSTITUCIONAIS

ENDEREÇO:
RUA RIO GRANDE DO NORTE - DOIS VIZINHOS - PARANÁ

DIMENSÕES DA FOLHA:	CONTRATO:	CÓDIGO:	ÁREA DO PROJETO:
841x594mm	22/2018	39618	629,85 m2
ESCALA DE PLOTAGEM:	**DATA:**	**DESENHO:**	**ART:**
INDICADA	20/08/2018	SÉRGIO	20182850173
PAVIMENTO:		**DISCIPLINA:**	
TÉRREO		ESTRUTURA EM CONCRETO ARMADO	

CONTEÚDO DA PRANCHA:
DETALHAMENTOS

PROJETARE ENGENHARIA LTDA
CREA PR-43596 / CAU 37134-3
Avenida Florianópolis, 530 - sala 41 - Alvorada
Francisco Beltrão – PR - CEP 85.601-560
Tel: (46) 3524 7920
facebook: projetareeng
Instagram: #ouprojetare

SÉRGIO V. GALVÃO JUNIOR
ENG. CIVIL - CREA PR-74520/D
RESP. TÉCNICO COORDENAÇÃO

SÉRGIO V. GALVÃO JUNIOR
ENG. CIVIL - CREA PR-74520/D
RESP. TÉCNICO PROJETO

CONJUNTO: 3/8
PRANCHA: 20/31

desenho gerado no CAD dia 20/08/2018

NOME	COR	PENA
RED		0.10
YELLOW		0.20
GREEN		0.30
CYAN	PRETO	0.35
BLUE		0.40
MAGENTA		0.50
WHITE		0.20
08		0.10
09	COR	0.20
30AND		0.15

C:\PROJETOS\ARQUIVOS PROJETARE\Projetos em andamento\39618_TRT RO e DV - pregao 12-2018\TRT Dois Vizinhos\Desenhos\Estrutura em concreto armado\Det vigas cobertura - Folha 3.cad

1. O contrato para elaboração de um projeto não implica a obrigação de executá-lo, ou de fiscalizar-lhe a execução. [Lei 10.406/02 Cap. VIII Art. 610 §2°]
2. Os direitos de autoria de um projeto, respeitadas as relações contratuais, são do profissional que os elabora. [Lei 5.194/66 Cap. II Art. 17]