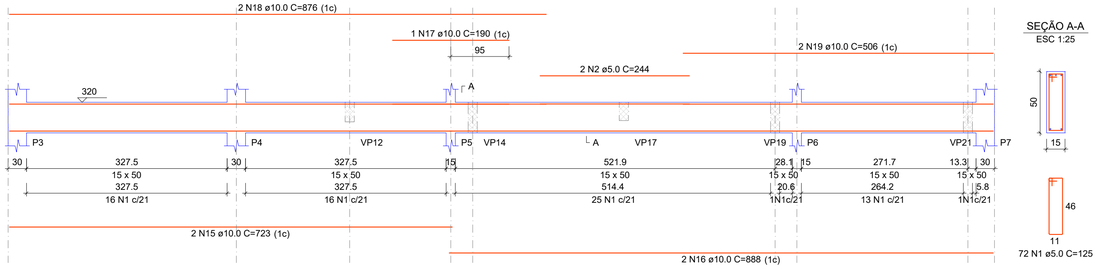
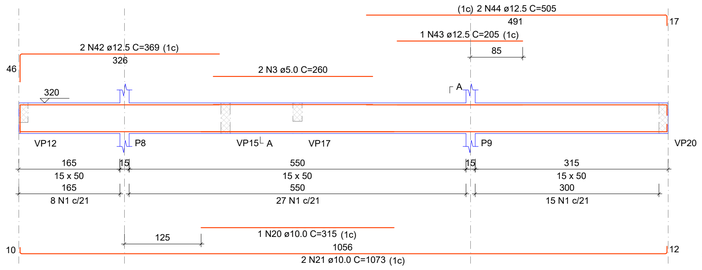
VP3
ESC 1:50



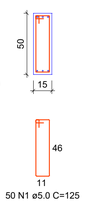
SEÇÃO A-A
ESC 1:25

72 N1 ø5.0 C=125

VP4
ESC 1:50

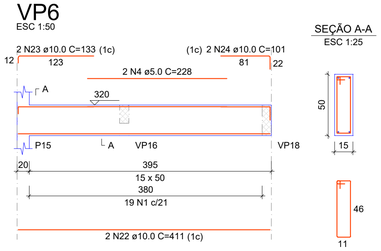


SEÇÃO A-A
ESC 1:25



50 N1 ø5.0 C=125

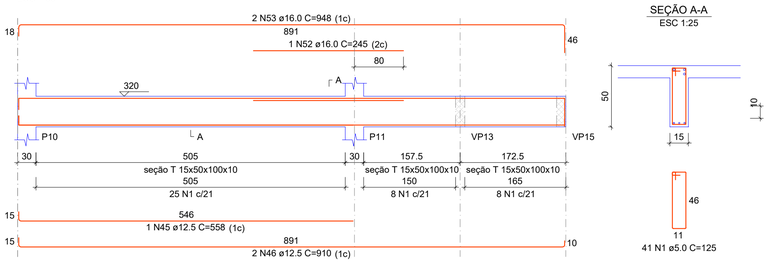
VP6
ESC 1:50



SEÇÃO A-A
ESC 1:25

19 N1 ø5.0 C=125

VP5
ESC 1:50

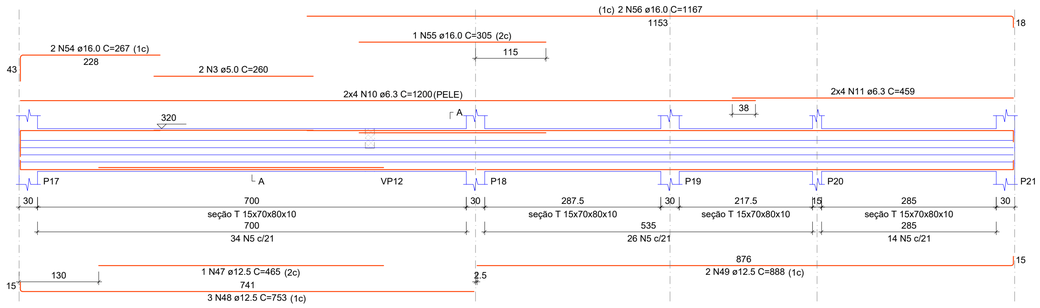


SEÇÃO A-A
ESC 1:25

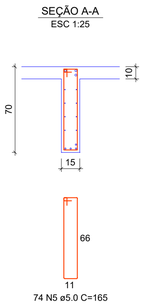
41 N1 ø5.0 C=125

As costura 2 cm2/m

VP7
ESC 1:50



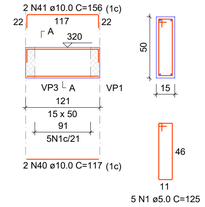
SEÇÃO A-A
ESC 1:25



74 N5 ø5.0 C=165

As costura 1.8 cm2/m

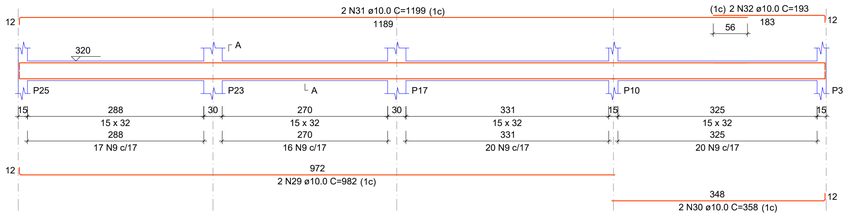
VP14
ESC 1:50



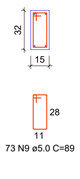
SEÇÃO A-A
ESC 1:25

5 N1 ø5.0 C=125

VP11
ESC 1:50

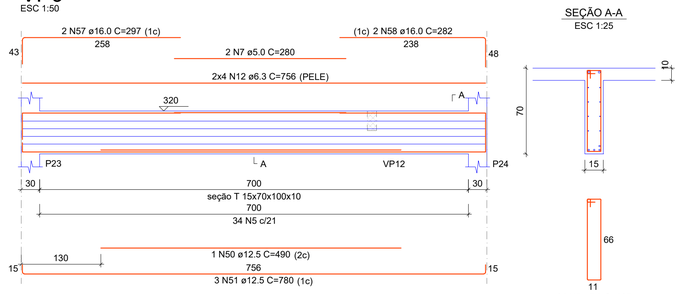


SEÇÃO A-A
ESC 1:25



73 N9 ø5.0 C=89

VP9
ESC 1:50

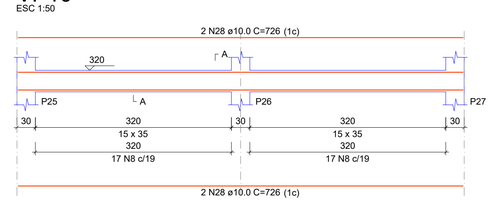


SEÇÃO A-A
ESC 1:25

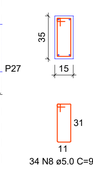
34 N5 ø5.0 C=165

As costura 1.8 cm2/m

VP10
ESC 1:50

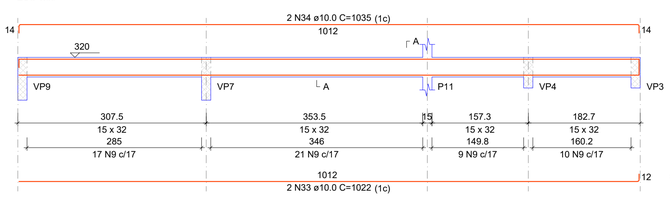


SEÇÃO A-A
ESC 1:25

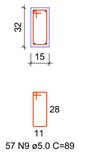


34 N8 ø5.0 C=95

VP12
ESC 1:50

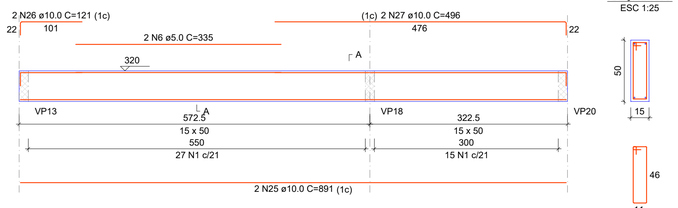


SEÇÃO A-A
ESC 1:25



57 N9 ø5.0 C=89

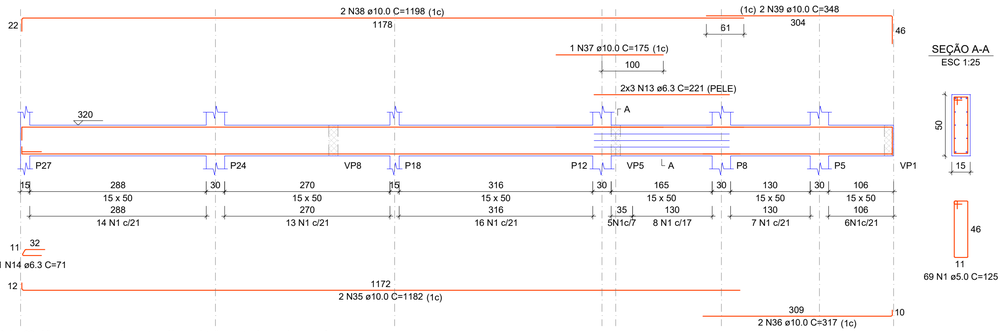
VP8
ESC 1:50



SEÇÃO A-A
ESC 1:25

42 N1 ø5.0 C=125

VP13
ESC 1:50



SEÇÃO A-A
ESC 1:25

69 N1 ø5.0 C=125

Aviso 06 - Viga com apoios sobrepostos. Ajustar detalhamento de acordo com a forma.

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	207.2	55.8
	10.0	322.4	218.6
	12.5	116.6	123.6
	16.0	64.7	112.4
CA60	5.0	730.8	123.9

PESO TOTAL (kg)

CA50	510.3
CA60	123.9

Volume de concreto (C-35) = 10.87 m³
Área de forma = 112.34 m²

RELAÇÃO DO AÇO

VP3 VP4 VP5
VP6 VP7 VP8
VP9 VP10 VP11
VP12 VP13 VP14

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	298	125	37250
	2	5.0	2	244	488
	3	5.0	4	260	1040
	4	5.0	2	228	456
	5	5.0	108	165	17820
	6	5.0	2	335	670
	7	5.0	2	280	560
	8	5.0	34	95	3230
	9	5.0	130	89	11570
CA50	10	6.3	8	1200	9600
	11	6.3	8	459	3672
	12	6.3	8	756	6048
	13	6.3	6	221	1326
	14	6.3	1	71	71
	15	10.0	2	723	1446
	16	10.0	2	888	1776
	17	10.0	1	190	190
	18	10.0	2	876	1752
	19	10.0	2	506	1012
	20	10.0	1	315	315
	21	10.0	2	1073	2146
	22	10.0	2	411	822
	23	10.0	2	133	266
	24	10.0	2	101	202
	25	10.0	2	891	1782
	26	10.0	2	121	242
	27	10.0	2	496	992
	28	10.0	4	726	2904
	29	10.0	2	982	1964
	30	10.0	2	358	716
	31	10.0	2	1199	2398
	32	10.0	2	193	386
	33	10.0	2	1022	2044
	34	10.0	2	1035	2070
	35	10.0	2	1182	2364
	36	10.0	2	317	634
	37	10.0	1	175	175
	38	10.0	2	1198	2396
	39	10.0	2	348	696
	40	10.0	2	117	234
	41	10.0	2	156	312
	42	12.5	2	369	738
	43	12.5	1	205	205
	44	12.5	2	505	1010
	45	12.5	1	558	558
	46	12.5	2	910	1820
	47	12.5	1	465	465
	48	12.5	3	753	2259
	49	12.5	2	888	1776
	50	12.5	1	490	490
	51	12.5	3	780	2340
	52	16.0	1	245	245
	53	16.0	2	948	1896
	54	16.0	2	267	534
	55	16.0	1	305	305
	56	16.0	2	1167	2334
	57	16.0	2	297	594
	58	16.0	2	282	564

ANOTAÇÕES/APROVAÇÕES:

1. PROJETO ESTRUTURAL ELABORADO DE ACORDO COM AS NORMAS TÉCNICAS ABNT NBR 6118, NBR 6120 E NBR 6122;
2. OBSERVAR O FCK DO CONCRETO NAS PRANCHAS;
3. É DE RESPONSABILIDADE DOS EXECUTORES SEGUIR AS NORMAS VIGENTES PARA UMA EXECUÇÃO ADEQUADA, GARANTINDO O PERFEITO FUNCIONAMENTO E ESTABILIDADES DOS SISTEMAS PROJETADOS.

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par_engenharia
par.eng@outlook.com

PROJETO ESTRUTURAL

EDIFICAÇÃO:
EDIFICAÇÃO COMERCIAL DA CIDIRIOS - CONFORME PROCESSO LICITATÓRIO Nº 81/2025.

ENDEREÇO:
ROD. SC 480, KM 58, INTERIOR, IPUAÇU, ESTADO DE SANTA CATARINA .

CONTEÚDO:
DETALHES VIGAS PAVIMENTO SUPERIOR (VP)

PROPRIETÁRIO/CONTRATANTE:
CONSÓRCIO INTERMUNICIPAL DE DESENVOLVIMENTO DA INFRAESTRUTURA RODOVIÁRIA ENTRE OS RIOS - CIDIRIOS
CNPJ: 42.973.647/0001-40

ÁREA TOTAL: 318,60 m²
PAVIMENTOS: 02
DATA: AGOSTO/2025
PRANCHA: EST 08 de 16

RESPONSÁVEIS TÉCNICOS:
ANDRESSA CORRADI PIEROZAN
CREA/SC: 188.360-1

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