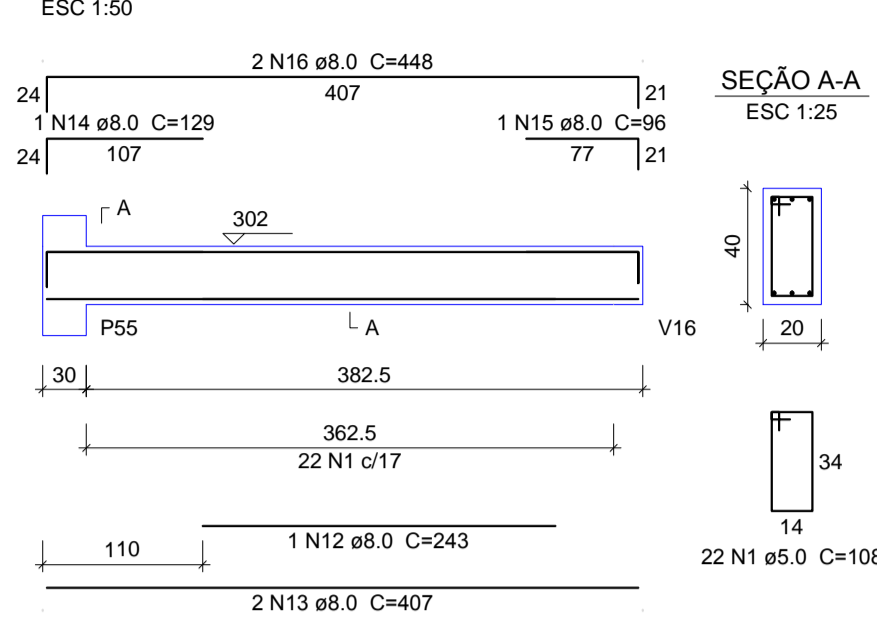
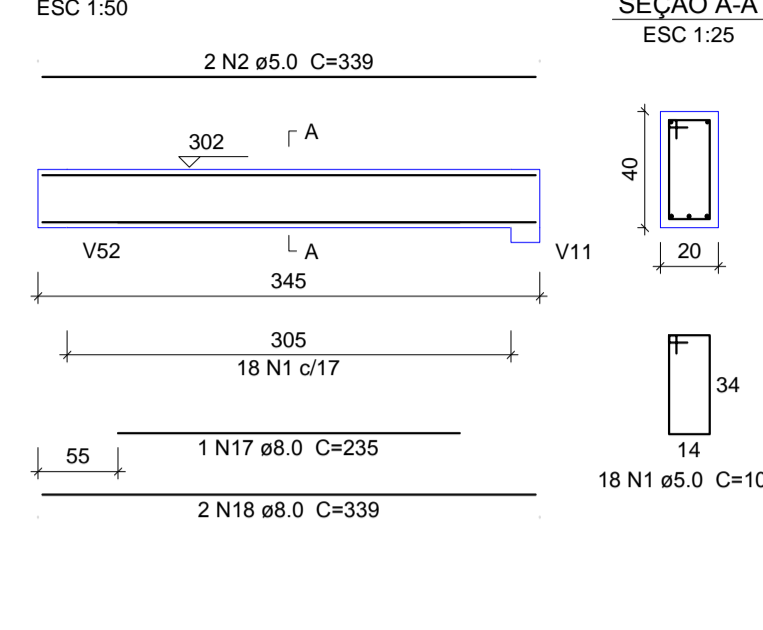


Relação do aço

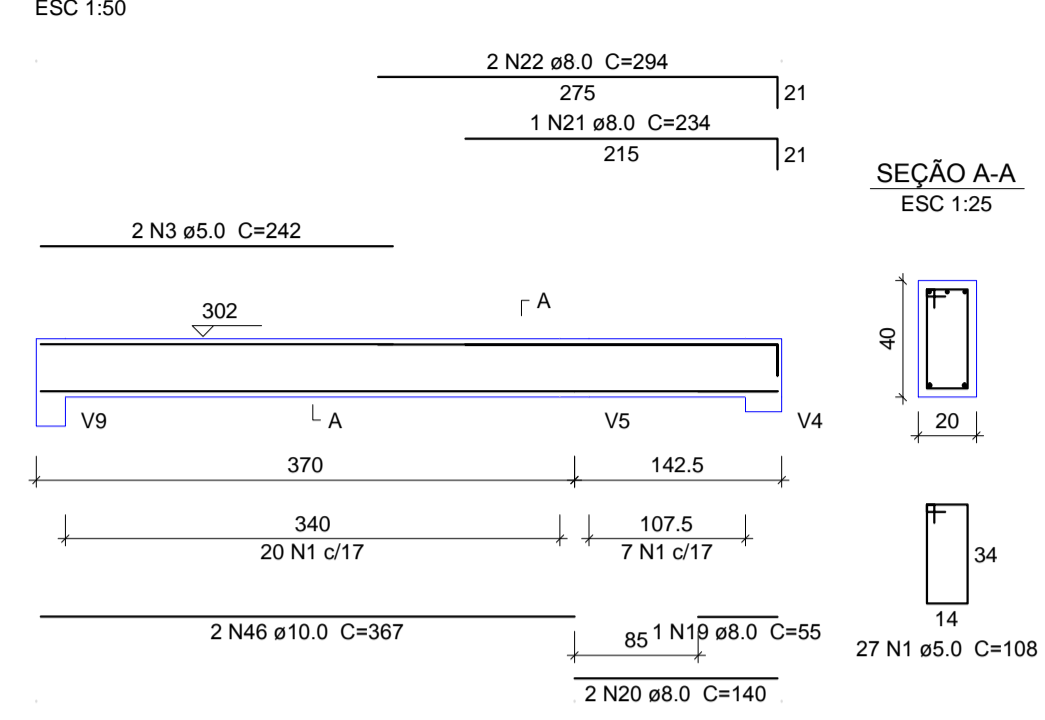
V40



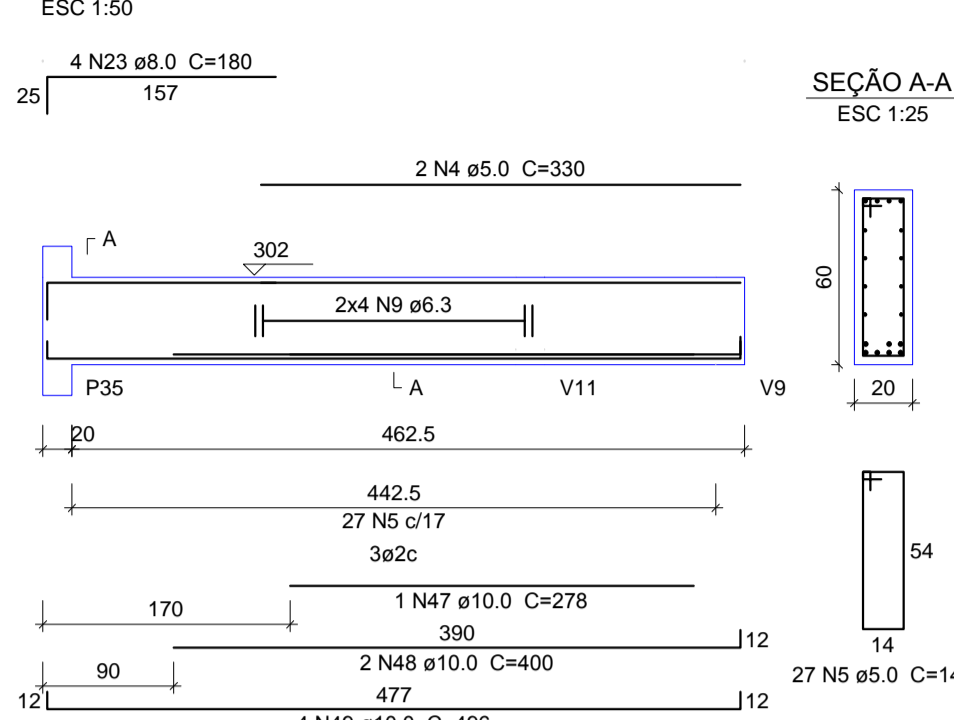
V43



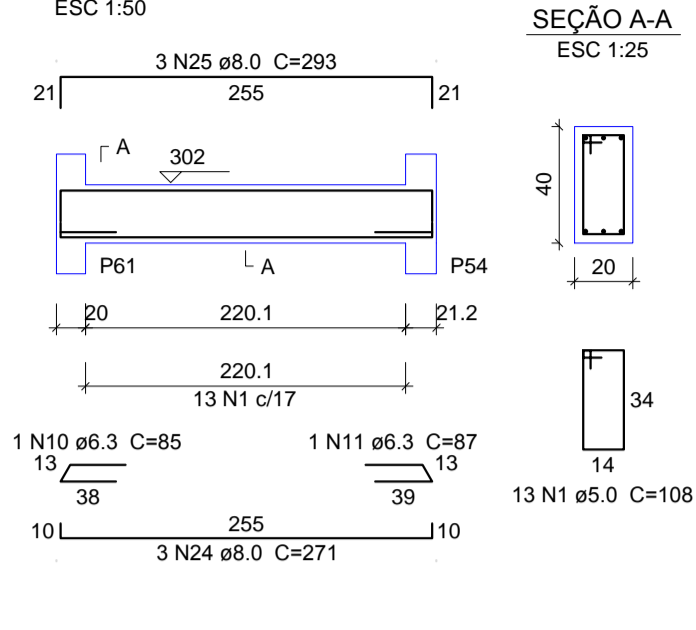
V44



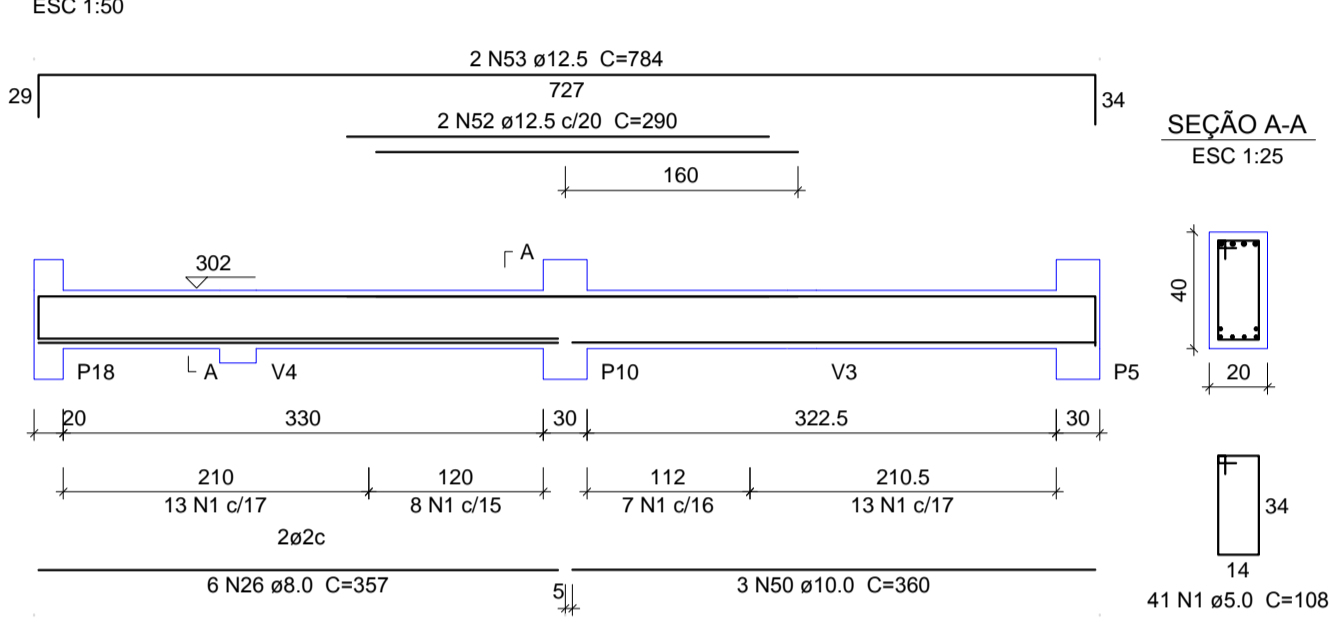
V45



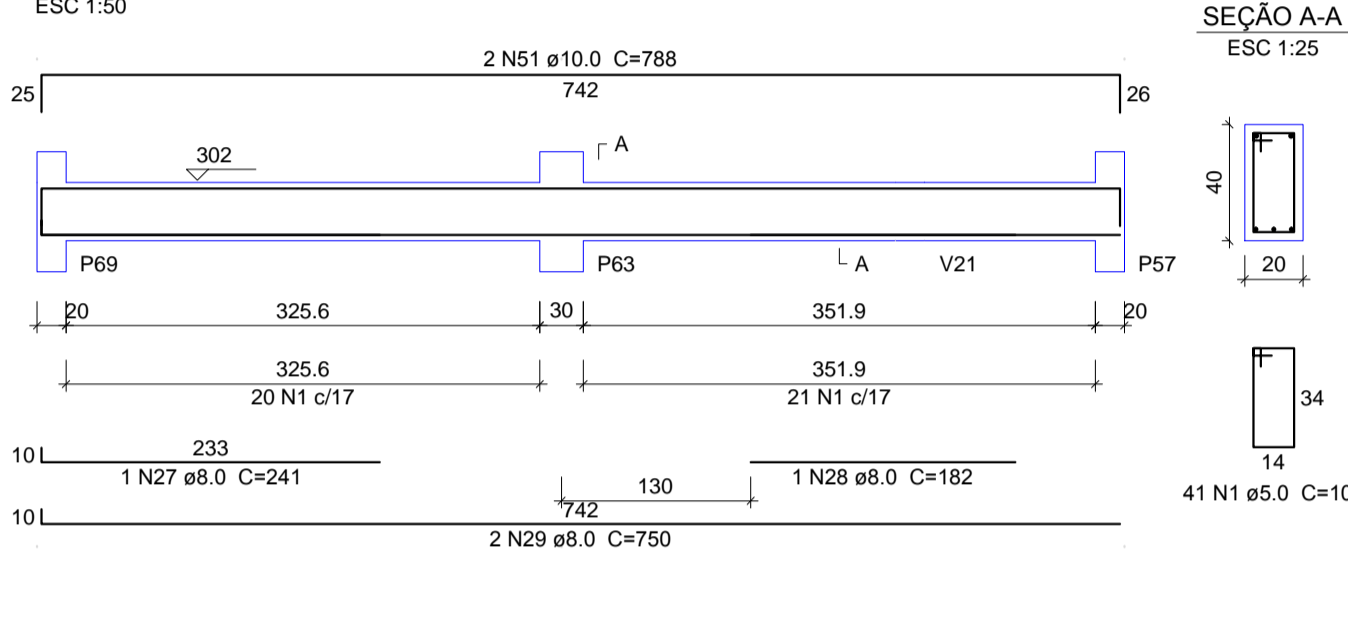
V50



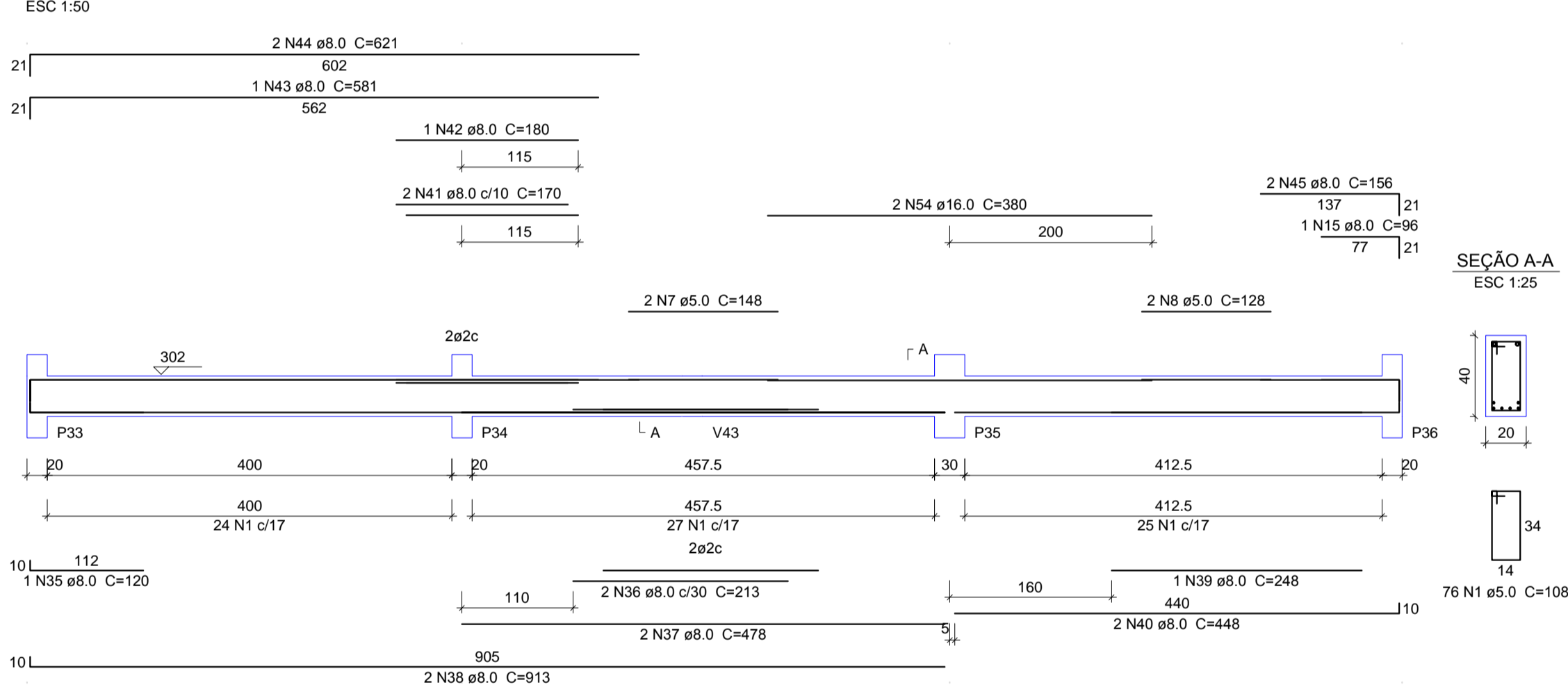
V46



V47



V52



ÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	251	108	27108
	2	5.0	2	339	678
	3	5.0	2	242	484
	4	5.0	2	330	660
	5	5.0	27	148	3996
	6	5.0	16	88	1408
	7	5.0	2	148	296
	8	5.0	2	128	256
CA50	9	6.3	8	CORR	3544
	10	6.3	2	85	170
	11	6.3	1	87	87
	12	8.0	1	243	243
	13	8.0	2	407	814
	14	8.0	1	129	129
	15	8.0	3	96	288
	16	8.0	2	448	896
	17	8.0	1	235	235
	18	8.0	2	339	678
	19	8.0	1	55	55
	20	8.0	2	140	280
	21	8.0	1	234	234
	22	8.0	2	294	588
	23	8.0	4	180	720
	24	8.0	3	271	813
	25	8.0	3	293	879
	26	8.0	6	357	2142
	27	8.0	1	241	241
	28	8.0	1	182	182
	29	8.0	2	750	1500
	30	8.0	1	140	140
	31	8.0	2	262	524
	32	8.0	3	292	876
	33	8.0	2	280	560
	34	8.0	2	316	632
	35	8.0	1	120	120
	36	8.0	2	213	426
	37	8.0	2	478	956
	38	8.0	2	913	1826
	39	8.0	1	248	248
	40	8.0	2	448	896
	41	8.0	2	170	340
	42	8.0	1	180	180
	43	8.0	1	581	581
	44	8.0	2	621	1242
	45	8.0	2	156	312
	46	10.0	2	367	734
	47	10.0	1	278	278
	48	10.0	2	400	800
	49	10.0	4	496	1984
	50	10.0	3	360	1080
	51	10.0	2	788	1576
	52	12.5	2	290	580
	53	12.5	2	784	1568
	54	16.0	2	380	760

Resumo do aço

ÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	38.1	10.2
	8.0	207.8	90.2
	10.0	64.6	43.8
	12.5	21.5	22.8
	16.0	7.6	13.2
CA60	5.0	348.9	59.1
PESO TOTAL (kg)			
CA50		180.1	
CA60		59.1	

Volume de concreto (C-30) = 4.45 m³
Área de forma = 55.29 m²



BERARDI ENGENHARIA & CONSTRUÇÕES LTDA.

Rua Capitão Eteuterio, 610, Sala 406, Edifício Centro Executivo, Passo Fundo/RS 99010-060
berardiengenharia@gmail.com (54) 3333 9870 - (54) 9994 0937
CNPJ: 13.425.382/0001-47

RESPONSÁVEL TÉCNICO: CONTRATANTE:
Jean Berardi Manica Prefeitura Municipal de Jóia
Engº Civil CREA-RS 133.545-D Cnpj: 89.650.121/0001-92

PROJETO: PROJETO ESTRUTURAL

CONTEÚDO DA PRANCHA: FERRAGEM VIGAS BALDRAME PAVIMENTO TÉRREO 04

ENDEREÇO DA OBRA: Rua Dr. Edmar Kruehl - Nº 188 - Centro - Jóia/RS
PRANCHA: E-11
PROJETISTA: Jean Berardi ESCALA: 1/50 DATA: Agosto de 2017 ÁREA DO PROJETO: 1.138,11 m²

DIREITOS AUTORAIS RESERVADOS CONFORME ARTIGO 184 DO CÓDIGO PENAL LEI 9610 DE 19/02/1998 E RESOLUÇÃO CONFEA 205/71