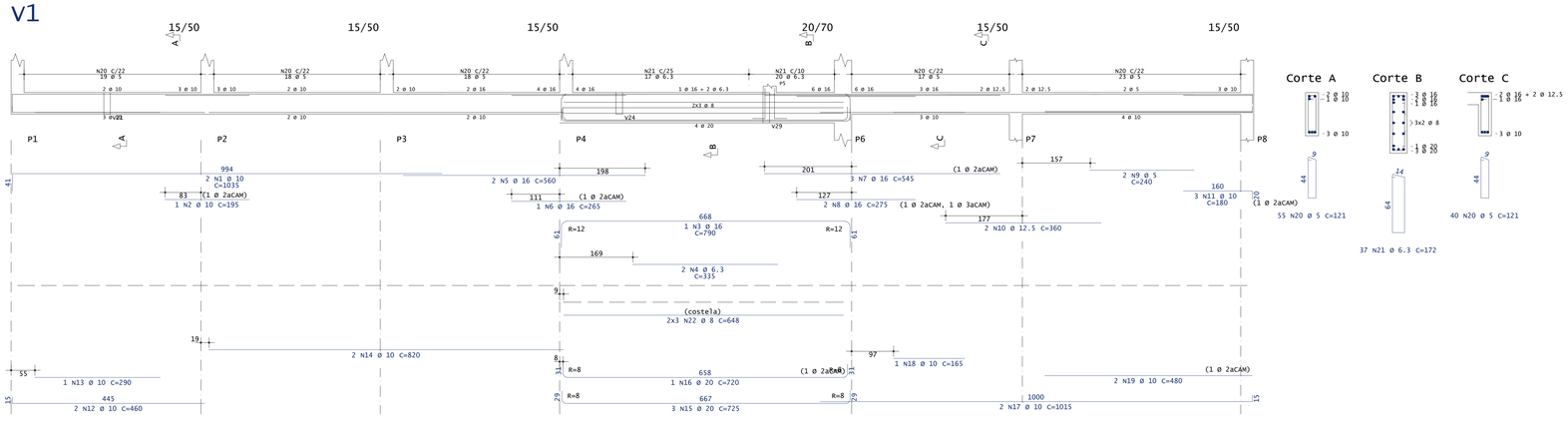
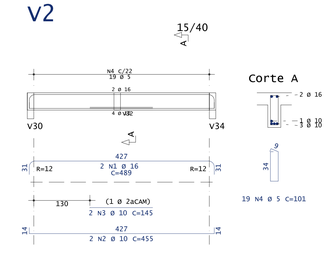
v1



v2



AÇO	POS	BIT mm	QUANT	COMPRIMENTO UNIT cm	COMPRIMENTO TOTAL cm
v1					
50A	1	10	2	1035	2070
50A	2	10	1	195	195
50A	3	16	1	790	790
50A	4	6.3	2	335	670
50A	5	16	2	560	1120
50A	6	16	1	265	265
50A	7	16	3	545	1635
50A	8	16	2	275	550
60A	9	5	2	240	480
50A	10	12.5	2	360	720
50A	11	10	3	180	540
50A	12	10	2	460	920
50A	13	10	1	290	290
50A	14	10	2	820	1640
50A	15	20	3	725	2175
50A	16	20	1	720	720
50A	17	10	2	1015	2030
50A	18	10	1	165	165
50A	19	10	2	480	960
60A	20	5	95	121	11495
50A	21	6.3	37	172	6364
50A	22	8	6	648	3888
v2					
50A	1	16	2	489	978
50A	2	10	2	455	910
50A	3	10	2	145	290
60A	4	5	19	101	1919
v3					
60A	1	5	2	490	980
50A	2	12.5	2	500	1000
50A	3	12.5	1	360	360
50A	4	6.3	2	75	150
60A	5	5	20	121	2420
v4					
50A	1	12.5	2	240	480
50A	2	12.5	2	200	400
60A	3	5	7	121	847
v5					
60A	1	5	2	395	790
50A	2	10	2	160	320
50A	3	12.5	2	515	1030
50A	4	12.5	1	395	395
50A	5	6.3	2	75	150
60A	6	5	21	121	2541
v6					
50A	1	10	3	377	1131
60A	2	5	2	240	480
50A	3	12.5	2	410	820
50A	4	12.5	2	240	480
50A	5	10	3	180	540
50A	6	10	3	416	1248
50A	7	16	2	575	1150
60A	8	5	40	121	4840
v7					
60A	1	5	2	220	440
50A	2	10	2	185	370
50A	3	10	2	270	540
50A	4	16	1	705	705
50A	5	16	6	425	2550
50A	6	16	2	985	1970
50A	7	16	2	435	870
50A	8	10	3	195	585
50A	9	10	2	485	970
50A	10	10	1	370	370
50A	11	10	2	845	1690
50A	12	25	2	725	1450
50A	13	25	2	635	1270
50A	14	25	2	385	770
50A	15	10	4	130	520
50A	16	10	8	104	832
60A	17	5	56	121	6776
50A	18	6.3	19	172	3268
60A	19	8	6	174	1044
50A	20	10	20	179	3580
50A	21	10	6	658	3948
v8					
50A	1	12.5	2	497	994
50A	2	10	1	225	225
50A	3	12.5	2	455	910
50A	4	10	1	370	370
50A	5	6.3	2	75	150
60A	6	5	19	141	2679
v9					
50A	1	12.5	2	250	500
50A	2	16	2	822	1644
50A	3	16	1	260	260
50A	4	16	1	420	420
50A	5	12.5	2	979	1958
50A	6	10	1	455	455
60A	7	5	55	121	6655
60A	8	5	4	569	2276
v10					
50A	1	10	3	518	1554
60A	2	5	2	390	780
50A	3	6.3	2	275	550
50A	4	10	2	525	1050
50A	5	10	1	255	255
50A	6	25	2	605	1210
50A	7	25	2	420	840
50A	8	12.5	2	518	1036
50A	9	20	2	400	800
50A	10	20	1	315	315
50A	11	12.5	2	200	400
50A	12	10	2	365	730
50A	13	10	1	650	650
50A	14	10	2	845	1690
50A	15	20	2	735	1470
50A	16	20	2	600	1200
50A	17	10	2	375	750
50A	18	10	1	185	185
50A	19	16	2	680	1360
50A	20	16	2	495	990
60A	21	5	93	151	14043
50A	22	6.3	36	172	6192
50A	23	12.5	16	166	2656
50A	24	6.3	8	152	1216
50A	25	8	13	154	2002
50A	26	6.3	6	342	2052
50A	27	6.3	6	854	5124
50A	28	8	6	648	3888
60A	29	5	6	639	3834
v11					
50A	1	12.5	3	300	900
50A	2	16	2	240	480
50A	3	8	2	90	180
50A	4	6.3	7	276	1932
50A	5	8	10	222	2220

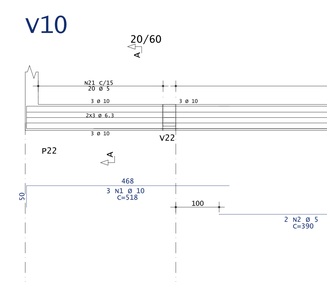
RESUMO DE AÇO			
AÇO	BIT mm	COMPR m	PESO kgf
60A	5	557	86
50A	6.3	204	50
50A	8	171	67
50A	10	316	195
50A	12.5	144	139
50A	16	207	326
50A	20	62	153
50A	25	54	209
Peso Total		60A =	86 kgf
Peso Total		50A =	1139 kgf

CONCRETO
fck 30 MPa = 300 kgf/cm²
cobrimento mínimo armadura = 3cm

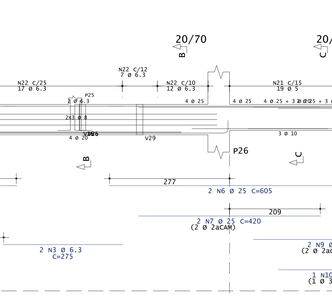
TRAÇO CONCRETO
Verificar memorial ou com engenheiro responsável pela execução

CARGAS UTILIZADAS
De acordo com a NBR 6120
Laje utilizada : Maciça e Nervurada com EPS
DÚVIDAS E PROBLEMAS CONCRETAGEM
Verificar Especificações Técnicas
Consultar Projetista

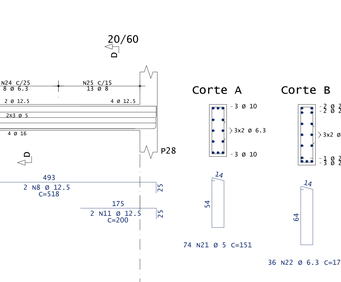
v3



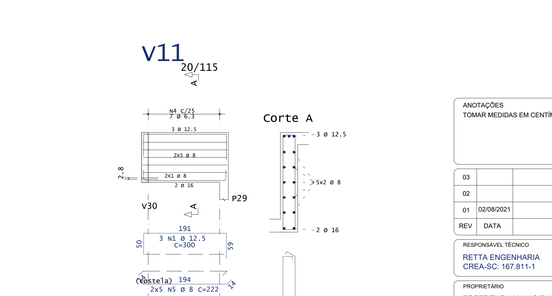
v4



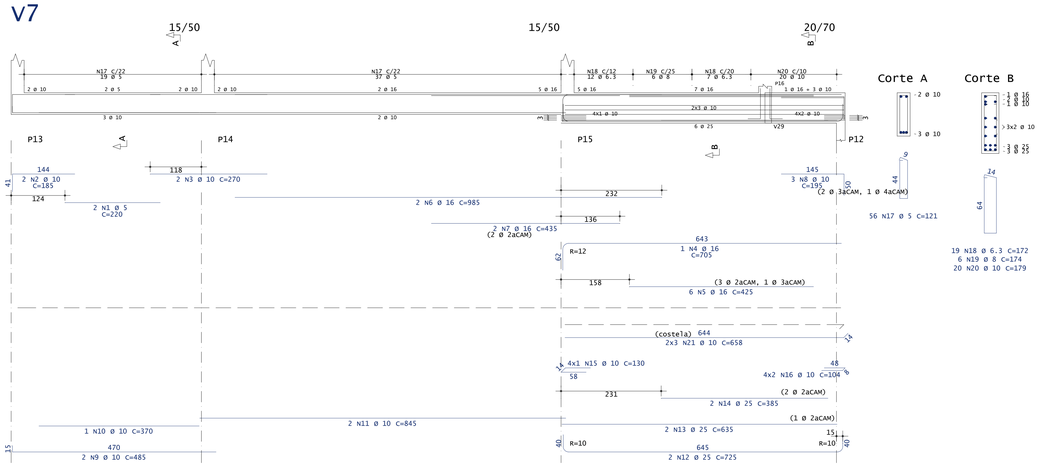
v5



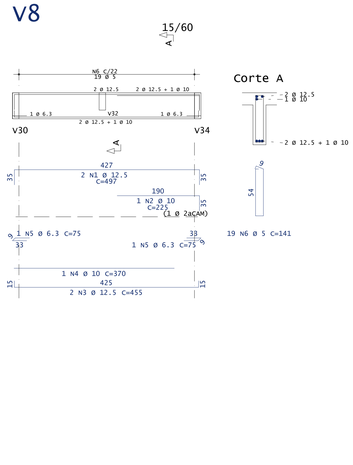
v6



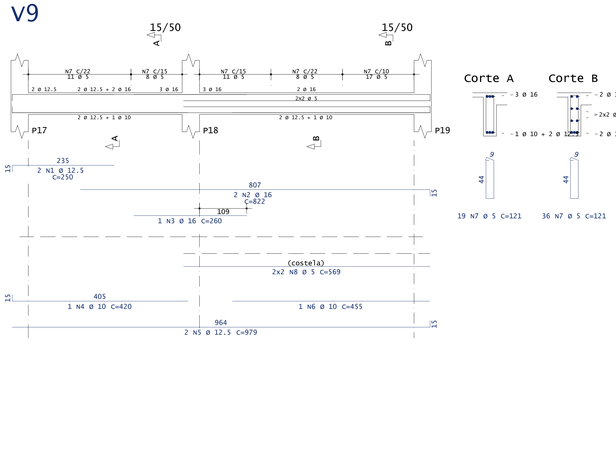
v7



v8



v9



v10

v11

ANOTAÇÕES
TOMAR MEDIDAS EM CENTÍMETROS (cm);

03			
02			
01	02/08/2021	EMISSÃO INICIAL	RENATO
REV	DATA	REVISÃO	RESP.

RESPONSÁVEL TÉCNICO: RETTA ENGENHARIA
CREA-SC: 167.811-1
ASSINATURA: RETTA ENGENHARIA LTDA:34290407000112 — Assinado de forma digital por RETTA ENGENHARIA LTDA:34290407000112 Dados: 2022.01.18 16:31:29 -03'00'

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE XAXIM-SC
CNPJ Nº: 82.854.670/0001-30
ASSINATURA: EDILSON ANTONIO FOLLE:50959670904 — Assinado de forma digital por EDILSON ANTONIO FOLLE:50959670904 Dados: 2022.03.10 07:13:54 -03'00'

RETTA ENGENHARIA

OBRA: AMPLIAÇÃO CASA DA CULTURA
DESCRIÇÃO: DETALHAMENTO DE ARMADURA DE VIGAS PAVIMENTO TÉRREO
PROJETO: RENATO VARNIER
ESCALA: 1:25
DATA: 02/08/2021
PRANCHA: 17
PRANCHA / ARQUIVO: ESTRUTURAL CASA DA CULTURA XAXIM

E-MAIL: rettaengenharia@outlook.com.br FONE: (49) 98847-2742 /(49) 98826-0220