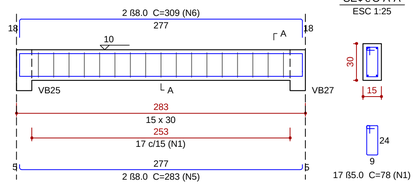
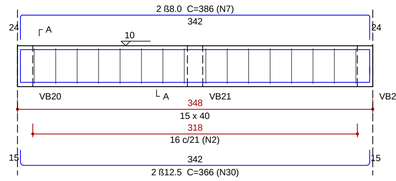
VB11
ESC 1:30

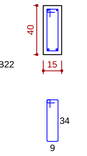


SE¢ëO A-A
ESC 1:25

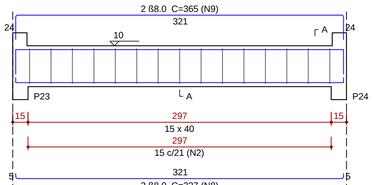
VB12
ESC 1:30



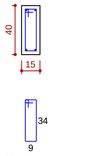
SE¢ëO A-A
ESC 1:25



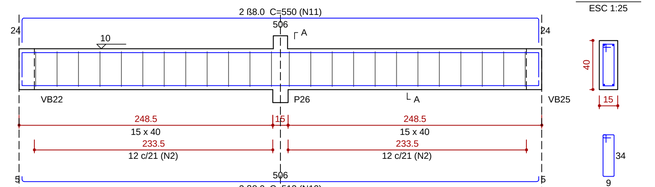
VB13
ESC 1:30



SE¢ëO A-A
ESC 1:25

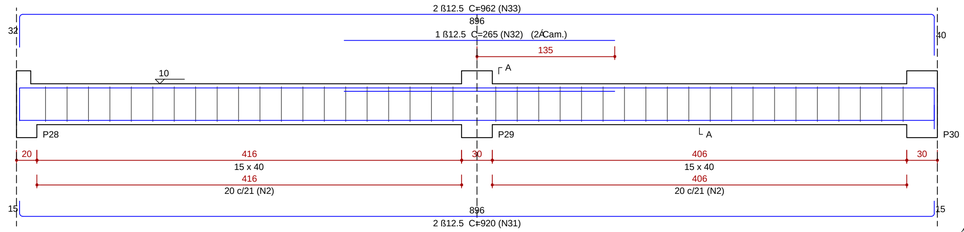


VB14
ESC 1:30

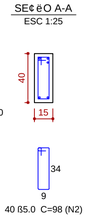


SE¢ëO A-A
ESC 1:25

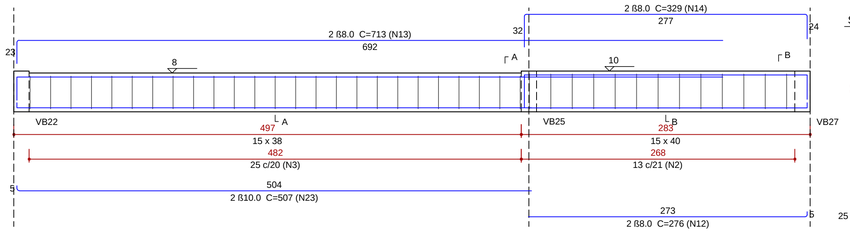
VB15
ESC 1:30



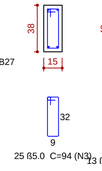
SE¢ëO A-A
ESC 1:25



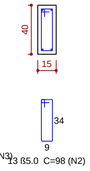
VB16
ESC 1:30



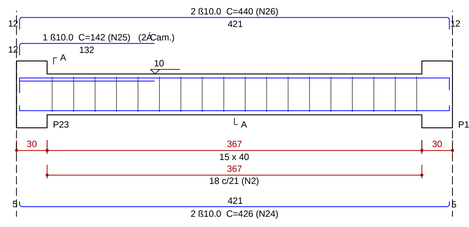
SE¢ëO A-A
ESC 1:25



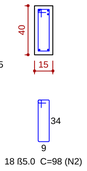
SE¢ëO B-B
ESC 1:25



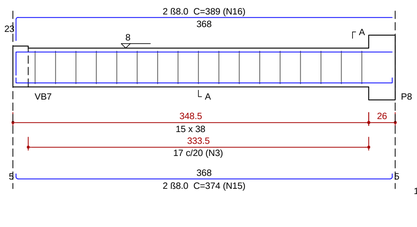
VB17
ESC 1:30



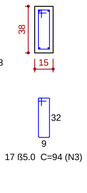
SE¢ëO A-A
ESC 1:25



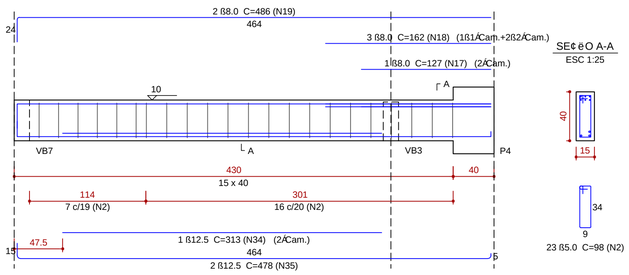
VB18
ESC 1:30



SE¢ëO A-A
ESC 1:25

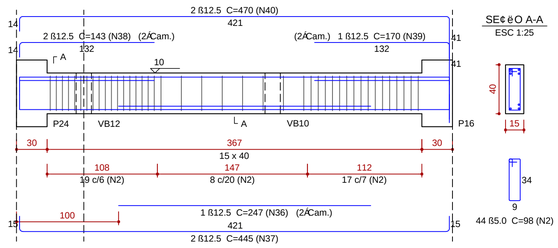


VB19
ESC 1:30



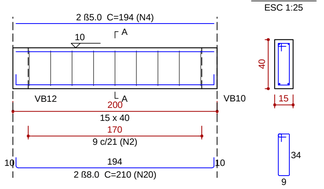
SE¢ëO A-A
ESC 1:25

VB20
ESC 1:30



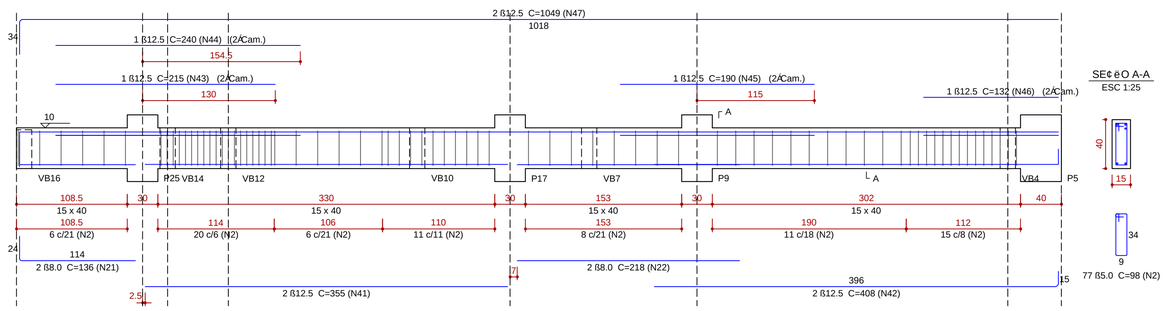
SE¢ëO A-A
ESC 1:25

VB21
ESC 1:30



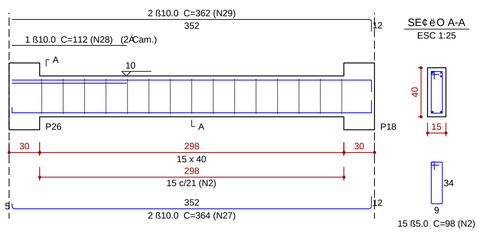
SE¢ëO A-A
ESC 1:25

VB22
ESC 1:30



SE¢ëO A-A
ESC 1:25

VB23
ESC 1:30



SE¢ëO A-A
ESC 1:25

Rela-«o do a-o

VB11	VB12	VB13
VB14	VB15	VB16
VB17	VB18	VB19
VB20	VB21	VB22
VB23		

A¢O	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	17	78	1326
	2	5.0	294	98	28812
	3	5.0	42	94	3948
	4	5.0	2	194	388
CA50	5	8.0	2	283	566
	6	8.0	2	309	618
	7	8.0	2	386	772
	8	8.0	2	327	654
	9	8.0	2	365	730
	10	8.0	2	512	1024
	11	8.0	2	550	1100
	12	8.0	2	276	552
	13	8.0	2	713	1426
	14	8.0	2	329	658
	15	8.0	2	374	748
	16	8.0	2	389	778
	17	8.0	1	127	127
	18	8.0	3	162	486
	19	8.0	2	486	972
	20	8.0	2	210	420
	21	8.0	2	136	272
	22	8.0	2	218	436
	23	10.0	2	507	1014
	24	10.0	2	426	852
	25	10.0	1	142	142
	26	10.0	2	440	880
	27	10.0	2	364	728
	28	10.0	1	112	112
	29	10.0	2	362	724
	30	12.5	2	366	732
	31	12.5	2	920	1840
	32	12.5	1	265	265
	33	12.5	2	962	1924
	34	12.5	1	313	313
	35	12.5	2	478	956
	36	12.5	1	247	247
	37	12.5	2	445	890
	38	12.5	2	143	286
	39	12.5	1	170	170
	40	12.5	2	470	940
	41	12.5	2	355	710
	42	12.5	2	408	816
	43	12.5	1	215	215
	44	12.5	1	240	240
	45	12.5	1	190	190
	46	12.5	1	132	132
	47	12.5	2	1049	2098

Resumo do a-o

A¢O	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barras)	PESO + 10 % (kg)
CA50	8.0	123.4	12	53.6
	10.0	44.6	5	30.2
	12.5	129.7	12	137.4
CA60	5.0	344.8	32	58.4

PESO TOTAL (kg)	
CA50	221.1
CA60	58.4

Volume de concreto (C-30) = 3.79 mj
Área de forma = 60.19 mj

ESTADO DE SANTA CATARINA
SECRETARIA DE ESTADO DA INFRA ESTRUTURA
DEPARTAMENTO ESTADUAL DE INFRA ESTRUTURA
DIRETORIA DE OBRAS CIVIS - DIOC

DEINFRA

DIOC

NOME DO PROJETO : SST - SECRETARIA DE ESTADO DA ASSISTąNCIA SOCIAL, TRABALHO E HABITA¢ëO
REF.:
LOCAL: DIVERSAS LOCALIDADES DO ESTADO
TIPO DE PROJETO: ESTRUTURAL
CARACTERíSTICAS: PROJETO PADRëO - CREAS
ARMADURAS DAS VIGAS
PAVIMENTO: BALDRAME
AUTOR DO PROJETO: ENG. CIVIL ROBERTO DANIEL GEVAERD CREA/SC 041750-9
AVALIUS ENGENHARIA E AVALIA¢ëES LTDA
CREA: 220,04 mj
ESCALA: INDICADA
DATA: ABRIL/2017
DES. EDVANIO PACHECO

9

FORMATO A1 - INTERNO: 801 x 574 mm.
EXTERNO: 841 x 594 mm.