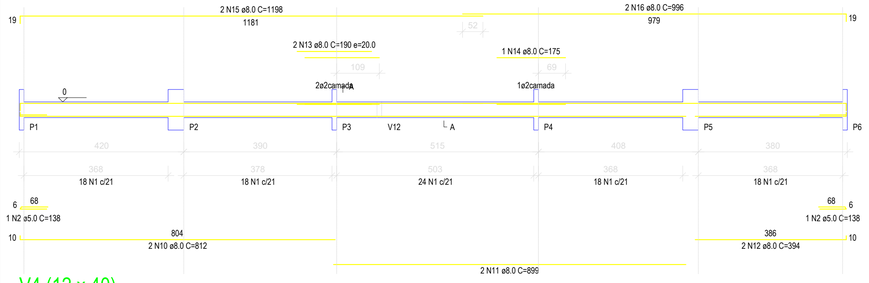
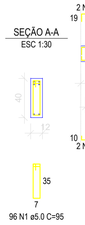
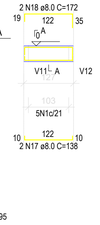
V1 (12 x 40)
ESC 1:75



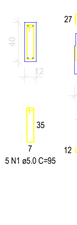
SEÇÃO A-A
ESC 1:30



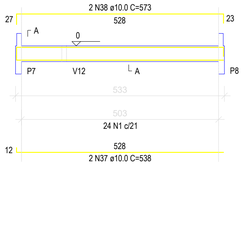
V2 (12 x 40)
ESC 1:75



SEÇÃO A-A
ESC 1:30

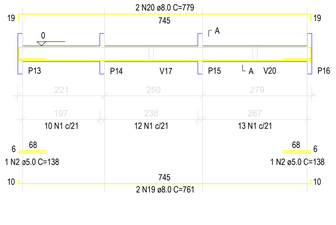


V3 (12 x 40)
ESC 1:75

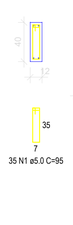


SEÇÃO A-A
ESC 1:30

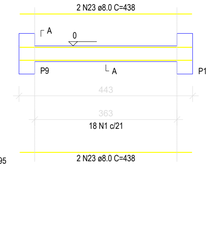
V5 (12 x 40)
ESC 1:75



SEÇÃO A-A
ESC 1:30

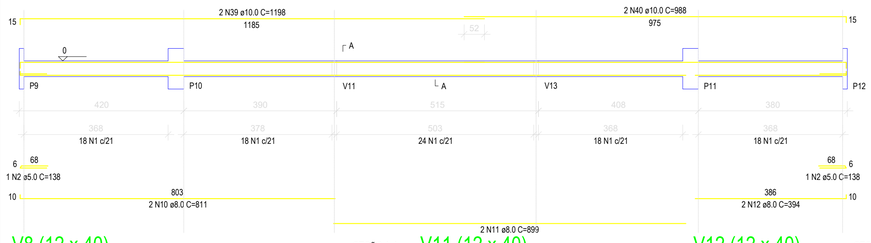


V9 (12 x 40)
ESC 1:75



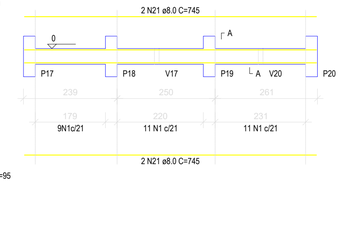
SEÇÃO A-A
ESC 1:30

V4 (12 x 40)
ESC 1:75



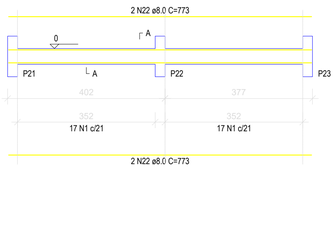
SEÇÃO A-A
ESC 1:30

V6 (12 x 40)
ESC 1:75

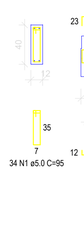


SEÇÃO A-A
ESC 1:30

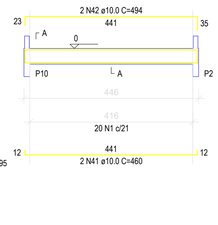
V7 (12 x 40)
ESC 1:75



SEÇÃO A-A
ESC 1:30



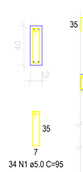
V10 (12 x 40)
ESC 1:75



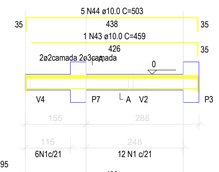
SEÇÃO A-A
ESC 1:30

V8 (12 x 40)
ESC 1:75

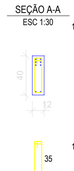
SEÇÃO A-A
ESC 1:30



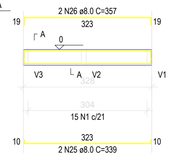
V11 (12 x 40)
ESC 1:75



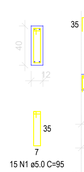
SEÇÃO A-A
ESC 1:30



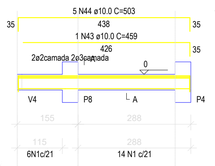
V12 (12 x 40)
ESC 1:75



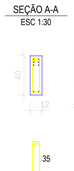
SEÇÃO A-A
ESC 1:30



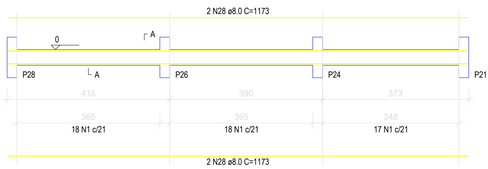
V13 (12 x 40)
ESC 1:75



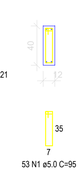
SEÇÃO A-A
ESC 1:30



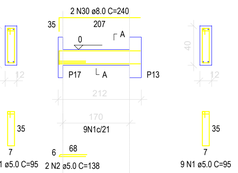
V14 (12 x 40)
ESC 1:75



SEÇÃO A-A
ESC 1:30

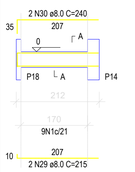


V15 (12 x 40)
ESC 1:75

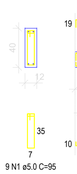


SEÇÃO A-A
ESC 1:30

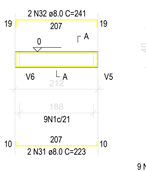
V16 (12 x 40)
ESC 1:75



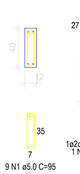
SEÇÃO A-A
ESC 1:30



V17 (12 x 40)
ESC 1:75



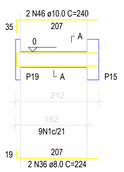
SEÇÃO A-A
ESC 1:30



V18 (12 x 40)
ESC 1:75

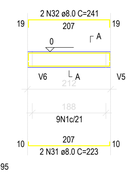
SEÇÃO A-A
ESC 1:30

V19 (12 x 40)
ESC 1:75

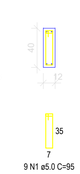


SEÇÃO A-A
ESC 1:30

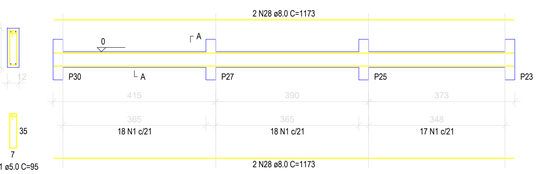
V20 (12 x 40)
ESC 1:75



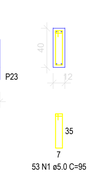
SEÇÃO A-A
ESC 1:30



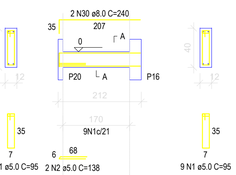
V21 (12 x 40)
ESC 1:75



SEÇÃO A-A
ESC 1:30

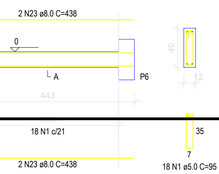


V22 (12 x 40)
ESC 1:75



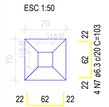
SEÇÃO A-A
ESC 1:30

V23 (12 x 40)
ESC 1:75

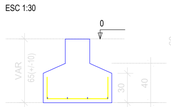


SEÇÃO A-A
ESC 1:30

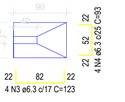
S17=S18=S19=S20=S21=S22=S23=S24=S25=S26 =S27=S28=S29=S30
PLANTA
ESC 1:50



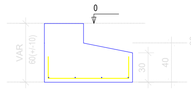
CORTE
ESC 1:30



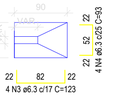
S9
PLANTA
ESC 1:50



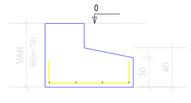
CORTE
ESC 1:30



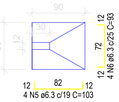
S1=S6=S12=S13=S16
PLANTA
ESC 1:50



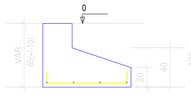
CORTE
ESC 1:30



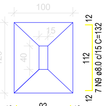
S14
PLANTA
ESC 1:50



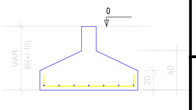
CORTE
ESC 1:30



S7=S8
PLANTA
ESC 1:50



CORTE
ESC 1:30



RELAÇÃO DO AÇO

5xS1		2xS7		S9	
S14		14xS21		V1	
V2		V3		V4	
V5		V6		V7	
V8		V9		V10	
V11		V12		V13	
V14		V15		V16	
V17		V18		V19	
V20		V21		V22	
V23					

AÇO	N.	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	644	95	61180
	2	5.0	10	138	1380
CA50	3	6.3	24	123	2952
	4	6.3	24	93	2232
	5	6.3	4	103	412
	6	6.3	4	93	372
	7	8.0	112	185	31556
	8	8.0	18	112	2016
	9	8.0	14	132	1848
	10	8.0	4	612	2448
	11	8.0	4	899	3596
	12	8.0	4	394	1576
	13	8.0	4	190	760
	14	5.0	1	175	175
	15	8.0	2	1198	2396
	16	8.0	2	996	1992
	17	5.0	2	138	276
	18	8.0	2	172	344
	19	8.0	2	761	1522
	20	5.0	2	779	1558
	21	8.0	4	745	2980
	22	8.0	4	773	6184
	23	5.0	8	438	3504
	24	8.0	2	455	910
	25	8.0	2	339	678
	26	5.0	2	357	714
	27	8.0	2	138	276
	28	8.0	6	1173	14076
	29	5.0	6	215	1290
	30	8.0	6	240	1440
	31	8.0	4	220	880
	32	5.0	4	241	964
	33	8.0	2	457	914
	34	5.0	2	95	95
	35	5.0	2	456	912
	36	8.0	2	224	448
	37	8.0	2	538	1076
	38	10.0	2	573	1146
	39	10.0	2	1198	2396
	40	10.0	2	996	1992
	41	10.0	2	460	920
	42	10.0	2	494	988
	43	10.0	2	458	916
	44	10.0	10	503	5030
	45	10.0	2	342	684
	46	10.0	2	240	480

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA60	5.0	175	47.7
	6.3	525.8	228.2
	8.0	156.1	105.9
	10.0	625.6	106.1
PESO TOTAL (kg)			
CA50	381.2		
CA60	106.1		

Volume de concreto (C-30) = 11.40 m³
Área de forma = 154.08 m²

Planta Baixa - Projeto Estrutural
Escala: 1/75

Prefeitura Municipal de Tijucas

PREFEITURA MUNICIPAL DE TIJUCAS
SECRETARIA DE OBRAS

AMPLIAÇÃO ESCOLA BRILHO DO SOL
RUA ESTEVÃO CAETANO RITA, BAIRRO JOAIA, TIJUCAS - SC.

Projeto Estrutural

Juelmir | **08/09/2020** | Indicada | **05**/08

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