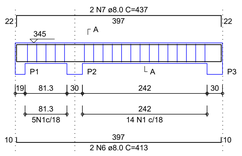
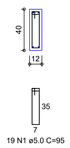
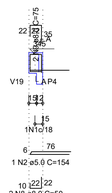
V1 (12 x 40)
ESC 1:50



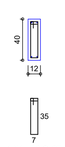
SEÇÃO A-A
ESC 1:25



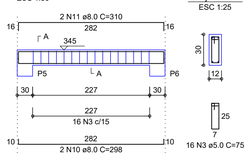
V2 (12 x 40)
ESC 1:50



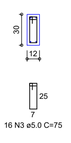
SEÇÃO A-A
ESC 1:25



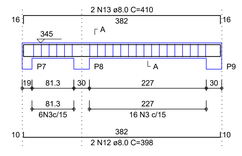
V3 (12 x 30)
ESC 1:50



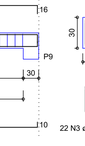
SEÇÃO A-A
ESC 1:25



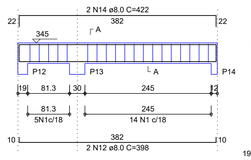
V4 (12 x 30)
ESC 1:50



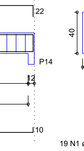
SEÇÃO A-A
ESC 1:25



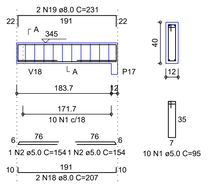
V5 (12 x 40)
ESC 1:50



SEÇÃO A-A
ESC 1:25



V7 (12 x 40)
ESC 1:50



SEÇÃO A-A
ESC 1:25

RELAÇÃO DO AÇO

V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	V12
V13	V14	V15
V16	V17	V18
V19	V20	V21
V22	V23	V24
V25	V26	V27

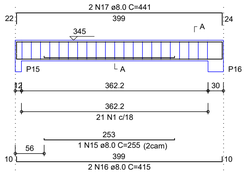
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	306	95	29070
	2	5.0	20	154	3080
	3	5.0	348	75	26100
	4	5.0	14	89	1246
	5	5.0	4	142	568
CA50	6	8.0	2	413	826
	7	8.0	2	437	874
	8	8.0	2	50	100
	9	8.0	2	75	150
	10	8.0	2	298	596
	11	8.0	2	310	620
	12	8.0	4	398	1592
	13	8.0	2	410	820
	14	8.0	2	422	844
	15	8.0	1	255	255
	16	8.0	2	415	830
	17	8.0	2	441	882
	18	8.0	2	207	414
	19	8.0	2	231	462
	20	8.0	4	231	924
	21	8.0	2	263	526
	22	8.0	2	243	486
	23	8.0	4	208	832
	24	8.0	4	220	880
	25	8.0	4	448	1792
	26	8.0	4	472	1888
	27	8.0	4	243	972
	28	8.0	4	255	1020
	29	8.0	2	1062	2124
	30	8.0	2	978	1956
	31	8.0	2	1198	2396
	32	8.0	2	926	1852
	33	8.0	2	993	1986
	34	8.0	2	1005	2010
	35	8.0	2	666	1332
	36	8.0	2	691	1382
	37	8.0	2	1007	2014
	38	8.0	2	1032	2064
	39	8.0	2	238	476
	40	8.0	2	250	500
	41	8.0	2	223	446
	42	8.0	2	235	470
	43	8.0	4	688	2752
	44	8.0	4	700	2800
	45	8.0	4	393	1572
	46	8.0	4	405	1620
	47	8.0	4	254	1016
	48	8.0	4	266	1064

RESUMO DO AÇO

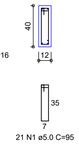
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	504.2	218.8
CA60	5.0	600.6	101.8
PESO TOTAL (kg)			
CA50	218.8		
CA60	101.8		

Volume de concreto (C-25) = 5.06 m³
Área de forma = 98.04 m²

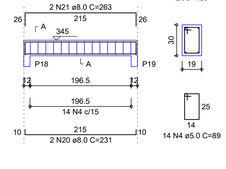
V6 (12 x 40)
ESC 1:50



SEÇÃO A-A
ESC 1:25

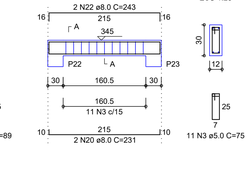


V8 (19 x 30)
ESC 1:50



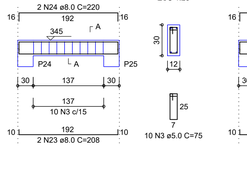
SEÇÃO A-A
ESC 1:25

V9 (12 x 30)
ESC 1:50



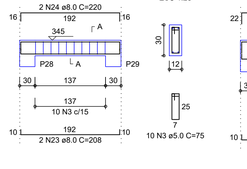
SEÇÃO A-A
ESC 1:25

V10 (12 x 30)
ESC 1:50



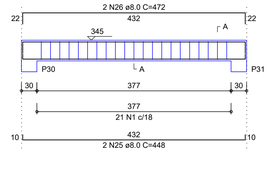
SEÇÃO A-A
ESC 1:25

V11 (12 x 30)
ESC 1:50

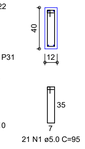


SEÇÃO A-A
ESC 1:25

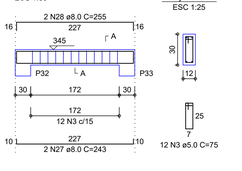
V12 (12 x 40)
ESC 1:50



SEÇÃO A-A
ESC 1:25

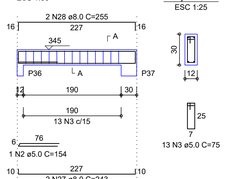


V13 (12 x 30)
ESC 1:50



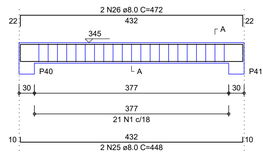
SEÇÃO A-A
ESC 1:25

V14 (12 x 30)
ESC 1:50

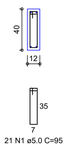


SEÇÃO A-A
ESC 1:25

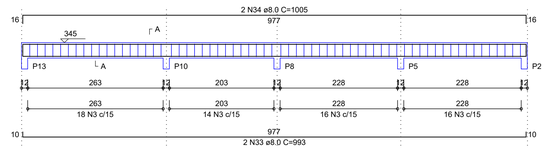
V15 (12 x 40)
ESC 1:50



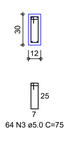
SEÇÃO A-A
ESC 1:25



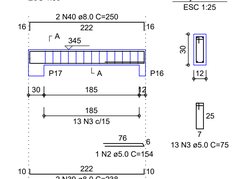
V17 (12 x 30)
ESC 1:50



SEÇÃO A-A
ESC 1:25

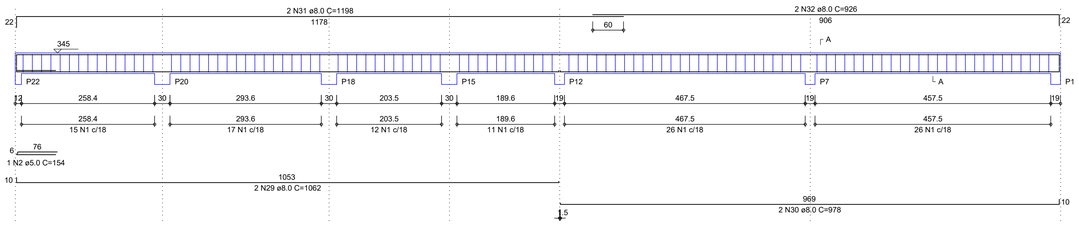


V20 (12 x 30)
ESC 1:50

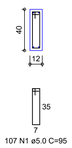


SEÇÃO A-A
ESC 1:25

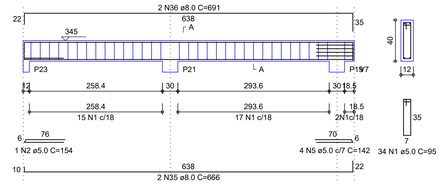
V16 (12 x 40)
ESC 1:50



SEÇÃO A-A
ESC 1:25

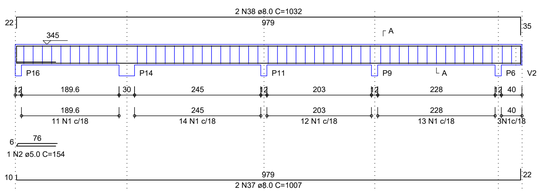


V18 (12 x 40)
ESC 1:50

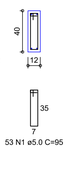


SEÇÃO A-A
ESC 1:25

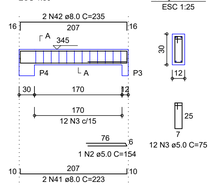
V19 (12 x 40)
ESC 1:50



SEÇÃO A-A
ESC 1:25

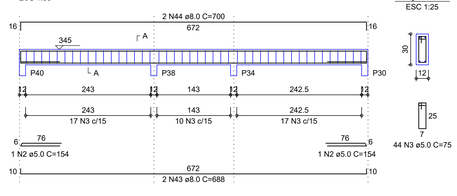


V21 (12 x 30)
ESC 1:50



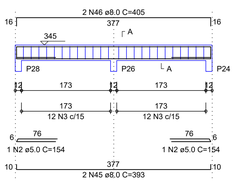
SEÇÃO A-A
ESC 1:25

V22 (12 x 30)
ESC 1:50

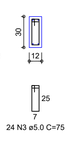


SEÇÃO A-A
ESC 1:25

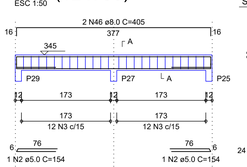
V23 (12 x 30)
ESC 1:50



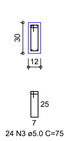
SEÇÃO A-A
ESC 1:25



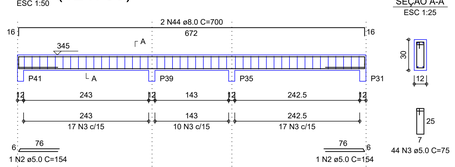
V24 (12 x 30)
ESC 1:50



SEÇÃO A-A
ESC 1:25

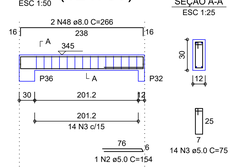


V25 (12 x 30)
ESC 1:50

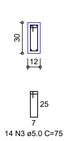


SEÇÃO A-A
ESC 1:25

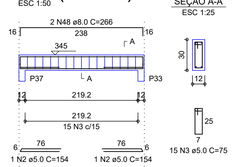
V26 (12 x 30)
ESC 1:50



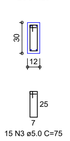
SEÇÃO A-A
ESC 1:25



V27 (12 x 30)
ESC 1:50



SEÇÃO A-A
ESC 1:25



PREFEITURA MUNICIPAL
SÃO JOSÉ DO RIO PRETO
EDUCAÇÃO

PREFEITURA MUNICIPAL DE SÃO JOSÉ DO RIO PRETO

PREFEITO EDINHO ARAÚJO
SECRETARIA MUNICIPAL DE EDUCAÇÃO

OBRA: *E.M. MÔNICA E CEBOLINHA UNIDADE I*
LOCAL: RUA ARNALDO AFFINI Nº 262 - JARDIM BELO HORIZONTE SÃO JOSÉ DO RIO PRETO-SP
ÁREAS (M2):
ESCALA: INDICADA | DESENHO: RAFAEL | DATA: MAIO/2022 | PROJETO:

ASSUNTO: PROJETO ESTRUTURAL - VIGAS DO PAV. COBERTURA - DET. ARM. — **EST**

SECRETÁRIO: FABIANA ZANQUETTA DE AZEVEDO
DESENVOLVIMENTO DO PROJETO: A.M.RECURSOS GRÁFICOS

RESPONSÁVEL TÉCNICO PELO PROJETO ESTRUTURAL:
RAFAEL ELIAS RODRIGUES
ENG. CIVIL - CREA/SP 5061757123/D

FOLHA Nº.: **06/06**