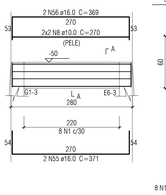
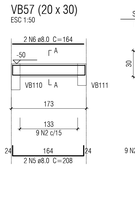
ARMAÇÃO DAS VIGAS BALDRAME 4/7

ESC.: INDICADA

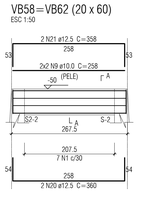
VB56 (20 x 60)
ESC 1:50



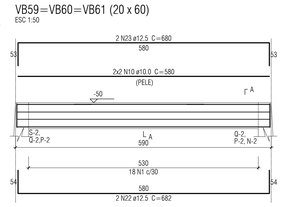
VB57 (20 x 30)
ESC 1:50



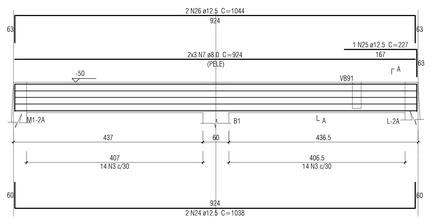
VB58=VB62 (20 x 60)
ESC 1:50



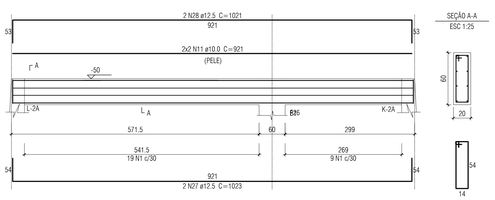
VB59=VB60=VB61 (20 x 60)
ESC 1:50



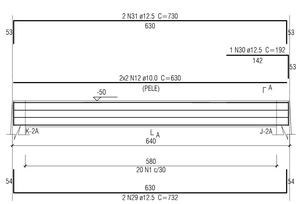
VB63 (20 x 70)
ESC 1:50



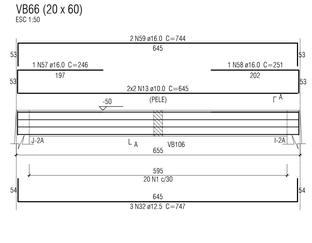
VB64 (20 x 60)
ESC 1:50



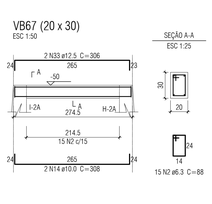
VB65 (20 x 60)
ESC 1:50



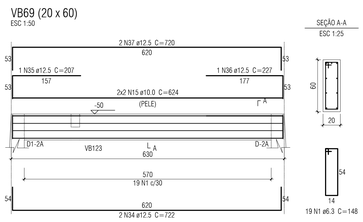
VB66 (20 x 60)
ESC 1:50



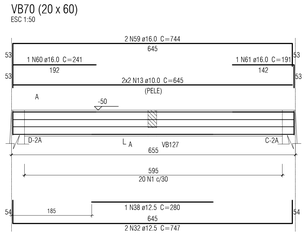
VB67 (20 x 30)
ESC 1:50



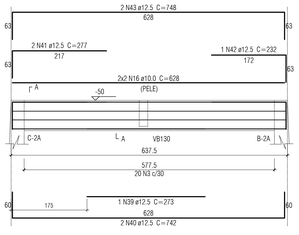
VB69 (20 x 60)
ESC 1:50



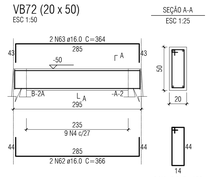
VB70 (20 x 60)
ESC 1:50



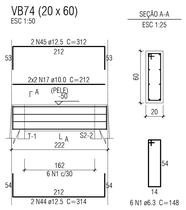
VB71 (20 x 70)
ESC 1:50



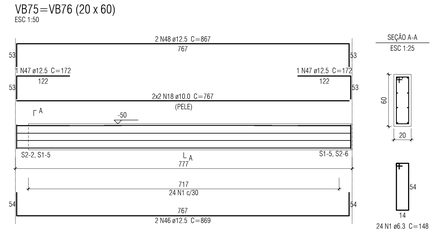
VB72 (20 x 50)
ESC 1:50



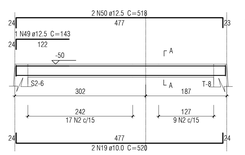
VB74 (20 x 60)
ESC 1:50



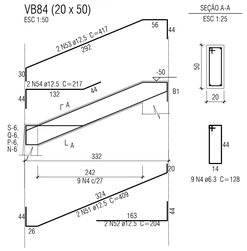
VB75=VB76 (20 x 60)
ESC 1:50



VB77 (20 x 30)
ESC 1:50



VB78=VB80=VB82=VB84 (20 x 50)
ESC 1:50



VB63 (20 x 70)
ESC 1:50

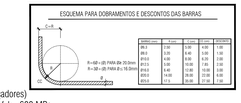
Relação do aço

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	237	148	35076
	2	6.3	50	88	4400
	3	6.3	48	168	8064
	4	6.3	45	128	5760
	5	8.0	2	208	416
	6	8.0	2	164	328
	7	8.0	6	924	5544
	8	10.0	4	270	1080
	9	10.0	8	258	2064
	10	10.0	12	580	6960
	11	10.0	4	921	3684
	12	10.0	4	630	2520
	13	10.0	8	645	5160
	14	10.0	2	308	616
	15	10.0	4	624	2496
	16	10.0	4	628	2512
	17	10.0	4	212	848
	18	10.0	8	767	6136
	19	10.0	2	520	1040
	20	12.5	4	360	1440
	21	12.5	4	358	1432
	22	12.5	6	682	4092
	23	12.5	6	680	4080
	24	12.5	2	1038	2076
	25	12.5	1	227	227
	26	12.5	2	1044	2088
	27	12.5	2	1023	2046
	28	12.5	2	1021	2042
	29	12.5	2	732	1464
	30	12.5	1	192	192
	31	12.5	2	730	1460
	32	12.5	5	747	3735
	33	12.5	2	306	612
	34	12.5	2	722	1444
	35	12.5	1	207	207
	36	12.5	1	227	227
	37	12.5	2	720	1440
	38	12.5	1	280	280
	39	12.5	1	273	273
	40	12.5	2	742	1484
	41	12.5	2	277	554
	42	12.5	1	232	232
	43	12.5	2	748	1496
	44	12.5	2	314	628
	45	12.5	2	312	624
	46	12.5	4	869	3476
	47	12.5	4	172	688
	48	12.5	4	867	3468
	49	12.5	1	143	143
	50	12.5	2	518	1036
	51	12.5	8	409	3272
	52	12.5	8	204	1632
	53	12.5	8	417	3336
	54	12.5	8	217	1736
	55	16.0	2	371	742
	56	16.0	2	369	738
	57	16.0	1	246	246
	58	16.0	1	251	251
	59	16.0	4	744	2976
	60	16.0	1	241	241
	61	16.0	1	191	191
	62	16.0	2	366	732
	63	16.0	2	364	728

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	533	143.5
	8.0	62.9	27.3
	10.0	351.2	238.2
	12.5	546.7	579.2
	16.0	68.5	118.8
PESO TOTAL (kg)			
CA50	1107		

ESQUEMA PARA DOBRAMENTOS E DESCONTOS DAS BARRAS



NOTAS

1- MEDIDAS EM cm, NÍVEIS EM m
2- COBRIMENTO: 3,0cm. (usar espaçadores)
3- AÇO CA-50 fyk=500 MPa, CA-60 fyk=600 MPa
4- fck = 25 MPa
5- CONFERIR MEDIDAS NA OBRA
6- NÃO TOMAR MEDIDAS EM ESCALA

PREFEITURA DO MUNICÍPIO DE ITAPEVI
SECRETARIA DE INFRAESTRUTURA
E SERVIÇOS URBANOS

TÍTULO: UNIDADE ESCOLAR

PROJETO: CONSTRUÇÃO DE ESCOLA

OBRA: ESCOLA DE TEMPO INTEGRAL VALE DO SOL

LOCAL DO IMÓVEL: RODOVIA ENGENHEIRO RENÊ BENEDITO DA SILVA, S/N, VALE DO SOL

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE ITAPEVI

Marcos de Oliveira Anjos
Secretário de Infraestrutura
e Serviços Urbanos
Prefeitura Municipal de Itapevi
CNPJ nº: 46.523.031/0001-28

Responsável técnico
Engº. Fábio das Virgens Junior
CREA nº 5070331130

ASSUNTO: ARMAÇÃO DAS VIGAS BALDRAME 4/7			10/17
PAVIMENTO:	ESCALA: INDICADA	TIPO DE PROJETO: ESTRUTURA	
ZONEAMENTO:	DATA: MAR/2023	ETAPA: BÁSICO	
DESENHISTA:	IMPRESSO EM: 03/03/2023	REVISÃO: 00	