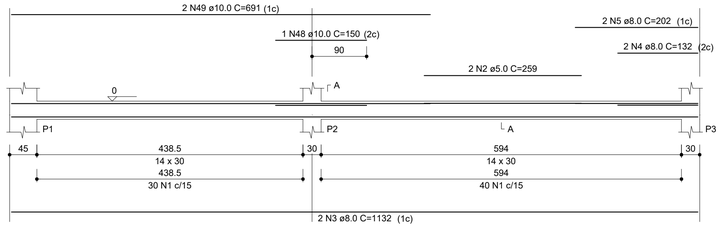
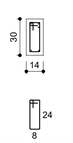
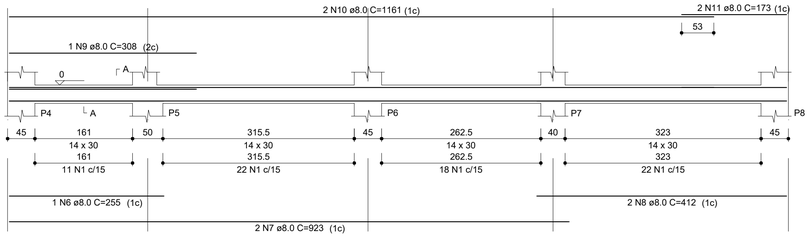
VB-1 (14 x 30)
ESCALA 1:50



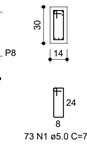
SEÇÃO A-A
ESCALA 1:25



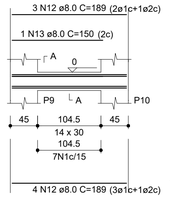
VB-2 (14 x 30)
ESCALA 1:50



SEÇÃO A-A
ESCALA 1:25

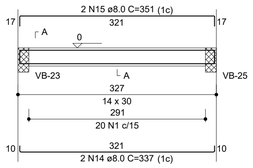


VB-3 (14 x 30)
ESCALA 1:50

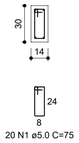


SEÇÃO A-A
ESCALA 1:25

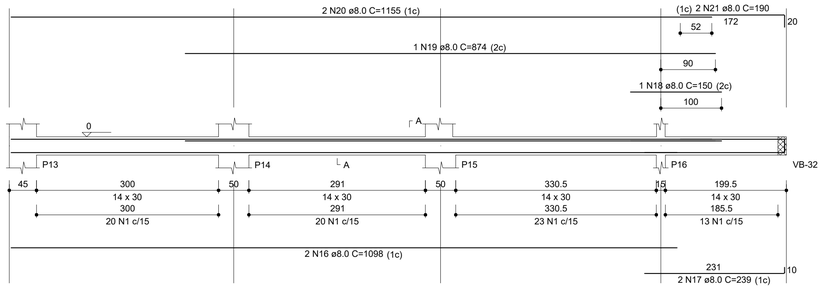
VB-4 (14 x 30)
ESCALA 1:50



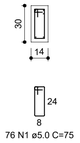
SEÇÃO A-A
ESCALA 1:25



VB-5 (14 x 30)
ESCALA 1:50



SEÇÃO A-A
ESCALA 1:25



VB-30 (14 x 30)
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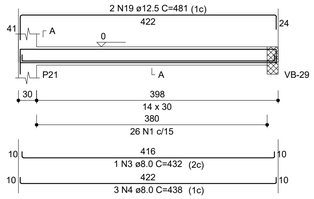
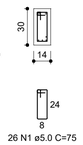
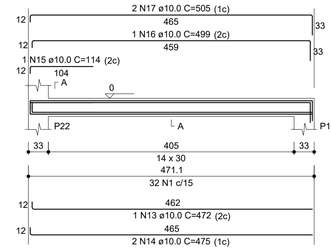


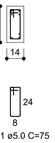
SEÇÃO A-A
ESCALA 1:25



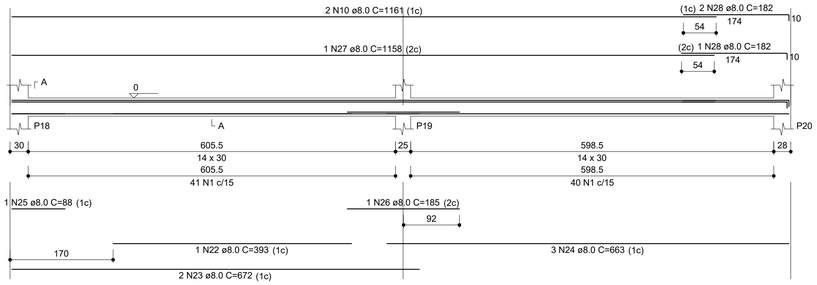
VB-31 (14 x 30)
ESCALA 1:50



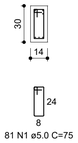
SEÇÃO A-A
ESCALA 1:25



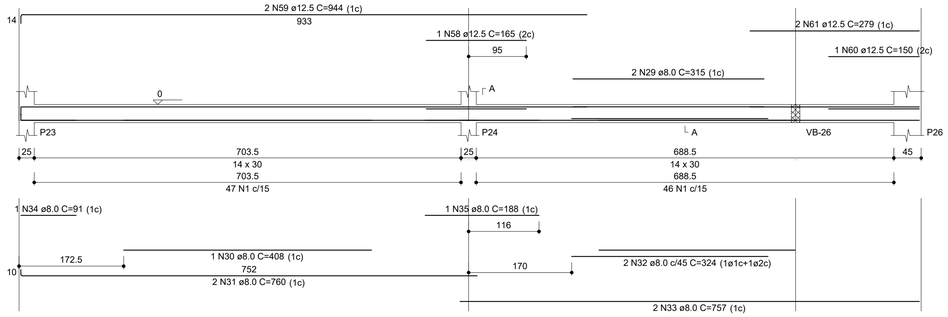
VB-6 (14 x 30)
ESCALA 1:50



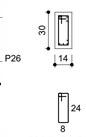
SEÇÃO A-A
ESCALA 1:25



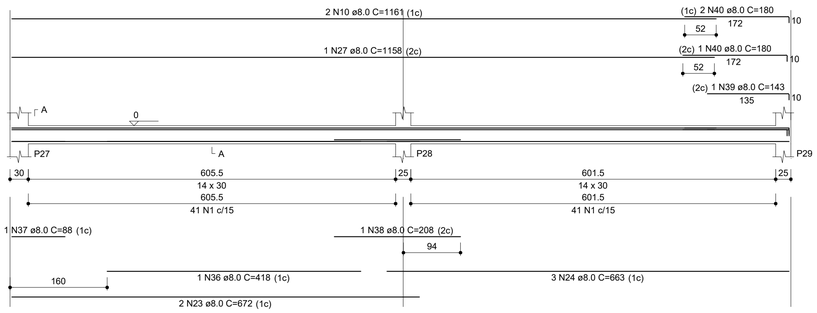
VB-7 (14 x 30)
ESCALA 1:50



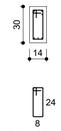
SEÇÃO A-A
ESCALA 1:25



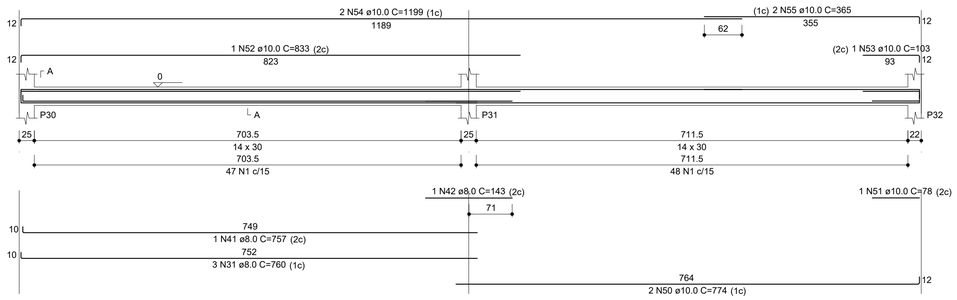
VB-9 (14 x 30)
ESCALA 1:50



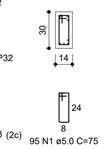
SEÇÃO A-A
ESCALA 1:25



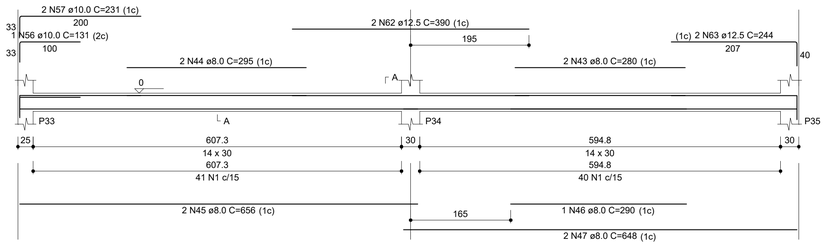
VB-10 (14 x 30)
ESCALA 1:50



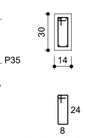
SEÇÃO A-A
ESCALA 1:25



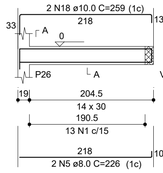
VB-11 (14 x 30)
ESCALA 1:50



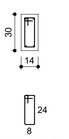
SEÇÃO A-A
ESCALA 1:25



VB-32 (14 x 30)
ESCALA 1:50



SEÇÃO A-A
ESCALA 1:25



RELAÇÃO DO AÇO

VB-1 VB-2 VB-3
VB-4 VB-5 VB-6
VB-7 VB-9 VB-10
VB-11

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	678	75	50850
	2	5.0	2	259	518
CA50	3	8.0	2	1132	2264
	4	8.0	2	132	264
	5	8.0	2	202	404
	6	8.0	1	255	255
	7	8.0	2	923	1846
	8	8.0	2	412	824
	9	8.0	1	308	308
	10	8.0	6	1161	6966
	11	8.0	2	173	346
	12	8.0	7	189	1323
	13	8.0	1	150	150
	14	8.0	2	337	674
	15	8.0	2	351	702
	16	8.0	2	1098	2196
	17	8.0	2	239	478
	18	8.0	1	150	150
	19	8.0	1	874	874
	20	8.0	2	1155	2310
	21	8.0	2	190	380
	22	8.0	1	393	393
	23	8.0	4	672	2688
	24	8.0	6	663	3978
	25	8.0	1	88	88
	26	8.0	1	185	185
	27	8.0	2	1158	2316
	28	8.0	3	182	546
	29	8.0	2	315	630
	30	8.0	1	408	408
	31	8.0	5	760	3800
	32	8.0	2	324	648
	33	8.0	2	757	1514
	34	8.0	1	91	91
	35	8.0	1	188	188
	36	8.0	1	418	418
	37	8.0	1	88	88
	38	8.0	1	208	208
	39	8.0	1	143	143
	40	8.0	3	180	540
	41	8.0	1	757	757
	42	8.0	1	143	143
	43	8.0	2	280	560
	44	8.0	2	295	590
	45	8.0	2	656	1312
	46	8.0	1	290	290
	47	8.0	2	648	1296
	48	10.0	1	150	150
	49	10.0	2	691	1382
	50	10.0	2	774	1548
	51	10.0	1	78	78
	52	10.0	1	833	833
	53	10.0	1	103	103
	54	10.0	2	1199	2398
	55	10.0	2	365	730
	56	10.0	1	131	131
	57	10.0	2	231	462
	58	12.5	1	165	165
	59	12.5	2	944	1888
	60	12.5	1	150	150
	61	12.5	2	279	558
	62	12.5	2	390	780
	63	12.5	2	244	488

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	8.0	465.3	43	202
	10.0	78.2	8	53
	12.5	40.3	4	42.7
CA60	5.0	513.7	48	87.1

PESO TOTAL (kg)	
CA50	297.7
CA60	87.1

Volume de concreto (C-30) = 4.22 m³
Área de forma = 74.41 m²

RELAÇÃO DO AÇO

VB-30 VB-31 VB-32
VB-33

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	71	75	5325
	2	5.0	22	115	2530
CA50	3	8.0	1	432	432
	4	8.0	3	438	1314
	5	8.0	2	226	452
	6	8.0	3	610	1830
	7	8.0	3	177	531
	8	8.0	1	237	237
	9	8.0	2	161	322
	10	8.0	1	165	165
	11	8.0	1	622	622
	12	8.0	2	625	1250
	13	10.0	1	472	472
	14	10.0	2	475	950
	15	10.0	1	114	114
	16	10.0	1	499	499
	17	10.0	2	505	1010
	18	10.0	2	259	518
	19	12.5	2	481	962

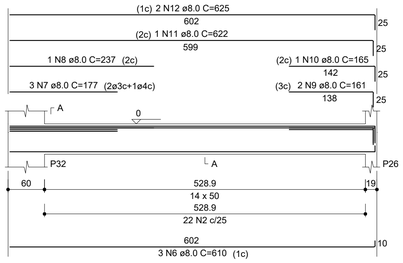
Volume de concreto (C-30) = 0.80 m³
Área de forma = 13.54 m²

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	8.0	71.5	7	31.1
	12.5	3.6	1	2.2
	10.0	3.6	1	2.2
	5.0	78.5	8	13.3

PESO TOTAL (kg)	
CA50	65.4
CA60	13.3

VB-33 (14 x 50)
ESCALA 1:50



SEÇÃO A-A
ESCALA 1:25

Nº	DISCRIMINAÇÃO DAS REVISÕES	DATA	APROVAÇÃO
<>	<>	<>	<>

Obra
Edificio Comercial - Educação Continuada de Altos-PI
Praça Cônego Honório, n 60, Centro, Altos-PI

Projeto
Yago Castelo Branco de Carvalho
191659836

Proprietário
Prefeitura Municipal de Altos-PI

Projeto
PROJETO ESTRUTURAL

Descriminação
Planta de armação vigas baldrames

Folha 05
Conj. 26
Fls./Conj. 4

Data 22/12/2021
Escala Indicada
Desenho Yago Castelo
Conferência Yago Castelo