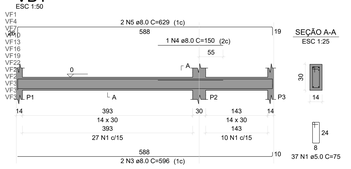
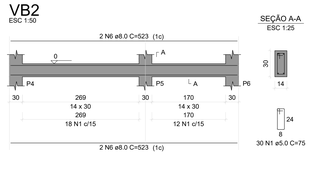
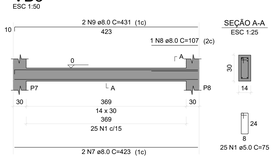
VB1
ESC 1:50



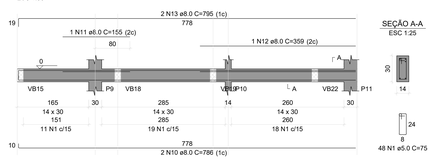
VB2
ESC 1:50



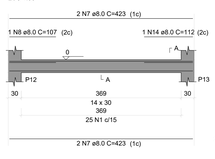
VB3
ESC 1:50



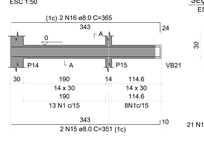
VB4
ESC 1:50



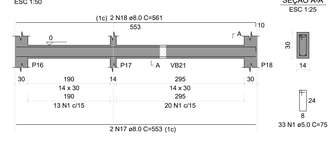
VB5
ESC 1:50



VB6
ESC 1:50



VB7
ESC 1:50



RELAÇÃO DO AÇO

VB1		VB2		VB3	
VB4		VB5		VB6	
VB7		VB8		VB9	
VB10		VB11		VB12	
VB13		VB14		VB15	
VB16		VB17		VB18	
VB19		VB20		VB21	
VB22		VB23			

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	1	1162	1162
CA60	2	5.0	4	588	2352
	3	5.0	2	596	1192
	4	5.0	2	629	1258
	5	5.0	2	523	1046
	6	5.0	2	523	1046
	7	5.0	2	423	846
	8	5.0	12	423	5076
	9	5.0	2	431	862
	10	5.0	2	786	1572
	11	5.0	2	155	310
	12	5.0	2	359	718
	13	5.0	2	795	1590
	14	5.0	2	112	224
	15	5.0	2	351	702
	16	5.0	2	365	730
	17	5.0	2	553	1106
	18	5.0	2	561	1122
	19	5.0	2	1194	2388
	20	5.0	2	1082	2164
	21	5.0	2	180	360
	22	5.0	2	1180	2360
	23	5.0	2	1082	2164
	24	5.0	2	145	290
	25	5.0	2	1081	2162
	26	5.0	2	179	358
	27	5.0	2	135	270
	28	5.0	2	605	1210
	29	5.0	2	613	1226
	30	5.0	2	1198	2396
	31	5.0	2	1079	2158
	32	5.0	2	540	1080
	33	5.0	2	130	260
	34	5.0	2	1198	2396
	35	5.0	2	1079	2158
	36	5.0	2	140	280
	37	5.0	2	125	250
	38	5.0	2	123	246
	39	5.0	2	537	1074
	40	5.0	2	538	1076
	41	5.0	2	520	1040
	42	5.0	2	442	884
	43	5.0	2	172	344
	44	5.0	2	134	268
	45	5.0	2	314	628
	46	5.0	2	1150	2300
	47	5.0	2	184	368
	48	5.0	2	609	1218
	49	5.0	2	583	1166
	50	5.0	2	1145	2290
	51	5.0	2	1137	2274
	52	5.0	2	1077	2154
	53	5.0	2	929	1858
	54	5.0	2	809	1618
	55	5.0	2	628	1256
	56	5.0	2	611	1222
	57	5.0	2	81	162
	58	5.0	2	134	268
	59	5.0	2	222	444
	60	5.0	2	184	368
	61	5.0	2	628	1256

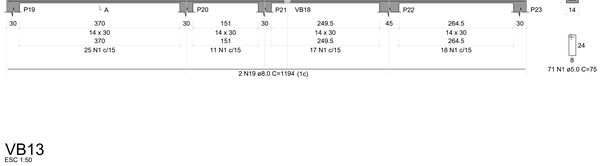
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	5.0	748.5	324.9
CA60	5.0	829.4	140.6

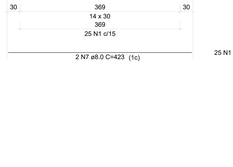
PESO TOTAL (kg)	
CA50	324.9
CA60	140.6

Volume de concreto (C-25) = 6.73 m³
Área de forma = 118.83 m²

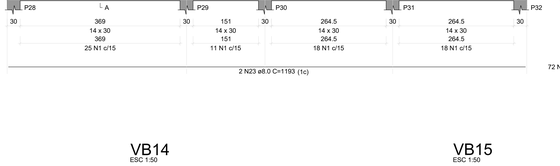
VB8
ESC 1:50



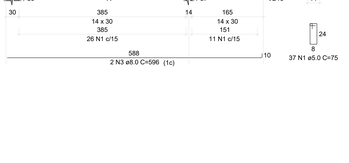
VB9
ESC 1:50



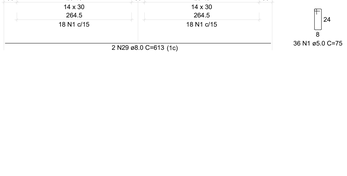
VB10
ESC 1:50



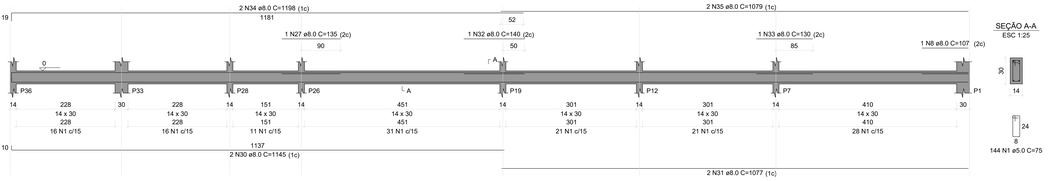
VB11
ESC 1:50



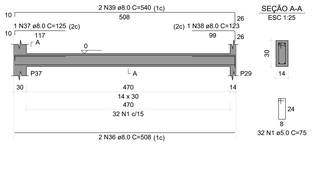
VB12
ESC 1:50



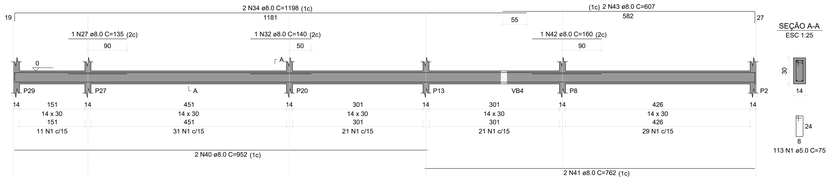
VB13
ESC 1:50



VB14
ESC 1:50



VB15
ESC 1:50



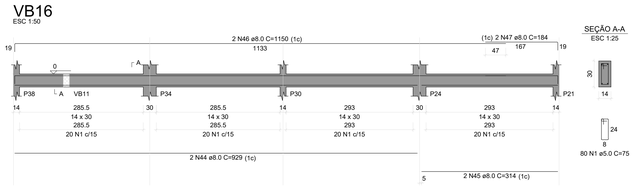
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	748.5	324.9
CA60	5.0	829.4	140.6

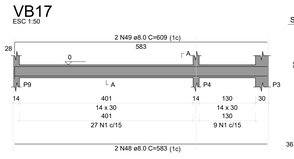
PESO TOTAL (kg)	
CA50	324.9
CA60	140.6

Volume de concreto (C-25) = 6.73 m³
Área de forma = 118.83 m²

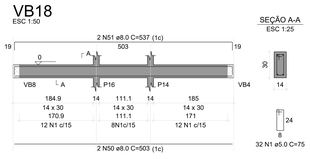
VB16
ESC 1:50



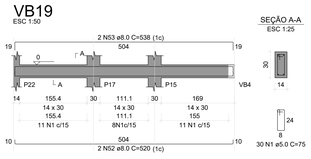
VB17
ESC 1:50



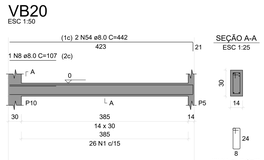
VB18
ESC 1:50



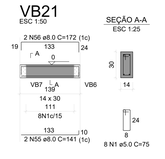
VB19
ESC 1:50



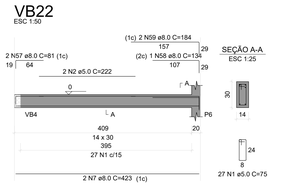
VB20
ESC 1:50



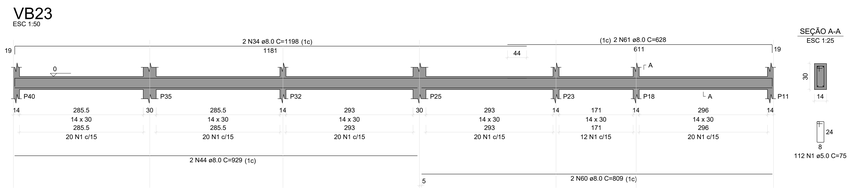
VB21
ESC 1:50



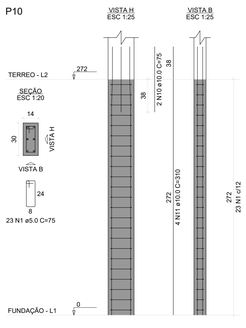
VB22
ESC 1:50



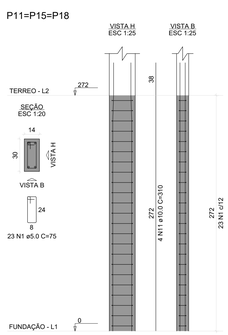
VB23
ESC 1:50



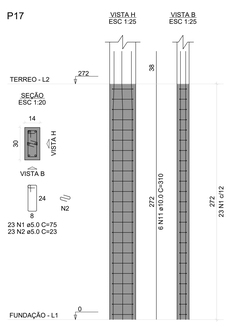
P10



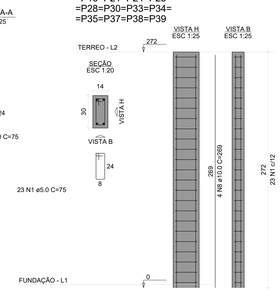
P11=P15=P18



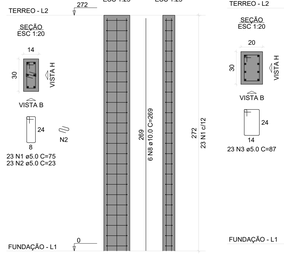
P17



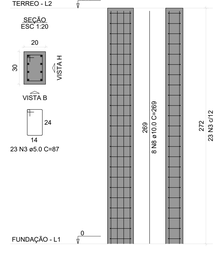
P1=P3=P5=P12=P14=P16=P21=P24=P25=P28=P30=P33=P34=P35=P37=P38=P39



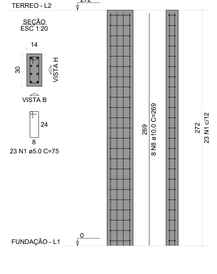
P2=P4=P7=P13=P19=P26=P31=P40



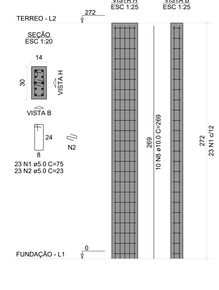
P6



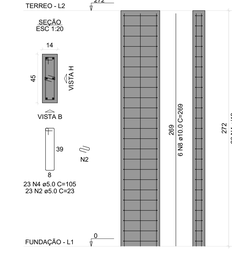
P8=P20



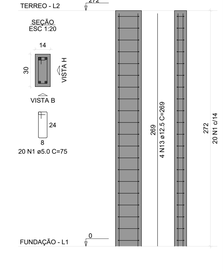
P9=P27=P29



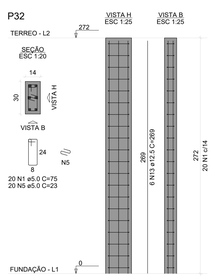
P22



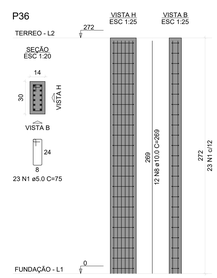
P23



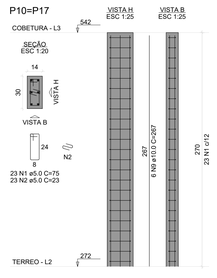
P32



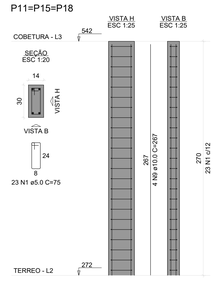
P36



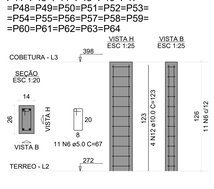
P10=P17



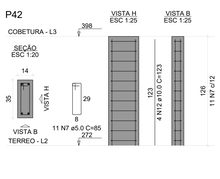
P11=P15=P18



P41=P43=P44=P45=P46=P47=P48=P49=P50=P51=P52=P53=P54=P55=P56=P57=P58=P59=P60=P61=P62=P63=P64



P42



17xP1-L2
2xP5-L2
P15-L2
P17-L2
P32-L2
P42-L3

8xP2-L2
3xP9-L2
3xP11-L3
P22-L2
P36-L2

P6-L2
2xP10-L3
3xP11-L2
P23-L2
23xP41-L3

RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	1	943	943
	2	5.0	23	87	2003
	3	5.0	23	100	2315
	4	5.0	20	23	460
	5	5.0	253	67	16951
	6	5.0	11	85	935
CA60	7	10.0	38	269	10222
	8	10.0	24	267	6408
	9	10.0	1	75	150
	10	10.0	22	315	6925
	11	10.0	56	123	11808
	12	12.5	10	269	2690

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	757.6	513.8
	12.5	26.9	28.5
CA60	5.0	1044.2	177

PESO TOTAL (kg)	
CA50	542.3
CA60	177

Volume de concreto (C-25) = 6.36 m³
Área de forma = 133.19 m²

ESTADO DE MATO GROSSO
PREFEITURA MUNICIPAL DE BARRA DO GARÇAS
CNPJ 01.439.239/0001-50
Rua Carajás, 522 centro - Barra do Garças MT - CEP 78.600-000

SECRETARIA MUNICIPAL DE PLANEJAMENTO URBANO E OBRAS

Folha : 04/07

COORDENADAS: 15°53'43,1"S 52°19'33,2"W

Obra : PROJETO CRAS

APROVAÇÃO

Conteúdo : VIGAS BALDRAMES / PILARES

Local : RUA DOUTOR PERES S/N, ES. JD DOS IPÊS

Propriedade : Prefeitura Municipal Barra do Garças

PROPRIETÁRIO:

PREFEITURA MUNICIPAL DE BARRA DO GARÇAS

Autor do projeto:

JHONATAN CONCEICAO DOS SANTOS:05339922146
Assinado de forma digital por JHONATAN CONCEICAO DOS SANTOS:05339922146
Dados: 2025.04.28 16:48:52 -03'00'

JHONATAN C. SANTOS
ENG. CIVIL - CREA-MT 47792

Área Construída: 259,51 m²
Dimensões: Metros
Escala : INDICADA
Arquivo : CAD
Data : 02/09/2024
Projetista : Autor