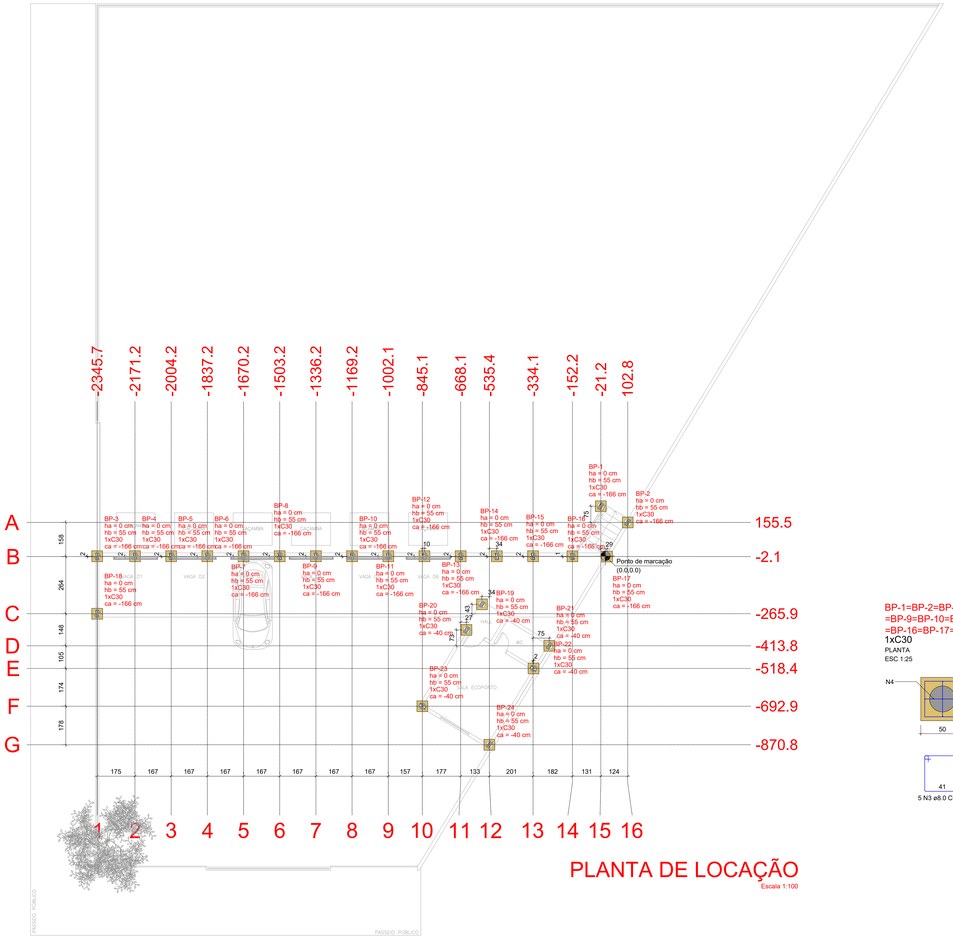


PLANTA DE LOCAÇÃO

Escala 1:100

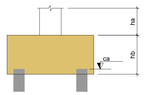
Pilar															Fundação					Bloco			
Nome	Seção (cm)	X (cm)	Y (cm)	Carga Máx. (tf)	Carga Mín. (tf)	Mx Máximo (kgf.m) Positivo	Mx Máximo (kgf.m) Negativo	My Máximo (kgf.m) Positivo	My Máximo (kgf.m) Negativo	Fx Máximo (tf) Positivo	Fx Máximo (tf) Negativo	Fy Máximo (tf) Positivo	Fy Máximo (tf) Negativo	Lado B (cm)	Lado H (cm)	h0 / ha (cm)	h1 / hb (cm)	ne	Estaca	ca	Base tub. (cm)
P-1	14x30	-21.2	230.6	0.8	0.7	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-166	-
P-2	14x30	102.8	155.5	0.7	0.7	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-166	-
P-3	14x30	-2345.7	-0.5	1.2	1.1	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-166	-
P-4	14x30	-2171.2	-0.5	1.1	1.1	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-166	-
P-5	14x30	-2004.2	-0.5	1.1	1.1	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-166	-
P-6	14x30	-1837.2	-0.5	1.1	1.1	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-166	-
P-7	14x30	-1670.2	-0.5	1.1	1.1	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-166	-
P-8	14x30	-1503.2	-0.5	1.1	1.1	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-166	-
P-9	14x30	-1336.2	-0.5	1.1	1.1	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-166	-
P-10	14x30	-1169.2	-0.5	1.1	1.1	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-166	-
P-11	14x30	-1002.1	-0.5	1.1	1.1	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-166	-
P-12	14x30	-835.1	-0.5	1.1	1.1	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-166	-
P-13	14x30	-668.1	-0.5	1.1	1.1	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-166	-
P-14	14x30	-501.1	-0.5	1.1	1.1	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-166	-
P-15	14x30	-334.1	-0.5	1.1	1.1	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-166	-
P-16	14x30	-152.2	-0.7	1.3	1.3	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-166	-
P-17	14x30	7.5	-2.1	0.9	0.9	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-166	-
P-18	14x30	-2345.7	-265.9	0.7	0.7	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-166	-
P-19	14x24	-569.8	-222.4	3.5	3.4	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-40	-
P-20	14x30	-641.3	-340.5	5.7	5.6	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-40	-
P-21	14x30	-259.1	-413.8	3.6	3.4	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-40	-
P-22	14x30	-331.7	-518.4	5.9	5.8	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-40	-
P-23	14x30	-845.1	-692.9	4.4	4.4	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-40	-
P-24	14x30	-535.4	-870.8	4.5	4.5	0	0	0	0	0	0.1	0.0	0.1	0.0	50	50	0	55	1	C30	-40	-

Os esforços indicados nesta tabela são os valores máximos obtidos pela envoltória de todas as combinações definidas para as fundações. Para análises complementares, deve-se consultar o relatório de esforços na fundação, que apresenta os valores calculados para cada combinação.

Locação no eixo X	
Coordenadas (cm)	Nome
-2345.7	P-3, P-18
-2171.2	P-4
-2004.2	P-5
-1837.2	P-6
-1670.2	P-7
-1503.2	P-8
-1336.2	P-9
-1169.2	P-10
-1002.1	P-11
-845.1	P-23
-835.1	P-12
-668.1	P-13
-641.3	P-20
-569.8	P-19
-535.4	P-24
-501.1	P-14
-334.1	P-15
-331.7	P-22
-259.1	P-21
-152.2	P-16
-21.2	P-1
7.5	P-17
102.8	P-2

Locação no eixo Y	
Coordenadas (cm)	Nome
230.6	P-1
155.5	P-2
-0.5	P-3, P-4, P-5, P-6, P-7, P-8, P-9, P-10, P-11, P-12, P-13, P-14, P-15
-0.7	P-16
-2.1	P-17
-222.4	P-19
-265.9	P-18
-340.5	P-20
-413.8	P-21
-518.4	P-22
-692.9	P-23
-870.8	P-24

Estacas				
Simbologia	Nome	Prof. (cm)	d (cm)	Quantidade
	C30	3.00	30.00	24



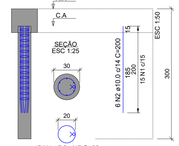
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BP-4=BP-5=BP-6
BP-7=BP-8=BP-9
BP-10=BP-11
BP-12=BP-13
BP-14=BP-15
BP-16=BP-17
BP-18=BP-19
BP-20=BP-21
BP-22=BP-23
BP-24 (1xC30)



LEGENDA DOS BLOCOS

Escala 1:25

ESTACA
24xC30



Relação do aço

24xC30

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	360	80	28800
CA50	2	10.0	144	200	28800

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	288	195.3
CA60	5.0	288	48.8
PESO TOTAL (kg)			
CA50	195.3		
CA60	48.8		

Volume de concreto (C-25) = 4.42 m³

RELAÇÃO DO AÇO

1bxBP-18,L1	6xBP-24,L2	2xP-1,L2
2xP-1,L1	16xP-3,L2	16xP-3,L1
P-19,L2	5xP-20,L2	

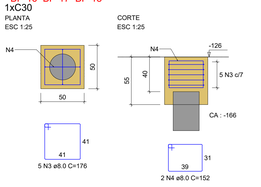
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	242	75	18150
	2	5.0	4	63	252
CA50	3	8.0	120	176	21120
	4	8.0	48	152	7296
	5	10.0	8	123	984
	6	10.0	34	92	3128
	7	12.5	64	123	7872
	8	12.5	64	100	6400

RESUMO DO AÇO

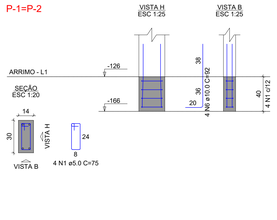
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	284.2	123.3
	10.0	41.1	27.9
	12.5	142.7	151.2
CA60	5.0	184	31.2
PESO TOTAL (kg)			
CA50	302.5		
CA60	31.2		

Volume de concreto (C-25) = 4.00 m³
Área de forma = 46.36 m²

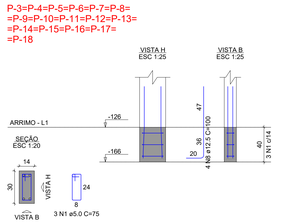
BP-1=BP-2=BP-3=BP-4=BP-5=BP-6=BP-7=BP-8 =BP-9=BP-10=BP-11=BP-12=BP-13=BP-14=BP-15 =BP-16=BP-17=BP-18
1xC30



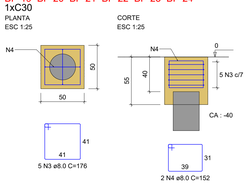
P-1=P-2



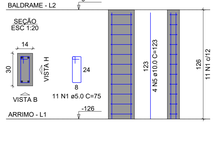
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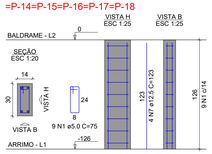
BP-19=BP-20=BP-21=BP-22=BP-23=BP-24
1xC30



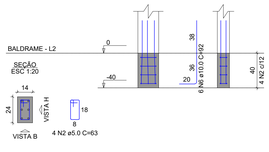
P-1=P-2



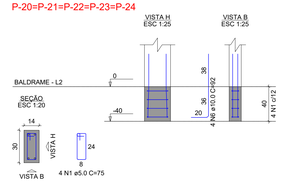
P-3=P-4=P-5=P-6=P-7=P-8= =P-9=P-10=P-11=P-12=P-13= =P-14=P-15=P-16=P-17=P-18



P-19



P-20=P-21=P-22=P-23=P-24



APROVAÇÃO:

REVISÃO	DATA	MODIFICAÇÃO
01		
02		
03		
04		
05		
06		
07		

CONSURSAN
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Fone: (62) 3645-3100

ESTRUTURAL

CLIENTE
PREFEITURA MUNICIPAL DE ITAJA

OBRA
CONSTRUÇÃO DO ECOPONTO

ENDEREÇO
RUA OROMZIBO MACHADO JUNIOR
ITAJA/GO

REFERENTE
PLANTA DE LOCAÇÃO, ARMADURA BLOCOS, ARMADURA ESTACAS
ARRANQUE DOS PILARES

ÁREAS
ÁREA LOTE: 1.081,34m²
EXTENSÃO DO MURO DE ARRIMO: 28,42 m
ÁREA DA EDIFICAÇÃO: 29,92 m²

A.R.T.
RENAN LUIZ DA SILVA DE JESUS
04115407182
ENG. CIVIL RENAN LUIZ DA SILVA DE JESUS
CREA: 101890243O/D-GO
Assinado digitalmente por RENAN LUIZ DA SILVA DE JESUS:04115407182
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PREF. MUNICIPAL DE ITAJA
CNPJ: 02.186.757/0001-47

Prancha Nº
1/3

Desenho	Revisão	Tamanho	Escala(s)	Unidade(s)	Data	ART Nº
RENAN	00	PERSONALIZADO	INDICADA	CENTÍMETROS	SETEMBRO DE 2026	