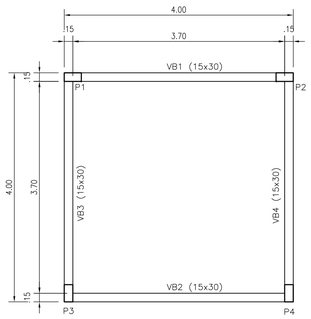
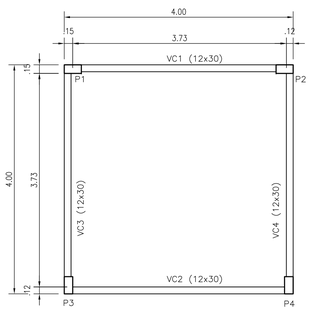
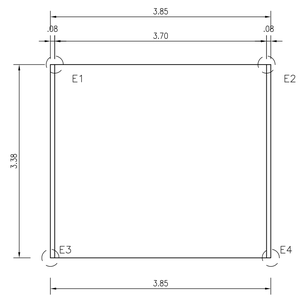
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



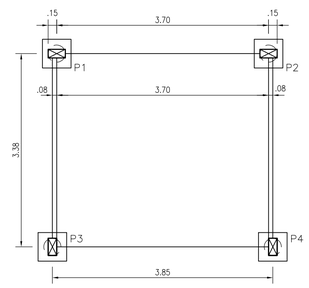
PLANTA BAIXA – FORMA DAS VIGAS BALDRAMES
ESC.: 1:50



PLANTA BAIXA – FORMA DAS VIGAS DE COBERTURA
ESC.: 1:50



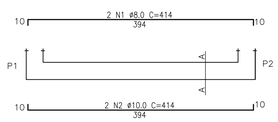
LOCAÇÃO DAS ESTACAS
ESC.: 1:50



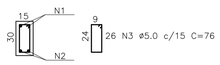
LOCAÇÃO DOS PILARES E BLOCOS
ESC.: 1:50

TABELA DE FERROS						
ÍTEM	AÇO	POS.	BIT (mm)	QUANT.	COMPRIMENTO	
					L UNIT	L TOTAL
VB1	50	1	8,0	2	494	988
	50	2	10,0	2	494	988
	60	3	5,0	31	76	2356
VB2	50	1	8,0	2	494	988
	50	2	10,0	2	494	988
	60	3	5,0	31	76	2356
VB3	50	1	8,0	2	454	908
	50	2	10,0	2	454	908
	60	3	5,0	27	76	2052
VB4	50	1	8,0	2	454	908
	50	2	10,0	2	454	908
	60	3	5,0	27	76	2052
VC1	50	1	8,0	2	474	948
	50	2	10,0	2	474	948
	60	3	5,0	31	70	2170
VC2	50	1	8,0	2	474	3940
	50	2	10,0	2	474	3940
	60	3	5,0	31	70	2170
VC3	50	1	8,0	2	454	908
	50	2	10,0	2	454	908
	60	3	5,0	27	70	1890
VC4	50	1	8,0	2	454	908
	50	2	10,0	2	454	908
	60	3	5,0	27	70	1890
PILARES 1 E 2	50	1	10,0	12	190	2280
	50	2	10,0	12	306	3672
	60	3	5,0	40	70	2800
PILARES 3 E 4	50	1	10,0	12	190	2280
	50	2	10,0	12	227	2724
	60	3	5,0	30	70	2100
BLOCOS (X4)	50	1	6,3	12	210	2520
	50	2	6,3	32	160	5120
ESTACAS (X4)	50	1	8,0	24	115	2760
	50	2	6,3	20	86	1720

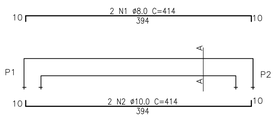
RESUMO DO AÇO CA50-60				
AÇO	BIT (mm)	COMP. (m)	PESO (Kg)	PESO + 10%
60	5,0	218	35	38
50	6,3	94	23	26
50	8,0	133	53	58
50	10,0	215	135	149
TOTAL				271



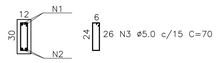
VB1–(15x30)



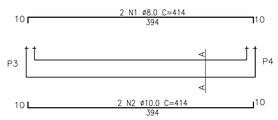
CORTE AA– Esc.: 1:25



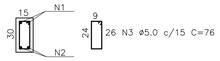
VC1–(12x30)



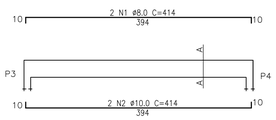
CORTE AA– Esc.: 1:25



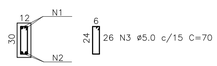
VB2–(15x30)



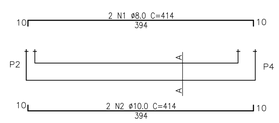
CORTE AA– Esc.: 1:25



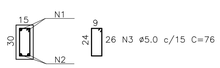
VC2–(12x30)



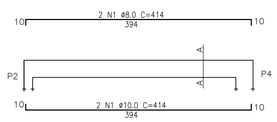
CORTE AA– Esc.: 1:25



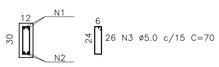
VB3–(15x30)



CORTE AA– Esc.: 1:25

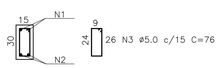


VC3–(12x30)

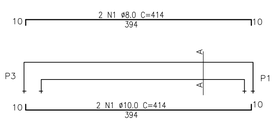


CORTE AA– Esc.: 1:25

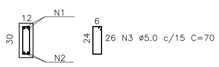
VB4–(15x30)



CORTE AA– Esc.: 1:25



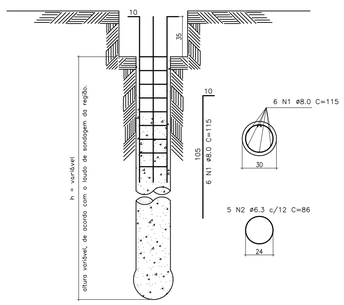
VC4–(12x30)



CORTE AA– Esc.: 1:25

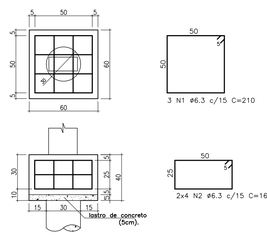
DETALHES DAS VIGAS BALDRAMES
ESC.: 1:50

DETALHES DAS VIGAS DE COBERTURA
ESC.: 1:50

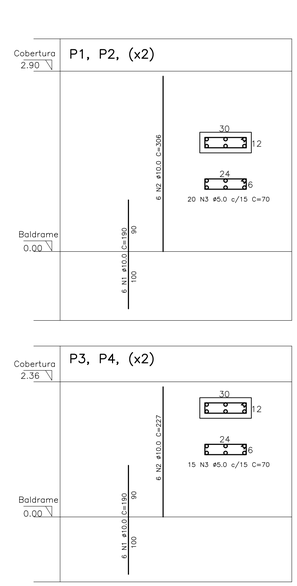


Concreto dos blocos e estacas Fck = 150 Kgf/cm2
de acordo com resistência do solo local
Recobrimento das estacas = 3 cm.
Recobrimento dos blocos = 5 cm.

DETALHE DAS ESTACAS (X4)
SEM ESCALA



DETALHE DOS BLOCOS (X4)
SEM ESCALA



DETALHE DOS PILARES
ESC.: 1:50

Nº	DATA	HISTÓRICO	AUTORIA	APROVAÇÃO
00	OUT/11	EMISSÃO	TECNOCAD	

NOTAS – CONVENÇÕES

CONCRETO	
CLASSE	C25 (25 MPa)
MÓDULO DE ELASTICIDADE INICIAL (Eci)	28000 MPa
FATOR ÁGUA/CIMENTO	< 0.48
UTILIZAR CIMENTO CP–III OU CP–IV	

COBRIMENTOS MÍNIMOS DAS ARMADURAS
GERAL: 3,0cm
OBS: Nesta obra deverá ser executado um controle rigoroso da qualidade e rígidos limites de tolerância da variabilidade destes cobrimentos mínimos.

RESUMO TOTAL DO PROJETO
VOLUME DE CONCRETO ESTRUTURAL – 2.41m³
ÁREA DE FORMAS – 23,82m²

SONDAGEM
SONDAGEM REALIZADA POR: ENGESOL ENGENHARIA DE SOLOS LTDA
DATA: 06 DE SETEMBRO DE 2011
R.T.: ENG. HOOVER VAN NEWTON PAOLUCCI CREA 6277/D

TABELA DE TRESPASSES
ø5.0 ==> 25cm
ø6.3 ==> 25cm
ø8.0 ==> 30cm
ø10.0 ==> 40cm
ø12.5 ==> 50cm
ø16.0 ==> 60cm
ø20.0 ==> 75cm

TECNOCAD ENGENHARIA
RESP.TÉC./A. PROJ.: CRISTOPH ARAÚJO GODINHO–CREA 7391/D–GO
tecnocad@tecnocad.eng.br
Fone/Fax: 062–3242.2456
Rua 104, N. 743 – Setor Sul – Goiânia – GO – CEP 74.080.240

SANEAMENTO DE GOIÁS S.A.

DES. / COPIA A.R.M.	DATA OUT/11	LOCAL / MUNICIPIO: RESIDENCIAL BEATRIZ NASCIMENTO/ GOIÂNIA	ORIGEM: TECNOCAD
PROJ. / CONFERE		TITULO: SISTEMA DE ESGOTOS SANITÁRIOS PROJETO ESTRUTURAL	COD. PROJETO
LÉVANT. / CALCULO		CASA DO REATOR U.V. PLANTA BAIXA E CORTES, DETALHE: VIGAS BALDRAMES, VIGAS COBERTURA, FUNDAÇÃO, LOCAÇÃO: DOS PILARES, BLOCOS E ESTACAS, LISTAS DE ARMADURAS E QUADRO RESUMO	HISTORICO (ALTERACAO): 0
GERÊNCIA: Arqt° Sebastião A. F. Filho			ESCALA: INDICADAS
SUPERINTENDÊNCIA: Eng° Godard Tedesco Vieira			FOLHA: 1/1
		AUTOR DO PROJETO	N. DO ARQUIVO

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PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT