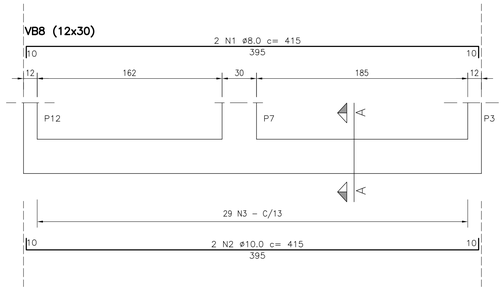
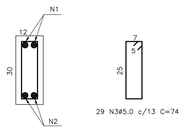
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

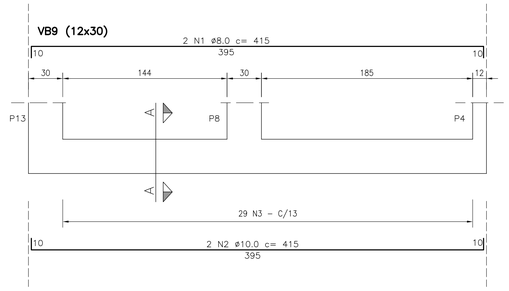
VB8 (12x30)



CORTE AA – ESC.: 1:10



VB9 (12x30)



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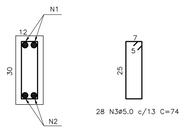
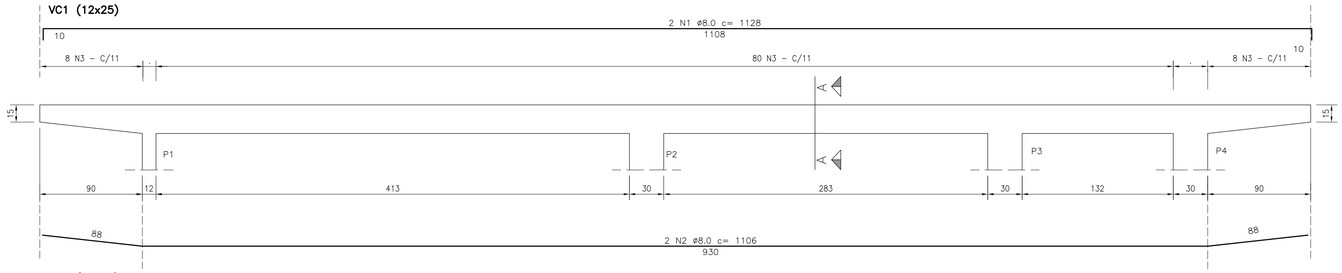


VC1 (12x25)



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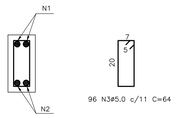
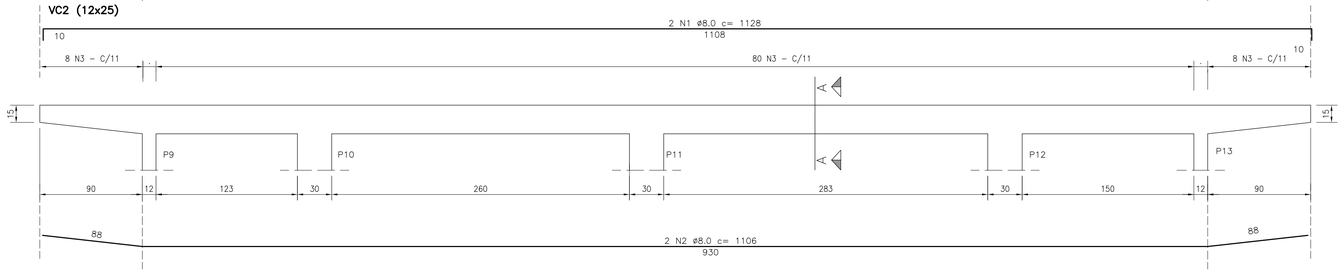


VC2 (12x25)



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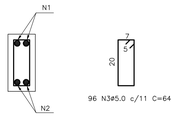
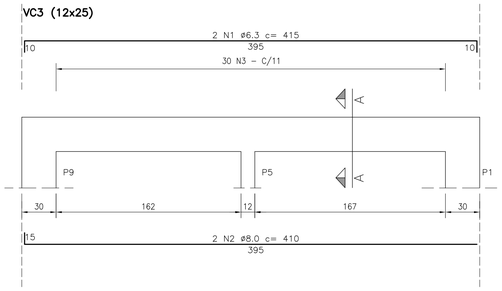
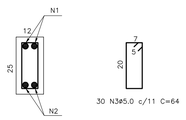


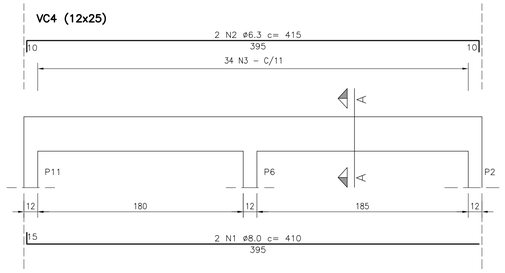
VC3 (12x25)



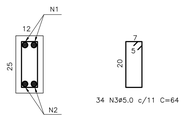
CORTE AA – ESC.: 1:10



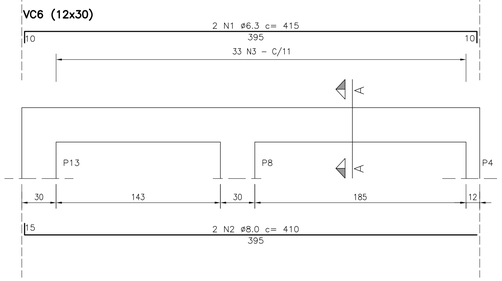
VC4 (12x25)



CORTE AA – ESC.: 1:10



VC6 (12x30)



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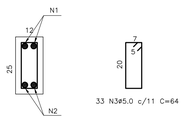
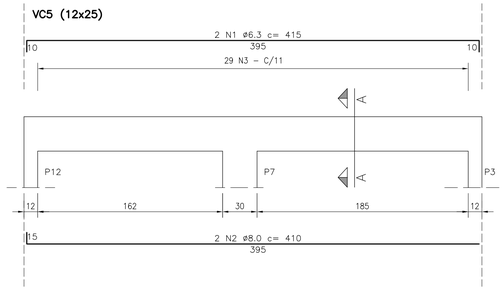


VC5 (12x25)



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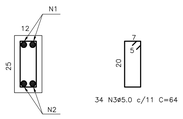

DETALHES VIGAS DE COBERTURA – ESC. 1:25

TABELA DE FERROS

ÍTEM	AÇO	POS.	BIT (mm)	QUANT.	COMPRIMENTO L UNIT	COMPRIMENTO L TOTAL
BLOCOS (X12)	50	1	6,3	36	210	7560
	50	2	6,3	96	160	15360
ESTACAS (X12)	50	1	8,0	72	115	8280
	50	2	6,3	60	86	5160
PILARES (X12)	50	1	10,0	48	360	17280
	60	2	5,0	312	74	23088
VB1 (12x30)	50	1	8,0	2	945	1890
	50	2	10,0	2	945	1890
	60	3	5,0	68	74	5032
VB2 (12x30)	50	1	8,0	2	452	904
	50	2	10,0	2	452	904
	60	3	5,0	29	74	2146
VB3 (12x30)	50	1	8,0	2	945	1890
	50	2	10,0	2	945	1890
	60	3	5,0	76	74	5624
VB4 (12x30)	50	1	8,0	2	415	830
	50	2	10,0	2	415	830
	60	3	5,0	26	74	1924
VB5 (12x30)	50	1	8,0	2	415	830
	50	2	10,0	2	415	830
	60	3	5,0	27	74	1998
VB6 (12x30)	50	1	8,0	2	223	446
	50	2	10,0	2	223	446
	60	3	5,0	14	74	1036
VB7 (12x30)	50	1	8,0	2	415	830
	50	2	10,0	2	415	830
	60	3	5,0	29	74	2146
VB8 (12x30)	50	1	8,0	2	415	830
	50	2	10,0	2	415	830
	60	3	5,0	28	74	2072
VB9 (12x30)	50	1	8,0	2	415	830
	50	2	10,0	2	415	830
	60	3	5,0	29	74	2146
VC1 (12x25)	50	1	8,0	2	1128	2256
	50	2	8,0	2	1106	2212
	60	3	5,0	96	64	6144
VC2 (12x25)	50	1	8,0	2	1128	2256
	50	2	8,0	2	1106	2212
	60	3	5,0	96	64	6144
VC3 (12x25)	50	1	8,0	2	415	830
	50	2	8,0	2	410	820
	60	3	5,0	30	64	1920
VC4 (12x25)	50	1	8,0	2	415	830
	50	2	8,0	2	410	820
	60	3	5,0	34	64	2176
VC5 (12x25)	50	1	8,0	2	415	830
	50	2	8,0	2	415	830
	60	3	5,0	34	64	2176
VC6 (12x25)	50	1	8,0	2	415	830
	50	2	8,0	2	410	820
	60	3	5,0	33	64	2112

RESUMO DO AÇO CA50-60

AÇO	BIT (mm)	COMP. (m)	PESO (Kg)	PESO + 10%
60	5,0	679	109	119
50	6.3	281	70	77
50	8,0	331	132	146
50	10,0	266	167	184
TOTAL				526

Nº	DATA	HISTÓRICO	AUTORIA	APROVAÇÃO
0	OUT/11	EMISSÃO	TECNOCAD	

NOTAS – CONVENÇÕES

1) UNIDADES EM CENTIMETROS E NÍVEIS EM METROS,
2) COBRIMENTOS DAS ARMADURAS:
   - VIGAS BALDRAMES = 3cm
   - VIGAS DA COBERTURA = 2.5cm
   - PILARES = 2cm
   - ESTACAS = 3cm
   - BLOCOS = 5cm
3) AÇO CA 50A
4) MANTER A CURA DO CONCRETO POR NO MÍNIMO 7 DIAS EVITANDO QUE O MESMO FIQUE EXPOSTO AO SOL SEM ESTAR UMIDECIDO.

RESUMO TOTAL DO PROJETO

CONCRETO FCK= 20.0MPa

- VIGAS BALDRAMES = 1,62m³
- VIGAS DA COBERTURA = 1,43m³
- PILARES = 1,08m³
- ESTACAS = 10,80
- BLOCOS = 1,20m³

FORMAS:

- VIGAS BALDRAMES = 190,00m²
- VIGAS DA COBERTURA = 174,50m²
- PILARES = 26,64m²
- ESTACAS = –
- BLOCOS = 9,6m²

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
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Rua 104, Nº 743 – Setor Sul – Goiânia – GO – CEP 74.080–240

BANCABO 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 ESGOTO SANITÁRIO PROJETO HIDRO ESTRUTURAL	CÓD. DE PROJETO: 478
LEVANT. / CALCULO			HISTORICO (ALTERACAO): 0
GERÊNCIA: Arqt° Sebastião A. F. Filho		ETE – CASA DE CONTROLE DETALHE ARMAÇÃO DAS VIGAS BALDRAMES	ESCALA: INDICADAS
SUPERINTENDÊNCIA: Eng° Godord Tedesco Vieira			FOLHA: 03/03
		AUTOR DO PROJETO	N. DO ARQUIVO

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F:\03 EM APROVACAO\G7N 478 1049 BUENA VISTA E BEATRIZ APTOS\478 ESGOTO\3 ESTRUTURAL\CASA DE CONTROLE\ESTRUT CASA DE CONTROLE BUENA VISTA 478.dwg
Save date: 10/19/2011 8:21