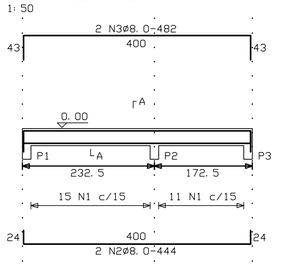
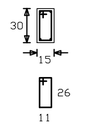
V1=V2=V5

1: 50

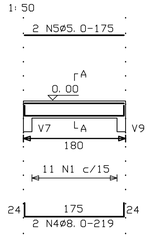


SECAÇÃO A-A
ESC 1: 25

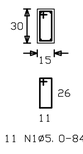


V3

1: 50

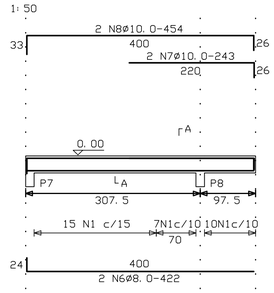


SECAÇÃO A-A
ESC 1: 25

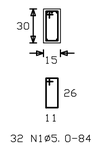


V4

1: 50

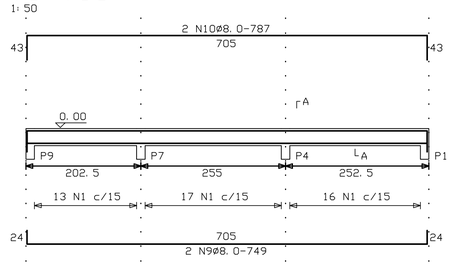


SECAÇÃO A-A
ESC 1: 25

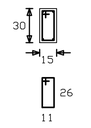


V6=V10

1: 50

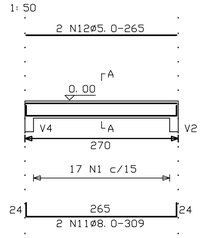


SECAÇÃO A-A
ESC 1: 25

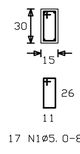


V7

1: 50

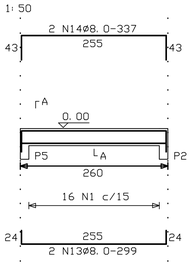


SECAÇÃO A-A
ESC 1: 25

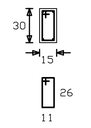


V8

1: 50

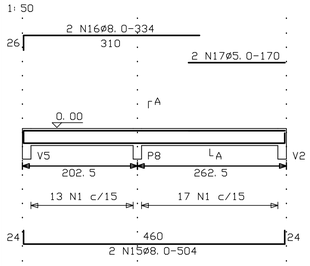


SECAÇÃO A-A
ESC 1: 25

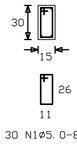


V9

1: 50

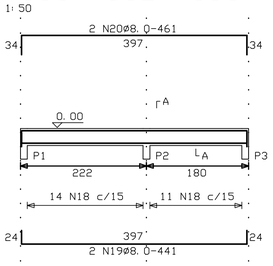


SECAÇÃO A-A
ESC 1: 25

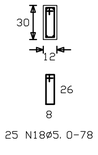


V101=V102=V103

1: 50

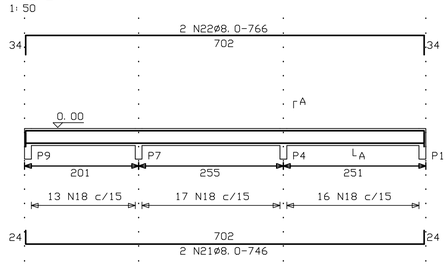


SECAÇÃO A-A
ESC 1: 25

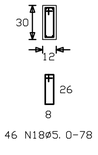


V104

1: 50

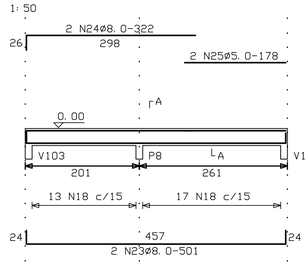


SECAÇÃO A-A
ESC 1: 25

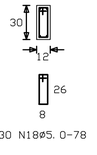


V105

1: 50

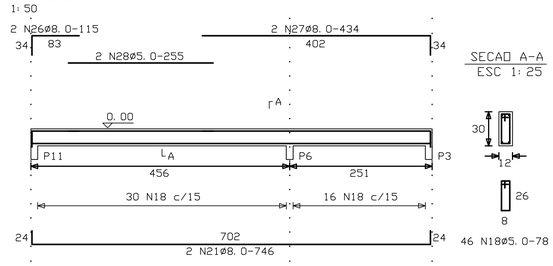


SECAÇÃO A-A
ESC 1: 25

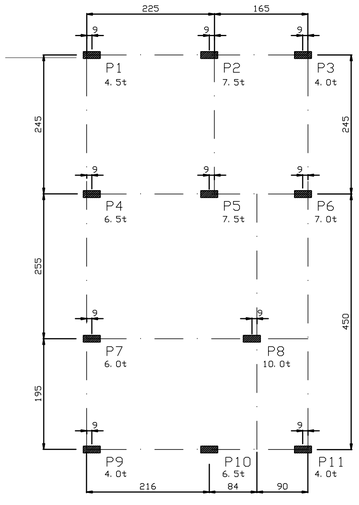


V106

1: 50

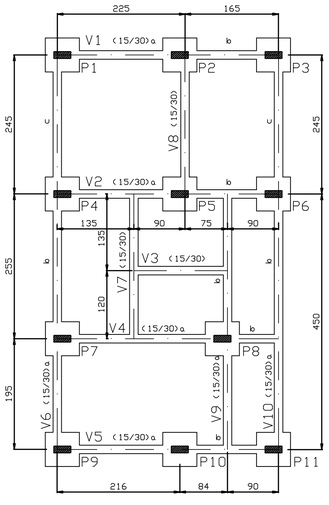


SECAÇÃO A-A
ESC 1: 25



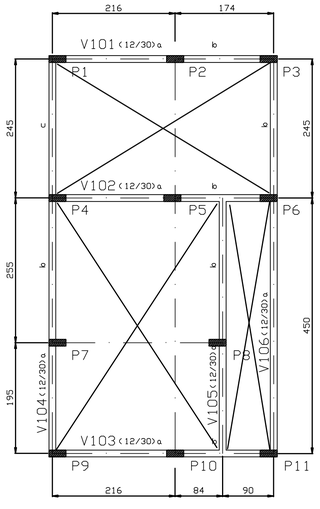
LOCACAO E CARGAS

ESC. 1: 50



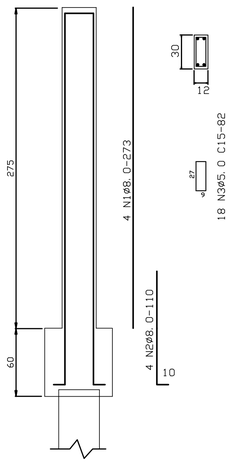
BALDRAMES

ESC. 1: 50



COBERTURA

ESC. 1: 50



PILARES (11x)

ESC. 1: 25

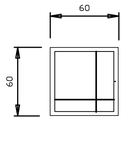
RELACAO DO ACO

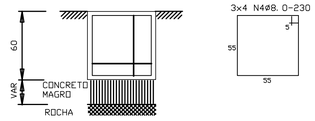
ACO	N	DIAM.	Q.	UNIT (cm)	C. TOTAL (cm)
50B	1	8. 0	44	273	12012
	2	8. 0	44	110	4840
	4	8. 0	132	230	30360
60	3	5. 0	198	82	16236

RESUMO DO ACO - PILAR E BLOCO

ACO	DIAM.	C. TOTAL (m)	PESO+ 5% (kgf)
CA50B	8. 0	472. 1	198
CA60	5. 0	162. 4	28
PESO TOTAL			
CA50B	198 kgf		
CA60	28 kgf		

Vol. concreto total = 3. 50 m3
Area de forma total = 41. 35 m2
fck = 200. 00 kgf/cm2





BLOCOS (11x)

ESC. 1: 25

RELACAO DO ACO

3x V1, 2x V6, V9, V105, V3, V7, 3x V101, V106, V4, V8, V104

ACO	N	DIAM.	Q.	UNIT (cm)	C. TOTAL (cm)
50B	2	8. 0	6	444	2664
	3	8. 0	6	482	2892
	4	8. 0	2	219	438
	6	8. 0	2	422	844
	9	8. 0	4	749	2996
	10	8. 0	4	787	3148
	11	8. 0	2	309	618
	13	8. 0	2	299	598
	14	8. 0	2	337	674
	15	8. 0	2	504	1008
	16	8. 0	2	334	668
	19	8. 0	6	441	2646
	20	8. 0	6	461	2766
	21	8. 0	4	746	2984
	22	8. 0	2	766	1532
	23	8. 0	2	501	1002
	24	8. 0	2	322	644
	26	8. 0	2	115	230
	27	8. 0	2	434	868
	7	10. 0	2	243	486
	8	10. 0	2	454	908
60	1	5. 0	276	84	23184
	5	5. 0	2	175	350
	12	5. 0	2	265	530
	17	5. 0	2	170	340
	18	5. 0	197	78	15366
	25	5. 0	2	178	356
	28	5. 0	2	255	510

RESUMO DO ACO - VIGAS

ACO	DIAM.	C. TOTAL (m)	PESO+ 5% (kgf)
CA50B	8. 0	292. 2	121
CA50B	10. 0	13. 9	9
CA60	5. 0	406. 3	67
PESO TOTAL			
CA50B	130 kgf		
CA60	67 kgf		

Vol. concreto total = 3. 01 m3
Area de forma total = 53. 80 m2
fck = 200. 00 kgf/cm2

ESC. 1: 25

No.	Data	Discriminação	Verificação	Aprovação
0	12/08	EMISSÃO		

Revisões

No. Documento	Títulos

Documentos de Referência

Observações

1 – DIMENSÕES E COTAS TOPOGRÁFICAS EM METRO, DIÂMETROS EM MILÍMETRO, EXCETO ONDE SE ENCONTRA OUTRA INDICAÇÃO.

senha engenharia

			RUBRICA
DATA: 12/08	PROJ. / DES.	Alex Sandro	
		Tânia Franco – CREA nº 5235/D-GO Karla Isabelita – CREA nº 12.600/D-DF	
CONTRATO/PROJETO: 107-001	ENG°	Carlos Joadir Mendes CREA nº 2127/D-DF	
	DESM.	Francisco Humberto R. da Cunha – CREA nº 3.706/D-GO Porfiro José Borges Alves Neto – CREA nº 7.792/D-GO	

IDENTIFICAÇÃO P A A T E P A D 0 1 B 0 0

11ª Avenida, Nº 817, Setor Universitário, Goiânia, Goiás - Fone (62)3202-4777 - E-mail: senha@cultura.com.br

CODEVASF

MINISTÉRIO DA INTEGRAÇÃO NACIONAL
COMPANHIA DE DESENVOLVIMENTO DOS VALES DO SÃO FRANCISCO E DO PARNAÍBA
5ª SUPERINTENDÊNCIA REGIONAL

DES/DÓPIA:	DATA: 12/08	LOCAL/CIDADE: PÃO DE AÇUCAR / SÃO JOSÉ	ORIGEM: Senha
PROJ/CONFERE:		CONTEÚDO: SISTEMA DE ABASTECIMENTO DE ÁGUA PROJETO BÁSICO	NÚMERO DE ORIGEM: PA/A/1/EPA/D01
LEVANTAMENTO:		AREA DA ETA ESTRUTURA DE CONCRETO ESTRUTURAL	HISTÓRICO(alteração): B00
GESTOR:		CASA DE QUIMICA VIGAS, LOCAÇÃO DE CARGAS, BALDRAMES, COBERTURA, PILARES, BLOCOS	ESCALA: 1:25/1:50
GERÊNCIA:			FOLHA: 01/10
COORDENADOR: Engº Alessandro Francisco da Silva DEC 1128/2008			NÚMERO DO CONTRATO: 0.06.08.0161-00