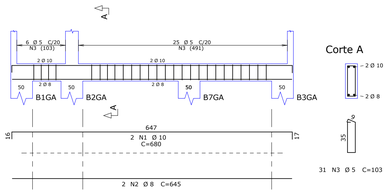
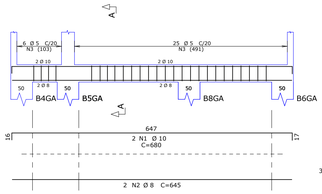
V1GA 14X40



Corte A

31 N3 Ø 5 C=103

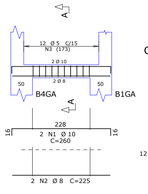
V2GA 14X40



Corte A

31 N3 Ø 5 C=103

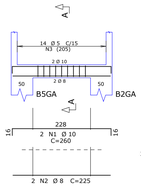
V3GA 14X30



Corte A

12 N3 Ø 5 C=83

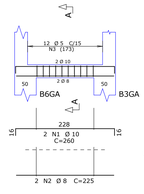
V4GA 14X30



Corte A

14 N3 Ø 5 C=83

V5GA 14X30



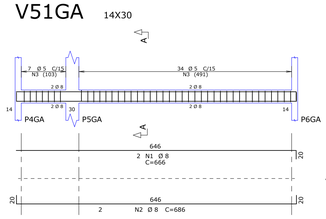
Corte A

12 N3 Ø 5 C=83

AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
V1GA					
50A	1	10	2	680	1360
50A	2	8	2	645	1290
60B	3	5	31	103	3193
V2GA					
50A	1	10	2	680	1360
50A	2	8	2	645	1290
60B	3	5	31	103	3193
V3GA					
50A	1	10	2	260	520
50A	2	8	2	225	450
60B	3	5	12	83	996
V4GA					
50A	1	10	2	260	520
50A	2	8	2	225	450
60B	3	5	14	83	1162
V5GA					
50A	1	10	2	260	520
50A	2	8	2	225	450
60B	3	5	12	83	996

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
60B	5	95	15
50A	8	39	16
50A	10	43	26
Peso Total	60B =		15 kgf
Peso Total	50A =		42 kgf

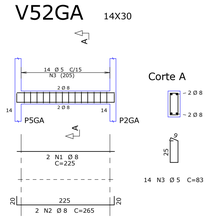
V51GA 14X30



Corte A

41 N3 Ø 5 C=83

V52GA 14X30



Corte A

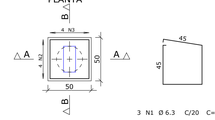
14 N3 Ø 5 C=83

AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
V51GA					
50A	1	8	2	666	1332
50A	2	8	2	686	1372
60B	3	5	41	83	3403
V52GA					
50A	1	8	2	225	450
50A	2	8	2	265	530
60B	3	5	14	83	1162

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
60B	5	46	7
50A	8	37	15
Peso Total	60B =		7 kgf
Peso Total	50A =		15 kgf

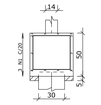
BLOCOS DOS GASES (ESCALA 1:25) 8X

PLANTA

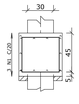


3 N1 Ø 6.3 C/20 C=196

CORTE A - A



CORTE B - B



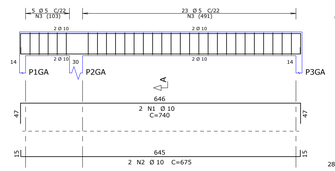
4 N2 Ø 8 C=182

4 N3 Ø 8 C=184

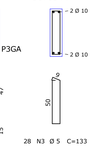
AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
BLOCOS DOS GASES (X8)					
50A	1	6.3	18	196	4704
50A	2	8	24	182	5824
50A	3	8	24	184	5888

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
50A	6.3	35	12
50A	8	88	46
Peso Total	50A =		58 kgf

V101GA 14X55

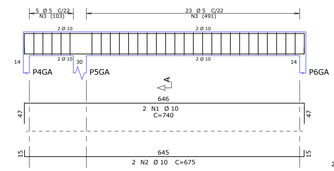


Corte A



28 N3 Ø 5 C=133

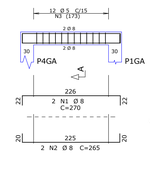
V102GA 14X55



Corte A

28 N3 Ø 5 C=133

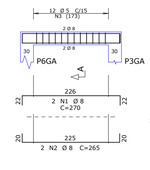
V103GA 14X30



Corte A

12 N3 Ø 5 C=83

V104GA 14X30



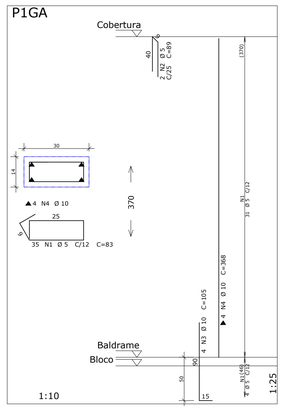
Corte A

12 N3 Ø 5 C=83

AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
V101GA					
50A	1	10	2	740	1480
50A	2	10	2	675	1350
60B	3	5	28	133	3724
V102GA					
50A	1	10	2	740	1480
50A	2	10	2	675	1350
60B	3	5	28	133	3724
V103GA					
50A	1	8	2	270	540
50A	2	8	2	265	530
60B	3	5	12	83	996
V104GA					
50A	1	8	2	270	540
50A	2	8	2	265	530
60B	3	5	12	83	996

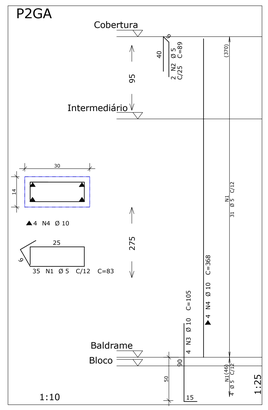
RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
60B	5	94	15
50A	8	21	8
50A	10	57	35
Peso Total	60B =		15 kgf
Peso Total	50A =		43 kgf

P1GA



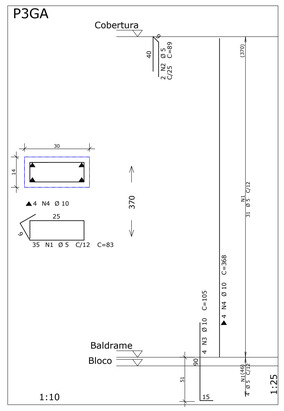
1:10 1:25

P2GA



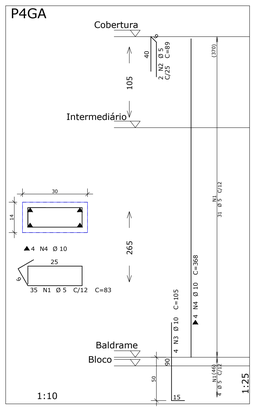
1:10 1:25

P3GA



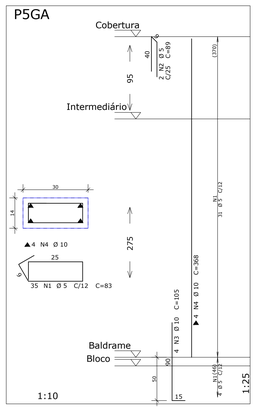
1:10 1:25

P4GA



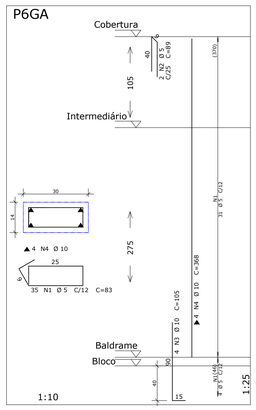
1:10 1:25

P5GA



1:10 1:25

P6GA

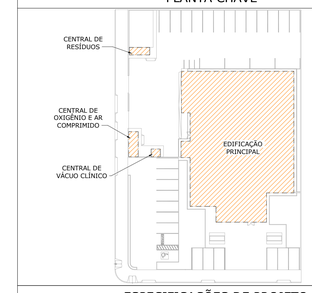


1:10 1:25

AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
P1GA					
60B	1	5	35	83	2905
60B	2	5	2	89	178
50A	3	10	4	105	420
50A	4	10	4	368	1472
P2GA					
60B	1	5	35	83	2905
60B	2	5	2	89	178
50A	3	10	4	105	420
50A	4	10	4	368	1472
P3GA					
60B	1	5	35	83	2905
60B	2	5	2	89	178
50A	3	10	4	105	420
50A	4	10	4	368	1472
P4GA					
60B	1	5	35	83	2905
60B	2	5	2	89	178
50A	3	10	4	105	420
50A	4	10	4	368	1472
P5GA					
60B	1	5	35	83	2905
60B	2	5	2	89	178
50A	3	10	4	105	420
50A	4	10	4	368	1472
P6GA					
60B	1	5	35	83	2905
60B	2	5	2	89	178
50A	3	10	4	105	420
50A	4	10	4	368	1472

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
60B	5	185	28
50A	10	114	70
Peso Total	60B =		28 kgf
Peso Total	50A =		70 kgf

PLANTA CHAVE



ESPECIFICAÇÕES DE PROJETO

1. UNIDADES EM CENTÍMETROS, NÍVEIS EM METROS, EXCETO ONDE INDICADO O CONTRÁRIO;
2. ESTE PROJETO ATENDE AS ESPECIFICAÇÕES DA NORMA NBR-6118:2014;
3. AS ARMADURAS DEVEM ESTAR LIMPAS, DE ACORDO COM O QUE SE ESTABELECE NAS NORMAS DE EXECUÇÃO, COM AS FERRAGENS DEVIDAMENTE POSICIONADAS CONFORME INDICA O PROJETO, UTILIZANDO-SE DE POSICIONADORES E ESPAÇADORES ADEQUADOS, GARANTINDO OS COBRIMENTOS;
4. AÇOS: CA50 (fy ≥ 500MPa) / CA60 (fy ≥ 600MPa);
5. PREVER INSERTS METÁLICOS PARA FIXAÇÃO DA ESTRUTURA METÁLICA, NOS ELEMENTOS PERTINENTES (VER PROJETO DE ESTRUTURA METÁLICA);
6. DEMAIS CONSIDERAÇÕES VIDE PRANCHA DE FORMAS;
7. TODAS AS MEDIDAS E DIMENSÕES DEVEM SER CONFERIDAS NA OBRA.

COBRIMENTOS MÍNIMOS	
ELEMENTOS	VALORES (cm)
VIGAS E PILARES	2,5
LAJES	2,0
FUNDAÇÕES	2,5

REVISÕES

REVISÃO	DATA	ASSUNTO
R00	01/04/2022	EMISSÃO INICIAL
R01	18/04/2022	REVISÃO GERAL
R02	26/04/2022	REVISÃO CONFORME PARECER 063/2022

PARANÁ GOVERNO DO ESTADO

GOVERNO DO ESTADO DO PARANÁ
SECRETARIA DA SAÚDE
SESA
SETOR DE PROJETOS

SECRETARIA DA SAÚDE

PROPRIETÁRIO:	MUNICÍPIO:
SECRETARIA DA SAÚDE DO PARANÁ - SESA	DIVERSOS
OBRA:	ESCRITÓRIO REGIONAL:
PRONTO ATENDIMENTO MUNICIPAL - PROJETO PADRÃO	DIVERSOS
LOCAL: DIVERSOS	TIPO: CONSTRUÇÃO DE EDIFICAÇÃO EM ALVENARIA PARA FINS DE SAÚDE

AUTOR DO PROJETO/ REGISTRO PROF.: THIAGO XAVIER CREA PR-150125/D

PROPRIETÁRIO: SECRETARIA DA SAÚDE DO PARANÁ - SESA

RESPONSÁVEL PELO MUNICÍPIO:

RESPONSÁVEL PELO EAS:

PROJETISTA
MEP - Arquitetura e Planejamento
RUA MILTON GAVETTI, 368 - JD. UNIVERSITÁRIO - LONDRINA/PR
TEL.:+55 (43) 3328-1020 / mep@meparquitetura.arq.br

COORDENADOR:
CARLOS MARCHESI - ARQUITETO CAU/PR A32642-9

PROJETO:
ESTRUTURAL - CONCRETO ARMADO

REFERÊNCIA:
ARMADURAS - ANEXOS - CENTRAL DE GASES

DATA: MEP_ARQUITETURA E PLANEJAMENTO 20/04/2022

ESCALA DO DESENHO: INDICADA

ARQUIVO: EST_PE_PAM_018_R02

EST 018