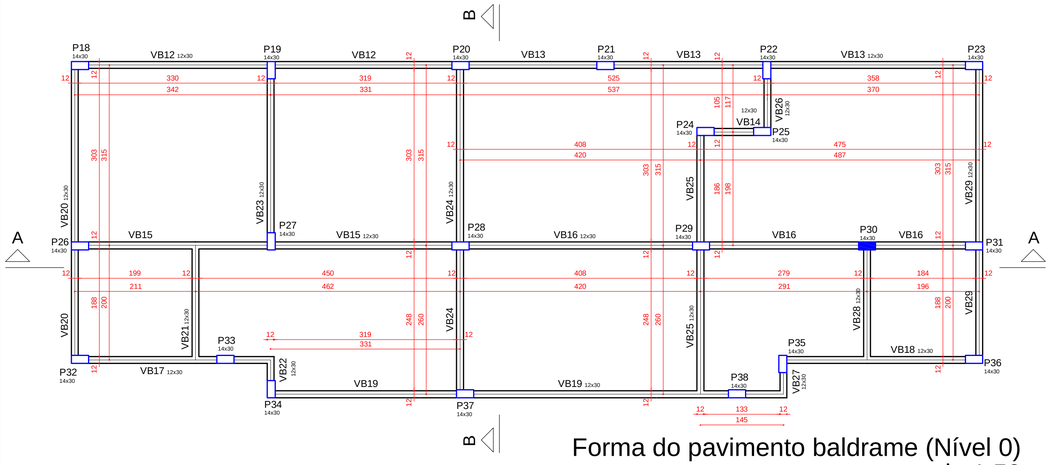


Forma do pavimento baldrame (Nível 0)
escala 1:50

- as vigas baldrame deverão ser impermeabilizadas

Características dos materiais

Elemento	fck (kgf/cm²)	Ecs (kgf/cm²)
Vigas	250	280000
Pilares	250	280000
Blocos	200	212874

Legenda dos Pilares

- Pilar que morre
- Pilar que passa
- Pilar que nasce
- Pilar com mudança de seção

Relação do aço

VB12	VB13	VB14
VB15	VB16	VB17
VB18	VB19	VB20
VB21	VB22	VB23
VB24	VB25	VB26
VB27	VB28	VB29

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	487	72	35064
	2	5.0	5	153	765
CA50	3	8.0	6	689	4134
	4	8.0	4	921	3684
	5	8.0	6	123	738
	6	8.0	2	696	1392
	7	8.0	2	222	444
	8	8.0	2	206	412
	9	8.0	2	356	712
	10	8.0	1	204	204
	11	8.0	2	362	724
	12	8.0	2	74	148
	13	8.0	2	88	176
	14	8.0	2	521	1042
	15	8.0	2	549	1098
	16	8.0	2	474	948
	17	8.0	2	502	1004
	18	8.0	2	137	274
	19	8.0	2	76	152
	20	8.0	2	90	180
	21	8.0	2	214	428
	22	8.0	2	242	484
	23	10.0	2	921	1842
	24	10.0	2	931	1862
	25	10.0	2	350	700
	26	10.0	2	369	738
	27	10.0	2	910	1820
	28	10.0	2	508	1016
	29	10.0	2	435	870
	30	10.0	2	323	646
	31	10.0	1	132	132
	32	10.0	2	342	684
	33	10.0	2	581	1162
	34	10.0	2	600	1200
	35	10.0	2	521	1042
	36	10.0	2	540	1080

Resumo do aço

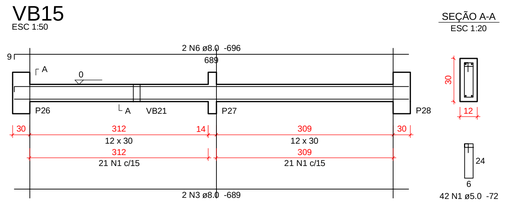
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	183.8	79.8
	10.0	148	100.3
CA60	5.0	358.3	60.7

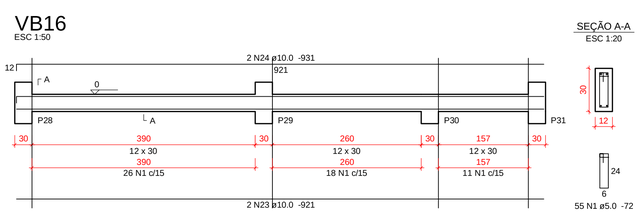
PESO TOTAL (kg)	
CA50	180.1
CA60	60.7

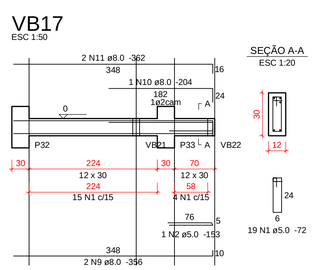
Volume de concreto (C-25) = 2.93 m³
Área de forma = 50.04 m²

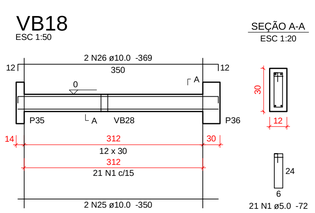
OBSERVAÇÕES:
- cobrimento para vigas e pilares = 3cm
- o sentido das lajes deverá ser rigorosamente obedecido

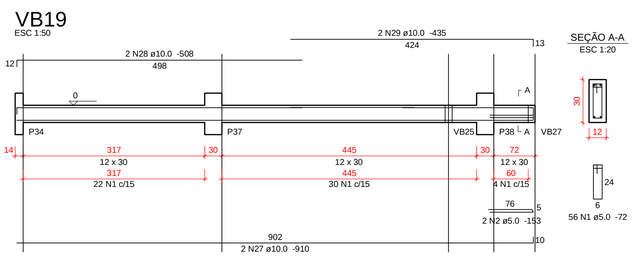
Vigas Baldrame - FCK=25 MPa

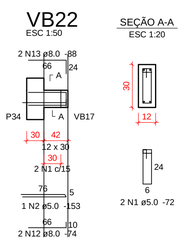


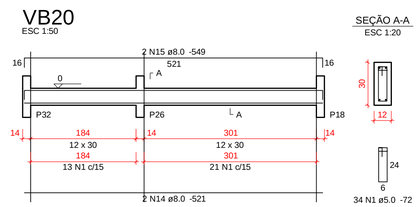


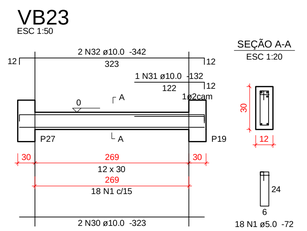


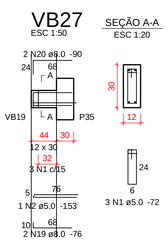


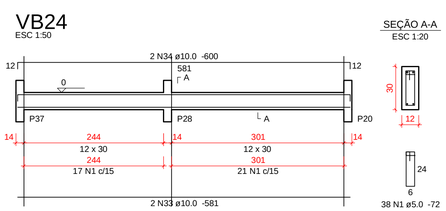


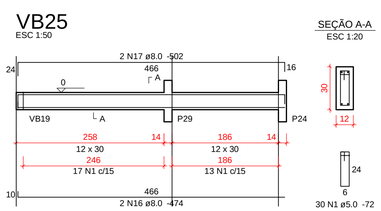


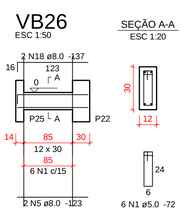


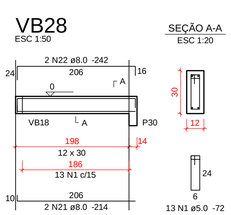


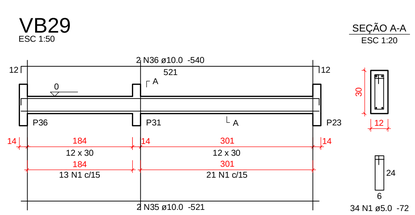


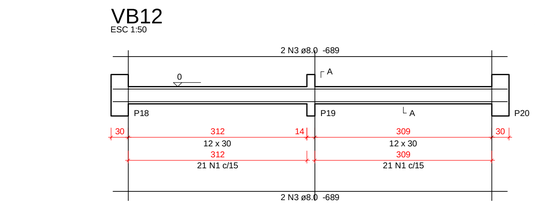


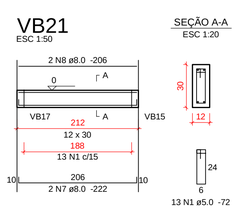


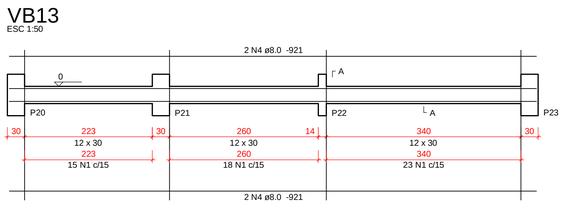


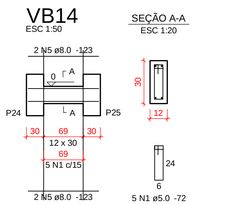












PREFEITURA MUNICIPAL DE GOIÂNIA

SEINFRA - SECRETARIA MUNICIPAL DE INFRAESTRUTURA E SERVIÇOS PÚBLICOS

DIRETORIA DE POLÍTICAS E PROGRAMAÇÃO DE OBRAS PÚBLICAS - GERÊNCIA DE ESTUDOS E PROJETOS

OBRA:

CMEI VILA SANTA HELENA
- MODIFICAÇÃO COM ACRÉSCIMO DE ÁREA E REFORMA -

LOCAL: RUA 15 C/ RUA DA DIVISA C/ RUA J - VILA SANTA HELENA - GOIÂNIA - GO

GESTOR(A) RESPONSÁVEL:
SECRETARIA MUNICIPAL DE EDUCAÇÃO - SME

AUTOR DO PROJETO:
Eng.º Civil RENATO RIBEIRO DE PAIVA - CREA/GO 7303/D
SECRETARIA MUNICIPAL DE OBRAS E SERVIÇOS PÚBLICOS
- SEINFRA -

-ESTRUTURAL-

CONTEÚDO: Bloco Administrativo
- Forma do pavimento Baldrame
- Detalhes das vigas Baldrame

PRANCHA: 3/4

ESCALA: Indicadas

QUADRO DE ÁREAS

ÁREA A SER CONTRUÍDA: 176,20m²

ARQUIVO DIGITAL:	NUM. PAV.:	DESENHO:	DATA:
CMEI - Vila Santa Helena - Estrutural - 2018	01	RENATO	Junho/ 2018

APROVAÇÃO:

DIREITOS AUTORAIS RESERVADOS, VEDADA A REPRODUÇÃO TOTAL OU PARCIAL LEI 9610/ 98.

FORMATO: 900 x 594