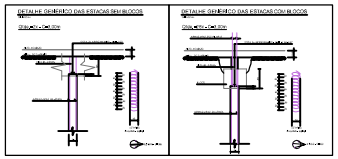
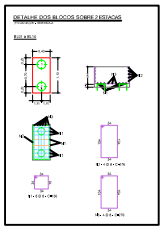
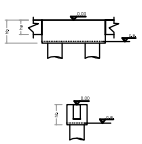
FORMA FUNDAÇÃO / VIGAS BALDRAME
ESCALA 1:75



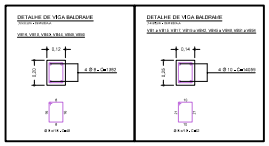


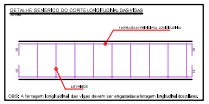
Estacas		
Simbologia	Ø (cm)	Qtde.
	25	54



Estacas						Blocos		
Nome	Carga Máx(tf)	H (cm)	Qtde.	c.a. (cm)	Lado B	Lado H	hb
P01	2,5	3,0	1	-23,0	-	-	-
P02	2,5	3,0	1	-23,0	-	-	-
P03	2,0	3,0	1	-23,0	-	-	-
P04	3,0	3,0	2	-37,0	110,0	40,0	40,0
P05	2,0	3,0	1	-23,0	-	-	-
P06	3,5	3,0	2	-37,0	110,0	40,0	40,0
P07	3,5	3,0	2	-37,0	110,0	40,0	40,0
P08	2,0	3,0	1	-23,0	-	-	-
P09	3,0	3,0	2	-37,0	110,0	40,0	40,0
P10	3,0	3,0	2	-37,0	110,0	40,0	40,0
P11	3,0	3,0	2	-37,0	110,0	40,0	40,0
P12	2,0	3,0	1	-23,0	-	-	-
P13	3,0	3,0	2	-37,0	110,0	40,0	40,0
P14	1,5	3,0	1	-23,0	-	-	-
P15	2,0	3,0	1	-23,0	-	-	-
P16	2,5	3,0	1	-23,0	-	-	-
P17	1,5	3,0	1	-23,0	-	-	-
P18	1,5	3,0	1	-23,0	-	-	-
P19	1,5	3,0	1	-23,0	-	-	-
P20	2,0	3,0	1	-23,0	-	-	-
P21	2,0	3,0	1	-23,0	-	-	-
P22	2,0	3,0	1	-23,0	-	-	-
P23	2,5	3,0	1	-23,0	-	-	-
P24	2,5	3,0	1	-23,0	-	-	-
P25	2,5	3,0	1	-23,0	-	-	-
P26	2,5	3,0	1	-23,0	-	-	-
P27	2,5	3,0	1	-23,0	-	-	-
P28	2,0	3,0	1	-23,0	-	-	-
P29	1,5	3,0	1	-23,0	-	-	-
P30	3,0	3,0	2	-37,0	110,0	40,0	40,0
P31	2,0	3,0	1	-23,0	-	-	-
P32	3,0	3,0	2	-37,0	110,0	40,0	40,0
P33	3,0	3,0	2	-37,0	110,0	40,0	40,0
P34	3,0	3,0	2	-37,0	110,0	40,0	40,0
P35	3,0	3,0	2	-37,0	110,0	40,0	40,0
P36	3,0	3,0	2	-37,0	110,0	40,0	40,0
P37	2,0	3,0	1	-23,0	-	-	-
P38	3,0	3,0	2	-37,0	110,0	40,0	40,0
INDEPENDENTE	1,0	3,0	2	-23,0			

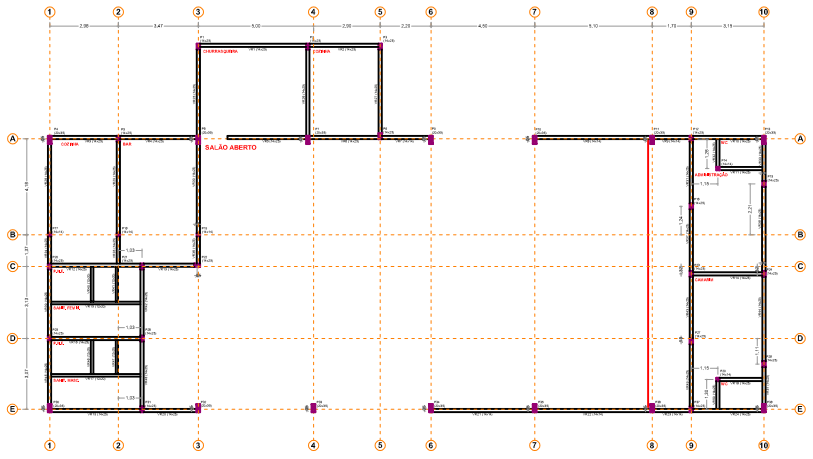
Vigas Baldrame			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
VB01	14x25	-25	0
VB02	14x25	-25	0
VB03	14x25	-25	0
VB04	14x25	-25	0
VB05	14x25	-25	0
VB06	14x25	-25	0
VB07	14x25	-25	0
VB08	14x25	-25	0
VB09	14x25	-25	0
VB10	14x25	-25	0
VB11	14x25	-25	0
VB12	14x25	-25	0
VB13	14x25	-25	0
VB14	14x25	-25	0
VB15	14x25	-25	0
VB16	12x20	-20	0
VB17	14x25	-25	0
VB18	12x20	-20	0
VB19	14x25	-25	0
VB20	14x25	-25	0
VB21	14x25	-25	0
VB22	14x25	-25	0
VB23	14x25	-25	0
VB24	14x25	-25	0
VB25	14x25	-25	0
VB26	14x25	-25	0
VB27	14x25	-25	0
VB28	14x25	-25	0
VB29	14x25	-25	0
VB30	14x25	-25	0
VB31	14x25	-25	0
VB32	14x25	-25	0
VB33	14x25	-25	0
VB34	14x25	-25	0
VB35	14x25	-25	0
VB36	14x25	-25	0
VB37	14x25	-25	0
VB38	14x25	-25	0
VB39	14x25	-25	0
VB40	14x25	-25	0
VB41	14x25	-25	0
VB42	14x25	-25	0
VB43	12x20	-20	0
VB44	12x20	-20	0
VB45	14x25	-25	0
VB46	14x25	-25	0
VB47	14x25	-25	0
VB48	14x25	-25	0
VB49	12x20	-20	0
VB50	12x20	-20	0
VB51	14x25	-25	0
VB52	14x25	-25	0
VB53	14x25	-25	0
VB54	14x25	-25	0





Características dos Materiais		
Elemento	fck(kgf/cm²)	E.c.a.(kgf/cm²)
Vigas	250	238000
Pilares	250	238000
Blocos	250	238000

ESTRUTURA	AÇO	Ø	PESO (kg)	C. TOTAL (m)	VOLUME (m³)	FORMA (m²)
Estacas	CA60	4,2	40,4	1710,0	4,62	-
	CA50	8	2.252	970,0		
Blocos	CA60	-	-	-	2,59	17,64
	CA50	8	1181,4	484,5		
	CA60	5	127,7	624,5		
Vigas Baldrame	CA60	5	22,9	98,1	5,52	90,96
	CA50	10	3844,3	5915,9		
					TOTAL	12,73	108,62



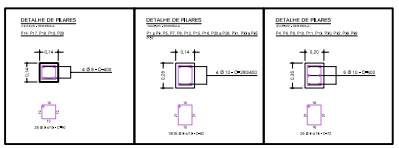
FORMA VIGAS DE RESPALDO
ESCALA 1:75

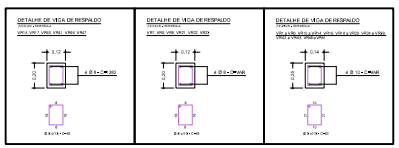
Características dos Materiais		
Elemento	fck(kgf/cm²)	E.c.a.(kgf/cm²)
Vigas	250	238000
Pilares	250	238000
Blocos	250	238000

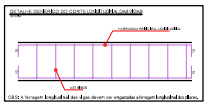
Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	14x25	0	280
P2	14x25	0	280
P3	14x25	0	280
P4	20x35	0	400
P5	14x25	0	400
P6	20x35	0	400
P7	20x35	0	400
P8	14x25	0	400
P9	20x35	0	400
P10	20x35	0	400
P11	20x35	0	400
P12	14x25	0	400
P13	20x35	0	400
P14	14x14	0	280
P15	14x25	0	400
P16	14x25	0	400
P17	14x14	0	400
P18	14x14	0	400
P19	14x14	0	400
P20	14x25	0	400
P21	14x25	0	400
P22	14x25	0	400
P23	14x25	0	400
P24	14x25	0	400
P25	14x25	0	400
P26	14x25	0	280
P27	14x25	0	400
P28	14x25	0	400
P29	14x14	0	280
P30	20x35	0	400
P31	14x25	0	400
P32	20x35	0	400
P33	20x35	0	400
P34	20x35	0	400
P35	20x35	0	400
P36	20x35	0	400
P37	14x25	0	400
P38	20x35	0	400

Vigas Respaldo			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
VR1	14x25	255	280
VR2	14x25	255	280
VR3	14x25	375	400
VR4	14x25	375	400
VR5	14x25	65	90
VR6	14x25	375	400
VR7	14x14	26	40
VR8	14x14	26	40
VR9	14x14	26	40
VR10	14x25	375	400
VR11	14x25	375	400
VR12	14x25	375	400
VR13	14x25	375	400
VR14	14x25	375	400
VR15	12X20	260	280
VR16	14x25	375	400
VR17	12X20	260	280
VR18	14x25	375	400
VR19	14x25	375	400
VR20	14x25	375	400
VR21	14x14	26	40
VR22	14x14	26	40
VR23	14x14	375	400
VR24	14x25	375	400
VR25	14x25	255	280
VR26	14x25	255	280
VR27	14x25	255	280
VR28	14x25	375	400
VR29	14x25	375	400
VR30	14x25	375	400
VR31	14x25	375	400
VR32	14x25	375	400
VR33	14x25	375	400
VR34	14x25	375	400
VR35	14x25	375	400
VR36	14x25	375	400
VR37	14x25	375	400
VR38	14x25	375	400
VR39	14x25	375	400
VR40	12X20	260	280
VR41	12X20	260	280
VR42	14x25	255	280
VR43	14x25	375	400
VR44	14x25	375	400
VR45	14x25	375	400
VR46	12X20	260	280
VR47	12X20	260	280
VR48	14x25	255	280
VR49	14x25	375	400
VR50	14x25	255	280
VR51	14x25	375	400

NOTAS:
- Resistência característica do concreto fck=25Mpa nas estacas;
- Resistência característica do concreto fck=25Mpa para vigas, pilares, vergas e contravergas;
- Deverá ser utilizado vibrador mecânico em todas as estruturas de concreto armado;
- Deverá ser utilizado espassadores plásticos em todas as armaduras;
- Todas as vigas serão engastadas aos pilares e/ou pilaretes;
- Todo quantitativo de arranques já estão computados em orçamento, junto aos pilares.







ESTRUTURA	AÇO	Ø	PESO (kg)	C. TOTAL (m)	VOLUME (m³)	FORMA (m²)
Pilares	CA60	5	151,4	853,2	6,8	23,8
	CA50	8	30,2	76,4		
	CA50	10	415,6	673,6		
Vigas Respaldo	CA60	5	114,1	740,8	4,82	17,4
	CA50	8	52,1	132,0		
	CA50	10	289,7	469,5		
				TOTAL	11,62	41,2

PROJETO ESTRUTURAL

FLH 01 | NRL 02

REFERÊNCIA: FORMAS, DETALHES GERAIS E NOTAS

OBRA: CONSTRUÇÃO DE UM CENTRO DE EVENTOS

LOCAL: LOTE 33-A2 - NÚCLEO CHÁCARAS, SEÇÃO - GLEBA RIO BOM - MUNICÍPIO DE RIO BOM/PR.

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE RIO BOM

DATA: 14/03/2020 | ESCALA INDICADA

DESENHO: GLEOM

ÁREAS:
CONSTRUÇÃO PRINCIPAL.....406,00m²
TOTAL DA CONSTRUÇÃO.....406,00m²
TERRENO.....15.022,65m²

IND. APROV. 0,027
TX. OCUP. 2,70%

A APROVAÇÃO DO PRESENTE PROJETO PELA PREFEITURA NÃO RECONHECE O PROPRIETÁRIO DO IMÓVEL

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE RIO BOM CNPJ 01.612.114/0001-74

RESPONSÁVEL TÉCNICO: GEOVANE HENRIQUE FERNANDES REGISTRO: CREA-PR 171.205/D