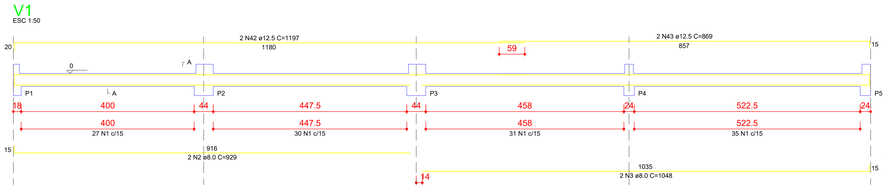

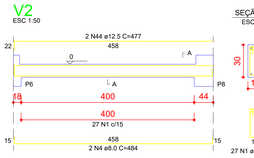

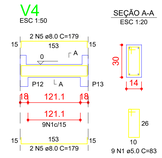

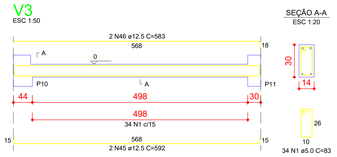

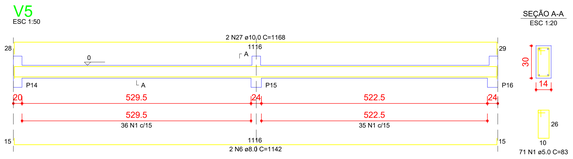

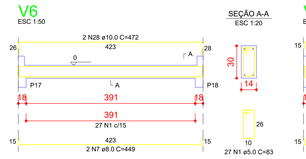

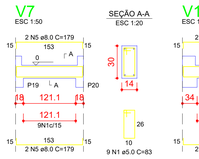

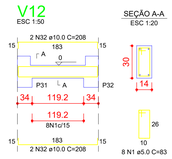

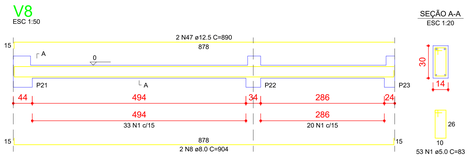

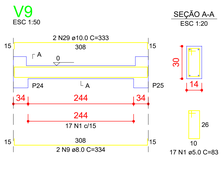

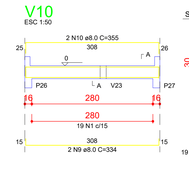

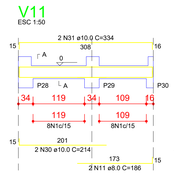

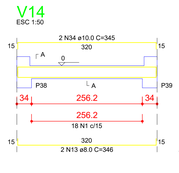

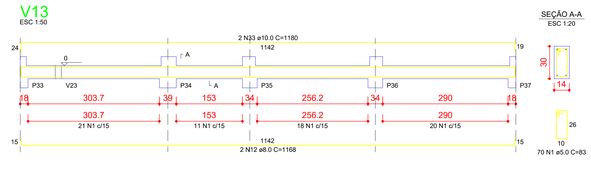

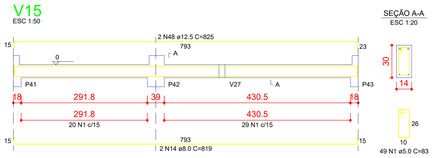

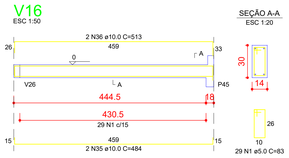

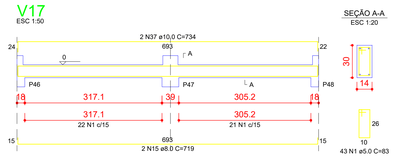

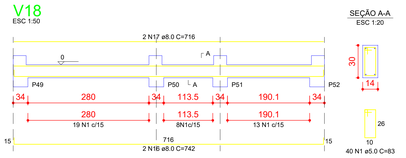

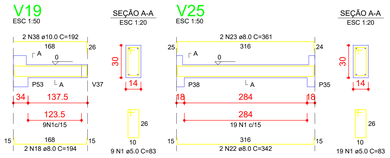

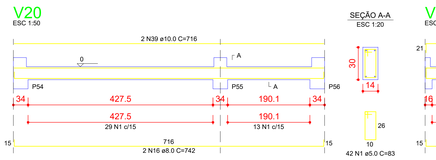

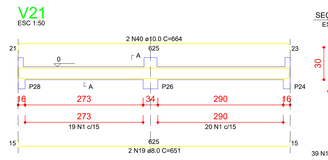

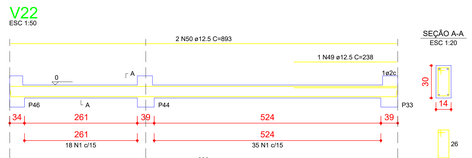

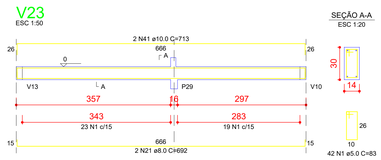

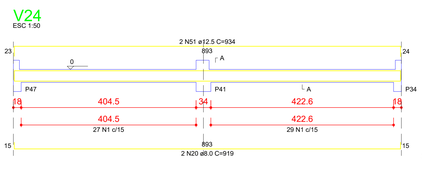

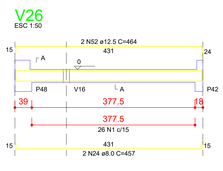

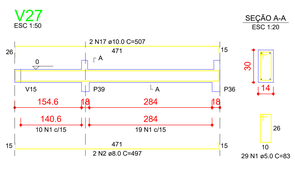

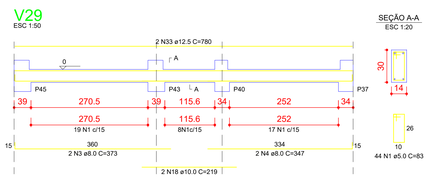

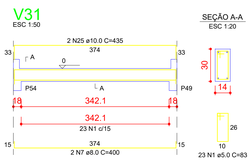

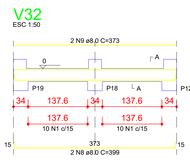

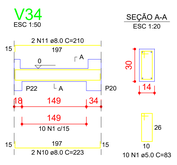

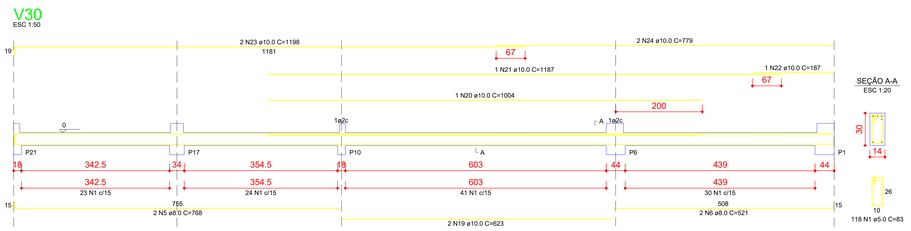

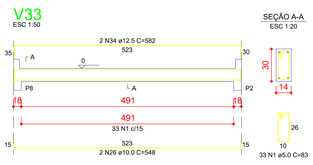

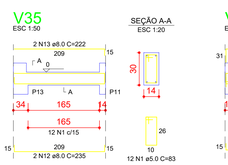

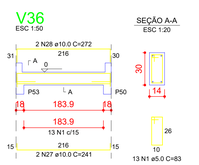

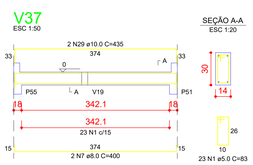

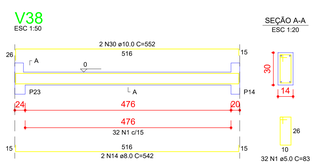

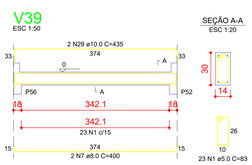

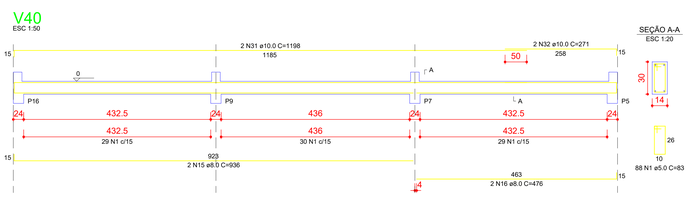

Detalhes das vigas baldrames (Ampliação, Guarita e Salão de Festas) - Nível 0,00
escala 1:50

RELAÇÃO DO AÇO

V1			V2			V3			
V4			V5			V6			
V7			V8			V9			
V10			V11			V12			
V13			V14			V15			
V16			V17			V18			
V19			V20			V21			
V22			V23			V24			
V25			V26			V27			
V28			V29			V30			
V31			V32			V33			
V34			V35			V36			
V37			V38			V39			
V40									

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	8.0	996	93	92548
CA50	2	8.0	2	809	1618
	3	8.0	2	848	1696
	4	8.0	2	484	968
	5	8.0	2	716	1432
	6	8.0	2	1142	2284
	7	8.0	2	440	880
	8	8.0	2	904	1808
	9	8.0	2	1048	2096
	10	8.0	2	335	670
	11	8.0	2	1168	2336
	12	8.0	2	1168	2336
	13	8.0	2	346	692
	14	8.0	2	819	1638
	15	8.0	2	1168	2336
	16	8.0	2	742	1484
	17	8.0	2	1168	2336
	18	8.0	2	194	388
	19	8.0	2	819	1638
	20	8.0	2	848	1696
	21	8.0	2	819	1638
	22	8.0	2	345	690
	23	8.0	2	1168	2336
	24	8.0	2	457	914
	25	8.0	2	787	1574
	26	8.0	2	191	382
	27	8.0	2	1168	2336
	28	8.0	2	472	944
	29	8.0	2	333	666
	30	8.0	2	214	428
	31	8.0	2	1168	2336
	32	8.0	2	208	416
	33	8.0	2	1168	2336
	34	8.0	2	345	690
	35	8.0	2	513	1026
	36	8.0	2	513	1026
	37	8.0	2	192	384
	38	8.0	2	664	1328
	39	8.0	2	664	1328
	40	8.0	2	477	954
	41	8.0	2	580	1160
	42	8.0	2	580	1160
	43	8.0	2	805	1610
	44	8.0	2	805	1610
	45	8.0	2	592	1184
	46	8.0	2	583	1166
	47	8.0	2	890	1780
	48	8.0	2	825	1650
	49	8.0	2	819	1638
	50	8.0	2	893	1786
	51	8.0	2	934	1868
	52	8.0	2	464	928

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	1465.9	1446
	10.0	169.6	164.2
	12.5	156.8	166.2
CA60	5.0	193.5	134.1
PESO TOTAL (kg)			
CA50	1924.0		
CA60	134.5		

Volume de concreto (C-30) = 8.69 m³
Área de forma = 137.90 m²

RELAÇÃO DO AÇO

V27			V28			V30			
V31			V32			V33			
V34			V35			V36			
V37			V38			V39			
V40									

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	8.0	466	427	99644
CA50	2	8.0	2	464	928
	3	8.0	2	347	694
	4	8.0	2	347	694
	5	8.0	2	521	1042
	6	8.0	2	299	598
	7	8.0	2	223	446
	8	8.0	2	223	446
	9	8.0	2	225	450
	10	8.0	2	225	450
	11	8.0	2	840	1680
	12	8.0	2	476	952
	13	8.0	2	476	952
	14	8.0	2	215	430
	15	8.0	2	215	430
	16	8.0	2	1004	2008
	17	8.0	2	1004	2008
	18	8.0	2	1004	2008
	19	8.0	2	1004	2008
	20	8.0	2	1004	2008
	21	8.0	2	1004	2008
	22	8.0	2	1004	2008
	23	8.0	2	1196	2392
	24	8.0	2	1196	2392
	25	8.0	2	435	870
	26	8.0	2	435	870
	27	8.0	2	241	482
	28	8.0	2	241	482
	29	8.0	2	435	870
	30	8.0	2	435	870
	31	8.0	2	1198	2396
	32	8.0	2	271	542
	33	8.0	2	780	1560
	34	8.0	2	582	1164

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	1976	1950.7
	10.0	27.0	26.7
CA60	5.0	388.4	269.3
PESO TOTAL (kg)			
CA50	2132.2		
CA60	65.9		

Volume de concreto (C-30) = 3.29 m³
Área de forma = 57.31 m²

FELEGRINI
ENGENHARIA

Obra:
REFORMA DO CORPO DE BOMBEIRO MILITAR DE GOIANESIA-GO

Local:
AV. CONTORNO N° 1176, BAIRRO DONA FIICA II-GOIANESIA-GO

Proprietario:

Companhia Independente Bombeiro de Goianesia-Go

Autor do projeto:

Antonione Rodrigues Pelegrini
Eng Civil Crea 12.511/D-Go

Rt:

ESTRUTURAL

COMPANHIA INDEPENDENTE CORPO BOMBEIRO MILITAR DE GOIANESIA-GO

Aprovação

Detalhes das baldrames

Área Terreno: 5.249,40 m²
Área Reforma: 709,71 m²
Area Permeavel: 3.920,17 m²
Data: Agosto 2018
Escala: Indicada
Unid: Cm

FOLHA 04