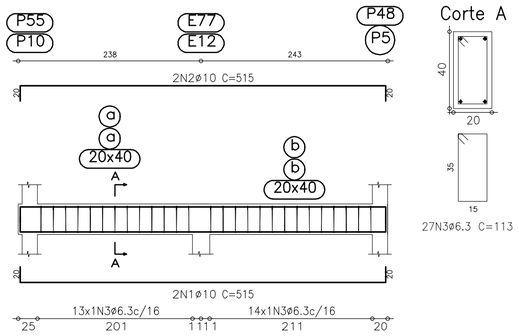
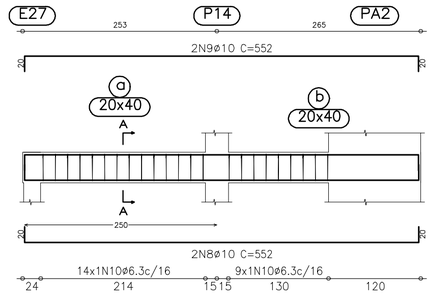
V58
V59



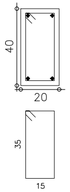
Corte A

27N3ø6.3 C=113

V61

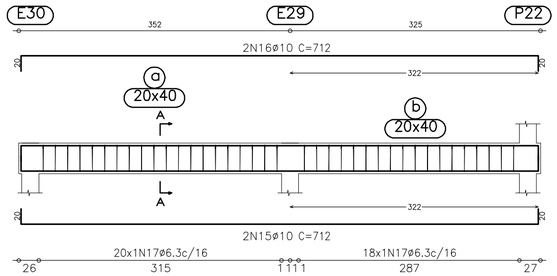


Corte A

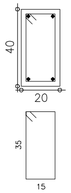


23N10ø6.3 C=113

V66

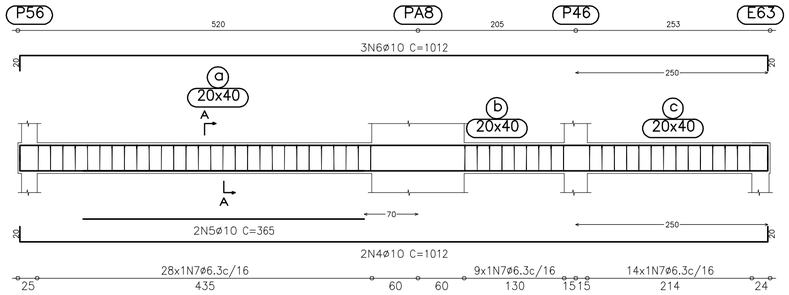


Corte A

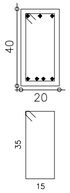


38N17ø6.3 C=113

V60

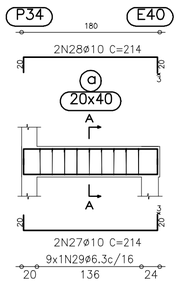


Corte A

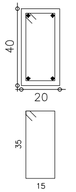


51N7ø6.3 C=113

V73

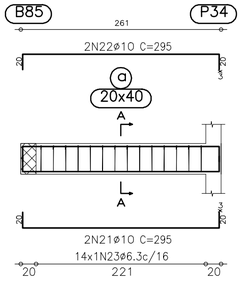


Corte A

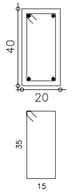


9N29ø6.3 C=113

V71



Corte A

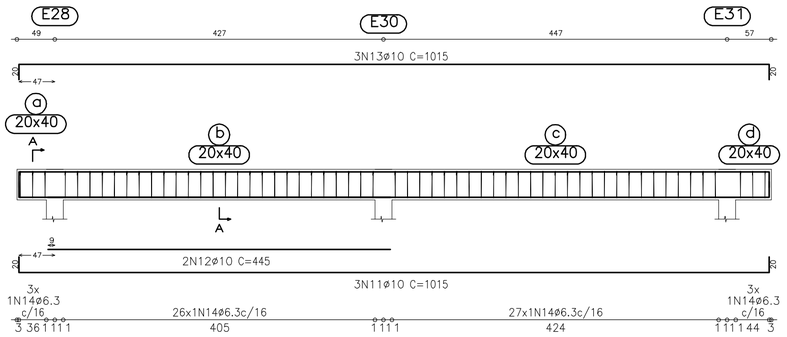


14N23ø6.3 C=113

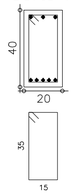
Térreo
Desenho de vigas
Concreto: C30, em geral
Aço: CA-50-A e CA-60-B
Escala vigas: 1:50
Escala seções: 1:20

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
V58=V59	1	ø10	2	20	475	20	515	1030	6.5	
	2	ø10	2	20	475	20	515	1030	6.5	
	3	ø6.3	27				113	3051	7.5	
								Total:	20.5	
								(x2):	41.0	
V60	4	ø10	2	20	972	20	1012	2024	12.7	
	5	ø10	2		365		365	730	4.6	
	6	ø10	3	20	972	20	1012	3036	19.1	
	7	ø6.3	51				113	5763	14.3	
								Total:	50.7	
V61	8	ø10	2	20	512	20	552	1104	6.9	
	9	ø10	2	20	512	20	552	1104	6.9	
	10	ø6.3	23				113	2599	6.4	
								Total:	20.2	
V64	11	ø10	3	20	975	20	1015	3045	19.1	
	12	ø10	2		445		445	890	5.6	
	13	ø10	3	20	975	20	1015	3045	19.1	
	14	ø6.3	59				113	6667	16.5	
								Total:	60.3	
V66	15	ø10	2	20	672	20	712	1424	8.9	
	16	ø10	2	20	672	20	712	1424	8.9	
	17	ø6.3	38				113	4294	10.6	
								Total:	28.4	
V70	18	ø10	2	20	804	20	844	1688	10.6	
	19	ø10	2	20	804	20	844	1688	10.6	
	20	ø6.3	46				113	5198	12.9	
								Total:	34.1	
V71	21	ø10	2	20	255	20	295	590	3.7	
	22	ø10	2	20	255	20	295	590	3.7	
	23	ø6.3	14				113	1582	3.9	
								Total:	11.3	
V72	24	ø10	2	20	174	20	214	428	2.7	
	25	ø10	2	20	174	20	214	428	2.7	
	26	ø6.3	9				113	1017	2.5	
								Total:	7.9	
V73	27	ø10	2	20	174	20	214	428	2.7	
	28	ø10	2	20	174	20	214	428	2.7	
	29	ø6.3	9				113	1017	2.5	
								Total:	7.9	
V76	30	ø10	2	20	920		940	1880	11.8	
	31	ø10	2		480	20	500	1000	6.3	
	32	ø10	2	20	945		965	1930	12.1	
	33	ø10	2		500	20	520	1040	6.5	
	34	ø10	2		175		175	350	2.2	
	35	ø6.3	75				113	8475	21.0	
								Total:	59.9	
								ø6.3:	105.6	0.0
								ø10:	216.1	0.0
								Total:	321.7	0.0

V64

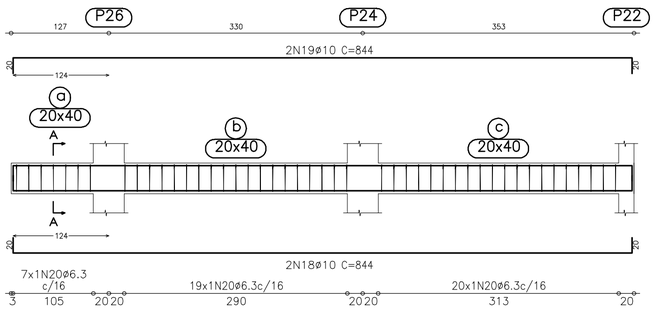


Corte A

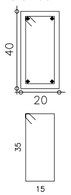


59N14ø6.3 C=113

V70

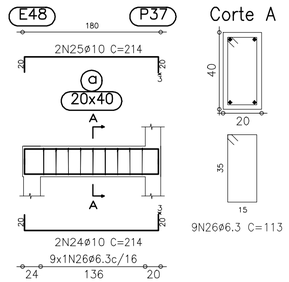


Corte A



46N20ø6.3 C=113

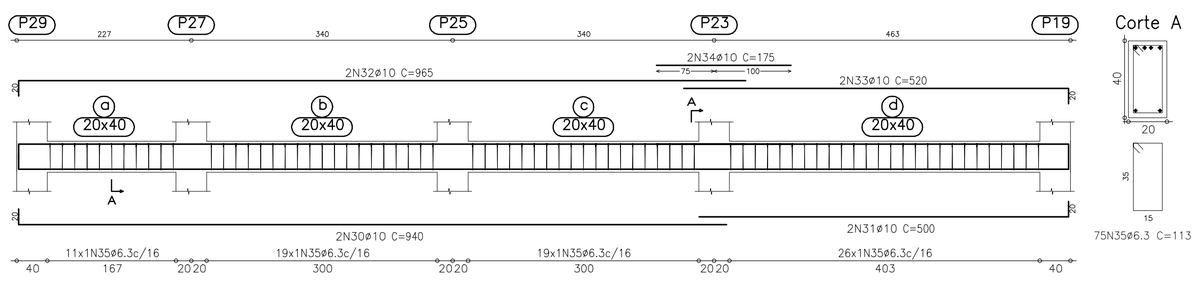
V72



Corte A

9N26ø6.3 C=113

V76



Corte A

75N35ø6.3 C=113

ARMADURA DAS VIGAS DO TÉRREO (04/04)

ESCALA 1/50 - ESCALA 1/20 (CORTES)

FCK=30.0 MPa - FATOR H_2O/CIMENTO=0.58

leão projetos complementares

DATA	REVISÃO/ALTERAÇÃO
07/03/2015	REVDD - PLOTAGEM INICIAL

PROJETO ESTRUTURAL CONCRETO

OBRA:
ARENA - CENTRO DE EVENTOS

PROPRIETÁRIO:
PREFEITURA MUNICIPAL DE SÃO JORGE DO IVAI

CONTEÚDO:
ARMADURA DAS VIGAS DO TÉRREO (04/04)

LOCAL: RUA DR. MICHEL FELIPE - LOTE 126-B - GLEBA ANDIRÁ - SÃO JORGE DO IVAI - PARANÁ

141220-EST_L3_R0.dwg

DATA: MARÇO/2015

Nº PÁGINAS
21/28

RESPONSÁVEL TÉCNICO PELO PROJETO

PAULO LEÃO
ENGENHEIRO CIVIL
CREA - PR-72.041/D

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