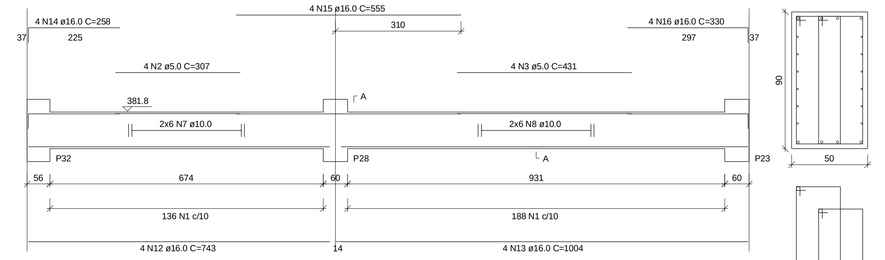
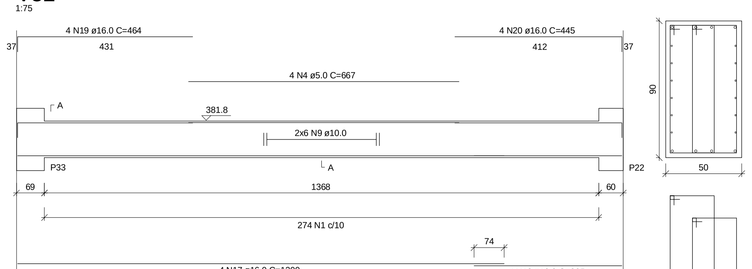
VIGAS BALDRAME

V51
1:75



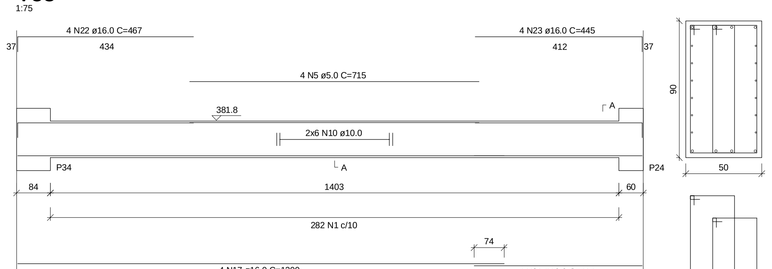
SEÇÃO A-A
ESC 1:20

V52
1:75



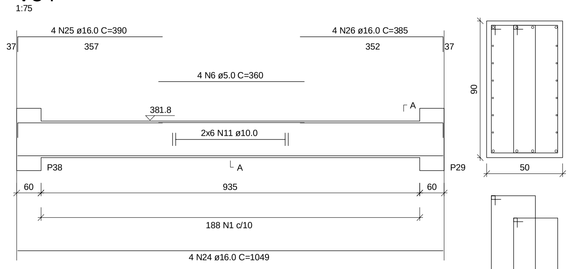
SEÇÃO A-A
ESC 1:20

V53
1:75



SEÇÃO A-A
ESC 1:20

V54
1:75



SEÇÃO A-A
ESC 1:20

RELAÇÃO DO AÇO

V51 / V54 | V52 | V53

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
60	1	5.0	1068	237	253116
	2	5.0	4	307	1228
	3	5.0	4	431	1724
	4	5.0	4	667	2668
	5	5.0	4	715	2860
	6	5.0	4	360	1440
50	7	10.0	12	corr	8088
	8	10.0	12	corr	11172
	9	10.0	12	corr	16416
	10	10.0	12	corr	16836
	11	10.0	12	corr	11220
	12	16.0	4	743	2972
	13	16.0	4	1004	4016
	14	16.0	4	258	1032
	15	16.0	4	555	2220
	16	16.0	4	330	1320
	17	16.0	6	1200	9600
	18	16.0	4	365	1460
	19	16.0	4	464	1856
	20	16.0	4	445	1780
	21	16.0	4	414	1656
	22	16.0	4	467	1868
	23	16.0	4	445	1780
	24	16.0	4	1049	4196
	25	16.0	4	390	1560
	26	16.0	4	385	1540

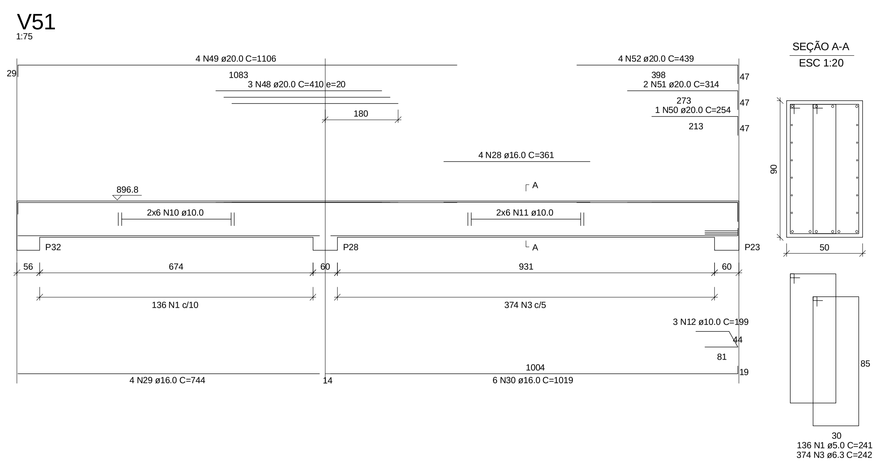
RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	10.0	637.3	432.3
	16.0	388.7	675.4
CA60	5.0	2635.7	446.4
PESO TOTAL			
CA50	1107.8		
CA60	446.4		

Vol. de concreto total (C-25) =26.46 m³
Área de forma total = 135.23 m²

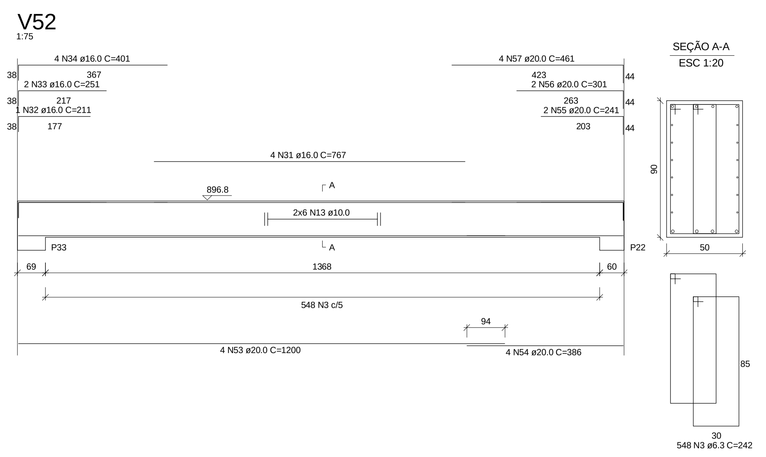
VIGAS PAVMENTO TÉRREO

V51
1:75



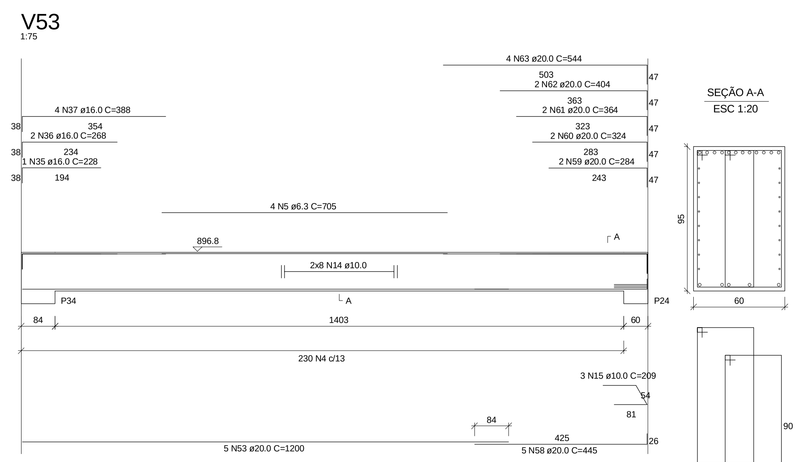
SEÇÃO A-A
ESC 1:20

V52
1:75



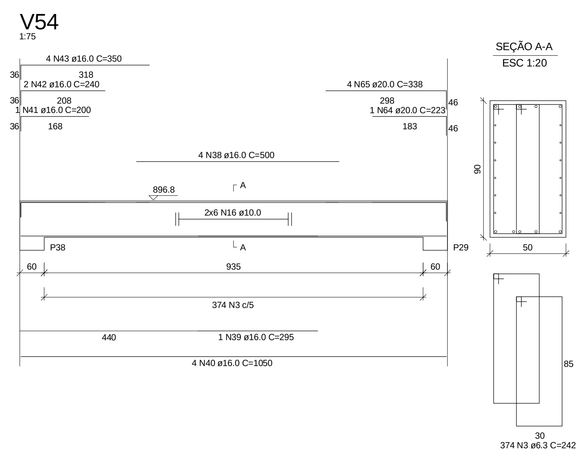
SEÇÃO A-A
ESC 1:20

V53
1:75



SEÇÃO A-A
ESC 1:20

V54
1:75



SEÇÃO A-A
ESC 1:20

RELAÇÃO DO AÇO

V51 / V54 | V52 / V55 | V53 / V56

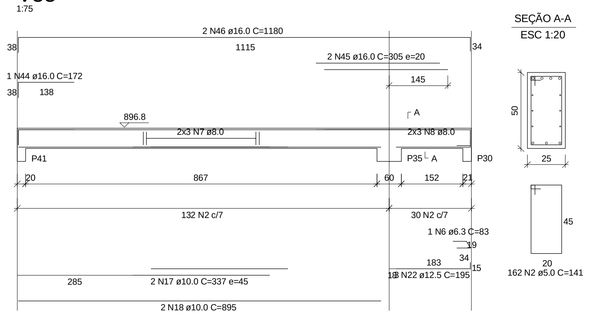
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
60	1	5.0	136	241	32776
	2	5.0	312	141	43992
	3	6.3	1296	242	313632
	4	6.3	230	266	61180
	5	6.3	4	705	2820
	6	6.3	1	83	83
	7	8.0	6	corr	5502
	8	8.0	6	corr	1218
	9	8.0	6	corr	5550
	10	10.0	12	corr	8088
	11	10.0	12	corr	11172
	12	10.0	3	199	597
	13	10.0	12	corr	16416
	14	10.0	16	corr	23776
	15	10.0	3	209	627
	16	10.0	12	corr	11220
	17	10.0	2	337	674
	18	10.0	2	895	1790
	19	10.0	2	354	708
	20	12.5	1	196	196
	21	10.0	2	1128	2256
	22	12.5	3	195	585
	23	12.5	1	190	190
	24	12.5	1	215	215
	25	12.5	1	255	255
	26	12.5	1	422	422
	27	12.5	3	507	1521
	28	16.0	4	361	1444
	29	16.0	4	744	2976
	30	16.0	6	1019	6114
	31	16.0	4	767	3068
	32	16.0	1	211	211
	33	16.0	2	251	502
	34	16.0	4	401	1604
	35	16.0	1	228	228
	36	16.0	2	268	536
	37	16.0	4	388	1552
	38	16.0	4	500	2000
	39	16.0	1	295	295
	40	16.0	4	1050	4200
	41	16.0	1	200	200
	42	16.0	2	240	480
	43	16.0	4	350	1400
	44	16.0	1	172	172
	45	16.0	2	305	610
	46	16.0	2	1180	2360
	47	16.0	2	410	820
	48	20.0	3	410	1230
	49	20.0	4	1106	4424
	50	20.0	1	354	354
	51	20.0	3	214	642
	52	20.0	4	439	1756
	53	20.0	9	1200	10800
	54	20.0	4	386	1544
	55	20.0	2	241	482
	56	20.0	2	301	602
	57	20.0	4	461	1844
	58	20.0	5	445	2225
	59	20.0	2	284	568
	60	20.0	2	324	648
	61	20.0	2	364	728
	62	20.0	2	404	808
	63	20.0	4	544	2176
	64	20.0	1	223	223
	65	20.0	4	338	1352
	66	20.0	2	339	678

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	6.3	3774.2	1017.6
	8.0	122.7	53.3
	10.0	775.2	525.9
	12.5	26.8	28.4
	16.0	307.8	534.9
	20.0	329.8	895.4
CA60	5.0	769.9	130.4
PESO TOTAL			
CA50	3055.5		
CA60	130.4		

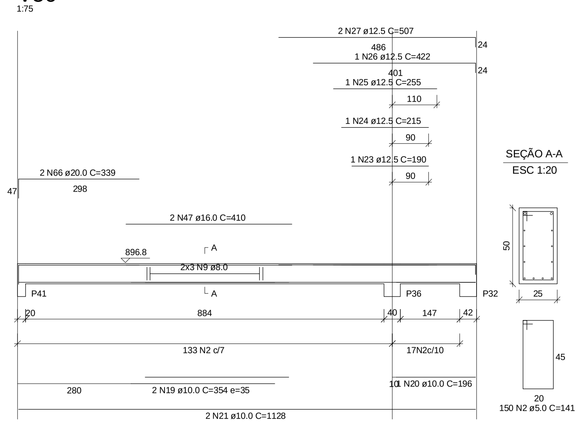
Vol. de concreto total (C-25) =31.13 m³
Área de forma total = 166.49 m²

V55
1:75



SEÇÃO A-A
ESC 1:20

V56
1:75



SEÇÃO A-A
ESC 1:20

Nº	DATA	RESPONSÁVEL	DESCRIÇÃO DA REVISÃO:

FASE:
PROJETO DE CÁLCULO ESTRUTURAL

OBSERVAÇÕES:
CONFERIR MEDIDAS NA OBRA

RESTAURANTE UNIVERSITÁRIO
CAMPUS JK / DIAMANTINA
RODOVIA MG 367, KM 583, Nº 5000 - ALTO DA JACUBA - DIAMANTINA/MG

PROPRIETÁRIO: UNIVERSIDADE FEDERAL DOS VALES DO JEQUITINHONHA E MUCURI
CNPJ: 16.888.315/0001-57

TÍTULO:
VIGAS BALDRAME E TÉRREO

AUTOR PROJETO ESTRUTURAL / RT:
ANDRÉ FERNANDO DA SILVA
CREA 78499/D - MG

DETALHAMENTO:
ANDRÉ FERNANDO DA SILVA
CREA 78499/D - MG

VERSÃO:	DATA:	AUTOCAD:	FOLHA:
VERSAO 1	20.07.2010		09/12

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