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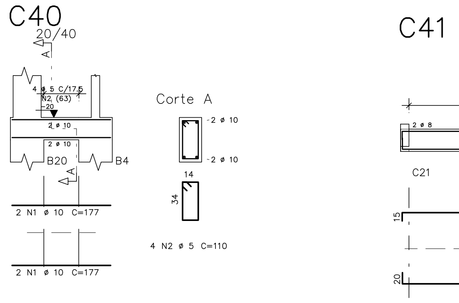

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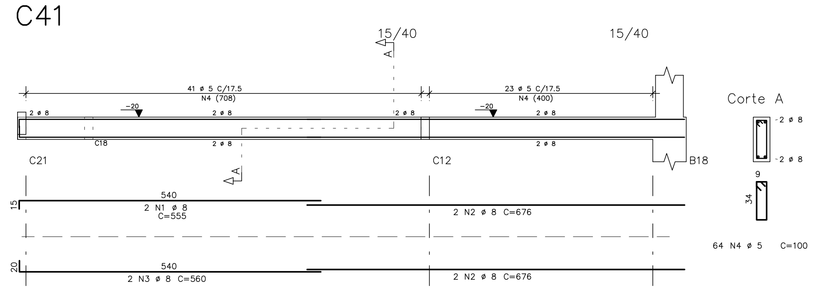

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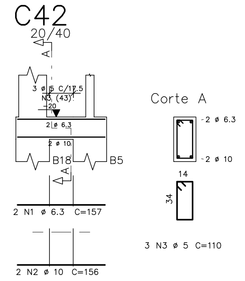

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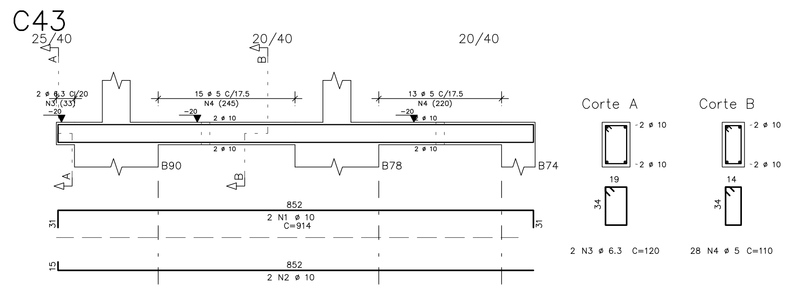

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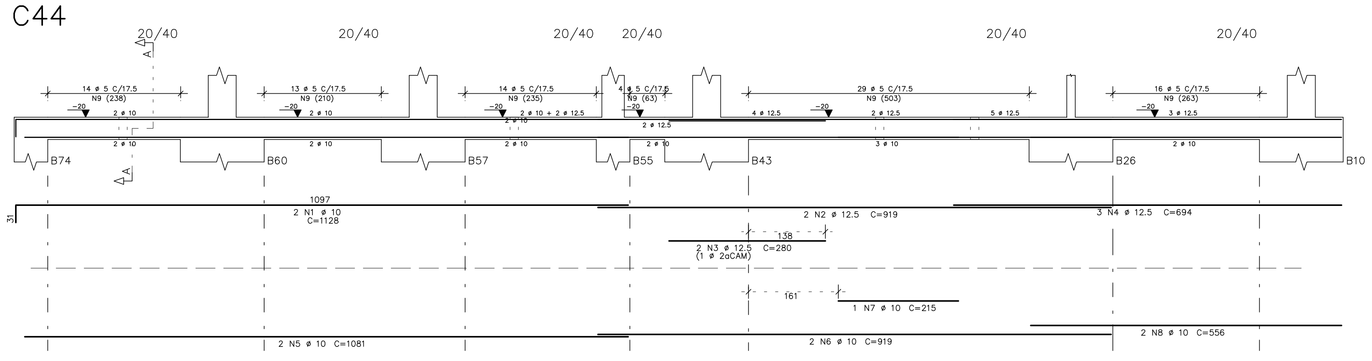
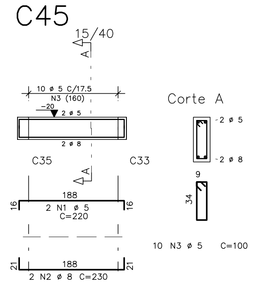


C45



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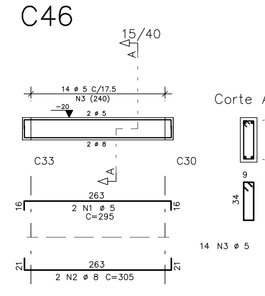

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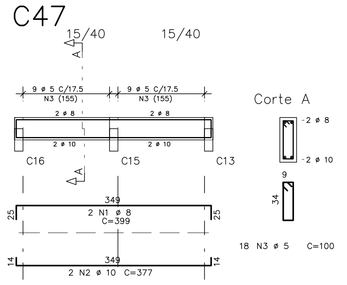

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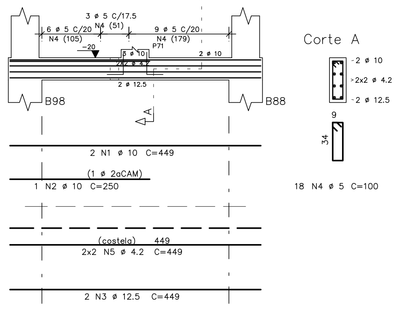

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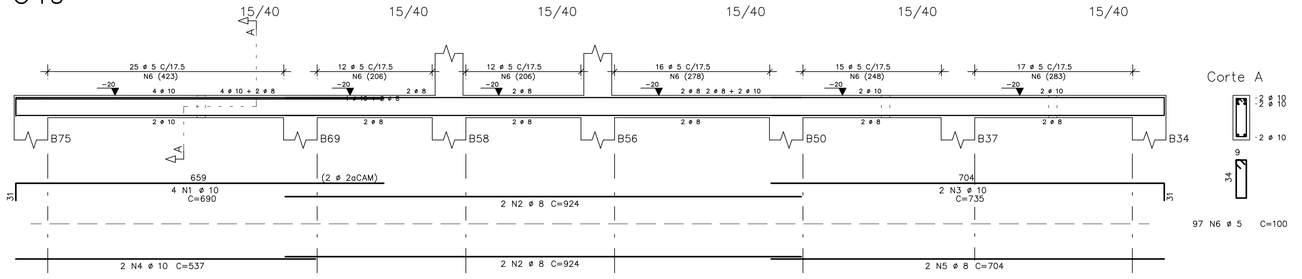
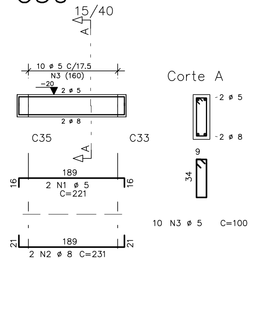


C50



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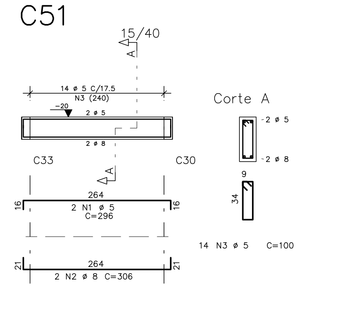


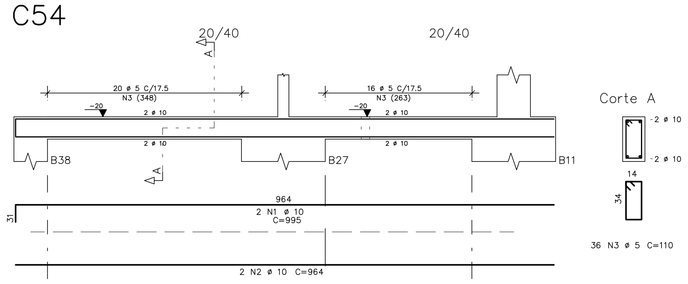
C52

	AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	TOTAL (cm)
C40						
	50A	1	10	4	177	708
	60B	2	5	4	110	440
C41						
	50A	1	8	2	555	1110
	50A	2	8	4	676	2704
	50A	3	8	2	560	1120
	60B	4	5	4	100	400
C42						
	50A	1	6.3	2	157	314
	50A	2	10	2	156	312
	60B	3	5	3	110	330
C43						
	50A	1	10	2	914	1828
	50A	2	10	2	867	1734
	50A	3	6.3	2	120	240
	60B	4	5	28	110	3080
C44						
	50A	1	10	2	1128	2256
	50A	2	12.5	2	919	1838
	50A	3	12.5	2	280	560
	50A	4	12.5	3	694	2082
	50A	5	10	2	1081	2162
	50A	6	10	2	919	1838
	50A	7	10	1	215	215
	50A	8	10	2	556	1112
	60B	9	5	90	110	9900
C45						
	60B	1	5	2	220	440
	50A	2	8	2	230	460
	60B	3	5	10	100	1060
C46						
	60B	1	5	2	295	590
	50A	2	8	2	305	610
	60B	3	5	14	100	1400
C47						
	50A	1	8	2	399	798
	50A	2	10	2	377	754
	60B	3	5	18	100	1800
C48						
	50A	1	10	2	449	898
	50A	2	10	1	250	250
	50A	3	12.5	2	449	898
	60B	4	5	18	100	1800
	60B	5	4.2	4	449	1796
C49						
	50A	1	10	4	690	2760
	50A	2	8	4	924	3696
	50A	3	10	2	735	1470
	50A	4	10	2	537	1074
	50A	5	8	2	704	1408
	60B	6	5	97	100	9700
C50						
	60B	1	5	2	221	442
	50A	2	8	2	231	462
	60B	3	5	10	100	1060
C51						
	60B	1	5	2	296	592
	50A	2	8	2	306	612
	60B	3	5	14	100	1400
C52						
	50A	1	10	1	235	235
	50A	2	10	2	350	700
	50A	3	12.5	2	767	1534
	50A	4	10	1	268	268
	50A	5	10	2	186	372
	50A	6	10	2	964	1928
	60B	7	5	2	110	220
	60B	8	5	36	100	3600
	60B	9	5	4	321	1284
C53						
	50A	1	8	2	504	1008
	50A	2	8	2	1064	2128
	50A	3	8	2	473	946
	50A	4	8	2	1033	2066
	60B	5	5	54	100	5400
C54						
	50A	1	10	2	995	1990
	50A	2	10	2	964	1928
	50A	3	5	36	110	3960
C55						
	50A	1	10	4	419	1676
	60B	2	5	13	110	1430
C56						
	50A	1	8	4	584	2336
	60B	2	5	26	100	2600
C57						
	50A	1	10	2	656	1312
	50A	2	10	2	301	602
	50A	3	8	2	634	1268
	60B	4	5	31	100	3100
C58						
	50A	1	10	2	400	800
	50A	2	8	2	357	714
	60B	3	5	16	100	1600

RESUMO AÇO CA 50-60

AÇO	BIT (mm)	COMPR (m)	PESO (kg)
60B	4.2	18	2
60B	5	635	102
50A	6.3	6	1
50A	8	234	94
50A	10	312	196
50A	12.5	69	69
Peso Total	60B =		104 kg
Peso Total	50A =		361 kg

C54



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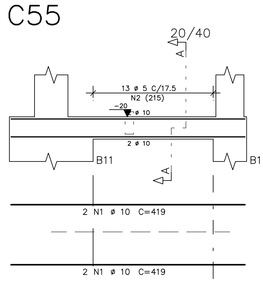

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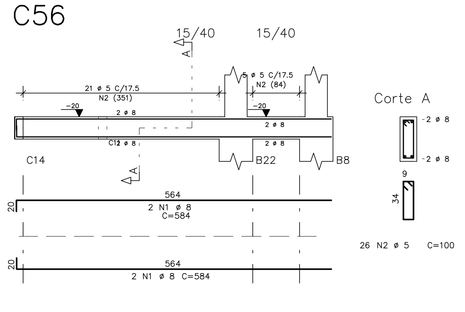

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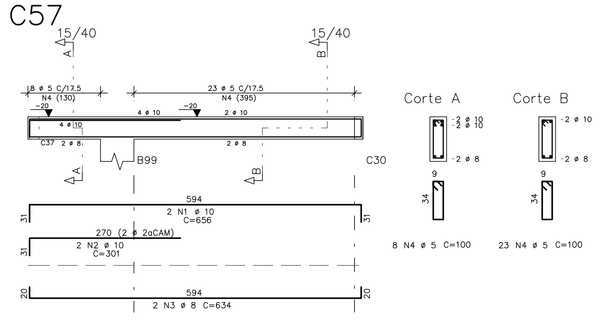

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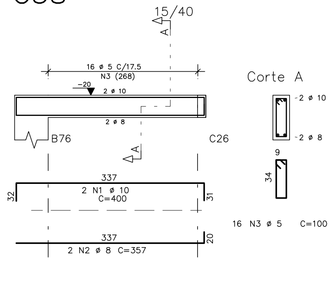

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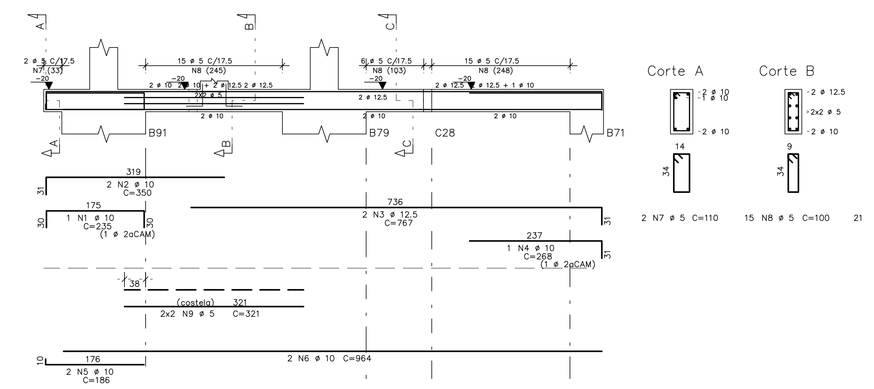

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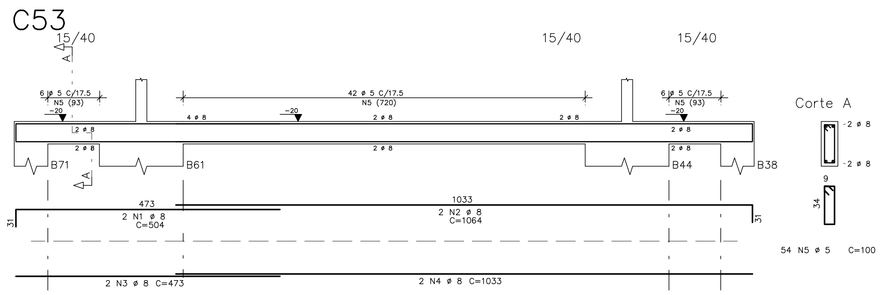

NOTAS

1- DIMENSÕES EM CENTIMETROS;
2- COTAS DE NIVEL EM METROS;
3- CONCRETO fck>=25MPa;
4- COBRIMENTO DAS ARMADURA:
BLOCOS = 5 cm;
CINTAS = 3 cm;
PILARES = 3 cm;
CINTAS DA FUNDAÇÃO - PARTE 01/06 = 3 cm;
LAJES = 2,5 cm;
5- PREVER PASSAGEM DE TUBULAÇÕES DE ÁGUA, ESGOTO, ELETRICA, TELEFONIA E OUTROS NOS NOS ELEMENTOS ESTRUTURAIS ANTES DA CONCRETAGEM DOS MESMOS

PMMG DAL

SEÇÃO DE ENGENHARIA E PROJETOS

PMMG

UNIDADE: 35ºBPM

LOCAL: | CIDADE: SANTA LUZIA

DADOS DO PROJETO

PROJETO (estrutural/ arquitetônico/ hidráulico etc.): ESTRUTURA DE CONCRETO | Nº PROJETO:

TÍTULO DO PROJETO (reforma / levantamento etc.): PROJETO EXECUTIVO

DETALHES: ARMAÇÃO DAS CINTAS DA FUNDAÇÃO - PARTE 04/06 | FOLHA: 13/48

ÁREA TOTAL TERRENO: 23.978,24 m² | ÁREA ÚTIL TERRENO: 14.545,34 m² | DATA: SETEMBRO 2013

DESENHISTA: JEFERSON | ESCALA: VER PROJETO | ART.:

ASSINATURAS

DAL: ITAMAR DE ALMEIDA SÁ, CEL PM

CH. DAL/3: DÁRIO JOSÉ DE ARAÚJO SILVA, MAJ PM

R.T.: JEFERSON DYONISIO DE SÁ, ENGENHEIRO CREA-MG 98.080/D