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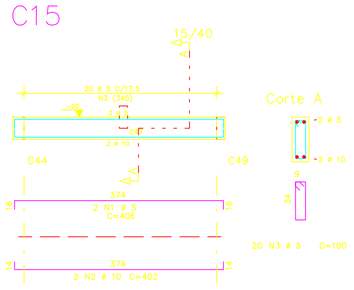
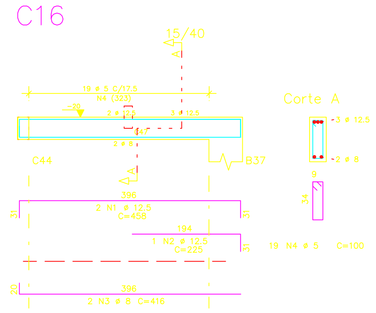


C16



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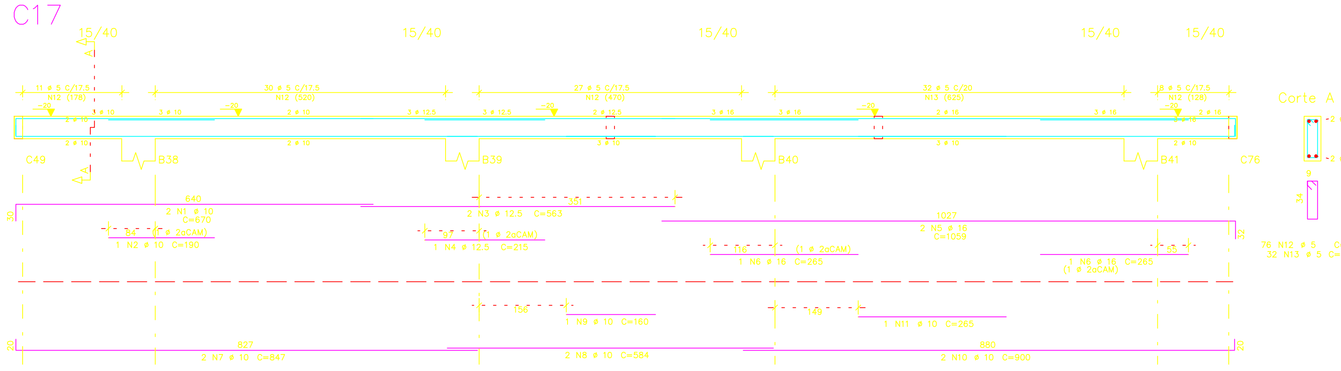
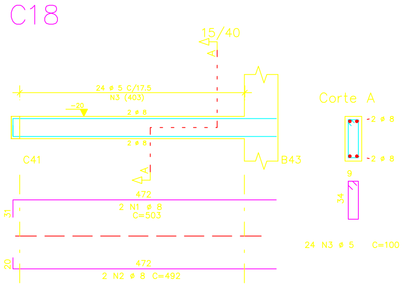
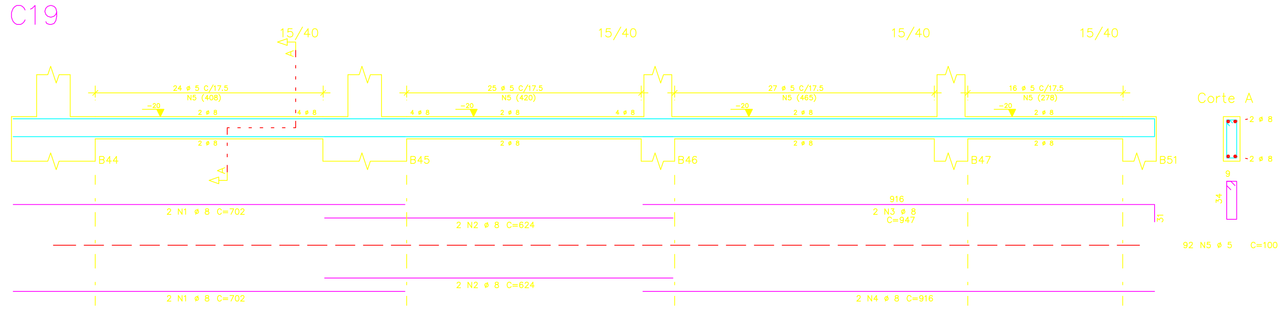


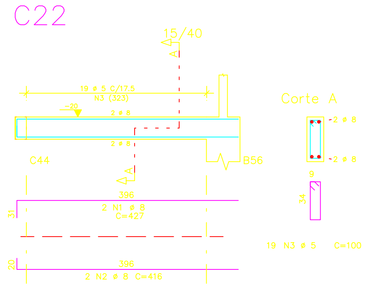
C18



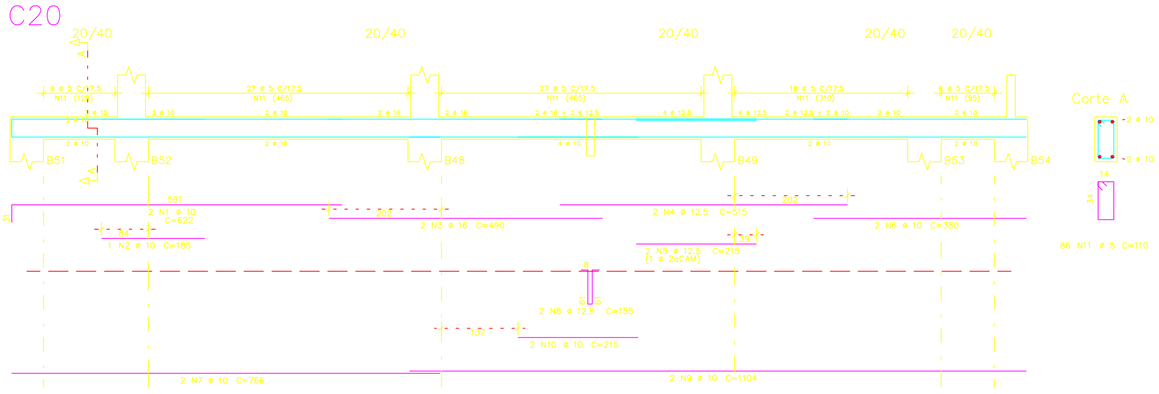
C19



C22



C20



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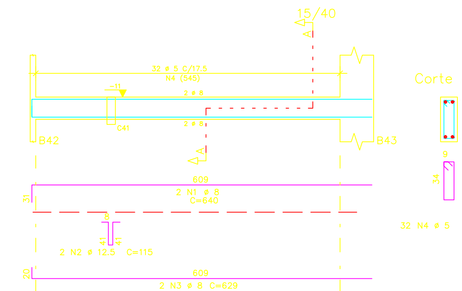

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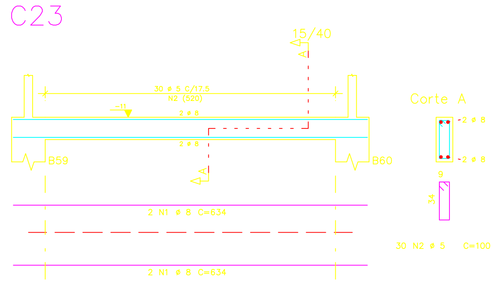
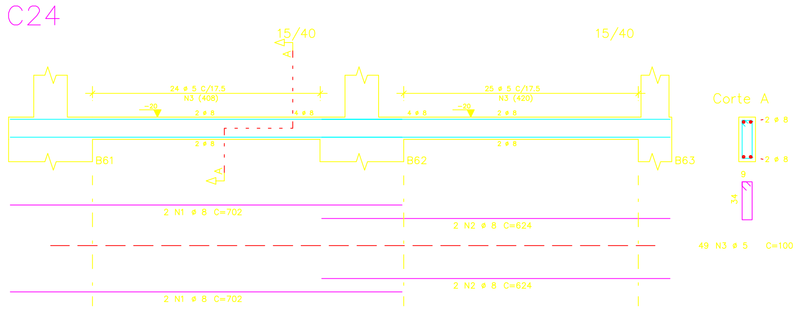
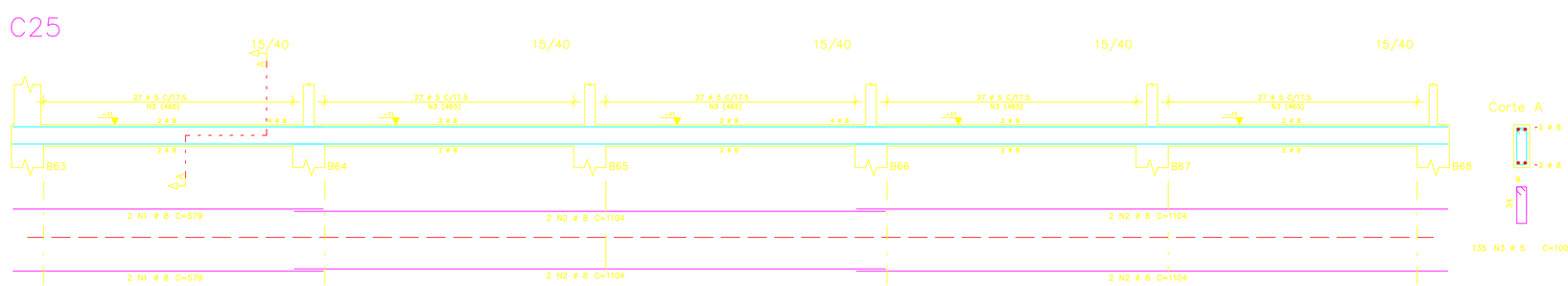


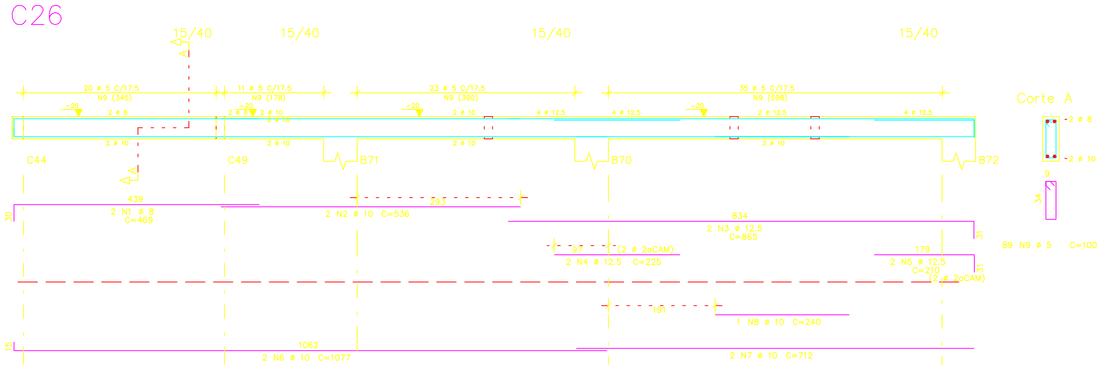
C24



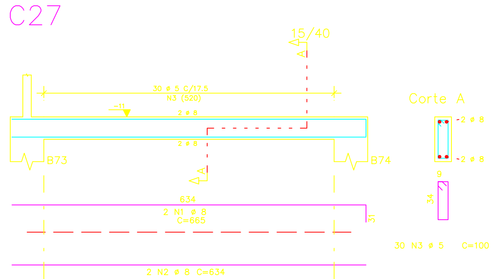
C25



C26



C27



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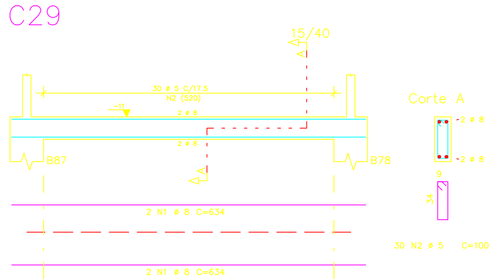

AÇO	POS	BIT. (mm)	QUANT. UNIT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
C15					
6GB	1	5	2	406	812
50A	2	10	20	402	8004
6GB	3	5	20	100	2000
C16					
50A	1	12.5	2	458	916
50A	2	12.5	1	225	225
50A	3	8	1	416	416
6GB	4	5	19	100	1900
C17					
50A	1	10	2	670	1340
50A	2	10	1	564	564
50A	3	12.5	2	563	1126
50A	4	12.5	1	215	215
50A	5	16	2	1069	2138
50A	6	16	1	265	265
50A	7	10	2	847	1694
50A	8	10	2	584	1168
50A	9	10	1	160	160
50A	10	10	1	265	265
50A	11	10	1	265	265
6GB	12	5	76	100	7600
6GB	13	5	32	100	3200
C18					
50A	1	8	2	503	1006
6GB	2	5	24	100	2400
C19					
50A	1	8	4	702	2808
50A	2	8	2	947	1894
50A	3	8	2	916	1832
6GB	5	5	92	100	9200
C20					
50A	1	10	2	622	1244
50A	2	10	2	185	370
50A	3	10	2	490	980
50A	4	12.5	2	515	1030
50A	5	12.5	2	215	430
50A	6	10	2	360	720
50A	7	10	2	766	1532
50A	8	10	2	1104	2208
50A	9	10	2	110	220
6GB	11	5	86	110	9460
C21					
50A	1	8	2	640	1280
50A	2	12.5	2	115	230
50A	3	8	2	629	1258
6GB	4	5	32	100	3200
C22					
50A	1	8	2	427	854
6GB	3	5	19	100	1900
C23					
6GB	2	5	4	634	2536
6GB	3	5	30	100	3000
C24					
50A	1	8	4	702	2808
50A	2	8	4	624	2496
6GB	3	5	49	100	4900
C25					
50A	1	8	4	579	2316
50A	2	8	8	1104	8832
6GB	3	5	135	100	13500
C26					
50A	1	8	2	469	938
50A	2	10	2	536	1072
50A	3	12.5	2	865	1730
50A	4	12.5	2	225	450
50A	5	12.5	2	319	638
50A	6	10	2	240	480
6GB	9	5	89	100	8900
C27					
50A	1	8	2	865	1730
6GB	3	5	30	634	1268
6GB				100	3000
C29					
6GB	3	5	4	634	2536
6GB			30	100	3000

RESUMO AÇO CA 50=60			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
6GB	5	7901	125
50A	8	411	155
50A	10	1167	458
50A	12.5	71	35
50A	16	361	58
Peso Total 6GB =			1125 Kg
Peso Total 50A =			411 Kg

NOTAS:

1- DIMENSÕES EM CENTIMETROS;
2- COTAS DE NIVEL EM METROS;
3- CONCRETO fck>=25MPa;
4- COBRIMENTO DAS ARMADURA:
BLOCOS = 3 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, ELÉTRICA, TELEFONIA E OUTROS NOS NOS ELEMENTOS ESTRUTURAIS ANTES DA CONCRETAGEM DOS MESMOS

PMMG — DAL

SEÇÃO DE ENGENHARIA E PROJETOS

UNIDADE: 35ºBPM

LOCAL: — CIDADE: SANTA LUZIA

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

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

DETALHES: ARMAÇÃO DAS CINTAS DA FUNDAÇÃO - PARTE 02/06 — FOLHA: 11/48

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