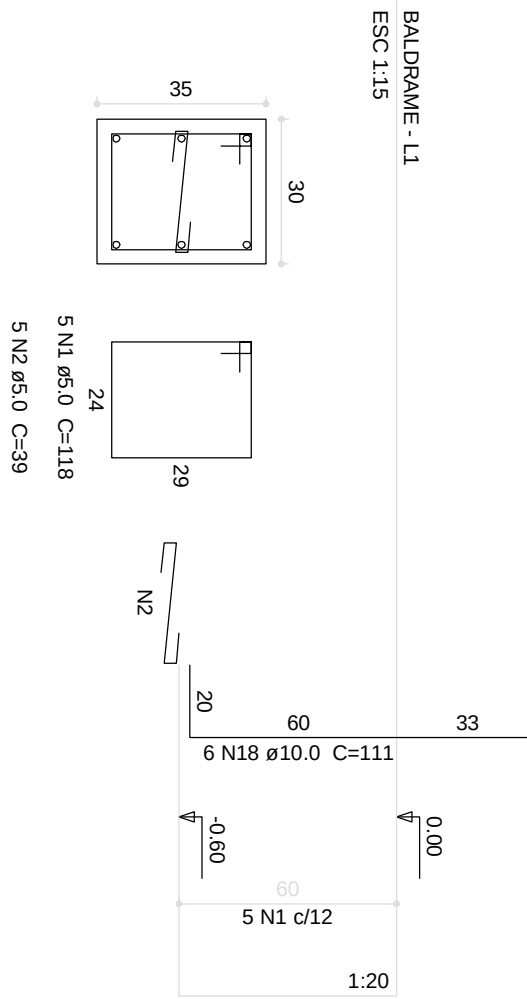
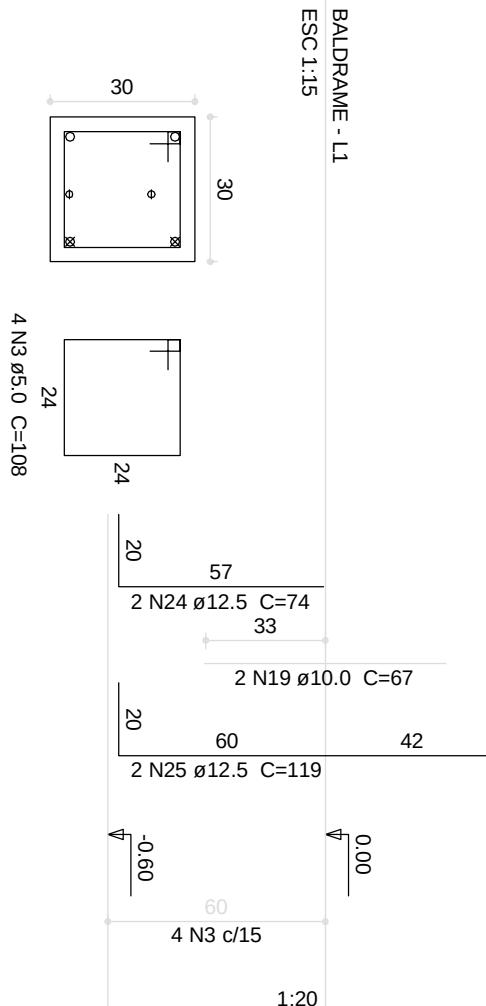


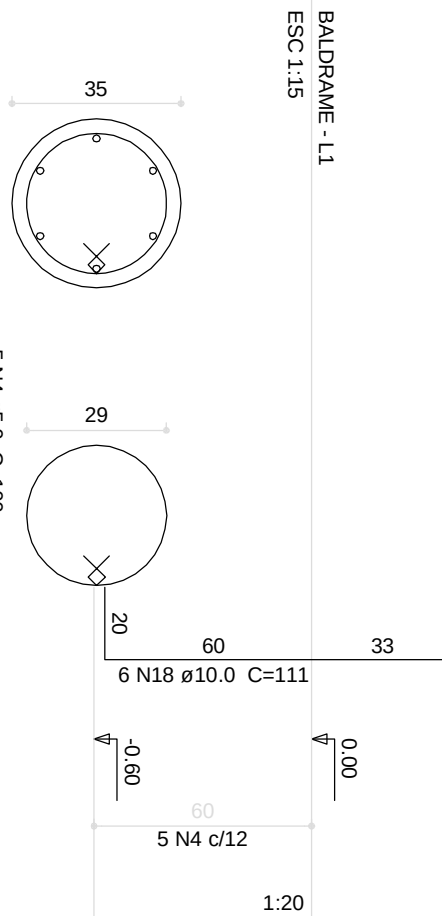
P102



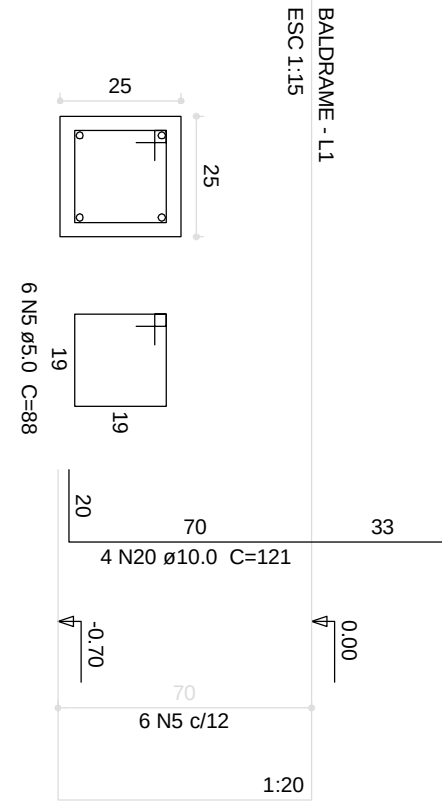
P108



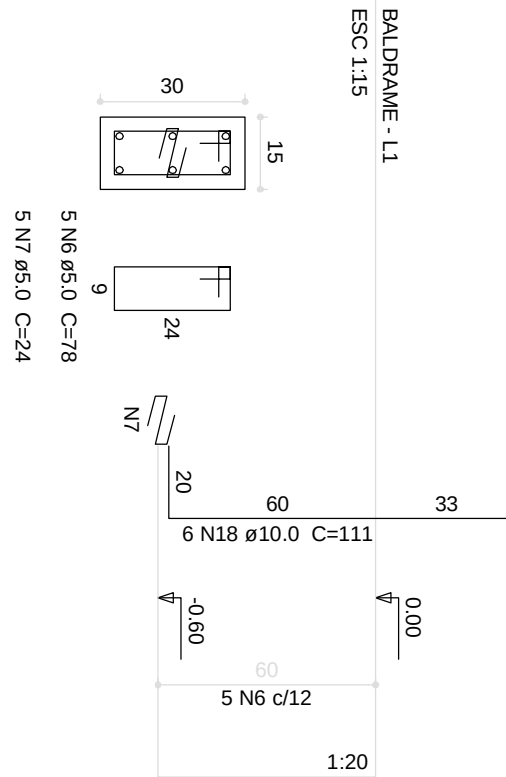
P110=P121=P141=P173



P111



P117



Relação do aço

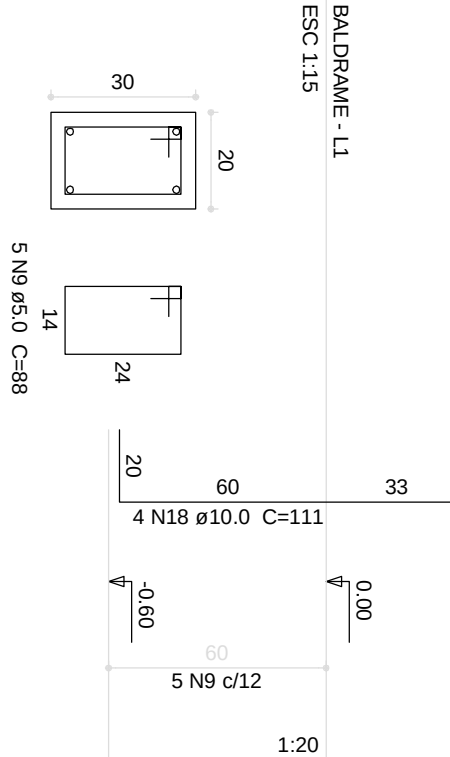
Item	ACO	N	DIAM	Q	UNIT	C TOTAL
15=P164	CA60	1	5.0	32	(cm³)	176
P87	CA60	2	5.0	32	39	1248
25=P165	CA60	3	5.0	12	108	1296
P102	CA60	4	5.0	20	100	2000
P108	CA60	5	5.0	30	88	2640
P122	CA60	6	5.0	20	88	2640
P138	CA60	7	5.0	20	24	480
P149	CA60	8	5.0	5.0	4	24
P158	CA60	9	5.0	148	88	13024
P172	CA60	10	5.0	5	29	145
P188	CA60	11	5.0	6	108	648
P199	CA60	12	5.0	6	108	648
P215	CA60	13	5.0	6	34	204
P220	CA60	14	5.0	5	138	690
P219	CA60	15	5.0	44	220	220
P217	CA60	16	5.0	5	44	220
P173	CA60	17	5.0	7	98	694
P174	CA60	18	10.0	150	111	16650
P175	CA60	19	10.0	4	67	288
P176	CA60	20	10.0	20	4	121
P177	CA60	21	10.0	4	175	2400
P178	CA60	22	10.0	48	570	27360
P179	CA60	23	10.0	18	166	2988
P180	CA60	24	12.5	4	74	296
P181	CA60	25	12.5	22	119	2618
P182	CA60	26	12.5	14	128	1800
P183	CA60	27	12.5	8	128	1800
P184	CA60	28	20.0	8	151	1208

Resumo do aço

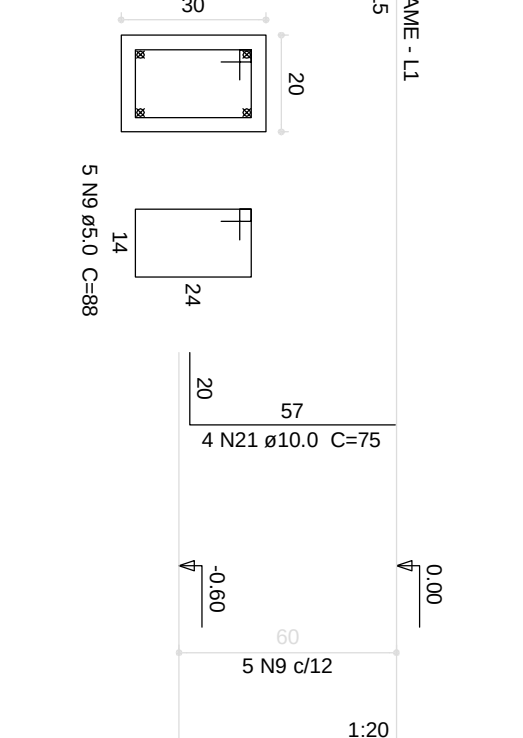
ACO	DIAM	C TOTAL	PESO +10%
CA50	10.0	284.3	192.8
CA50	12.5	47.2	50
CA50	15.0	13.2	9
CA60	5.0	201.2	51.1
CA60	51.1		
CA60	284.5		

Vál. de concreto total (C=30) = 2.49 m³
Área de forma total = 37.56 m²

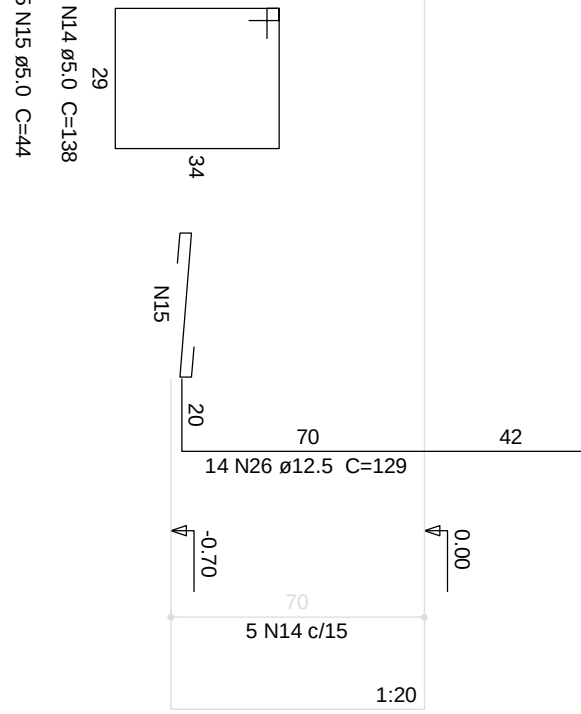
P64=P65=P94=P106=P107=P128=P129=P137
=P139=P169=P170=P171=P180=P181=P198



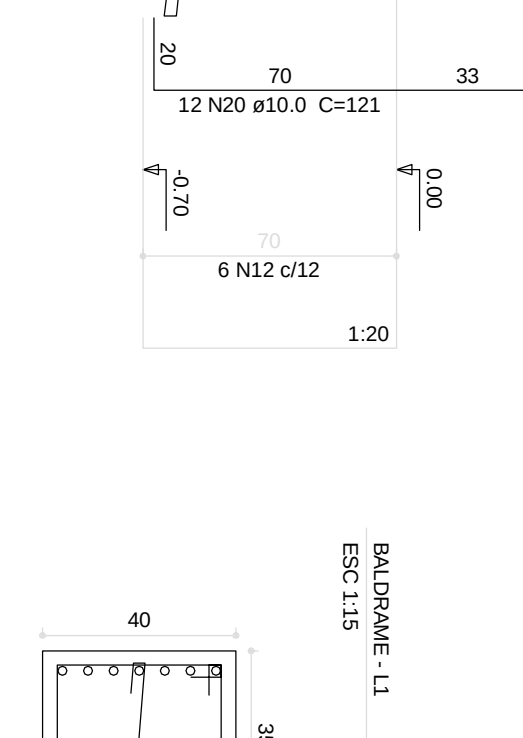
P214



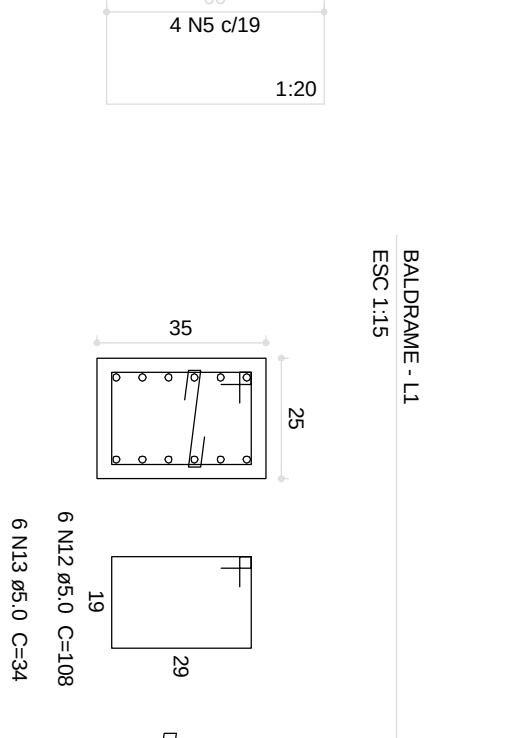
P202



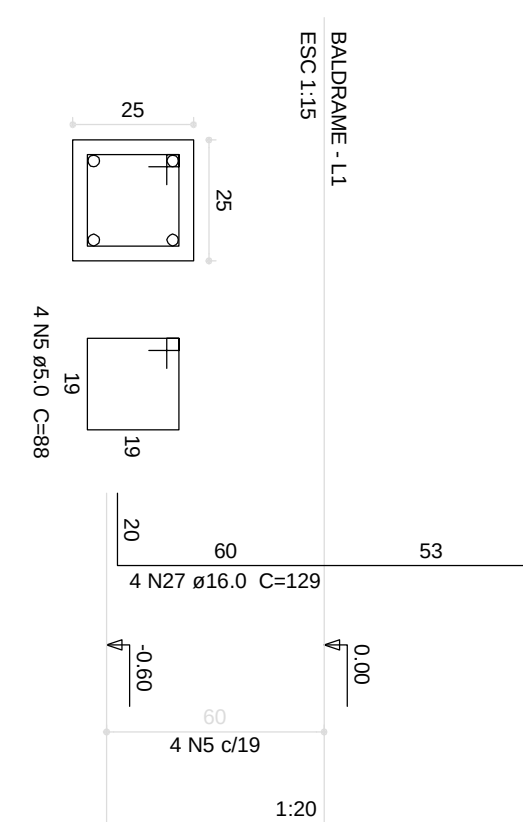
P200



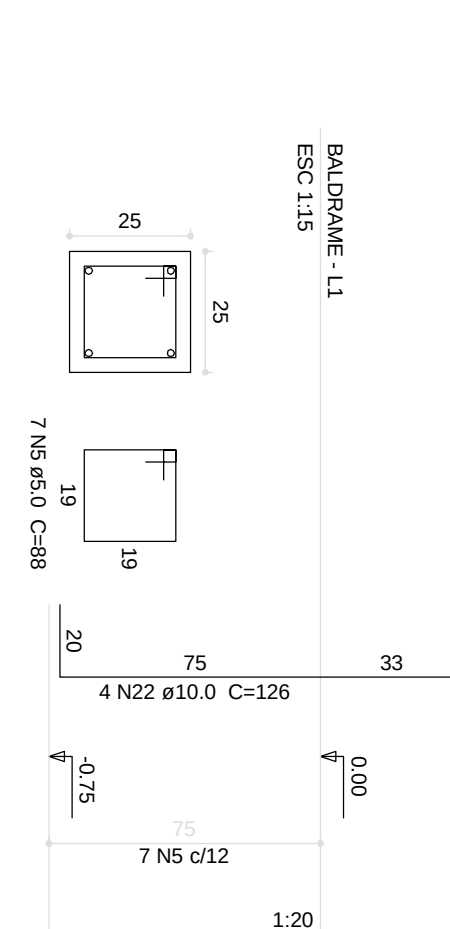
P199



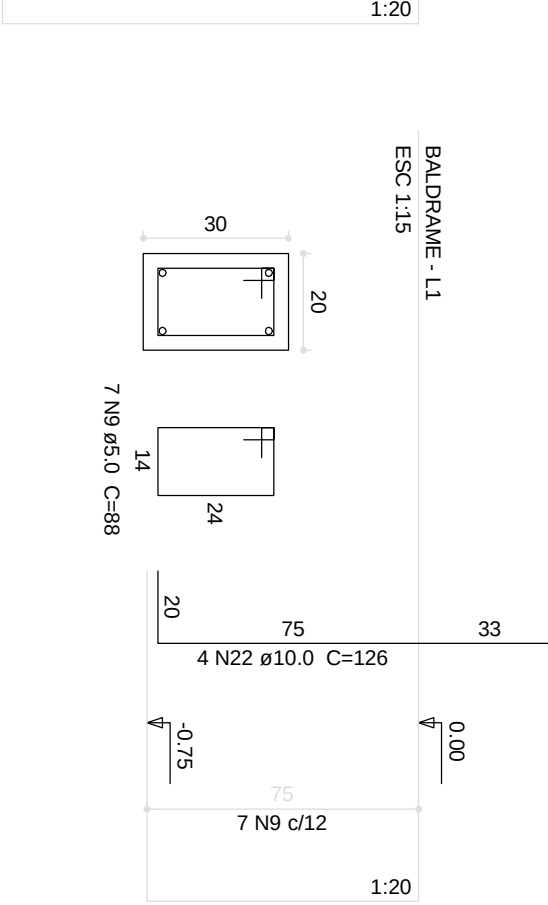
P186



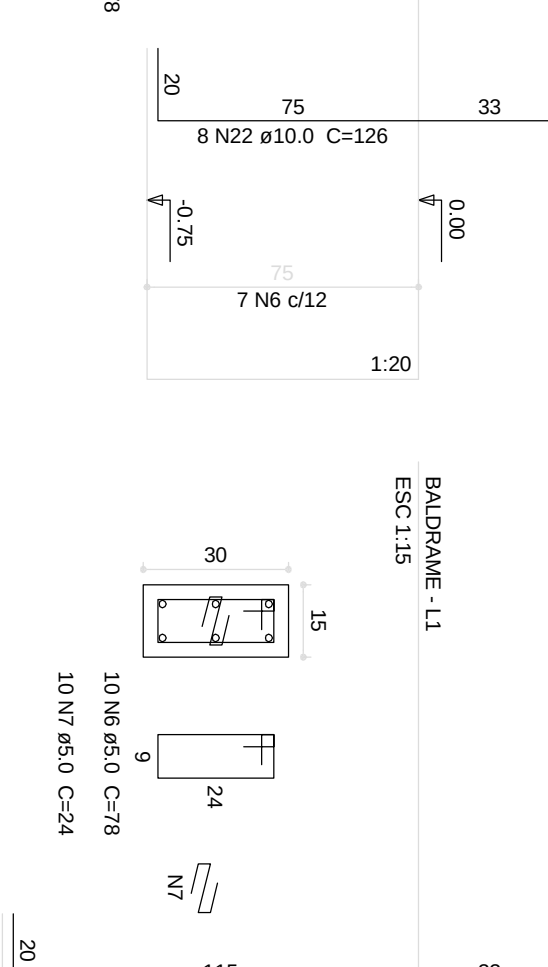
P219



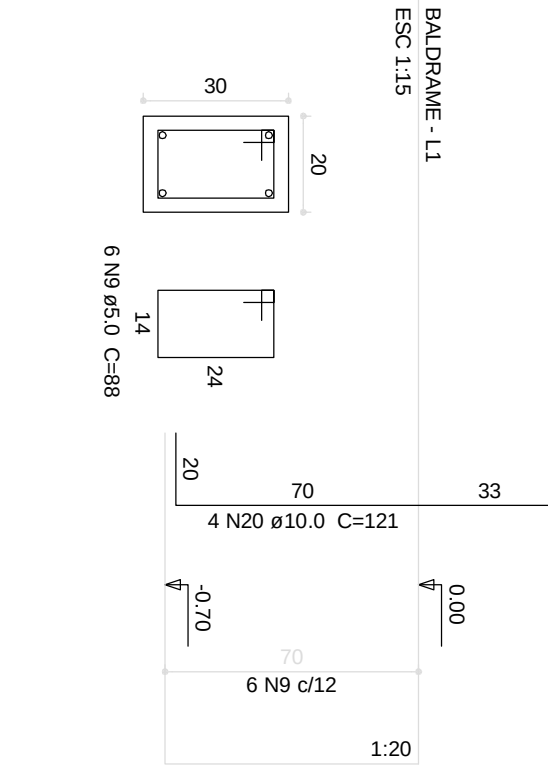
P218



P216=P217



P215



ITEM	DATA	RESPONSÁVEL	DESCRIÇÃO DA REVISÃO
1	22.08.2011		

PROJETO ESTRUTURAL
CONFERIR MEDIDAS NA OBRA

NUGEO - NÚCLEO DE GEOCIÊNCIAS

CAMPUS DIAMANTINA

RODOVIA MG 367, KM 583, Nº 5000 - ALTO DA JACUBA - DIAMANTINA/MG

PROPRIETÁRIO UNIVERSIDADE FEDERAL DOS VALES DO JEQUITINHONHA E MUCURI

CHPJ

16.886.315/0001-57

UFVJM

Autor do Projeto Estrutural / R.T.

Macedo Siqueira Projetos & Engenharia Ltda-ME

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Itapecuru - PA - 66.053-900 / 0835-518

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VERSÃO	DATA	AUTOCAD	TOTAL
1	22.08.2011		04/71