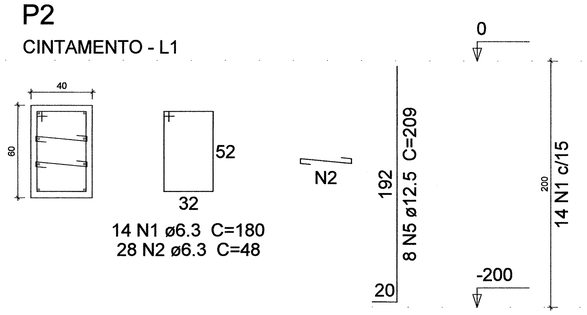
P2

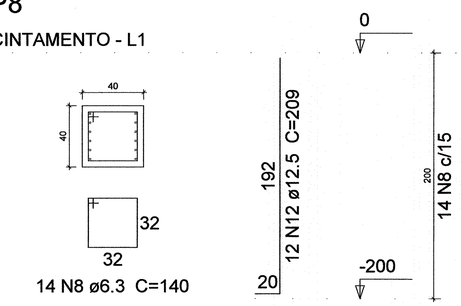
CINTAMENTO - L1



14 N1 ø6.3 C=180
28 N2 ø6.3 C=48

P8

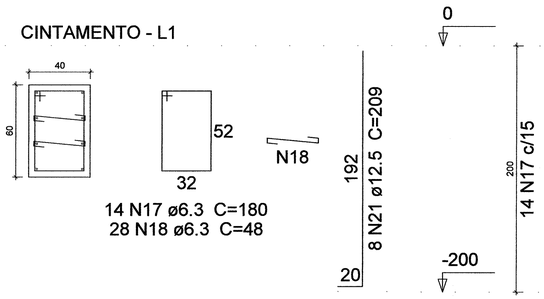
CINTAMENTO - L1



14 N8 ø6.3 C=140

P3=P4=P5=P6=P7=P14=P16=P18
P19=P20=P21=P22=P23=P24=P25=P26

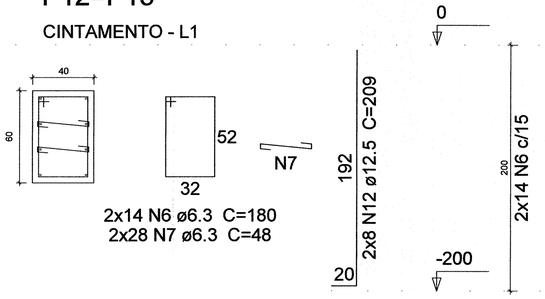
CINTAMENTO - L1



14 N17 ø6.3 C=180
28 N18 ø6.3 C=48

P12=P13

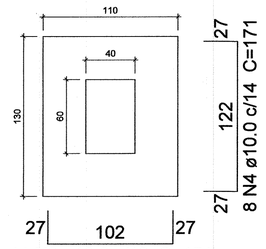
CINTAMENTO - L1



2x14 N6 ø6.3 C=180
2x28 N7 ø6.3 C=48

S2

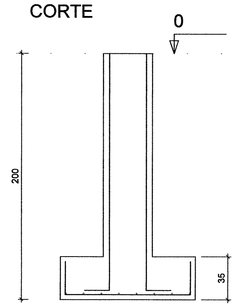
PLANTA



11 N3 ø10.0 c/12 C=151

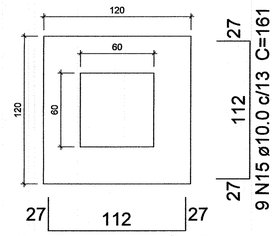
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

CORTE



S15

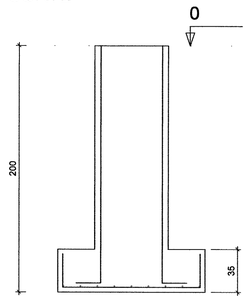
PLANTA



9 N15 ø10.0 c/13 C=161

Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE



Relação do aço

ELEMENTO	AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
S2	CA50	1	6.3	14	180	2520
	CA50	2	6.3	28	48	1344
	CA50	3	10.0	11	151	1661
	CA50	4	10.0	8	171	1368
	CA50	5	12.5	8	209	1672
S8	CA50	6	6.3	28	180	5040
	CA50	7	6.3	56	48	2688
	CA50	8	6.3	14	140	1960
	CA50	9	6.3	14	220	3080
	CA50	10	6.3	56	68	3808
	CA50	11	10.0	84	171	14364
	CA50	12	12.5	40	209	8360
S15	CA50	13	6.3	14	220	3080
	CA50	14	6.3	56	68	3808
	CA50	15	10.0	18	161	2898
	CA50	16	12.5	12	209	2508
16xS20	CA50	17	6.3	224	180	40320
	CA50	18	6.3	448	48	21504
	CA50	19	10.0	176	151	26576
	CA50	20	10.0	128	171	21888
	CA50	21	12.5	128	209	26752

Resumo do aço

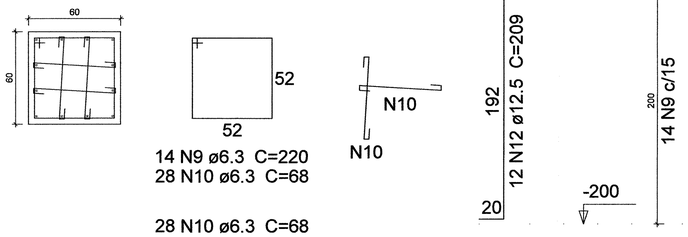
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	905.4	243.7
	10.0	687.6	466.3
	12.5	399.4	423.1

PESO TOTAL (kg)	
CA50	1133.1

Volume de concreto (C-25) = 22.45 m³
Área de forma = 127.92 m²

P9

CINTAMENTO - L1

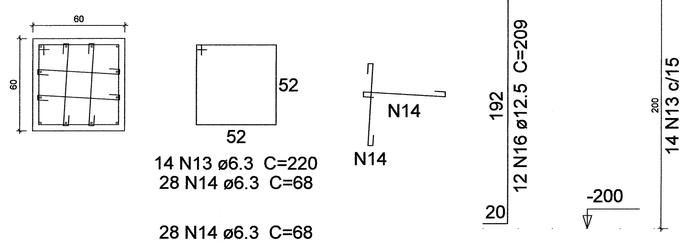


14 N9 ø6.3 C=220
28 N10 ø6.3 C=68

28 N10 ø6.3 C=68

P15

CINTAMENTO - L1

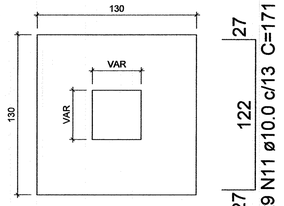


14 N13 ø6.3 C=220
28 N14 ø6.3 C=68

28 N14 ø6.3 C=68

S8=S9=S12=S13

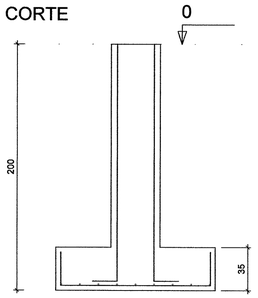
PLANTA



4x12 N11 ø10.0 c/11 C=171

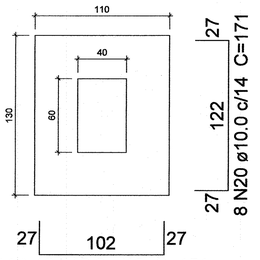
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE



S3=S4=S5=S6=S7=S14=S16=S18=S19
S20=S21=S22=S23=S24=S25=S26

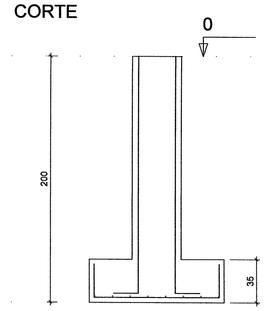
PLANTA



11 N19 ø10.0 c/12 C=151

Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE



USO DA PBH

REVISÃO

REVISÃO	DATA	ALTERAÇÕES

ANÁLISE DO PROJETO

DATA	PROJETO ACEITO	Nº DO RELATÓRIO DE ANÁLISE (RA)	ANALISTA TÉCNICO
	☐ SIM ☐ NÃO		

URBEL
Cia. Urbanizadora e de Habitação de Belo Horizonte
DIRETOR PRESIDENTE: CLÁUDIUS VINÍCIUS LEITE PEREIRA

PREFEITURA BELO HORIZONTE

COMUNIDADE DANDARA
POSTO DE SAÚDE AV. DANDARA

DIRETORIA DE PROJETOS: ALUISIO ROCHA MOREIRA
DIVISÃO DE PROJETOS: HELEN JOSIANE MOURA DE SOUSA BELO
SUPERVISÃO DE PROJETOS: ALESSANDRO SPERANDIO DE SÁ
FISCALIZAÇÃO DO CONTRATO:

CONTEÚDO
PROJETO BÁSICO ESTRUTURAL
ARMAÇÃO DE SAPATAS E PILARES – PARTE 2

CONTRATO Nº:
EMPRESA:

RT. DA EMPRESA
RT. DO PROJETO: PAULO EUSTÁQUIO RASO – CREA 41.419/D

REGIONAL	ESCALA	DATA
PAMPULHA	INDICADA	MAIO/18

ART/RRT Nº	DESENHO Nº
4602673	EST–05/08

NOME DO ARQUIVO