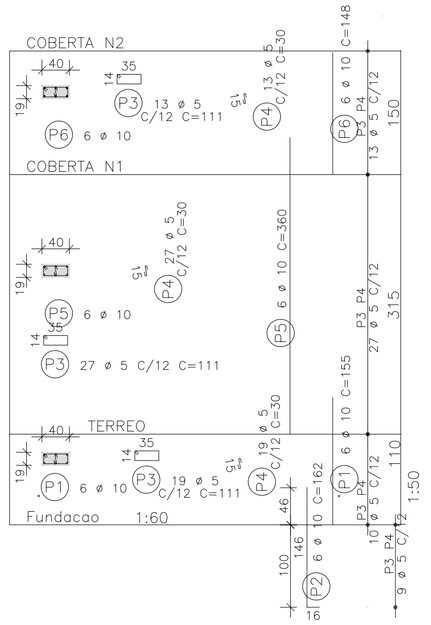
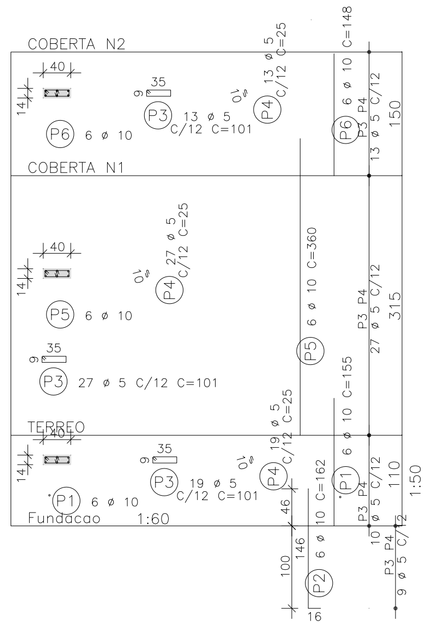
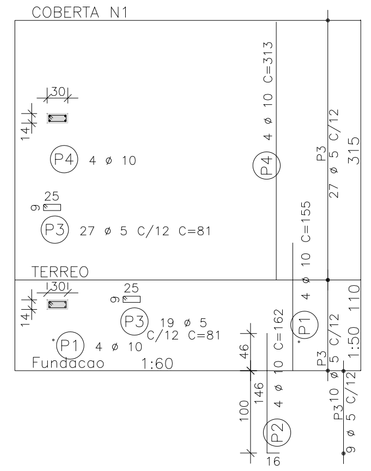
P1=P2=P4=P5=P22=P30=P51



P3=P8=P21=P23=P29=P31=P41=P50=P52



P6=P7=P9=P10=P11=P12=P14=P16=P19=P20
P24=P25=P26=P28=P32=P33=P34=P35=P36=P37
P40=P43=P44=P45=P46=P47

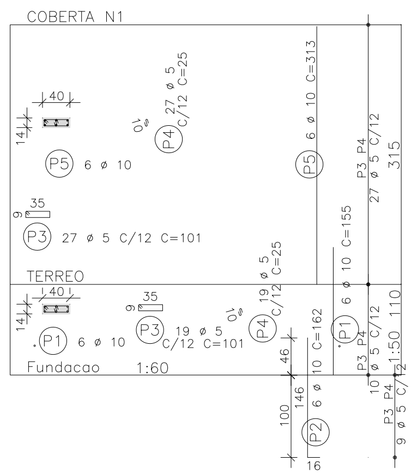


AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
P1=P2=P4=P5=P22=P30=P51 (X7)					
50A	1	10	42	155	6510
50A	2	10	42	162	6804
60	3	5	413	111	45843
60	4	5	413	30	12390
50A	5	10	42	360	15120
50A	6	10	42	148	6216
P3=P8=P21=P23=P29=P31=P41=P50=P52 (X9)					
50A	1	10	54	155	8370
50A	2	10	54	162	8748
60	3	5	531	101	53631
60	4	5	531	25	13275
50A	5	10	54	360	19440
50A	6	10	54	148	7992
P6=P7=P9=P10=P11=P12=P14=P16=P19=P20 (X26)					
50A	1	10	104	155	16120
50A	2	10	104	162	16848
60	3	5	1196	81	96876
50A	4	10	104	313	32552
P13					
50A	1	10	6	155	930
50A	2	10	6	162	972
60	3	5	46	101	4646
60	4	5	46	25	1150
50A	5	10	6	313	1878
P15					
50A	1	10	8	155	1240
50A	2	10	8	162	1296
60	3	5	59	111	6549
60	4	5	118	30	3540
50A	5	10	8	360	2880
50A	6	10	8	148	1184
P17=P18=P38=P48=P49 (X5)					
50A	1	10	20	155	3100
50A	2	10	20	162	3240
60	3	5	240	81	19440
50A	4	10	20	340	6800
P27					
50A	1	12.5	4	165	660
50A	2	12.5	4	175	700
60	3	5	39	81	3159
50A	4	12.5	4	313	1252
P39					
50A	1	10	4	155	620
50A	2	10	4	162	648
60	3	5	46	69	3174
50A	4	10	4	313	1252
P42					
50A	1	10	8	155	1240
50A	2	10	8	162	1296
60	3	5	59	101	5959
60	4	5	118	25	2950
50A	5	10	8	360	2880
50A	6	10	8	148	1184
PM1 A PM35 (X35)					
50A	1	10	140	108	15120
50A	2	10	140	172	24080
60	3	5	665	73	48545
PA1=PA2=PA3=PA4 (X4)					
50A	1	10	16	193	3088
50A	2	10	16	172	2752
60	3	5	104	71	7384

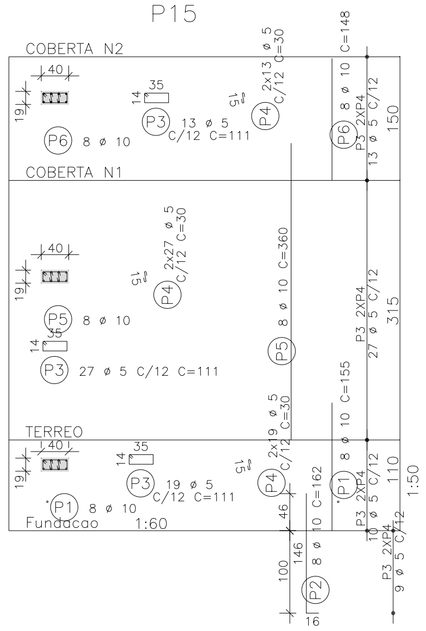
RESUMO AÇO CA 50-60			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
60	5	3285	506
50A	10	2224	1372
50A	12.5	26	25
Peso Total	60 =		506 kg
Peso Total	50A =		1397 kg

NOTA:
CONFERIR INFORMAÇÕES DA TABELA ACIMA
NA OBRA ANTES DA COMPRA DAS ARMADURAS.

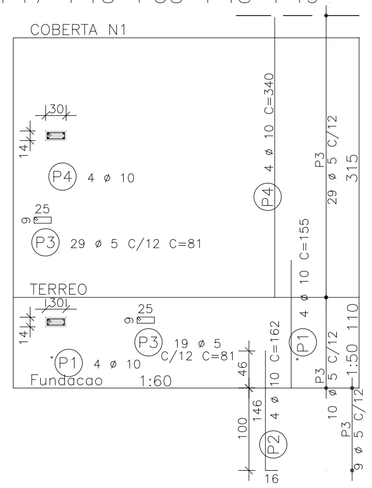
P13



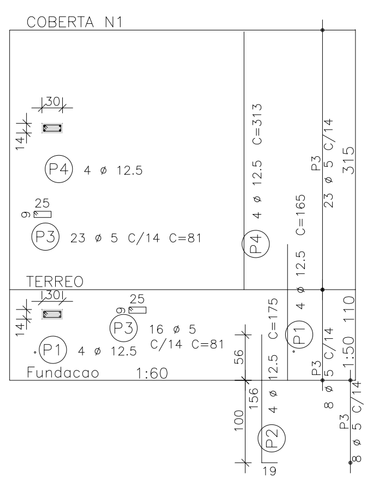
P15



P17=P18=P38=P48=P49



P27



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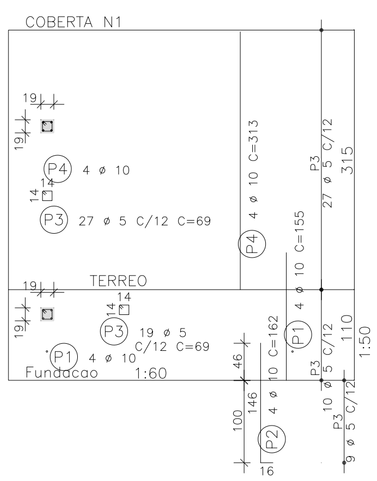
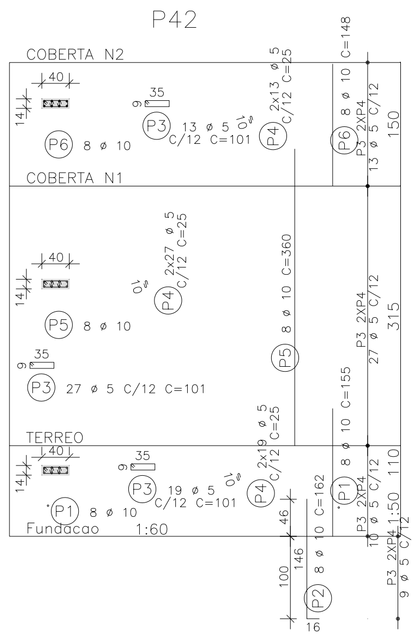
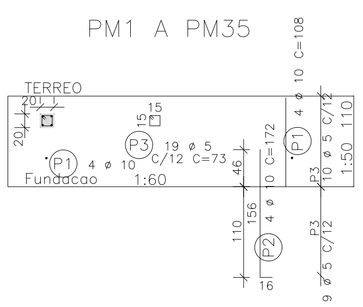


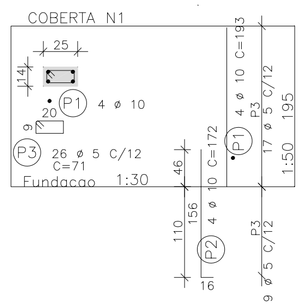
P42



PM1 A PM35



PA1=PA2=PA3=PA4



OBS.: CONFERIR MEDIDAS NO LOCAL, SUBMETER A ANÁLISE DE ENGENHEIRO RESPONSÁVEL

REV.	MODIFICAÇÃO	DATA	RESP.
00	EMISSÃO INICIAL	NOV./2017	

atp engenharia
CONCREMAT engenharia
PREFEITURA DE MACEIÓ JUNTOS CONSTRUÍMOS UM NOVO TEMPO

COORDENADOR DO PROJETO	CREA	AUTORES DO PROJETO/RESP. TÉCNICO	CREA / CAU	DESENHISTA
COORDENADOR DO CONTRATO	CREA	CO-AUTOR DO PROJETO	CREA / CAU	ESCALA 1:50 / DATA NOV./2017

CLIENTE: PREFEITURA MUNICIPAL DE MACEIÓ
SECRETARIA: SEMINFRA
PROJETO: REDE DE FRIO
SECRETARIA SOLICITANTE: SMS
LOCALIZAÇÃO: VILA EMATER, BAIRRO JACARECICA - MACEIÓ - AL
ESPECIALIDADE: ESTRUTURAS DE CONCRETO
ESPECIFICAÇÃO DO DOCUMENTO: Armação dos Pilares.

CLASSE DO PROJETO	TIPO DE OBRA	ÁREA DO PROJETO
PROJETO BÁSICO	CONSTRUÇÃO	580,55m²

CODIFICAÇÃO: 236.01-RFR-PB-PP-C00-08de18-R00