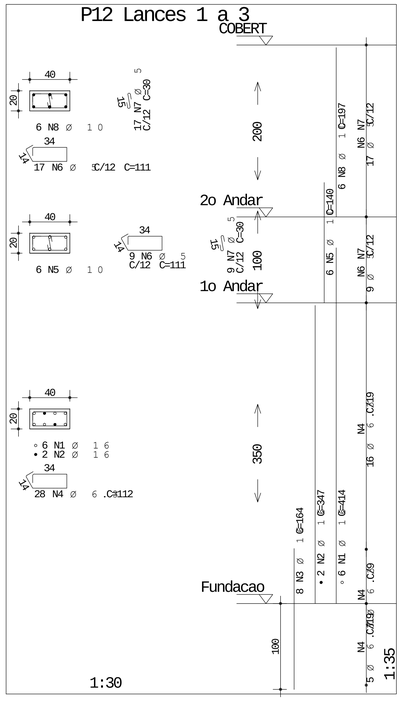
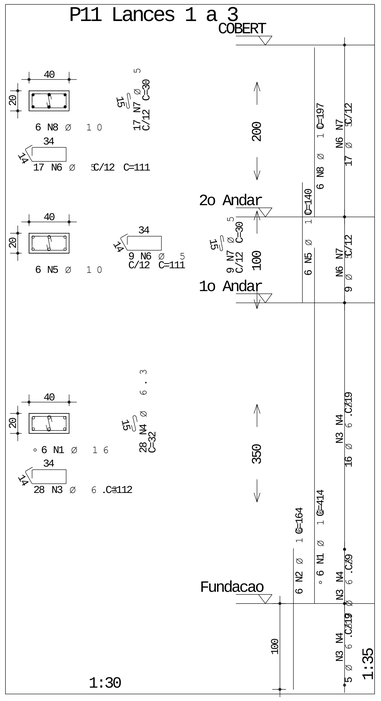
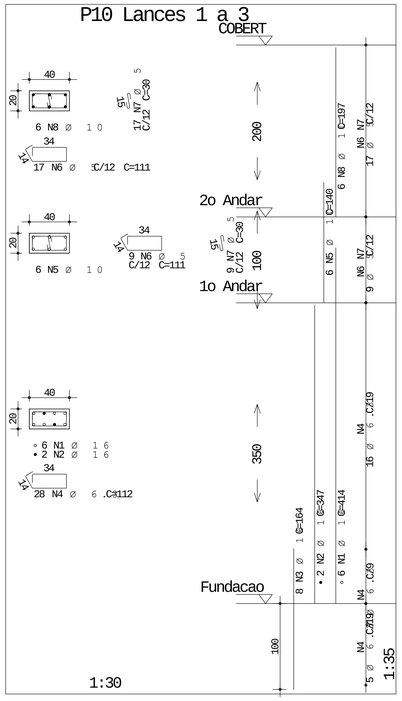
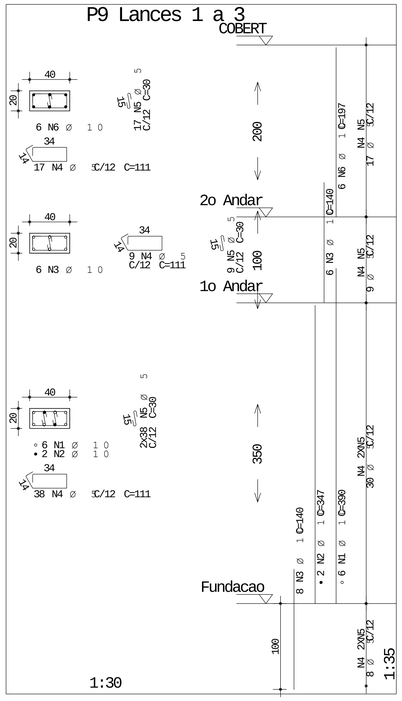




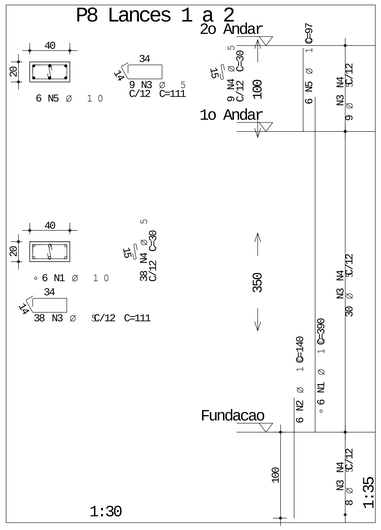


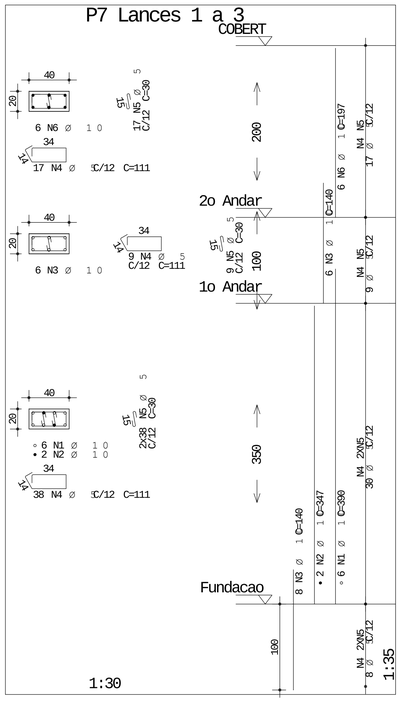


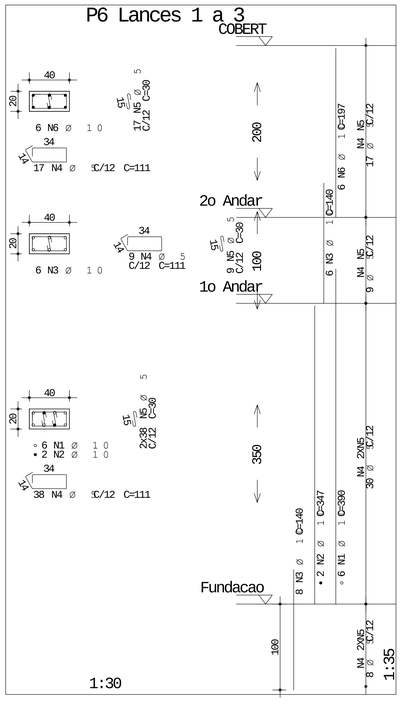
AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
P5 Lances 1 a 2					
50A	1	10	6	390	2340
50A	2	10	6	140	840
60B	3	5	47	111	5217
60B	4	5	47	30	1410
50A	5	10	6	97	582
P6 Lances 1 a 3					
50A	1	10	6	390	2340
50A	2	10	2	347	694
50A	3	10	14	140	1960
60B	4	5	64	111	7104
60B	5	5	102	30	3060
50A	6	10	6	197	1182
P7 Lances 1 a 3					
50A	1	10	6	390	2340
50A	2	10	2	347	694
50A	3	10	14	140	1960
60B	4	5	64	111	7104
60B	5	5	102	30	3060
50A	6	10	6	197	1182
P8 Lances 1 a 2					
50A	1	10	6	390	2340
50A	2	10	6	140	840
60B	3	5	47	111	5217
60B	4	5	47	30	1410
50A	5	10	6	97	582
P9 Lances 1 a 3					
50A	1	10	6	390	2340
50A	2	10	2	347	694
50A	3	10	14	140	1960
60B	4	5	64	111	7104
60B	5	5	102	30	3060
50A	6	10	6	197	1182
P10 Lances 1 a 3					
50A	1	16	6	414	2484
50A	2	16	2	347	694
50A	3	16	8	164	1312
50A	4	6.3	28	112	3136
50A	5	10	6	140	840
60B	6	5	26	111	2886
60B	7	5	26	30	780
50A	8	10	6	197	1182
P11 Lances 1 a 3					
50A	1	16	6	414	2484
50A	2	16	6	164	984
50A	3	6.3	28	112	3136
50A	4	6.3	28	32	896
50A	5	10	6	140	840
60B	6	5	26	111	2886
60B	7	5	26	30	780
50A	8	10	6	197	1182
P12 Lances 1 a 3					
50A	1	16	6	414	2484
50A	2	16	2	347	694
50A	3	16	8	164	1312
50A	4	6.3	28	112	3136
50A	5	10	6	140	840
60B	6	5	26	111	2886
60B	7	5	26	30	780
50A	8	10	6	197	1182

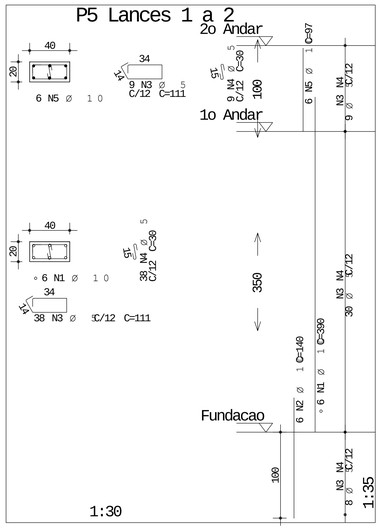
RESUMO AÇO CA 50-60

AÇO	BIT (mm)	COMPR (m)	PESO (kg)
60B	5	547	84
50A	6.3	103	25
50A	10	321	198
50A	16	124	196
Peso Total	60B =		84 kg
Peso Total	50A =		420 kg









CLIENTE	UENP CCP		OBRA N.º CCP_PD 2017
OBRA	BLOCO DE SALAS BIOLOGIA/GEOGRAFIA/MATEMÁTICA/PÓS-GRADUAÇÃO		DES. N.º 03/12
TITULO	PROJETO ESTRUTURAL ABRIGO DOS RESERVATÓRIOS –PILAR		REV. N.º
DATA 15/11/2017	ESCALA 1:50	FCK 25 MPA / DESENHO / VERIF.	ENG.º LINCOLN

CCP_PD2017_RESERVATORIOS