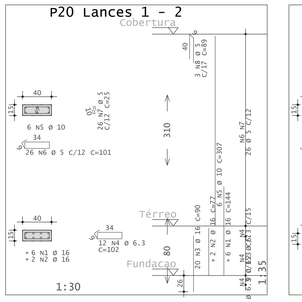
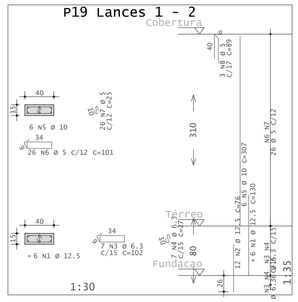
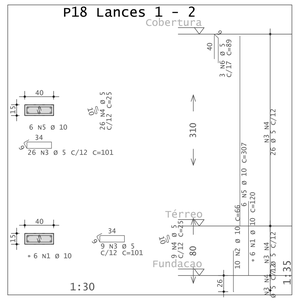
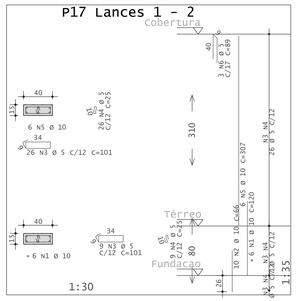
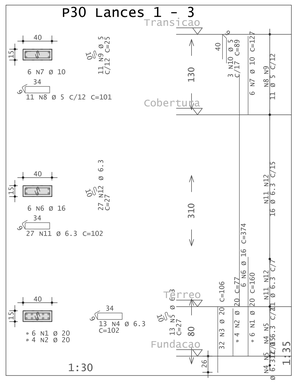


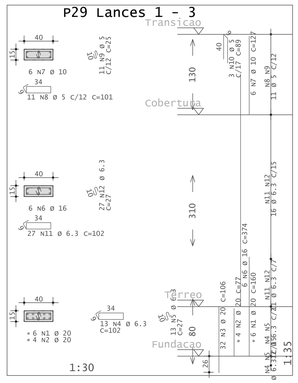


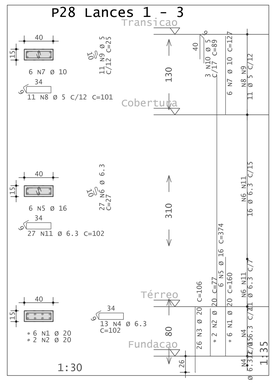


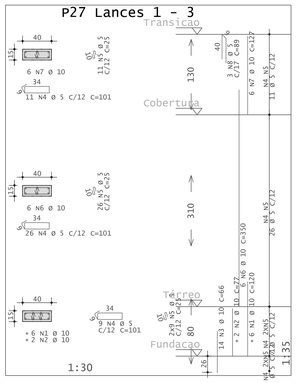


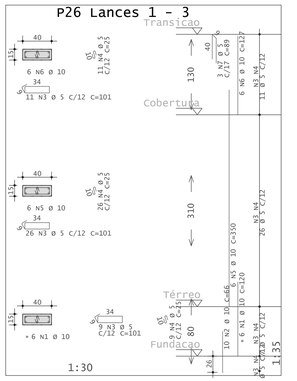


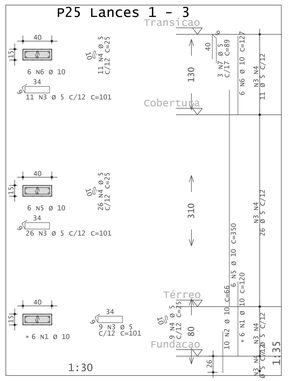


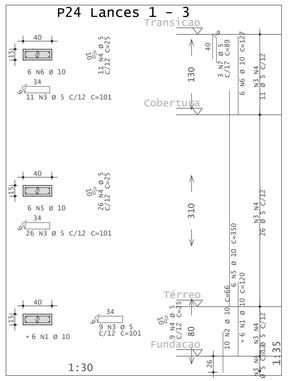












AÇO	POS	BIT mm	QUANT	COMPRIMENTO UNIT cm	COMPRIMENTO TOTAL cm
P22 Lances 1 - 3					
	50A	1	10	320	720
	50A	2	10	66	660
	60A	3	5	101	4646
	60A	4	5	46	2150
	50A	5	10	350	2100
	50A	6	10	127	762
	50A	7	5	89	267
P23 Lances 1 - 3					
	50A	1	10	320	720
	60A	2	10	66	660
	60A	3	5	101	3535
	60A	4	5	46	1842
	50A	5	10	350	2100
	50A	6	10	127	762
	50A	7	5	89	267
P24 Lances 1 - 3					
	50A	1	10	320	720
	50A	2	10	66	660
	60A	3	5	101	3535
	60A	4	5	46	1842
	50A	5	10	350	2100
	50A	6	10	127	762
	50A	7	5	89	267
P25 Lances 1 - 3					
	50A	1	10	320	720
	60A	2	10	66	660
	60A	3	5	101	3535
	60A	4	5	46	1842
	50A	5	10	350	2100
	50A	6	10	127	762
	50A	7	5	89	267
P26 Lances 1 - 3					
	50A	1	10	320	720
	60A	2	10	66	660
	60A	3	5	101	3535
	60A	4	5	46	1842
	50A	5	10	350	2100
	50A	6	10	127	762
	50A	7	5	89	267
P27 Lances 1 - 3					
	50A	1	10	320	720
	60A	2	10	66	660
	60A	3	5	101	3535
	60A	4	5	46	1842
	50A	5	10	350	2100
	50A	6	10	127	762
	50A	7	5	89	267
P28 Lances 1 - 3					
	50A	1	20	480	960
	50A	2	20	77	154
	50A	3	20	106	2736
	60A	4	13	102	1326
	60A	5	16	374	2244
	50A	6	10	127	762
	60A	7	5	101	1111
	60A	8	5	25	275
	60A	10	5	89	267
	50A	11	6.3	22	2754
P29 Lances 1 - 3					
	50A	1	20	480	960
	50A	2	20	77	154
	50A	3	20	106	2736
	60A	4	13	102	1326
	60A	5	16	374	2244
	50A	6	10	127	762
	60A	7	5	101	1111
	60A	8	5	25	275
	60A	10	5	89	267
	50A	11	6.3	22	2754
P30 Lances 1 - 3					
	50A	1	20	480	960
	50A	2	20	77	154
	50A	3	20	106	2736
	60A	4	13	102	1326
	60A	5	16	374	2244
	50A	6	10	127	762
	60A	7	5	101	1111
	60A	8	5	25	275
	60A	10	5	89	267
	50A	11	6.3	22	2754

AÇO	POS	BIT mm	QUANT	COMPRIMENTO UNIT cm	COMPRIMENTO TOTAL cm
P10 Lances 1 - 2					
	50A	1	10	320	720
	60A	2	10	66	660
	60A	3	5	101	3535
	60A	4	5	46	1842
	50A	5	10	350	2100
	50A	6	10	127	762
	50A	7	5	89	267
P11 Lances 1 - 2					
	50A	1	10	320	720
	60A	2	10	66	660
	60A	3	5	101	3535
	60A	4	5	46	1842
	50A	5	10	350	2100
	50A	6	10	127	762
	50A	7	5	89	267
P12 Lances 1 - 2					
	50A	1	10	320	720
	60A	2	10	66	660
	60A	3	5	101	3535
	60A	4	5	46	1842
	50A	5	10	350	2100
	50A	6	10	127	762
	50A	7	5	89	267
P13 Lances 1 - 2					
	50A	1	10	320	720
	60A	2	10	66	660
	60A	3	5	101	3535
	60A	4	5	46	1842
	50A	5	10	350	2100
	50A	6	10	127	762
	50A	7	5	89	267
P14 Lances 1 - 3					
	50A	1	20	480	960
	50A	2	20	77	154
	50A	3	10	320	3200
	60A	4	6.3	13	1026
	60A	5	16	374	2244
	50A	6	10	127	762
	60A	7	5	101	1111
	60A	8	5	25	275
	60A	10	5	89	267
	50A	11	6.3	22	2754
P15 Lances 1 - 3					
	50A	1	10	320	720
	60A	2	10	66	660
	60A	3	5	101	3535
	60A	4	5	46	1842
	50A	5	10	350	2100
	50A	6	10	127	762
	50A	7	5	89	267
P16 Lances 1 - 2					
	50A	1	10	320	720
	60A	2	10	66	660
	60A	3	5	101	3535
	60A	4	5	46	1842
	50A	5	10	350	2100
	50A	6	10	127	762
	50A	7	5	89	267
P17 Lances 1 - 2					
	50A	1	10	320	720
	60A	2	10	66	660
	60A	3	5	101	3535
	60A	4	5	46	1842
	50A	5	10	350	2100
	50A	6	10	127	762
	50A	7	5	89	267
P18 Lances 1 - 2					
	50A	1	10	320	720
	60A	2	10	66	660
	60A	3	5	101	3535
	60A	4	5	46	1842
	50A	5	10	307	1842
	50A	6	10	127	762
	50A	7	5	89	267
P19 Lances 1 - 2					
	50A	1	10.5	130	780
	50A	2	10	101	707
	50A	3	6.3	102	714
	60A	4	13	102	1326
	60A	5	16	374	1842
	50A	6	10	101	2626
	60A	7	5	25	650
	60A	8	5	89	267
P20 Lances 1 - 2					
	50A	1	10	320	720
	60A	2	16	77	864
	50A	3	16	77	154
	60A	4	6.3	13	1026
	60A	5	16	374	1274
	50A	6	10	127	762
	60A	7	5	101	2626
	60A	8	5	25	650
	60A	10	5	89	267
P21 Lances 1 - 3					
	50A	1	20	480	960
	50A	2	20	77	154
	50A	3	20	106	2736
	60A	4	13	102	1326
	60A	5	16	374	2244
	50A	6	6.3	27	729
	60A	7	5	101	1111
	60A	8	5	25	275
	60A	10	5	89	267
	50A	11	6.3	22	2754

RESUMO DE AÇO			
AÇO	BIT mm	COMPR m	PESO kgf
60A	4.2	898	138
50A	6.3	280	69
50A	10	592	361
60A	12.5	141	227
50A	16	201	497
Peso Total	60A =		138 kgf
Peso Total	50A =		1190 kgf

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• klemmer.engenharia@gmail.com

REFORMA DO CENTRO DE EDUCAÇÃO INFANTIL EMÍLIA CADETE DE SIQUEIRA

PROPRIETÁRIO: SECRETARIA DE EDUCAÇÃO DE CAETÉS **MUNICÍPIO:** CAETÉS - PE
CNPJ: 30.951.904/0001-63

PROPRIETÁRIO

RESPONSÁVEL TÉCNICO: GUSTAVO KLEMMER FERREIRA DE FRANÇA

RESPONSÁVEL TÉCNICO

DETALHAMENTO DOS PILARES - 01

POVOADO ATOLEIROS

ÁREAS DO PROJETO:
552 m²

PRANCHA: 04/09

DESENHO:	DATA:	ESCALA:
1189 x 594 mm	JANEIRO 2009	INDICADA