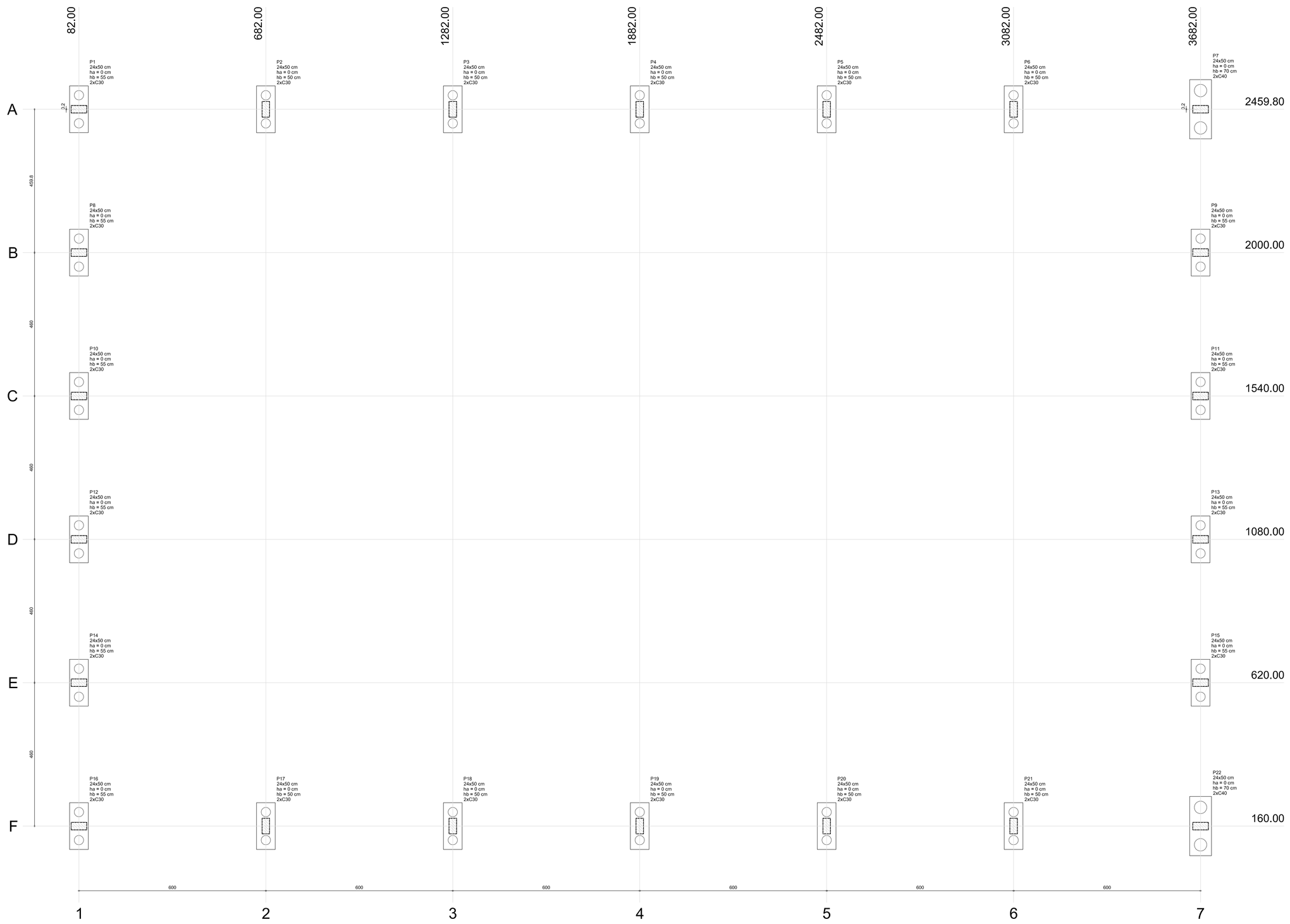
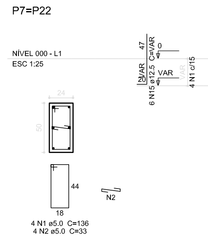
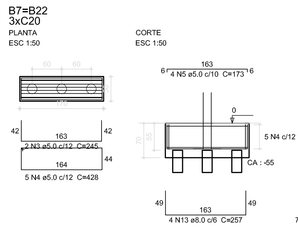


1 LOCAÇÃO DA OBRA
ESCALA 1/50

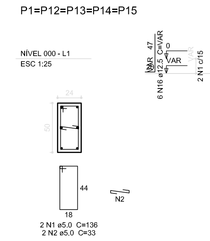
P7≡P22



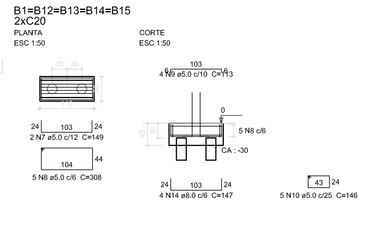
B7≡B22
3xC20



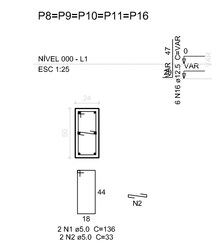
P1≡P12≡P13≡P14≡P15



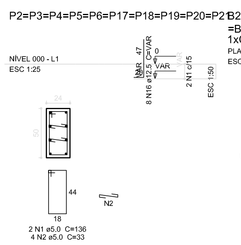
B1≡B12≡B13≡B14≡B15
2xC20



P8≡P9≡P10≡P11≡P16



P2≡P3≡P4≡P5≡P6≡P17≡P18≡P19≡P20≡P21≡B2≡B3≡B4≡B5≡B6≡B8≡B9≡B10≡B11≡B16≡B17 ≡B18≡B19≡B20≡B21
1xC20



Relação do aço

5xB15
5xP1
5xP5

15xB21
10xP2

2xB22
2xP7

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	48	136	6528
	2	5.0	68	33	2244
	3	5.0	4	245	980
	4	5.0	10	428	4280
	5	5.0	8	173	1384
	6	5.0	14	196	2744
	7	5.0	10	149	1490
	8	5.0	25	308	7700
	9	5.0	20	113	2260
	10	5.0	25	146	3650
	11	5.0	75	188	14100
	12	5.0	30	182	5460
CA50	13	8.0	8	257	2056
	14	8.0	20	147	2940
	15	12.5	12	VAR	VAR
	16	12.5	140	VAR	VAR

Resumo do aço

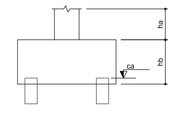
AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	50	19.8
	12.5	145.9	145.9
CA60	5.0	528.2	81.3
PESO TOTAL (kg)			
CA50	160.3		
CA60	81.3		

Volume de concreto (C-25) = 0.85 m³
Volume de concreto (C-20) = 3.97 m³
Área de forma = 37.37 m²

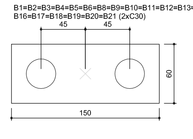
2 BLOCOS DE FUNDAÇÃO
ESCALA 1/50

Nome	Seção (cm)	X (cm)	Y (cm)	Carga Máx. (kgf)	Carga Mín. (kgf)	Fundação Lado B (cm)	Lado H (cm)	h0 / ha (cm)	h1 / hb (cm)	ne	Bloco Estaca	ca (cm)	Base tub. (cm)
P1	24x50	82.00	2460.00	9500	9000	150	60	0	55	2	C30	-40	
P2	24x50	682.00	2459.80	9700	9400	150	60	0	50	2	C30	-35	
P3	24x50	1282.00	2459.80	9700	9400	150	60	0	50	2	C30	-35	
P4	24x50	1882.00	2459.80	9700	9400	150	60	0	50	2	C30	-35	
P5	24x50	2482.00	2459.80	9700	9400	150	60	0	50	2	C30	-35	
P6	24x50	3082.00	2459.80	9800	9400	150	60	0	50	2	C30	-35	
P7	24x50	3682.00	2460.00	10000	9400	190	70	0	70	2	C40	-55	
P8	24x50	82.00	2000.00	9700	9300	150	60	0	55	2	C30	-40	
P9	24x50	3682.00	2000.00	9700	9300	150	60	0	55	2	C30	-40	
P10	24x50	82.00	1540.00	9600	9300	150	60	0	55	2	C30	-40	
P11	24x50	3682.00	1540.00	9600	9300	150	60	0	55	2	C30	-40	
P12	24x50	82.00	1080.00	9600	9300	150	60	0	55	2	C30	-40	
P13	24x50	3682.00	1080.00	9600	9300	150	60	0	55	2	C30	-40	
P14	24x50	82.00	620.00	9800	9400	150	60	0	55	2	C30	-40	
P15	24x50	3682.00	620.00	9800	9400	150	60	0	55	2	C30	-40	
P16	24x50	82.00	160.00	9900	9400	150	60	0	55	2	C30	-40	
P17	24x50	682.00	160.00	9700	9400	150	60	0	50	2	C30	-35	
P18	24x50	1282.00	160.00	9700	9400	150	60	0	50	2	C30	-35	
P19	24x50	1882.00	160.00	9700	9400	150	60	0	50	2	C30	-35	
P20	24x50	2482.00	160.00	9700	9400	150	60	0	50	2	C30	-35	
P21	24x50	3082.00	160.00	9800	9400	150	60	0	50	2	C30	-35	
P22	24x50	3682.00	160.00	9500	8900	190	70	0	70	2	C40	-55	

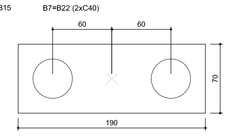
Estacas	
Nome	Quantidade
C30	40
C40	4



B1≡B2≡B3≡B4≡B5≡B6≡B8≡B9≡B10≡B11≡B12≡B13≡B14≡B15
B16≡B17≡B18≡B19≡B20≡B21 (2xC30)



B7≡B22 (2xC40)



Legenda dos blocos
escala 1:25

FDNE	Fundo Nacional do Desenvolvimento da Educação
BRASIL	GOVERNO FEDERAL — PAÍS RICO É PAÍS SEM POBREZA
Ministério da Educação	

PROJETO PADRÃO - FNDE

MUNICÍPIO → UF:
PROPRIETÁRIO:
ENDEREÇO:

PROPRIETÁRIO
RESP. TÉCNICO — CAU/ CREA

DLFD	CAU/ CREA
	RA

OBSERVAÇÕES:

ESCOLA 12 SALAS - QUADRA
PROJETO DE ESTRUTURA

COORDENAÇÃO			
CGEST - Coordenação Geral de Infraestrutura Educacional	BLOCO G: QUADRA COBERTA LOCAÇÃO DA OBRA		SFN
FORMATO (147X96M0)	REVISÃO R-01	ESCALA INDICADA DATA EMISSÃO JUNHO/2014	PRANCHA 36/42