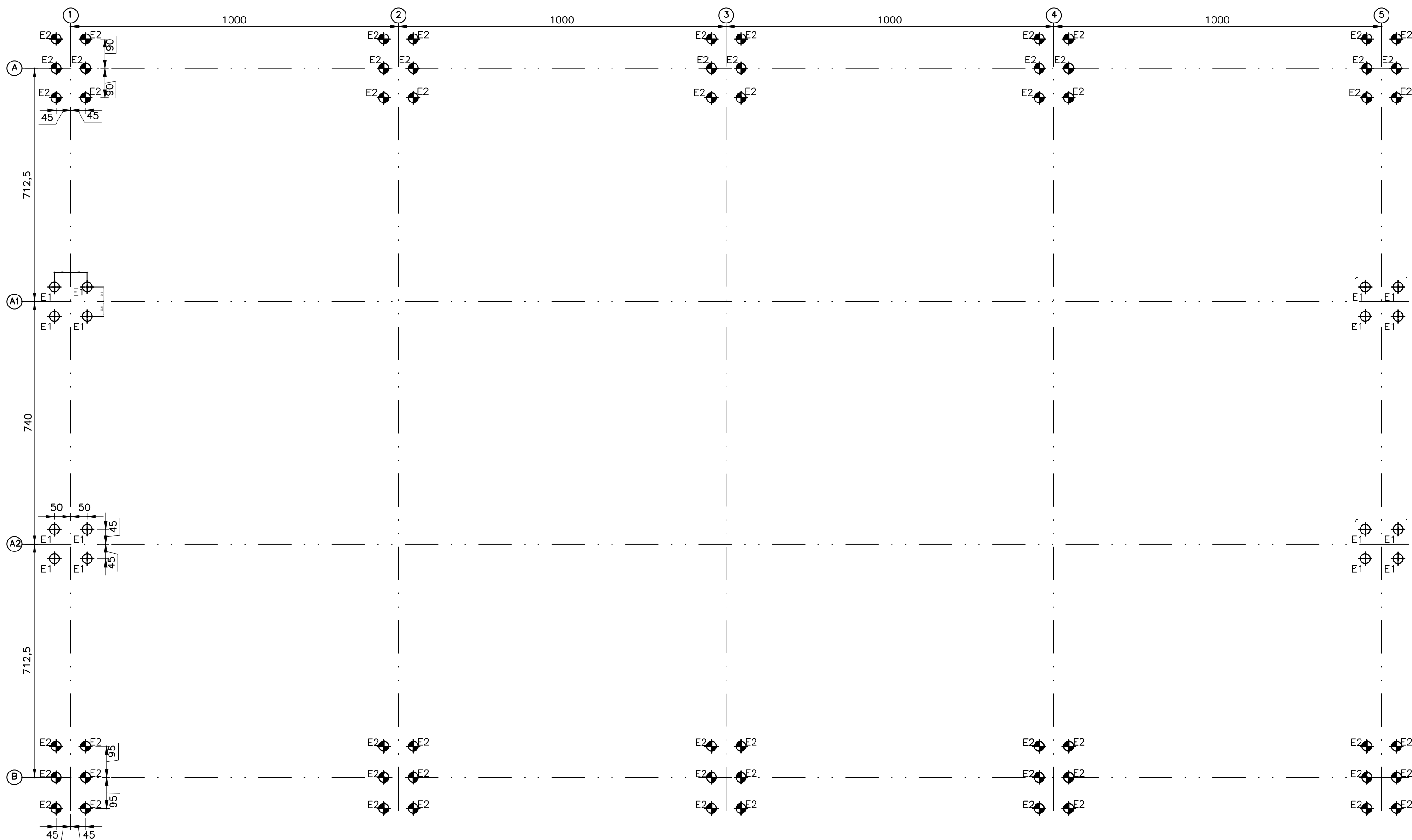


LOCAÇÃO ESTACAS

ESC: 1:100



ARMAÇÃO ESTACAS

ESC: SEM ESCALA

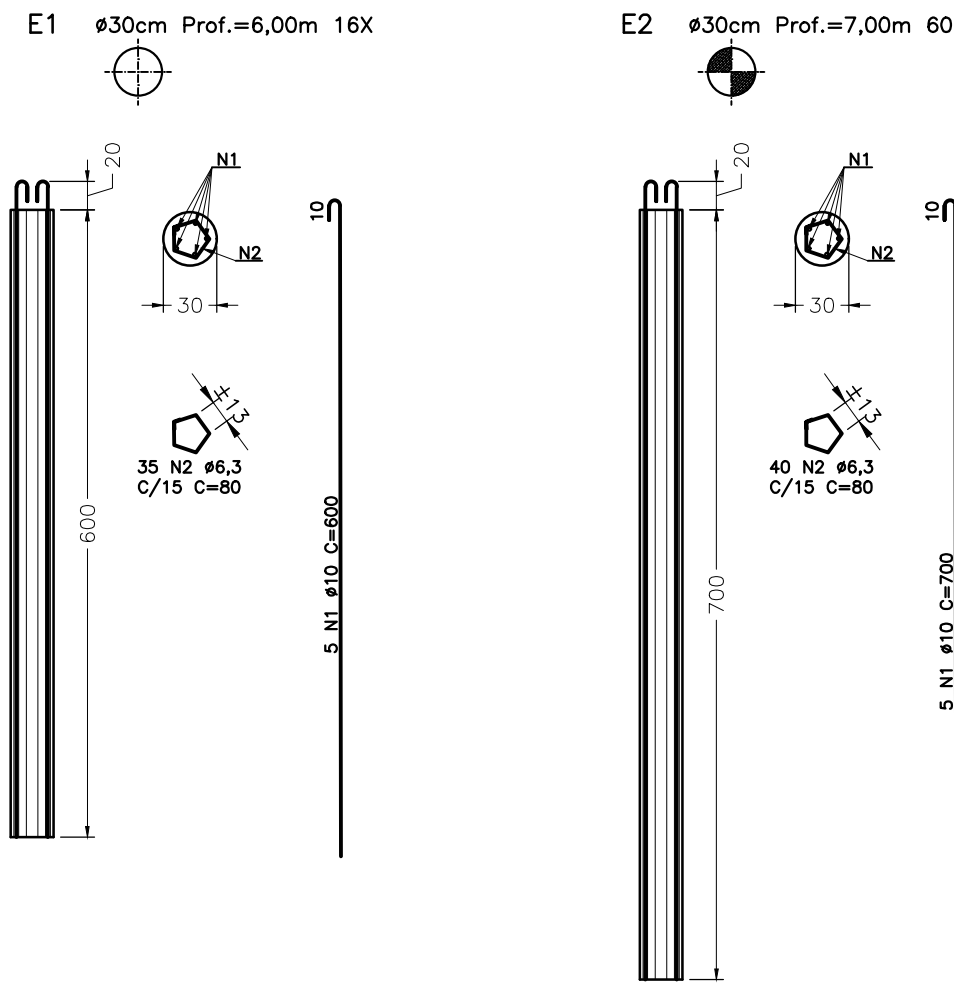


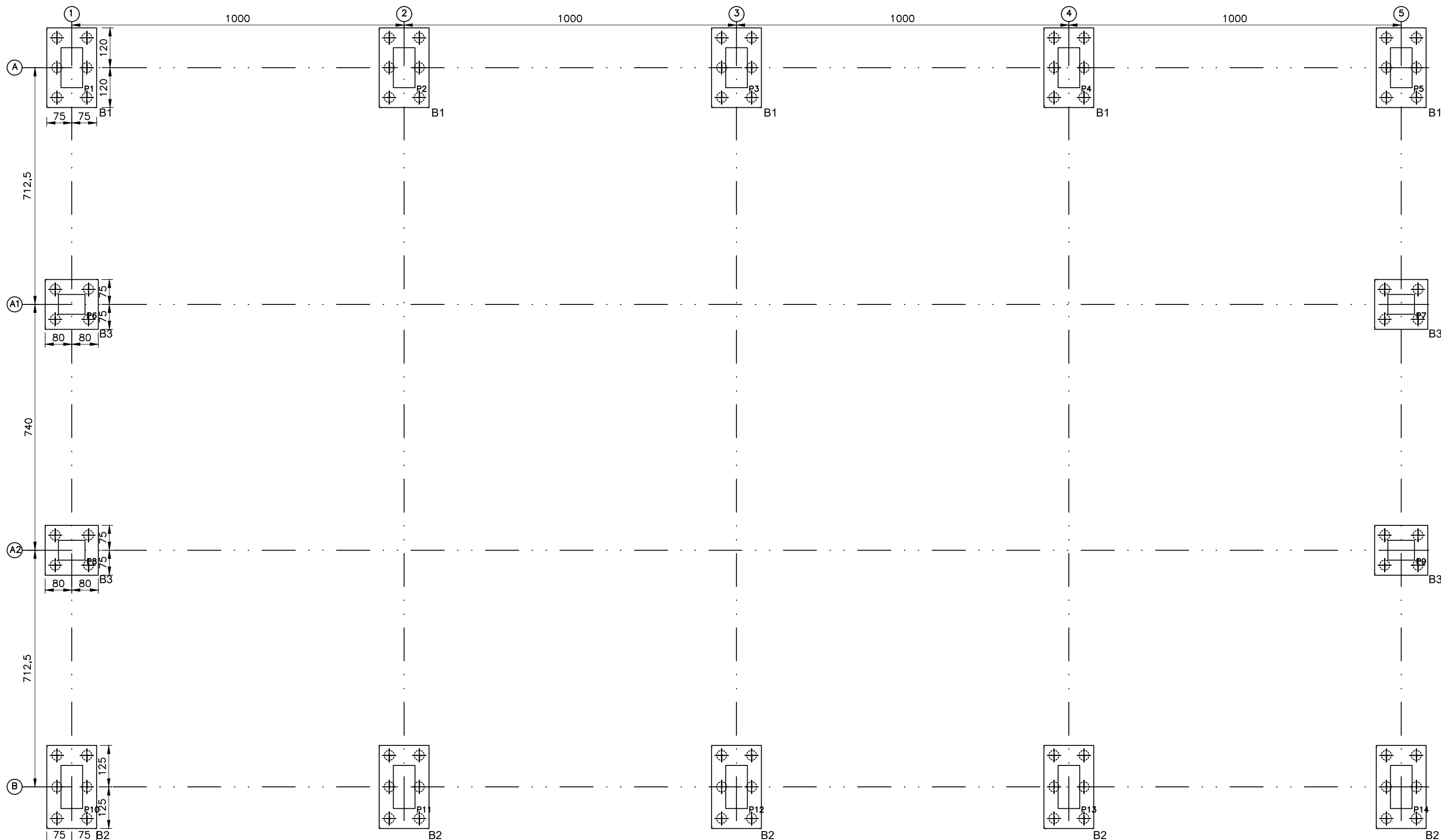
TABELA DE AÇO ESTACAS					
AÇO	POS	BIT	QUANT	COMPRIMENTO	TOTAL
		mm		cm	cm
ES1 - 16X	50A	1	10	80	600
	60A	2	6.3	560	44800
ES2 - 60X	50A	1	10	300	700
	60A	2	6.3	2400	192000

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
50A	6.3	2368	582
50A	10	2580	1592
Peso Total 50A =			2553 kgf

RESUMO DE CONCRETO	
FCK 30 MPA =	37 M³

LOCAÇÃO BLOCOS

ESC: 1:100



Elem	Todas permanentes e acidentais dos pavimentos (Cargas alvenaria)		
	Fz tf	Mx tfm	My tfm
P1	12.83	4.08	7.61
P2	16.30	-4.07	-0.80
P3	15.58	-3.86	-0.00
P4	16.30	-4.07	0.80
P5	12.83	4.08	-7.61
P6	10.90	0.12	-0.54
P7	10.90	0.12	0.54
P8	10.83	-0.13	-0.53
P9	10.83	-0.13	0.53
P10	12.98	-4.05	7.80
P11	16.42	4.79	-0.83
P12	15.73	4.56	0.00
P13	16.42	4.79	0.83
P14	12.98	-4.05	-7.80

- Observações:
- 1 - Os valores apresentados referem-se às reações nos apoios
 - 2 - Esforços com valores característicos
 - 3 - Forças em tf
 - 4 - Momentos em tfm
 - 5 - Sistema de coordenadas GLOBAL
 - 6 - A força X positiva empurra o apoio da esquerda para a direita
 - 7 - O momento X positivo gira o apoio em torno do eixo X no sentido horário
 - 8 - A força Y positiva empurra em planta o apoio de baixo para cima
 - 9 - O momento Y positivo gira o apoio em torno do eixo Y no sentido horário
 - 10 - A força Z positiva empurra o apoio de cima para baixo
 - 11 - O momento Z positivo gira o apoio em torno do eixo Z no sentido horário

NOTAS

- 1 - CONCRETO $f_{ck} = 30.0 \text{ MPa}$
- 2 - TENSÃO ADMISSÍVEL DO SOLO = 1,5 Kg/cm²
- 3 - RECOBRIMENTO MÍNIMO DOS FERROS = 3.0 cm
- 4 - COTAS EM CENTÍMETRO, NÍVEIS EM METRO
- 5 - CONFERIR MEDIDAS NO LOCAL

DESENHOS DE REFERÊNCIA

REV.	FINALIDADE	DESCRICAO	PROJ.	APROV.	DATA
1	P/ APROV.	ATENDENDO COMENTÁRIOS	-	EDG	26/06/26
1	P/ APROV.	REVISÃO GERAL	-	EDG	08/06/26
0	P/ APROV.	EMISSÃO INICIAL	ISA	EDG	14/03/26

CLIENTE:	CONTRATANTE:	PROJETISTA:
		
EDUARDO GUIMARÃES ENG° CIVIL - CREA: 42531 - MG		

OBRA: CENTRO DE PESQUISA - CEFET MG
ST. GEORGE BRASIL LTDA.

ENDEREÇO: Avenida Amazonas, n° 1000
Bairro São Geraldo-Araxá-MG

CONTEÚDO: PROJETO ESTRUTURAL GALPÃO
LOCAÇÃO BLOCOS, ESTACAS E ARMAÇÃO ESTACAS

N° PIRÂMIDE:	N° CLIENTE:	REV.:
SGB-26250-CIV-EX-002	CDP-CV-302-DE	2
DESENHO	FOLHA:	ESCALA:
ISADORA	02/05	INDICADA
UNIDADE:	CONTRATO:	
CM	-	

SOLO (PLANO)
mm = 10000
UNID)
1:5
PAPER SIZE:
A1 EX-004/1018
PLOTING
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