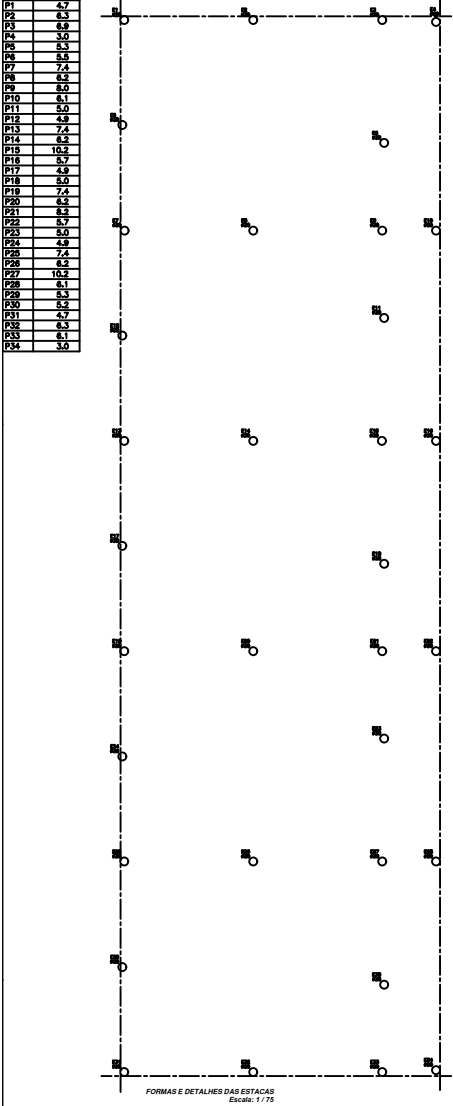
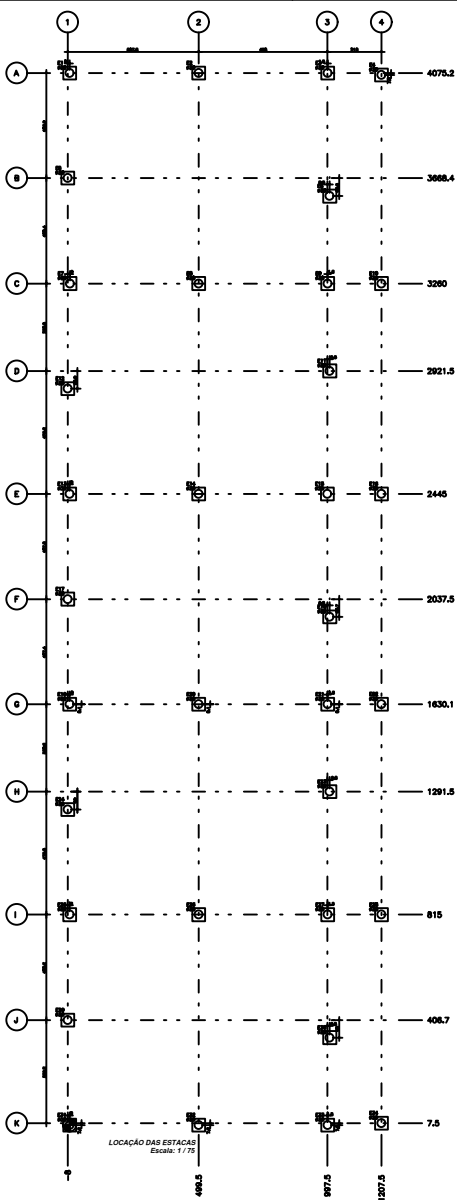


cargas pilares

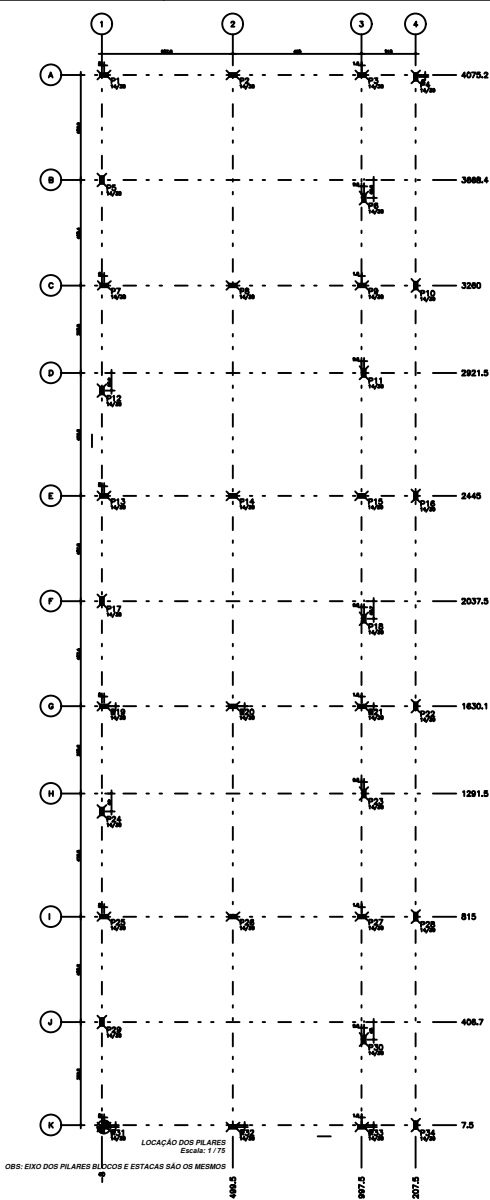
EMM	CARGA
P1	7,0
P2	8,7
P3	8,0
P4	3,0
P5	8,0
P6	8,0
P7	7,4
P8	8,0
P9	8,0
P10	8,1
P11	8,0
P12	8,0
P13	7,4
P14	8,0
P15	10,0
P16	8,7
P17	4,9
P18	8,0
P19	7,4
P20	8,0
P21	8,0
P22	8,0
P23	8,0
P24	4,9
P25	7,4
P26	8,0
P27	10,0
P28	8,0
P29	8,1
P30	8,0
P31	4,7
P32	8,0
P33	8,1
P34	3,0



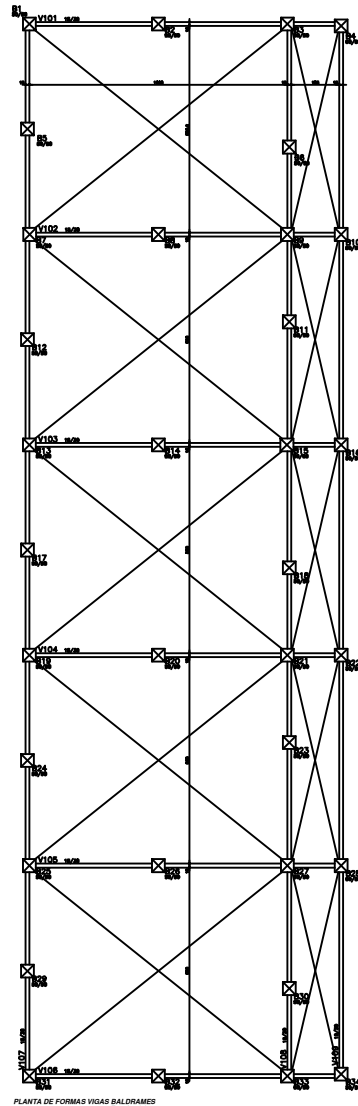
FORMAS E DETALHES DAS ESTACAS
Escala: 1/75



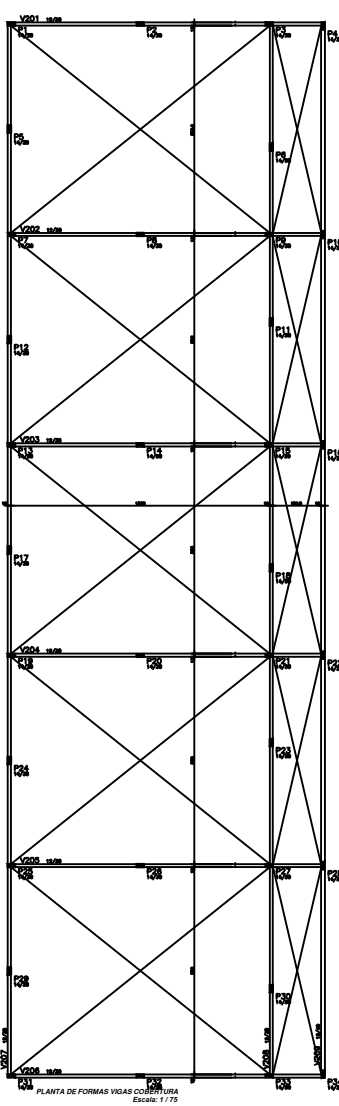
LOCALIZAÇÃO DAS ESTACAS
Escala: 1/75



LOCALIZAÇÃO DOS PILARES
Escala: 1/75



PLANTA DE FORMAS VIGAS BALDRAMES
Escala: 1/75

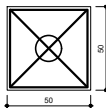


PLANTA DE FORMAS VIGAS COBERTURA
Escala: 1/75

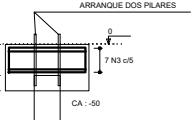
FCK=20MPa- ESTRUTURA E FUNDAÇÃO

DETALHE GENÉRICO DOS BLOCOS

1xC25
PLANTA
ESC 1:25



CORTE
ESC 1:25



7 N3 ø5,0 c/5 C=188

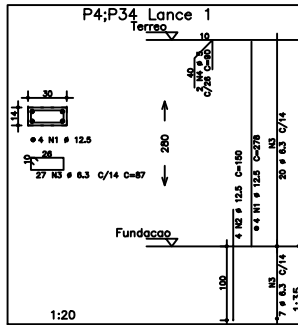
Relação do aço

ACO	N	DIAM (mm)	QUANT (barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	54	320	17280
CA60	2	5,0	216	90	19440
CA60	3	5,0	90	312	28080
CA60	4	5,0	36	270	9720
CA50	5	10,0	612	VAR	VAR

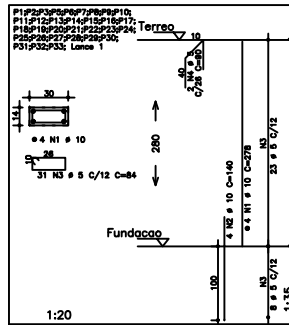
Resumo do aço

ACO	DIAM (mm)	C.TOTAL (cm)	PESO + 10 % (kg)
CA50	10,0	281,6	190,9
CA60	5,0	749,6	127,1
PESO TOTAL (kg)			
CA50			190,9
CA60			127,1

Volume de concreto (C-25) = 8,64 m³
Área de forma = 43,52 m²



DETALHES DOS PILARES



DETALHES DOS PILARES

ACO	POS	BIT (mm)	QUANT	COMPR (m)	UNIT (cm)	TOTAL (cm)
P1:P2:P3:P4:P5:P6:P7:P8:P9:P10:P11:P12:P13:P14:P15:P16:P17:P18:P19:P20:P21:P22:P23:P24:P25:P26:P27:P28:P29:P30:P31:P32:P33:Lance1X32						
SOA	1	10	4	278	1112	
SOA	2	10	4	140	560	
SOA	3	5	31	84	2604	
SOA	4	5	2	80	160	
P4:P34 Lance 1X2						
SOA	1	12,5	4	278	1112	
SOA	2	12,5	4	180	720	
SOA	3	6,3	27	87	2349	
SOA	4	5	2	80	160	

ACO	BIT (mm)	COMPR (m)	PESO (kg)
SOA	6,3	47	143
SOA	10	639	337
SOA	12,5	36	34
Peso total			514
Peso total			514
Peso total			514

DEPARTAMENTO DE ENGENHARIA
PREFEITURA MUNICIPAL DE PONTALINA
RUA JOSÉ HONÓRIO SILVA, PRACA JUSTO MAGALHÃES, CENTRO, PONTALINA-GO
FONE: (64)3471-1000, CEP: 76600-000, CNPJ: 01.701.270/0001-08

PROJETO ESTRUTURAL

OBRAS/EMPRESA: AVENIDA ISRAEL CORREIA DE AZEVEDO COL-3R - ST JANUÁRIA FRED WALTER PONTALINA - GOIÁS
AMPLIAÇÃO ESCOLA MUNICIPAL AYTTON SENNA DA SILVA

CONTEÚDO:
DETALHE PILARES, LOCAÇÃO, FORMAS E DETALHES DAS ESTACAS

PROPRIETÁRIO:
PREFEITURA MUNICIPAL DE PONTALINA
CNPJ: 01.701.270/0001-08

AUTORES DO PROJETO:
RAFAEL ELIAS COSTA
ENG CIVIL, CREIA-GO 101400039-6

PROJETO: 05/2024
REVISÃO: RAFAEL
ESC: 1/75
DATA: maio/2024
PRANCHAS: 01/03