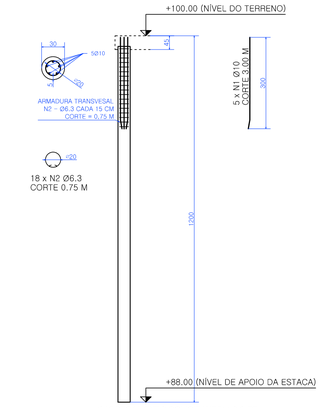
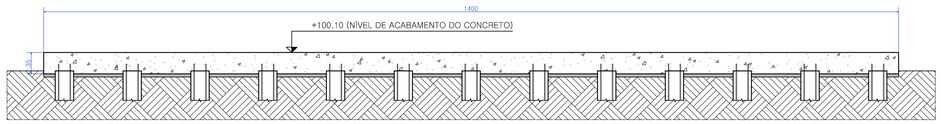


CARREGAMENTO SOLICITANTE: 16.6 TF
CARGA ADMISSIVEL: 17.8 TF

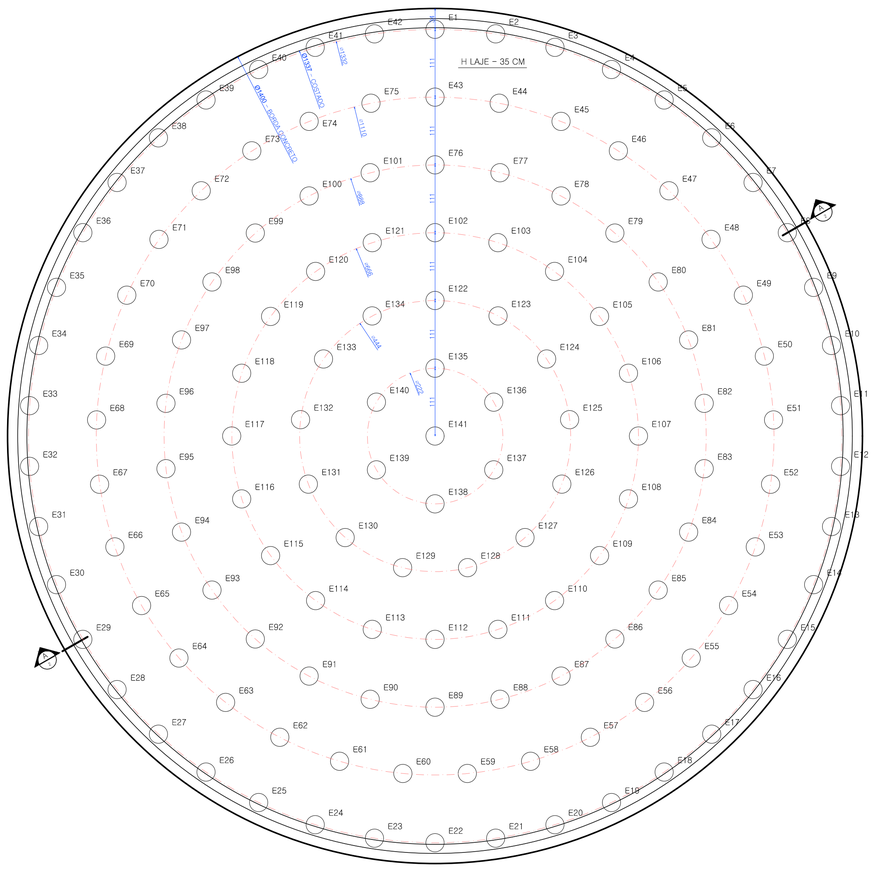
3 DETALHAMENTO DA ESTACA

ESCALA { TRANSVERSAL: 1/20 ; LONGITUDINAL: 1/50 }



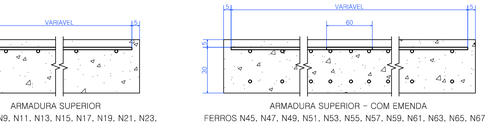
2 CORTE AA

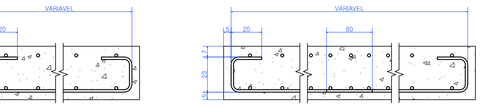
ESCALA 1/50

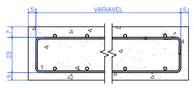


1 FORMAS DE FUNDAÇÃO

ESCALA 1/50

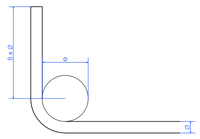


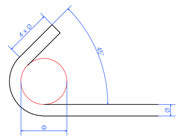


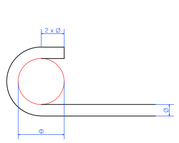


5 BORDA DAS ARMADURAS

ESCALA 1/20



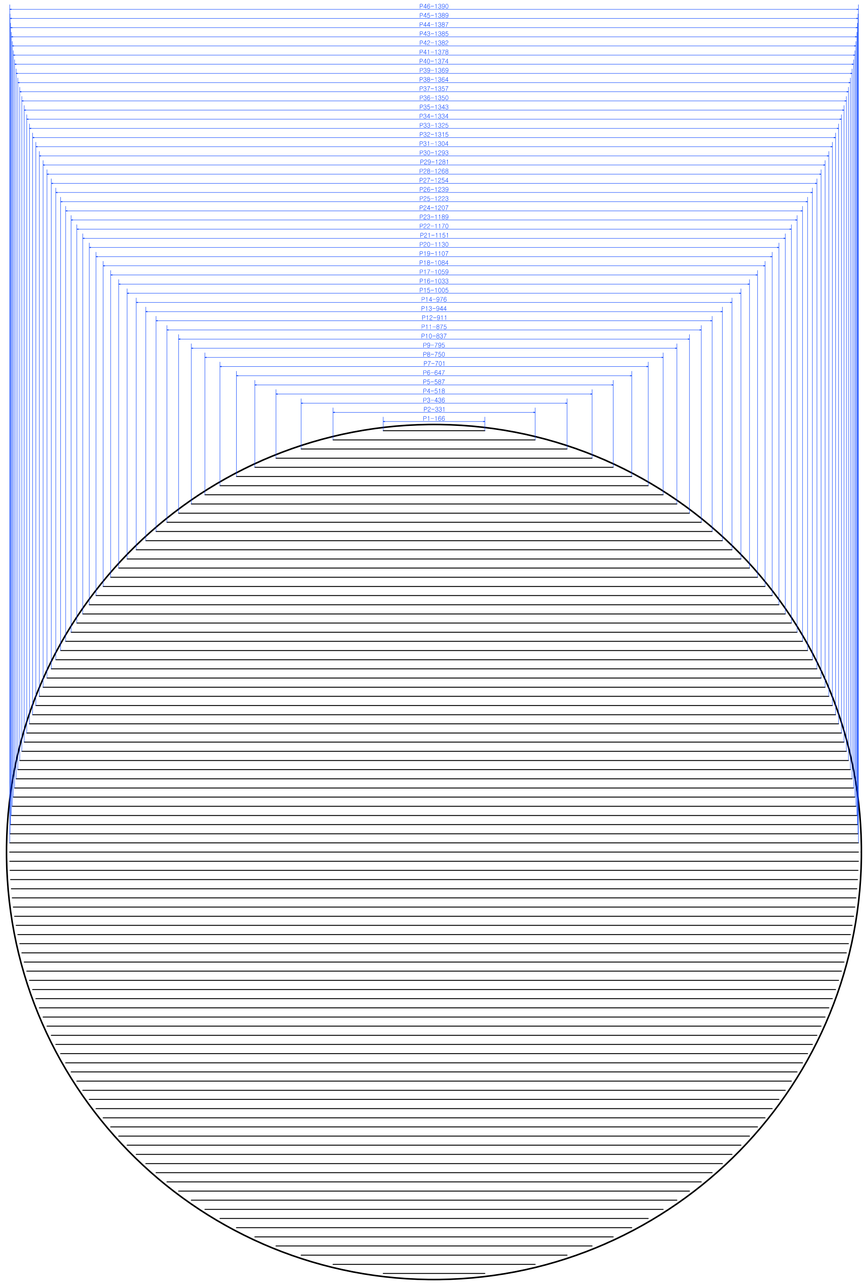




6 GANCHOS DE ANCORAGEM

SEM ESCALA

DIÂMETRO DO PINO DE DOBRAMENTO (MM)		
CA-50	Ø6.3	31.5
	Ø8.0	40.0
	Ø10.0	50.0
	Ø12.5	62.5
	Ø16.0	80.0
CA-60	Ø4.2	25.2
	Ø5.0	30.0



4 GABARITO DAS ARMADURAS

ESCALA 1/50

Pesça	Comprimento	Ferro	Diâmetro	Trecho 1	Trecho 2	Trecho 3	Trecho 4	Trecho 5	Total	Quantidade	Uso
	m		mm	m	m	m	m	m	m		
		N1	10	3.00					3.00	305	Longitudinal
		N2	6.3	0.75					0.75	2135	Estribo
P1	1.66	N3	10	1.66	0.25	1.66	0.25	0.80	4.12	4	Transversal - Estaca
P2	3.31	N4	10	3.31	0.25	1.55	0.25	0.80	7.42	4	Armadura inteira
P3	4.36	N5	10	4.36	0.25	4.36	0.25	0.80	9.52	4	Armadura inteira
P4	5.38	N6	10	5.28	0.25	5.28	0.25	0.80	13.16	4	Armadura inteira
P5	5.87	N7	10	5.87					5.87	4	Armadura superior
		N8	10	0.20	0.25	5.87	0.25	0.20	6.77	4	Armadura inferior
P6	6.47	N9	10	6.47					6.47	4	Armadura superior
		N10	10	0.20	0.25	6.47	0.25	0.20	7.37	4	Armadura inferior
P7	7.05	N11	10	7.05					7.05	4	Armadura superior
		N12	10	0.20	0.25	7.05	0.25	0.20	7.95	4	Armadura inferior
P8	7.50	N13	10	7.50					7.50	4	Armadura superior
		N14	10	0.20	0.25	7.50	0.25	0.20	8.40	4	Armadura inferior
P9	7.95	N15	10	7.95					7.95	4	Armadura superior
		N16	10	0.20	0.25	7.95	0.25	0.20	8.85	4	Armadura inferior
P10	8.37	N17	10	8.37					8.37	4	Armadura superior
		N18	10	0.20	0.25	8.37	0.25	0.20	9.27	4	Armadura inferior
P11	8.75	N19	10	8.75					8.75	4	Armadura superior
		N20	10	0.20	0.25	8.75	0.25	0.20	9.65	4	Armadura inferior
P12	9.11	N21	10	9.11					9.11	4	Armadura superior
		N22	10	0.20	0.25	9.11	0.25	0.20	10.01	4	Armadura inferior
P13	9.44	N23	10	9.44					9.44	4	Armadura superior
		N24	10	0.20	0.25	9.44	0.25	0.20	10.34	4	Armadura inferior
P14	9.76	N25	10	9.76					9.76	4	Armadura superior
		N26	10	0.20	0.25	9.76	0.25	0.20	10.66	4	Armadura inferior
P15	10.05	N27	10	10.05					10.05	4	Armadura superior
		N28	10	0.20	0.25	10.05	0.25	0.20	10.95	4	Armadura inferior
P16	10.33	N29	10	10.33					10.33	4	Armadura superior
		N30	10	0.20	0.25	10.33	0.25	0.20	11.23	4	Armadura inferior
P17	10.59	N31	10	10.59					10.59	4	Armadura superior
		N32	10	0.20	0.25	10.59	0.25	0.20	11.49	4	Armadura inferior
P18	10.84	N33	10	10.84					10.84	4	Armadura superior
		N34	10	0.20	0.25	10.84	0.25	0.20	11.74	4	Armadura inferior
P19	11.07	N35	10	11.07					11.07	4	Armadura superior
		N36	10	0.20	0.25	11.07	0.25	0.20	11.97	4	Armadura inferior
P20	11.30	N37	10	11.30					11.30	4	Armadura superior
		N38	10	0.20	0.25	5.95			6.40	8	Armadura inferior
P21	11.51	N39	10	11.51					11.51	4	Armadura superior
		N40	10	0.20	0.25	6.06			6.51	8	Armadura inferior
P22	11.70	N41	10	11.70					11.70	4	Armadura superior
		N42	10	0.20	0.25	6.15			6.60	8	Armadura inferior
P23	11.89	N43	10	11.89					11.89	4	Armadura superior
		N44	10	0.20	0.25	6.25			6.70	8	Armadura inferior
P24	12.07	N45	10	6.34					6.34	8	Armadura superior
		N46	10	0.20	0.25	6.34			6.79	8	Armadura inferior
P25	12.23	N47	10	6.42					6.42	8	Armadura superior
		N48	10	0.20	0.25	6.42			6.87	8	Armadura inferior
P26	12.39	N49	10	6.50					6.50	8	Armadura superior
		N50	10	0.20	0.25	6.50			6.95	8	Armadura inferior
P27	12.54	N51	10	6.57					6.57	8	Armadura superior
		N52	10	0.20	0.25	6.57			7.02	8	Armadura inferior
P28	12.68	N53	10	6.64					6.64	8	Armadura superior
		N54	10	0.20	0.25	6.64			7.09	8	Armadura inferior
P29	12.81	N55	10	6.71					6.71	8	Armadura superior
		N56	10	0.20	0.25	6.71			7.16	8	Armadura inferior
P30	12.93	N57	10	6.77					6.77	8	Armadura superior
		N58	10	0.20	0.25	6.77			7.22	8	Armadura inferior
P31	13.04	N59	10	6.82					6.82	8	Armadura superior
		N60	10	0.20	0.25	6.82			7.27	8	Armadura inferior
P32	13.15	N61	10	6.88					6.88	8	Armadura superior
		N62	10	0.20	0.25	6.88			7.33	8	Armadura inferior
P33	13.25	N63	10	6.93					6.93	8	Armadura superior
		N64	10	0.20	0.25	6.93			7.38	8	Armadura inferior
P34	13.34	N65	10	6.97					6.97	8	Armadura superior
		N66	10	0.20	0.25	6.97			7.42	8	Armadura inferior
P35	13.43	N67	10	7.02					7.02	8	Armadura superior
		N68	10	0.20	0.25	7.02			7.47	8	Armadura inferior
P36	13.50	N69	10	7.05					7.05	8	Armadura superior
		N70	10	0.20	0.25	7.05			7.50	8	Armadura inferior
P37	13.57	N71	10	7.09					7.09	8	Armadura superior
		N72	10	0.20	0.25	7.09			7.54	8	Armadura inferior
P38	13.64	N73	10	7.12					7.12	8	Armadura superior
		N74	10	0.20	0.25	7.12			7.57	8	Armadura inferior
P39	13.69	N75	10	7.15					7.15	8	Armadura superior
		N76	10	0.20	0.25	7.15			7.60	8	Armadura inferior
P40	13.74	N77	10	7.17					7.17	8	Armadura superior
		N78	10	0.20	0.25	7.17			7.62	8	Armadura inferior
P41	13.78	N79	10	7.19					7.19	8	Armadura superior
		N80	10	0.20	0.25	7.19			7.64	8	Armadura inferior
P42	13.82	N81	10	7.21					7.21	8	Armadura superior
		N82	10	0.20	0.25	7.21			7.66	8	Armadura inferior
P43	13.85	N83	10	7.23					7.23	8	Armadura superior
		N84	10	0.20	0.25	7.23			7.68	8	Armadura inferior
P44	13.87	N85	10	7.24					7.24	8	Armadura superior
		N86	10	0.20	0.25	7.24			7.69	8	Armadura inferior
P45	13.89	N87	10	7.25					7.25	8	Armadura superior
		N88	10	0.20	0.25	7.25			7.70	8	Armadura inferior
P46	13.9	N89	10	7.25					7.25	12	Armadura superior
		N90	10	0.20	0.25	7.25			7.70	12	Armadura inferior

NOTAS:
1 - MEDIDAS EM CENTIMETRO, SALVO INDICAÇÃO CONTRARIA. DIÂMETRO DAS BARRAS DE AÇO EM MILIMETROS.

RESUMO DE AÇO

DIÂMETRO	METROS	PESO
Ø 6.3	1903.50	466.4
Ø10.0	6451.84	3980.8
TOTAL		4447.2

RESUMO DE CONCRETO

CLASSE	VOLUME (M2)
C25	53.9
C25 (ESTACA)	118.5
MAGRO	7.8

CARACTERISTICAS DO CONCRETO

RESISTENCIA CARACTERISTICA	25 MPA
SLUMP	80 MM
MODULO DE ELASTICIDADE	25 GPA
AGREGADO GRAUDO	BRITA 1 (BASALTO)
FATOR A/C	0,61
CLASSE DE AGRESSIVIDADE AMBIENTAL:	FRACA
COBERTURA MINIMA DAS ARMADURAS:	25 MM
(30 MM SE EM CONTATO COM O SOLO)	

DESENHO LIBERADO PARA:
- ☐ APROVAÇÃO
- ☐ DOCUMENTAÇÃO
- ■ EXECUÇÃO
- ☐ FISCALIZAÇÃO
- ☐ RASCUNHO

REVISÃO	DATA	AUTOR	DESCRIÇÃO
1	01/12/2022	TIAGO TEIXEIRA	PROJETO PARA EXECUÇÃO
0	11/11/2022	TIAGO TEIXEIRA	PROJETO PARA APROVAÇÃO

REVISÕES

PROJETO DE FUNDAÇÕES

OBJETO: FUNDAÇÃO PARA RESERVATÓRIO DE AÇO APOIADO COM CAPACIDADE DE 2000 M³.

ENDEREÇO: RUA JOAQUIM ANTÔNIO DE MELO, 11 - CENTRO - ARAGUARI - MG

PROJETO
TIAGO SAMUEL TEIXEIRA
ENGENHEIRO CIVIL
CREA-MG: 149.357/D

EXECUÇÃO

PROPRIETÁRIO
SUPERINT. DE ÁGUA E ESGOTO
SUPERINTENDENCIA DE ÁGUA E ESGOTO
ARAGUARI - MG

ART - PROJETO	DATA	FORMATO	FOLHA
MG 20221658718	01/12/2022	A1	01/01