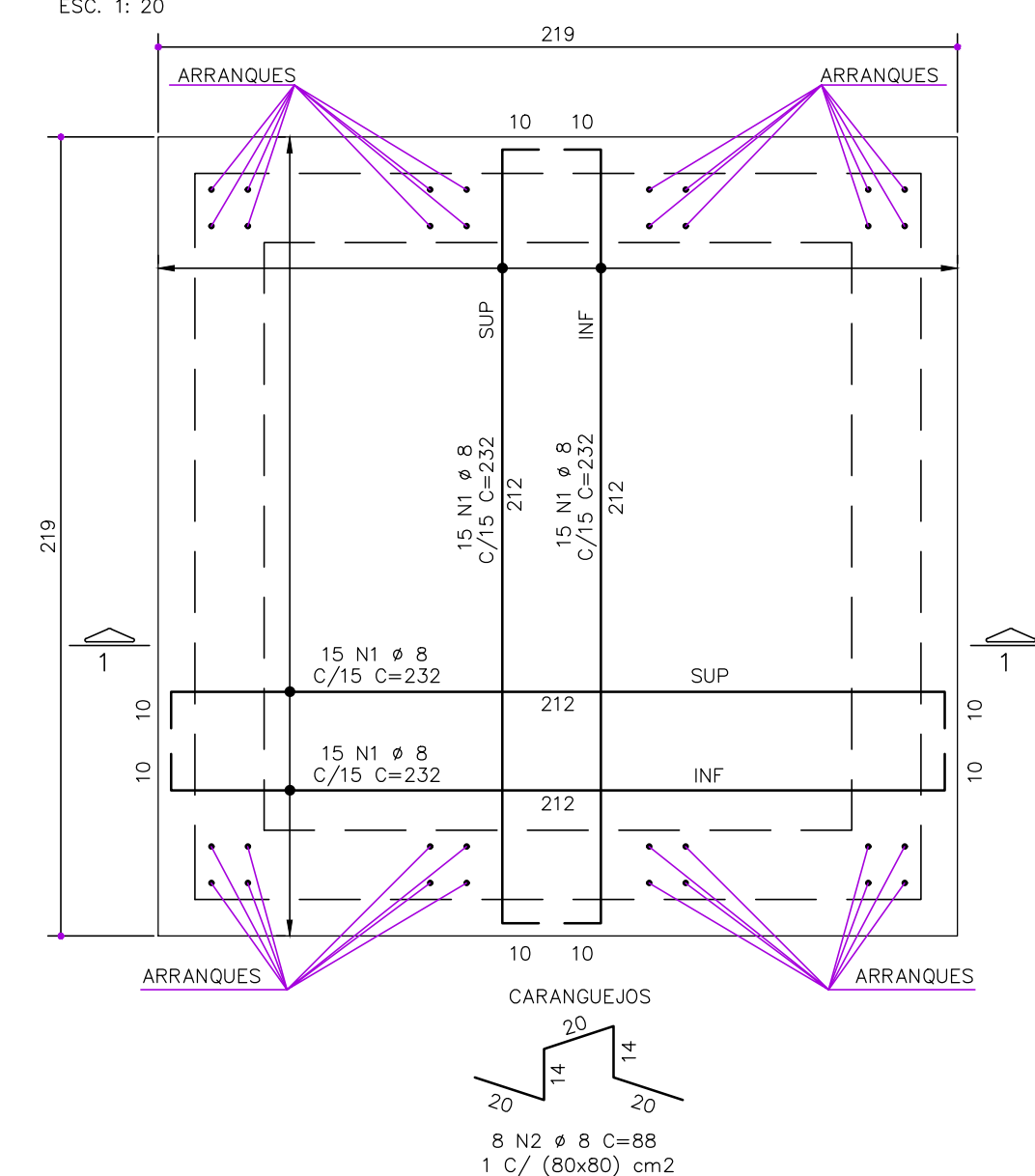
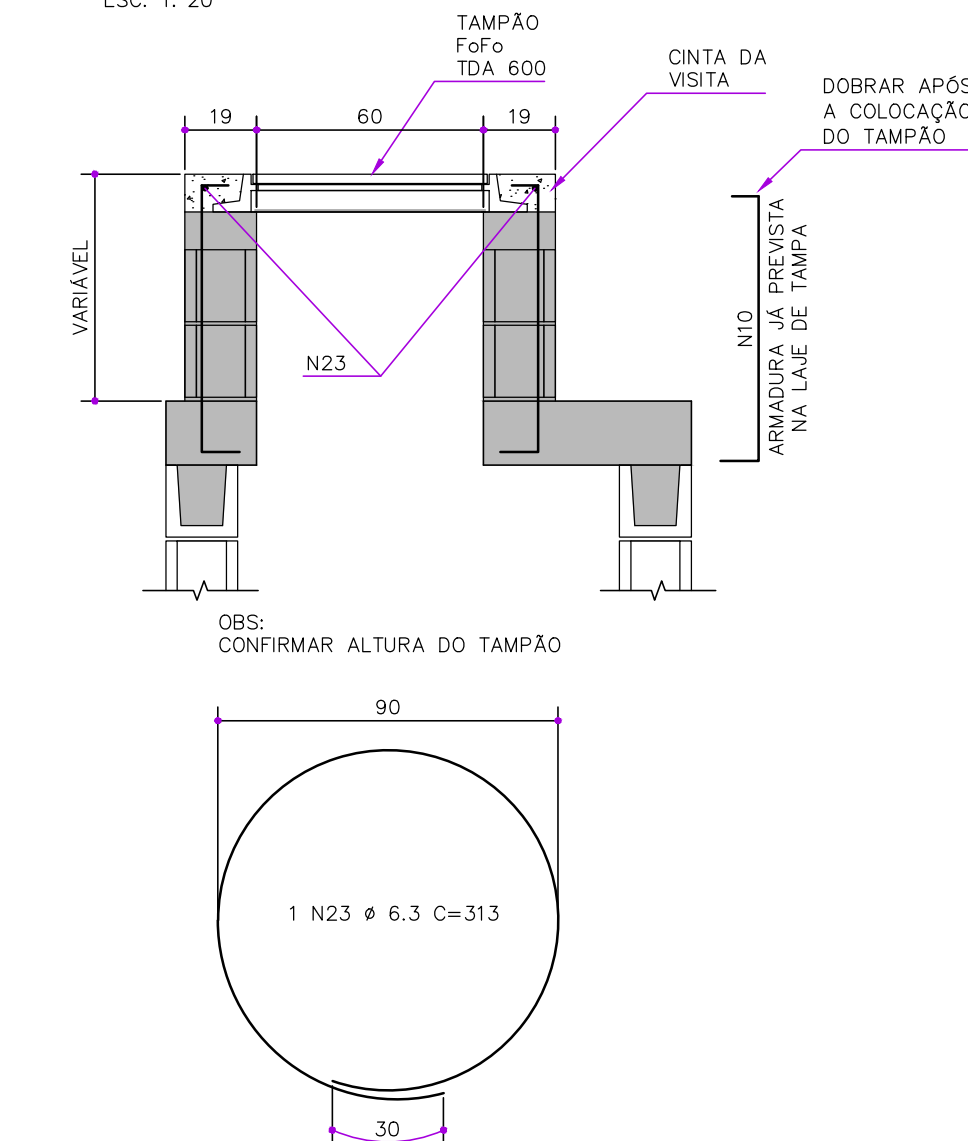
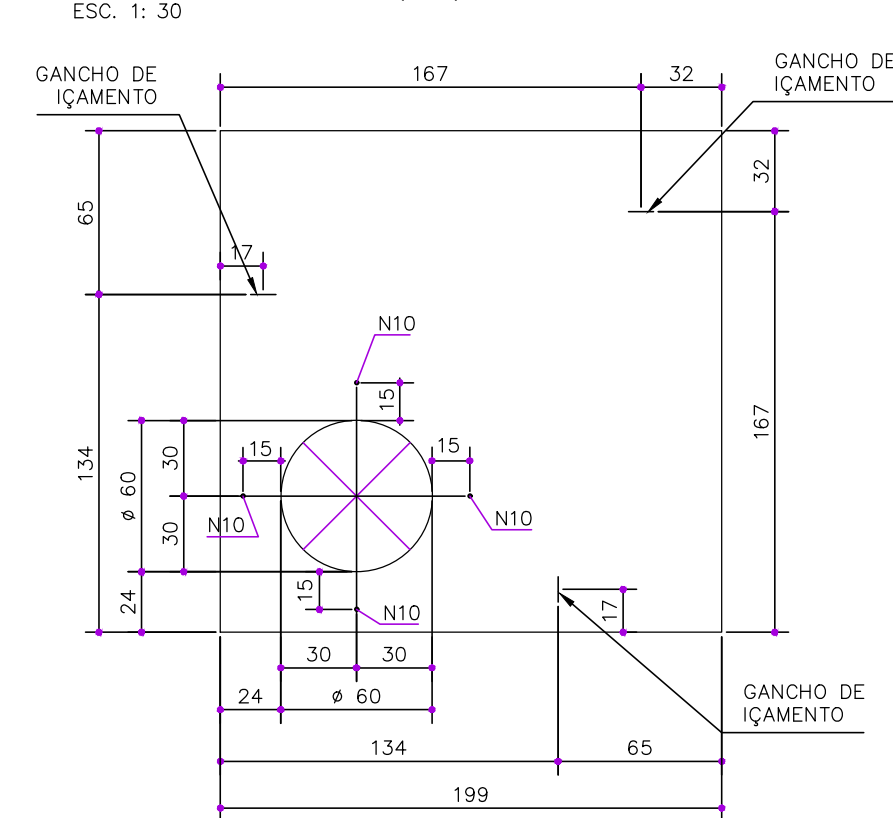
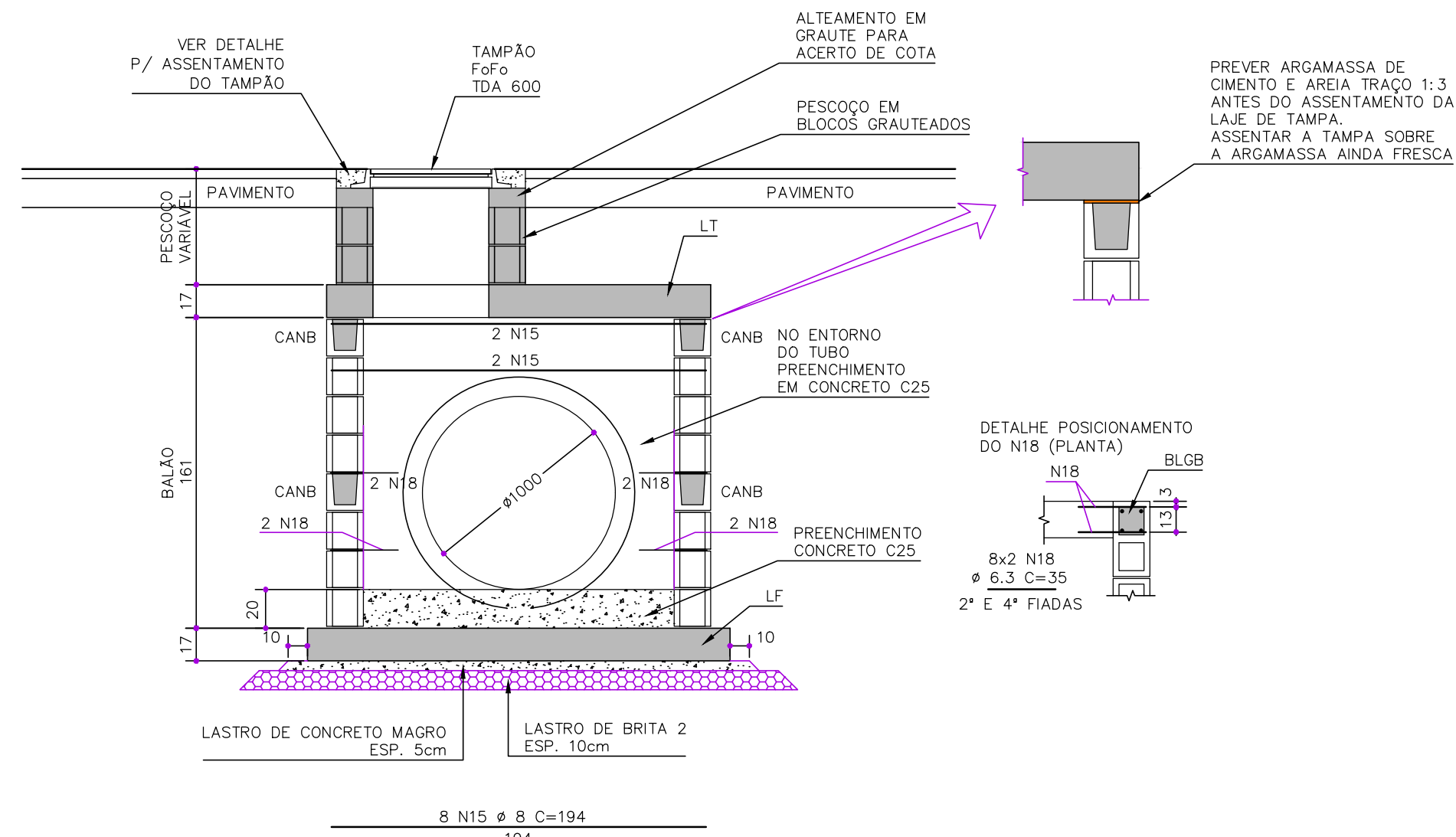
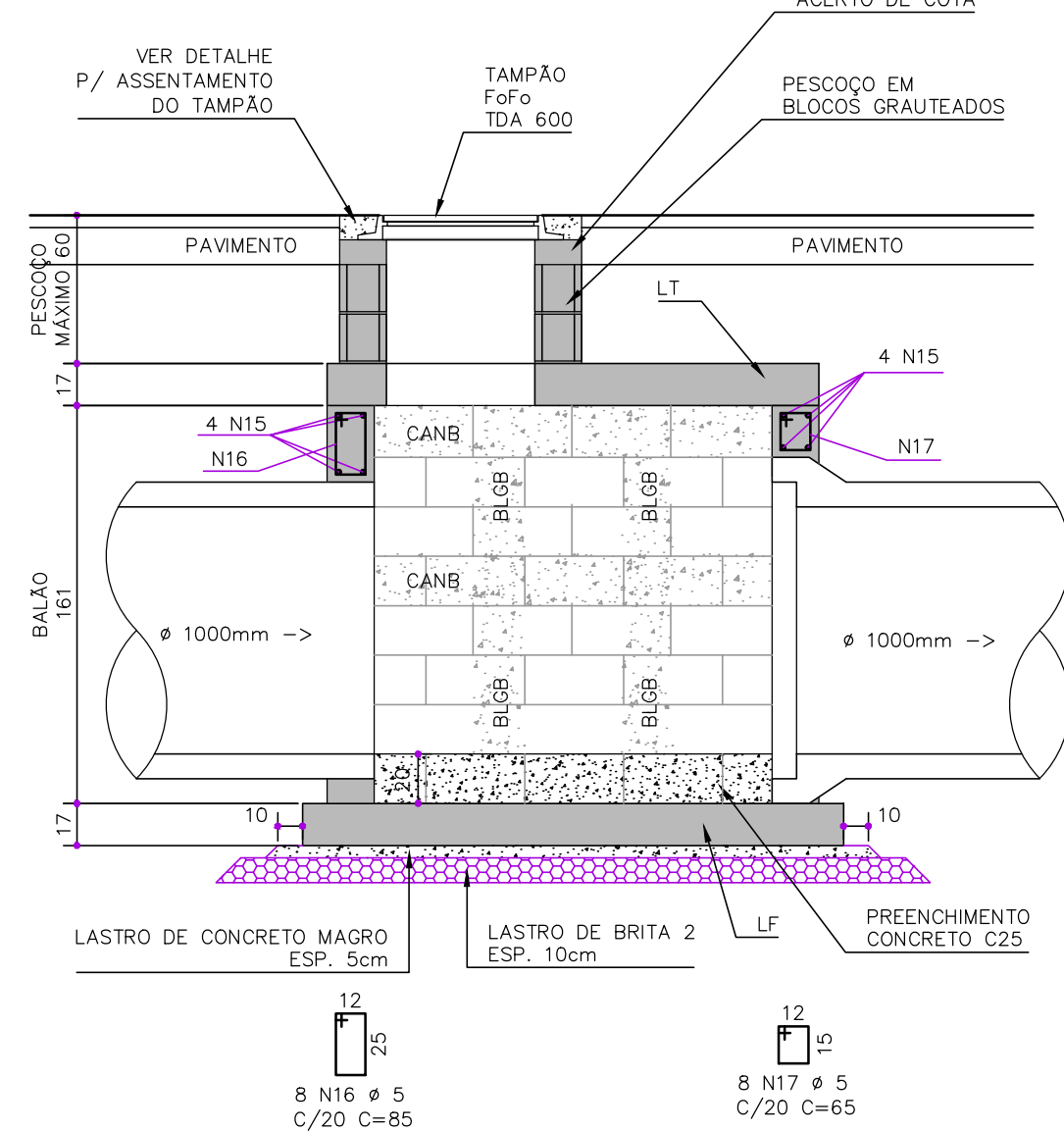
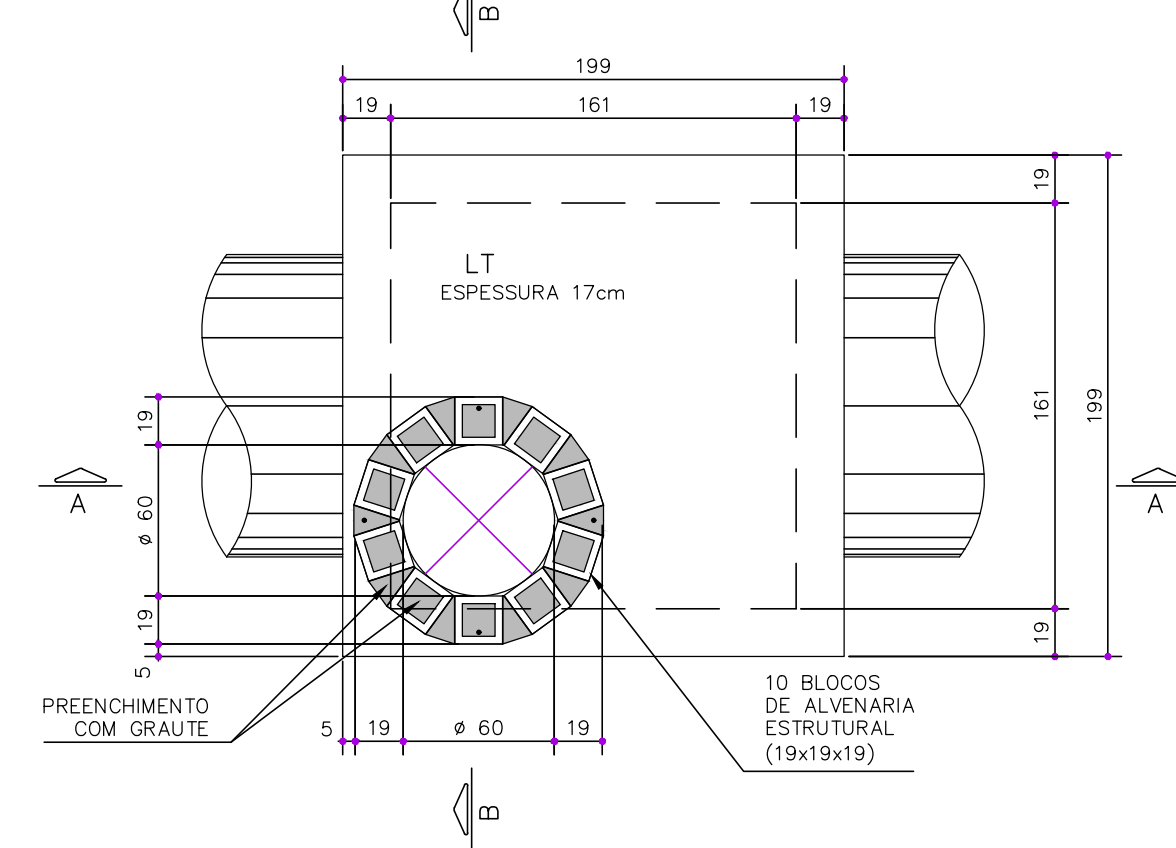
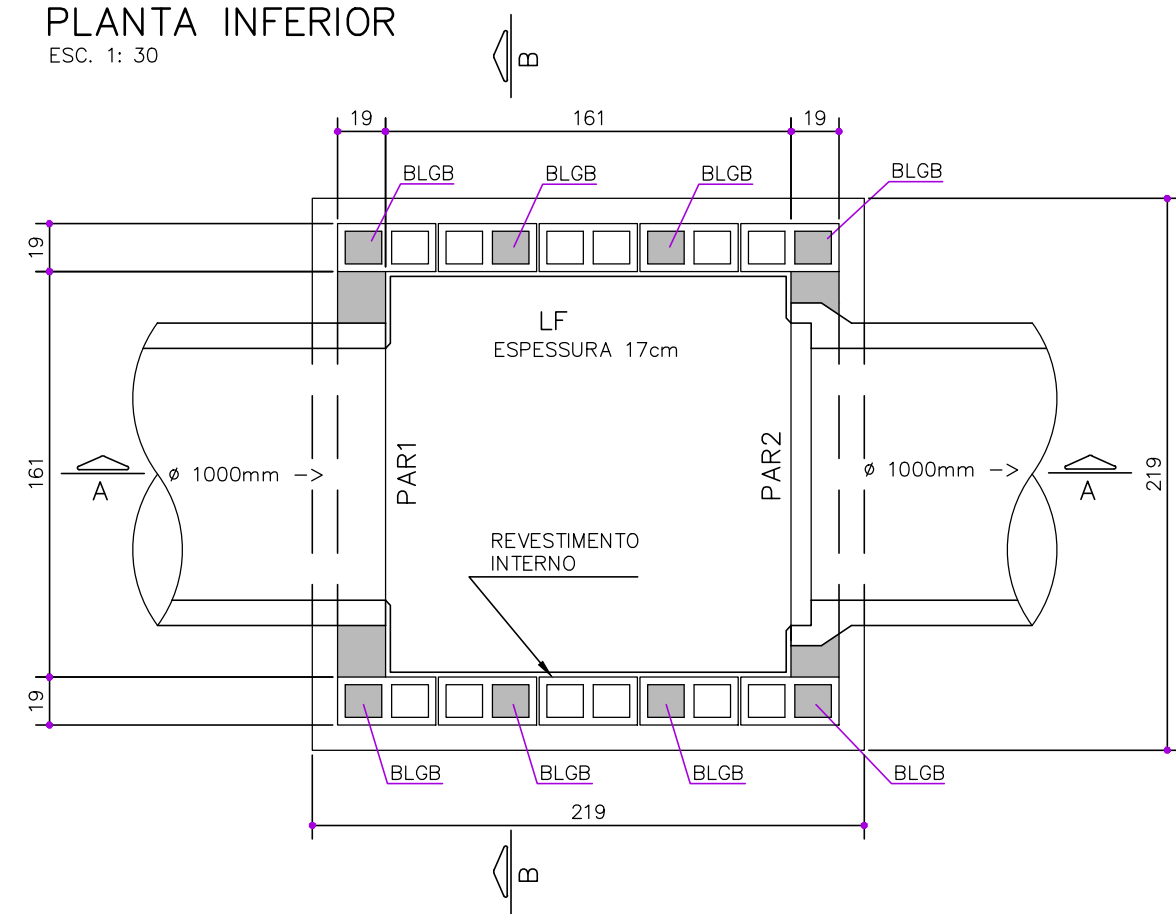


PLANTA INFERIOR
ESC. 1: 30



OBS:
POSICIONAR OS ARRANQUES PARA OS BLOCOS
GRAUTEADOS BLGB

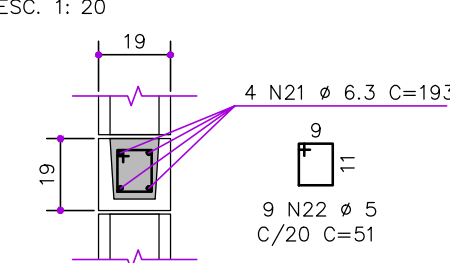
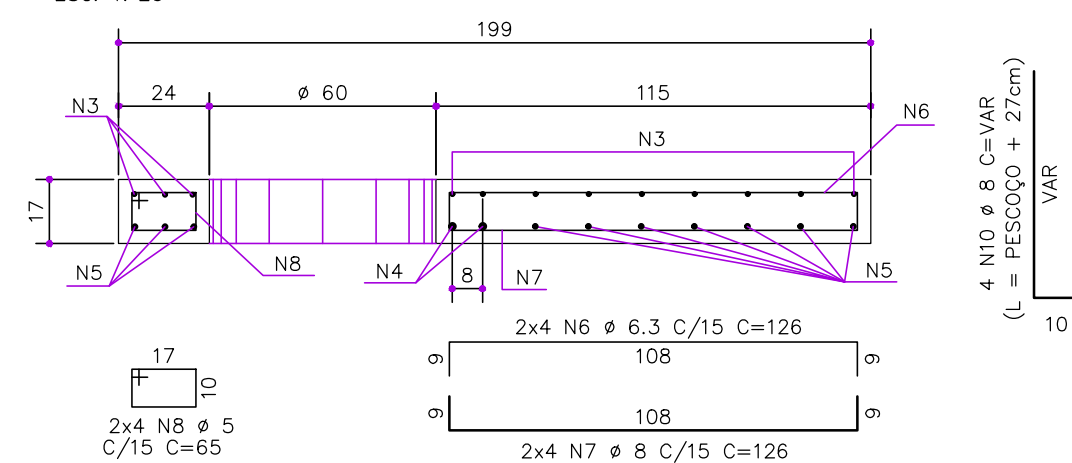
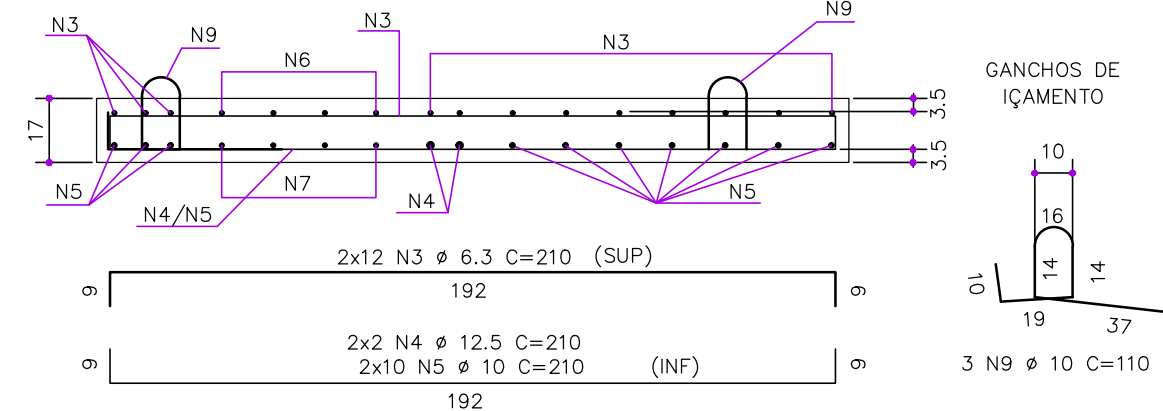
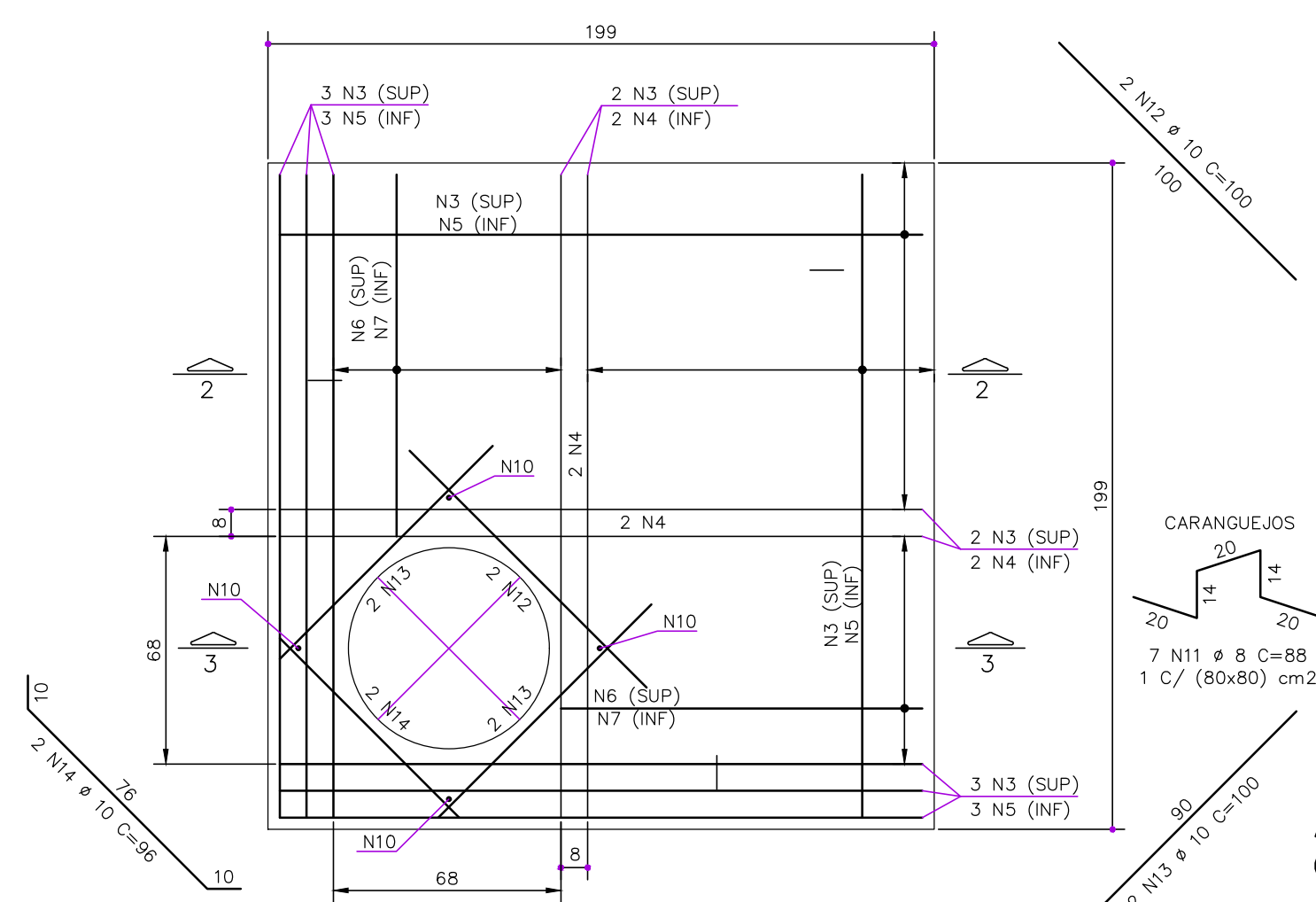
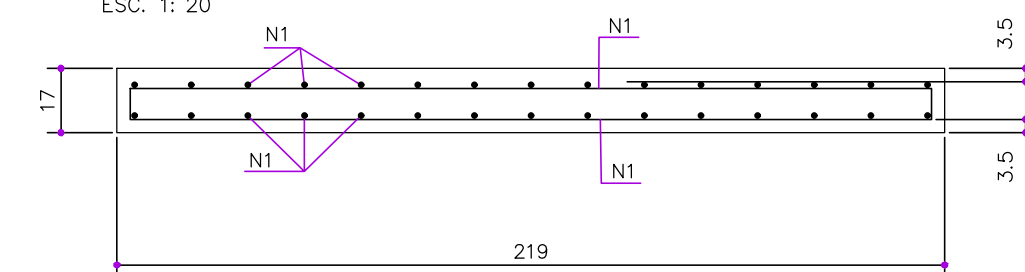


TABELA DE AÇO					
ELEMENTO	N	Ø	QUANT.	COMP. UNIT.	COMP. TOTAL
PV53	1	8	60	232	13920
	2	8	8	88	704
	3	6,3	24	210	5040
	4	12,5	4	210	840
	5	10	20	210	4200
	6	6,3	8	126	1008
	7	8	8	126	1008
	8	5	8	65	520
	9	10	3	110	330
	10	8	4	VAR	3600
	11	8	7	88	616
	12	10	2	100	200
	13	10	4	100	400
	14	10	2	96	192
	15	8	8	194	1552
	16	5	8	85	680
	17	5	8	65	520
	18	6,3	16	35	560
	19	8	32	72	2304
	20	8	32	158	5056
	21	6,3	16	193	3088
	22	5	36	51	1836
	23	6,3	1	313	31

RESUMO DO AÇO CA50		
Ø	COMP. TOTAL	PESO kgf.
6.3	174.16	43
8	459.84	182
10	104.40	64
TOTAL		289 kg

RESUMO DO AÇO CA60		
Ø	COMP. TOTAL	PESO kgf.
5	59.14	9
TOTAL		9 kg

BITOLA (mm)	TIPO DO AÇO		
	CA-25	CA-50	CA-60
< 20	4 Ø	5 Ø	6 Ø
>= 20	5 Ø	8 Ø	--

BITOLA (mm)	TIPO DO AÇO		
	CA-25	CA-50	CA-60
<= 10	3 Øt	3 Øt	3 Øt
10 < Ø < 20	4 Øt	5 Øt	--
>= 20	5 Øt	8 Øt	--

ϕ_t = DIÂMETRO DO ESTRIBO

- 1- CONCRETO PARA LASTRO, C10 fck = 10MPa, FATOR A/C <= 0,60
CONSUMO MINIMO DE CIMENTO DE 250 kgf/m³
- 2- CONCRETO ESTRUTURAL C25 fck = 25MPa, FATOR A/C <= 0,55
CONSUMO MINIMO DE CIMENTO DE 330 kgf/m³
- 3- AÇO CA-50 fyk>=500MPa
- 4- COBRIMENTO DA ARMADURA: 3,5cm

0	EMIÇÃO INICIAL	20/05/2020
REVISÃO	MODIFICAÇÃO	DATA



ZACARIN
ENGENHARIA DE FUNDAÇÕES

CLIENTE	RUMO LOGÍSTICA S/A	DATA	MAI/2020	FOLHA
OBRA	SISTEMA DE DRENAGEM DE ÁGUAS PLUVIAIS	ESCALA	INDICADA	
LOCAL	ESTAÇÃO FERROVIÁRIA SÃO CARLOS – KM 205	DESENHO	ENG. BRUNO	
ASSUNTO	PROJETO EXECUTIVO DETALHES DAS CAIXAS 5 e 6	REVISÃO/DATA	0-20/05/2020	
			VISTO RESP. TEC.	11