

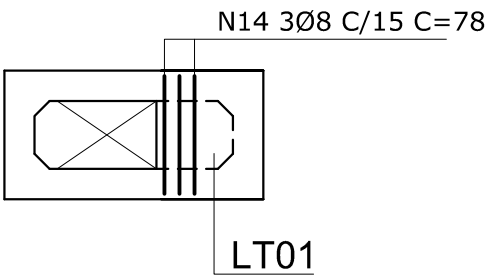
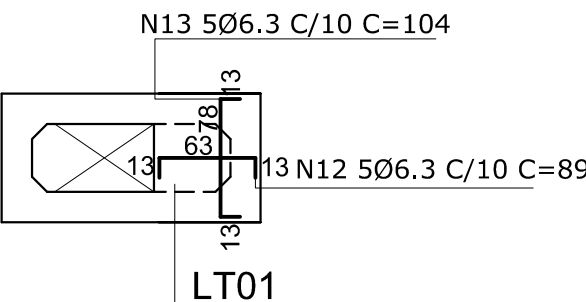
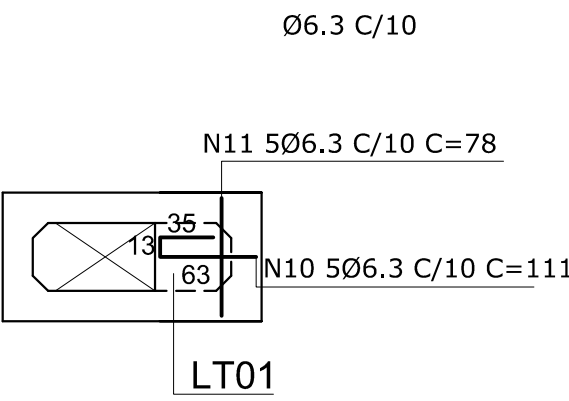
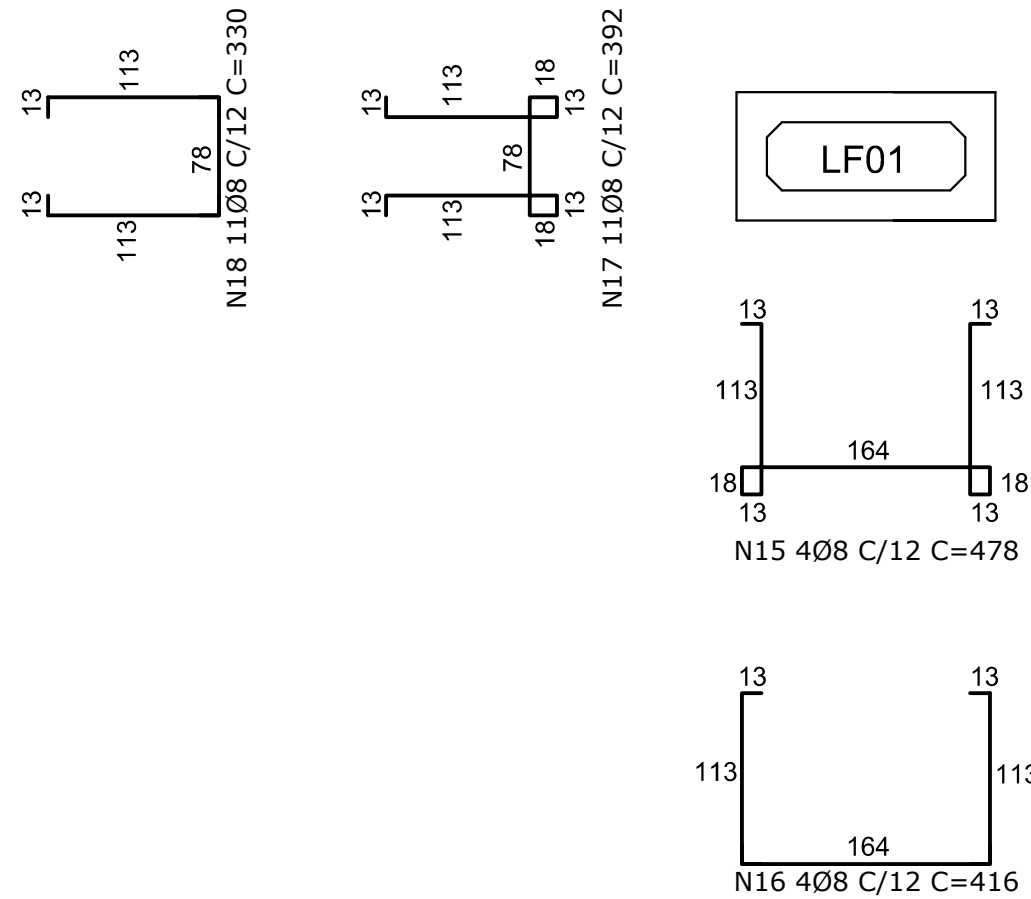
ARMAÇÃO DAS LAJES DO RESERVATÓRIO DE ESGOTO

POSITIVA/NEGATIVA (FUNDO)

POSITIVA (TAMPA)

NEGATIVA (TAMPA)

REFORÇO (TAMPA)

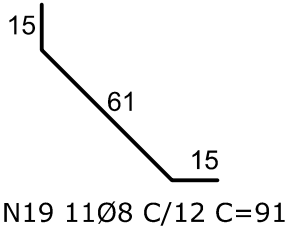
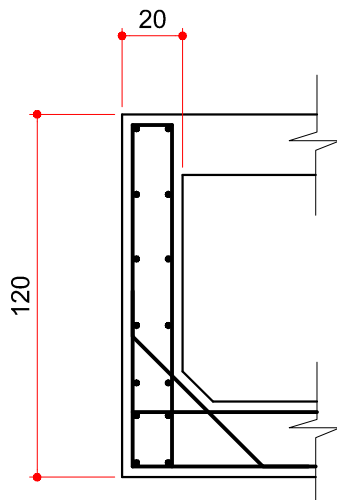
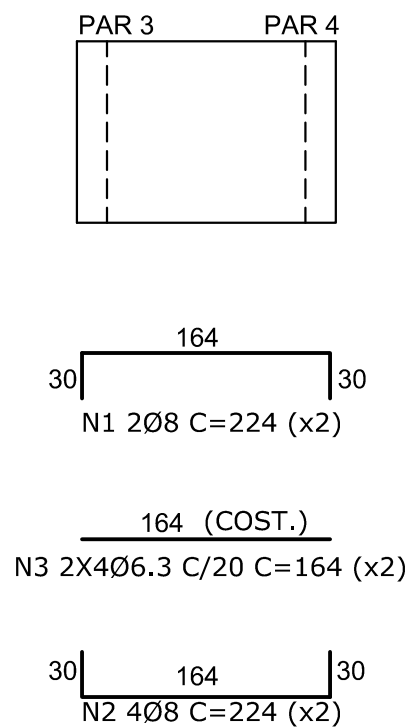


N	Ø	Quant.	C(cm)	T(m)
1	8	4	224	8.96
2	8	8	224	17.92
3	6.3	16	164	26.24
4	8	4	138	5.52
5	8	8	138	11.04
6	6.3	16	78	12.48
7	6.3	16	146	23.36
8	6.3	16	172	27.52
9	6.3	16	93	14.88
10	6.3	5	111	5.55
11	6.3	5	78	3.9
12	6.3	5	89	4.45
13	6.3	5	104	5.2
14	8	3	78	2.34
15	8	4	478	19.12
16	8	4	416	16.64
17	8	11	392	43.12
18	8	11	330	36.3
19	8	11	91	10.01
20	8	4	91	3.64

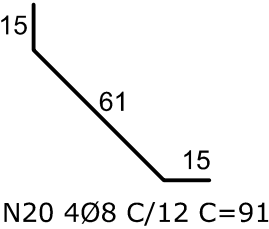
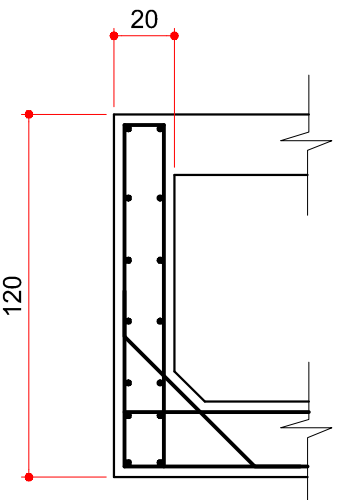
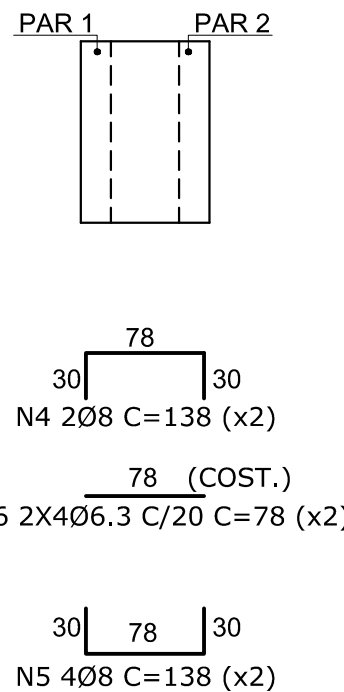
QUADRO DE RESUMO			
AÇO	Ø	Total(metros)	Peso(kg)
CA50	6.3	124.82	30.58
CA50	8.0	176.36	69.48
Peso total =			100.06

Voluma de concreto (C35) = 1.26 m³  
Área de forma = 9.70 m²

PAR 1/PAR 2 20/120 (x2)

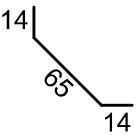
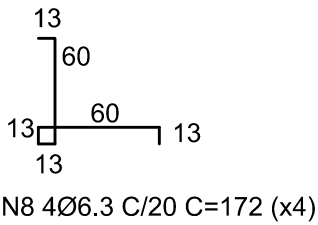
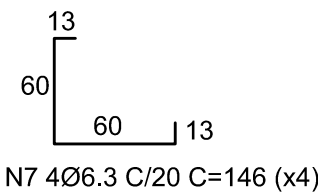
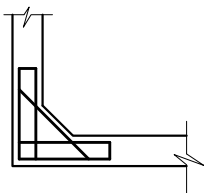


PAR 3/PAR 4 20/120 (x2)



ARMAÇÃO DAS CANTONEIRAS

LIGAÇÃO PAREDE LATERAL COM PAREDE LATERAL (4X)



N9 406.3 C/20 C=93 (x4)

00	EMIÇÃO INICIAL	13/06/2016
Nº	REVISÃO	DATA

<b>ESTEL ENGENHARIA</b> <small>Rua José Quirino, 147 - São João - CEP 88305-060 - Itajaí-SC Tel: (047) 3046-2001 Fax: (047) 3046-2004 estel@estelengenharia.com.br - www.estelengenharia.com.br</small>		PROJETO Nº <b>1280/16</b>
		PROJETO <b>ESTRUTURAL</b>
 <b>MUNICÍPIO DE PARANAGUÁ</b>		PROJETO <b>PRÉDIO ADM. DA PREFEITURA DE PARANAGUÁ</b>
		CONTEÚDO <b>ARMAÇÃO DO RESERVATÓRIO DE ESGOTO</b>
PRANCHA Nº <b>75/75</b>	RESPONSÁVEL TÉCNICO <b>SÉRGIO LUIZ DO AMARAL LOZOVEY</b> CREA/SC 13708-D	PROPRIETÁRIO <b>PREFEITURA DE PARANAGUÁ</b> UNIDADE DE GERENCIAMENTO DE PROGRAMAS
AUTOR DO PROJETO <b>SÉRGIO LOZOVEY</b>	CAD <b>ARLINE DEPINÉ</b>	DATA <b>03/2016</b>
VERIFICAÇÃO <b>RENATO REIS</b>	ESCALA <b>1:50</b>	ARQUIVO <b>1280-EST-75-R0</b>
ÁREA <b>1.850,00 m²</b>	CONTROLE DE PROJETOS PROJETO DEFINITIVO ( X ) PROJETO NÃO DEFINITIVO ( )	