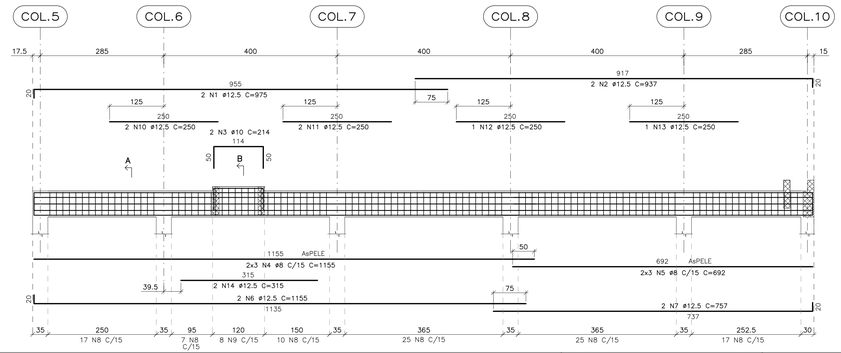
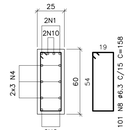
ARMADURA VIGA 1 (1x)

LER NOTA 4
Esc: 1:50



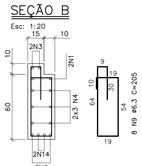
SEÇÃO A

Esc: 1:20



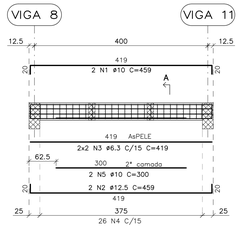
SEÇÃO B

Esc: 1:20



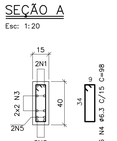
ARMADURA VIGA 2=VIGA 3 (2x)

Esc: 1:50



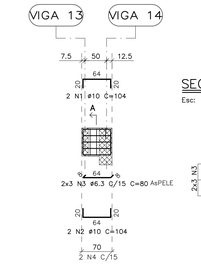
SEÇÃO A

Esc: 1:20



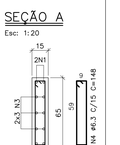
ARMADURA VIGA 16 (1x)

Esc: 1:50



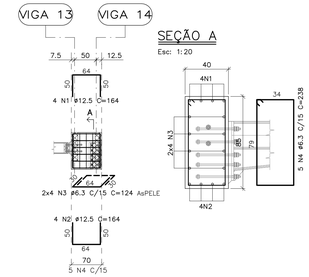
SEÇÃO A

Esc: 1:20



ARMADURA VIGA 15 (1x)

LER NOTA 4
Esc: 1:50

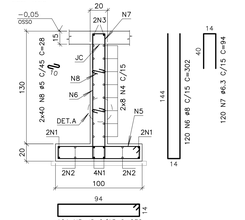


SEÇÃO A

Esc: 1:20

ARMADURA DA CORTINA 1

Esc: 1:25

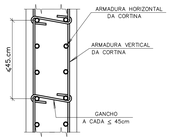


8 N1 ø12.5 C=1889 C (C/ EMENDA 75cm)
4 N2 ø6.3 C=1854 C (C/ EMENDA 40cm)

2 N3 ø12.5 C=1869 C (C/ EMENDA 75cm)
2x8 N4 ø6.3 C/15 C=1834 C (C/ EMENDA 40cm)

DETALHE A – TÍPICO

BARRA COM GANCHO
ENVOLVENDO A BARRA VERTICAL
CORTE
Esc: 1:12.5



NOTAS:

1 – MEDIDAS EM CENTIMETRO E ELEVAÇÕES EM METRO.
2 – CONFERIR COTAS CONFORME PROJETO ARQUITETÔNICO
3 – PARA NOTAS GERAIS, VER DESENHO 0789.EC.001.DE.001.
4 – SOMENTE REALIZAR CONCRETAGEM APÓS CORRETO POSICIONAMENTO DOS CHUMBADORES; VER PROJETO METÁLICO, DESENHOS: 0789.EM.001.DE.001; 0789.EM.001.DE.002.

TABELA DE FERROS

TIPO	POS.	BIT.	QUANT.	Q.Tot.	C.Unit. (cm)	C.Tot. (cm)
ARMADURA VIGA 1 (1 X)						
CA-50A	1	12.5	2	2	975	1950
CA-50A	2	12.5	2	2	937	1874
CA-50A	3	10	2	2	214	428
CA-50A	4	8	6	6	1155	6930
CA-50A	5	8	6	6	692	4152
CA-50A	6	12.5	2	2	1155	2310
CA-50A	7	12.5	2	2	757	1514
CA-50A	8	6.3	101	101	158	15958
CA-50A	9	6.3	8	8	205	1640
CA-50A	10	12.5	2	2	250	500
CA-50A	11	12.5	2	2	250	500
CA-50A	12	12.5	1	1	250	250
CA-50A	13	12.5	1	1	250	250
CA-50A	14	12.5	2	2	315	630
ARMADURA VIGA 4 (1 X)						
CA-50A	1	12.5	2	2	1043	2086
CA-50A	2	16	3	3	1063	3189
CA-50A	3	6.3	6	6	1022	6132
CA-50A	4	6.3	62	62	158	9796
CA-50A	5	16	4	4	400	1600
CA-50A	6	16	3	3	400	1200
CA-50A	7	12.5	1	1	72	72
CA-50A	8	6.3	3	3	90	270
CA-50A	9	8	4	4	182	728
CA-50A	10	12.5	1	1	112	112
DETALHE 1 (4 X)						
CA-50A	6	6.3	8	32	89	2848
CA-50A	7	8	4	16	199	3184
CA-50A	8	8	4	16	195	3120
ARMADURA DA CORTINA 1 (1 X)						
CA-50A	1	12.5	8	8	–CORR–	15272
CA-50A	2	6.3	4	4	–CORR–	7496
CA-50A	3	12.5	2	2	–CORR–	3778
CA-50A	4	6.3	16	16	–CORR–	29664
CA-50A	5	8	121	121	232	28072
CA-50A	6	8	120	120	302	36240
CA-50A	7	6.3	120	120	94	11280
CA-60B	8	5	80	80	28	2240
ARMADURA VIGA 2=VIGA 3 (2 X)						
CA-50A	1	10	2	4	459	1836
CA-50A	2	12.5	2	4	459	1836
CA-50A	3	6.3	4	8	419	3352
CA-50A	4	6.3	26	52	98	5096
CA-50A	5	10	2	4	300	1200
ARMADURA VIGA 5=VIGA 8 (2 X)						
CA-50A	1	12.5	2	4	661	2644
CA-50A	2	20	3	6	681	4086
CA-50A	3	8	6	12	621	7452
CA-50A	4	6.3	38	76	158	12008
CA-50A	5	16	3	6	400	2400
ARMADURA VIGA 6=VIGA 7 (2 X)						
CA-50A	1	10	2	4	697	2788
CA-50A	2	12.5	2	4	697	2788
CA-50A	3	8	6	12	617	7404
CA-50A	4	6.3	39	78	148	11544
CA-50A	5	10	2	4	400	1600
ARMADURA VIGA 11=VIGA 12 (2 X)						
CA-50A	1	12.5	2	4	662	2648
CA-50A	2	16	3	6	682	4092
CA-50A	3	8	6	12	622	7464
CA-50A	4	6.3	38	76	158	12008
CA-50A	5	16	3	6	400	2400
ARMADURA VIGA 9=VIGA 10 (2 X)						
CA-50A	1	12.5	2	4	184	736
CA-50A	2	12.5	2	4	184	736
CA-50A	3	6.3	4	8	144	1152
CA-50A	4	6.3	9	18	98	1764
ARMADURA VIGA 13 (1 X)						
CA-50A	1	12.5	2	2	1057	2114
CA-50A	2	12.5	2	2	1039	2078
CA-50A	3	6.3	6	6	1007	6042
CA-50A	4	6.3	62	62	148	9176
CA-50A	5	12.5	2	2	1039	2078
CA-50A	6	16	3	3	400	1200
CA-50A	7	12.5	1	1	72	72
CA-50A	8	6.3	3	3	90	270
CA-50A	9	8	4	4	182	728
CA-50A	10	12.5	1	1	112	112
DETALHE 1 (4 X)						
CA-50A	6	6.3	8	32	89	2848
CA-50A	7	8	4	16	199	3184
CA-50A	8	8	4	16	195	3120
ARMADURA VIGA 14 (1 X)						
CA-50A	1	12.5	2	2	1039	2078
CA-50A	2	12.5	2	2	1059	2118
CA-50A	3	6.3	8	8	1002	8016
CA-50A	4	6.3	65	65	250	16250
CA-50A	5	12.5	2	2	1039	2078
CA-50A	9	16	2	2	300	600
CA-50A	10	16	3	3	400	1200
ARMADURA VIGA 15 (1 X)						
CA-50A	1	12.5	4	4	164	656
CA-50A	2	12.5	4	4	164	656
CA-50A	3	6.3	8	8	124	992
CA-50A	4	6.3	5	5	238	1190
ARMADURA VIGA 16 (1 X)						
CA-50A	1	10	2	2	104	208
CA-50A	2	10	2	2	104	208
CA-50A	3	6.3	6	6	80	480
CA-50A	4	6.3	2	2	148	296

RESUMO DO AÇO

PESO CA-60B ø 5	22.40 m	3.52kg
PESO CA-50A ø 6.3	1744.50 m	431.37kg
PESO CA-50A ø 8	1047.46 m	411.13kg
PESO CA-50A ø 10	94.68 m	58.46kg
PESO CA-50A ø 12.5	529.46 m	519.53kg
PESO CA-50A ø 16	187.99 m	295.14kg
PESO CA-50A ø 20	40.86 m	101.04kg
PESO TOTAL CA-50A		1817.67kg
PESO TOTAL CA-60B		3.52kg

PESO TOTAL = 1821.19kg

RESUMO

ESPECIFICAÇÃO	VOLUME(m3)	FORMA(m2)
VIGAS	12,12	118,83
CORTINAS	8,32	51,38
CONCRETO MAGRO	1,00	–
TOTAL	21,44	170,21

REVISÃO	EMISSÃO	DATA	DISCRIMINAÇÃO	REVISADO	CONFERIDO	APROVADO
01	D	09/09/19	LISTA DO AÇO S/ 10%	WESLLEY B.	AIRTON	OA
00	D	04/07/19	EMISSÃO INICIAL	DAVID	ARNO	OA

FINALIDADE DA EMISSÃO

A – PRELIMINAR	C – LIBERADO P/ PROJETO	E – PARA COMPRA	G – PARA CONHECIMENTO
B – PARA APROVAÇÃO	D – LIBERADO P/ CONSTRUÇÃO	F – CONFORME CONSTRUÍDO	H – CANCELADO

DATA	DESENHISTA	CONFERIDO	APROVADO
JULHO/2019	DAVID	ARNO	ORACIDES
ETAPA	ARQUIVO	FORMATO	ESCALA
PARA CONSTRUÇAO	18-789	1189x594	INDICADA

ARQUIVO CAD
0789EC001DE201-R01_ARMADURA_DAS_VIGAS_BALDRAMES

CLIENTE

Prefeitura Municipal de Gaspar

OA ENGENHARIA ESPECIAL
RUA AMADEU DA LUZ, 122 Sala 96 - 89010-919 - BLUMENAU - SC
FONE: (47) 3232-5500 - CREA/SC 042779-5
E-mail : projetos@oaengenharia.com

Engenharia Especial

ORACIDES FELICIO ADRIANO
Engº Civil - CREA/SC 039304-9

OBRA
DECK – MARCO ZERO

NATUREZA
PROJETO ESTRUTURAL

LOCAL
GASPAR – SANTA CATARINA

REFERÊNCIA

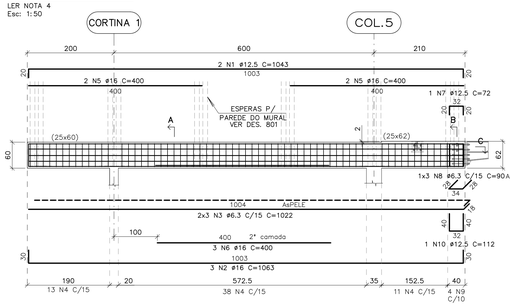
ARMADURA DAS VIGAS BALDRAMES E CORTINA

DESENHO No.
0789.EC.001.DE.201

REVISÃO
01

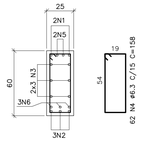
ARMADURA VIGA 4 (1x)

LER NOTA 4
Esc: 1:50



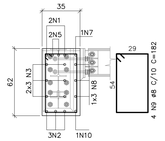
SEÇÃO A

Esc: 1:20



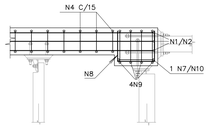
SEÇÃO B

Esc: 1:20



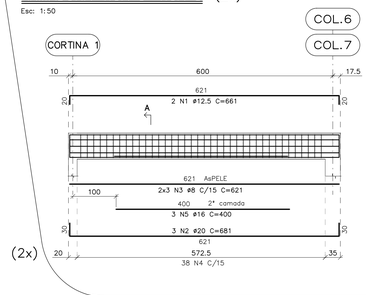
SEÇÃO C

Esc: 1:20



ARMADURA VIGA 5=VIGA 8 (2x)

Esc: 1:50

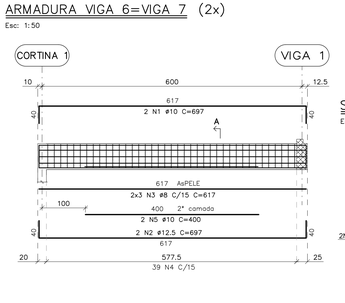


SEÇÃO A

Esc: 1:20

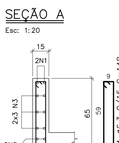
ARMADURA VIGA 6=VIGA 7 (2x)

Esc: 1:50



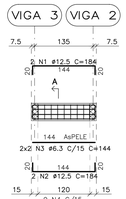
SEÇÃO A

Esc: 1:20



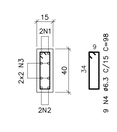
ARMADURA VIGA 9=VIGA 10 (2x)

Esc: 1:50



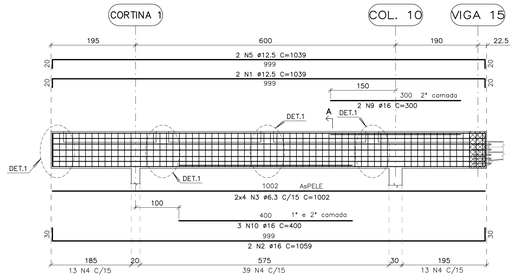
SEÇÃO A

Esc: 1:20



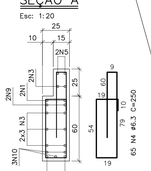
ARMADURA VIGA 14 (1x)

LER NOTA 4
Esc: 1:50



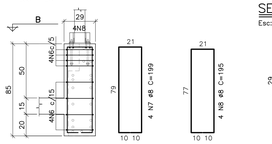
SEÇÃO A

Esc: 1:20



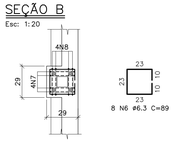
DETALHE 1 (4x)

Esc: 1:20



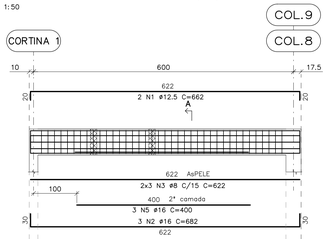
SEÇÃO B

Esc: 1:20



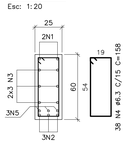
ARMADURA VIGA 11=VIGA 12 (2x)

Esc: 1:50



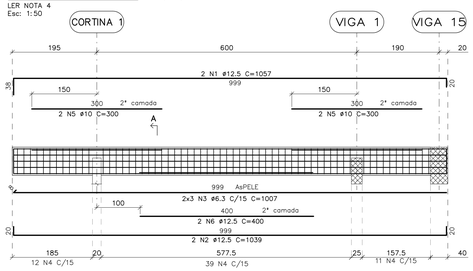
SEÇÃO A

Esc: 1:20



ARMADURA VIGA 13 (1x)

LER NOTA 4
Esc: 1:50



SEÇÃO A

Esc: 1:20