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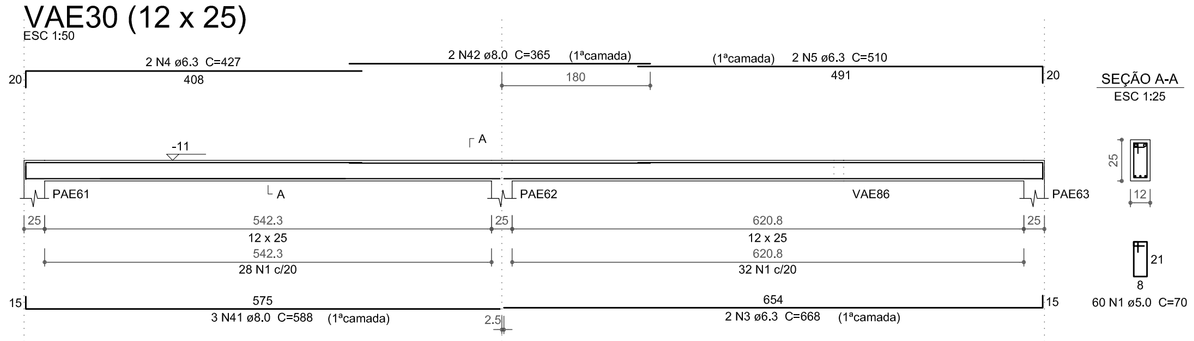
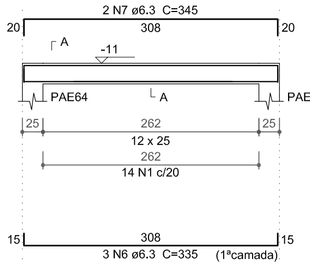
VAE30 (12 x 25)
ESC 1:50



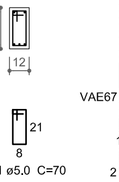
SEÇÃO A-A
ESC 1:25

60 N1 ø5.0 C=70

VAE31 (12 x 25)
ESC 1:50

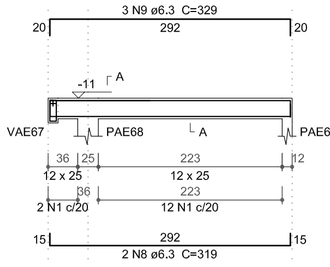


SEÇÃO A-A
ESC 1:25

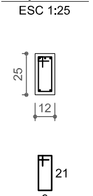


14 N1 ø5.0 C=70

VAE32 (12 x 25)
ESC 1:50

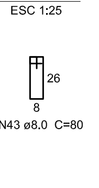


SEÇÃO A-A
ESC 1:25



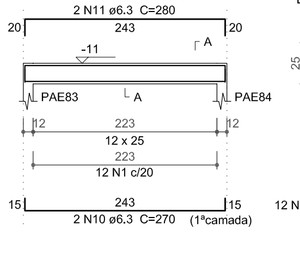
14 N1 ø5.0 C=70

SUSPENSÃO VAE67
ESC 1:25

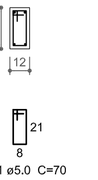


1 N43 ø8.0 C=80

VAE33 (12 x 25)
ESC 1:50



SEÇÃO A-A
ESC 1:25



12 N1 ø5.0 C=70

Relação do aço

VAE30	VAE31	VAE32
VAE33	VAE34	VAE35
VAE36	VAE37	VAE38
VAE39	VAE40	VAE41
VAE42	VAE43	VAE44
VAE45	VAE46	VAE47
VAE48	VAE49	VAE50
VAE51	VAE52	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	583	70	40810
	2	5.0	10	74	740
CA50	3	6.3	2	668	1336
	4	6.3	2	427	854
	5	6.3	2	510	1020
	6	6.3	3	335	1005
	7	6.3	2	345	690
	8	6.3	2	319	638
	9	6.3	3	329	987
	10	6.3	2	270	540
	11	6.3	2	280	560
	12	6.3	2	235	470
	13	6.3	2	245	490
	14	6.3	2	193	386
	15	6.3	2	203	406
	16	6.3	4	265	1060
	17	6.3	4	275	1100
	18	6.3	4	693	2772
	19	6.3	4	703	2812
	20	6.3	4	164	656
	21	6.3	4	191	764
	22	6.3	2	824	1648
	23	6.3	2	847	1694
	24	6.3	4	169	676
	25	6.3	4	179	716
	26	6.3	8	350	2800
	27	6.3	4	352	1408
	28	6.3	2	174	348
	29	6.3	2	184	368
	30	6.3	3	627	1881
	31	6.3	2	522	1044
	32	6.3	2	805	1610
	33	6.3	2	375	750
	34	6.3	2	1044	2088
	35	6.3	2	393	786
	36	6.3	2	373	746
	37	6.3	2	778	1556
	38	6.3	2	788	1576
	39	6.3	2	200	400
	40	6.3	2	210	420
	41	8.0	3	588	1764
	42	8.0	2	365	730
	43	8.0	1	80	80
	44	8.0	3	1047	3141
	45	8.0	6	390	2340
	46	8.0	6	1050	6300
	47	8.0	2	320	640

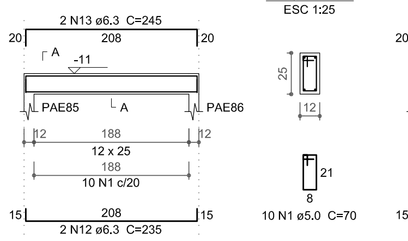
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6,3	410,7	110,5
	8,0	150	65,1
CA60	5,0	415,5	70,4

PESO TOTAL (kg)	
CA50	175,6
CA60	70,4

Volume de concreto (C-20) = 3,63 m³
Área de forma = 74,79 m²

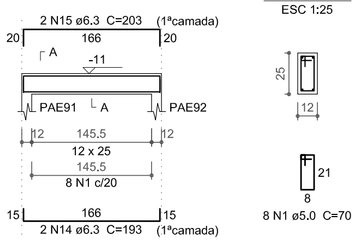
VAE34 (12 x 25)
ESC 1:50



SEÇÃO A-A
ESC 1:25

10 N1 ø5.0 C=70

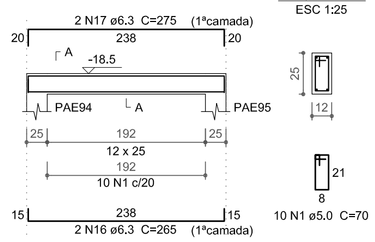
VAE35 (12 x 25)
ESC 1:50



SEÇÃO A-A
ESC 1:25

8 N1 ø5.0 C=70

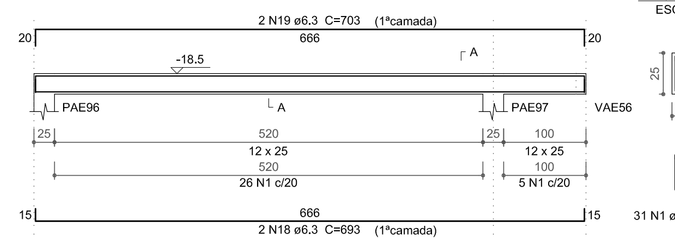
VAE36 (12 x 25)
ESC 1:50



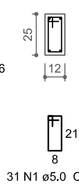
SEÇÃO A-A
ESC 1:25

10 N1 ø5.0 C=70

VAE37 (12 x 25)
ESC 1:50

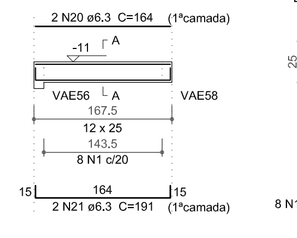


SEÇÃO A-A
ESC 1:25

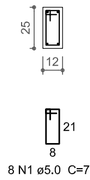


31 N1 ø5.0 C=70

VAE38 (12 x 25)
ESC 1:50

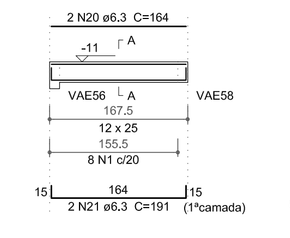


SEÇÃO A-A
ESC 1:25



8 N1 ø5.0 C=70

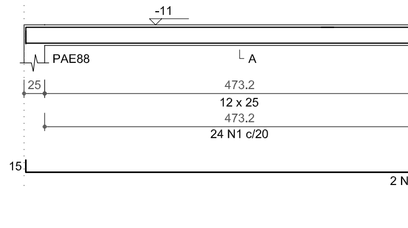
VAE39 (12 x 25)
ESC 1:50



SEÇÃO A-A
ESC 1:25

8 N1 ø5.0 C=70

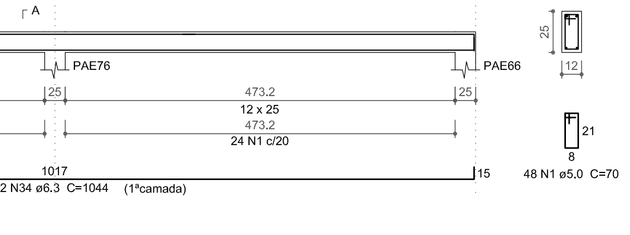
VAE40 (12 x 25)
ESC 1:50



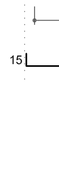
SEÇÃO A-A
ESC 1:25

10 N1 ø5.0 C=70

VAE41 (12 x 25)
ESC 1:50

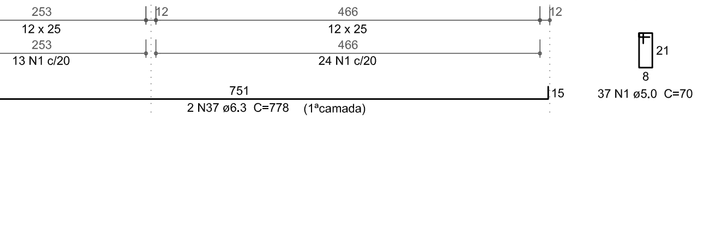


SEÇÃO A-A
ESC 1:25

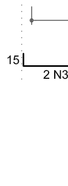


31 N1 ø5.0 C=70

VAE42 (12 x 25)
ESC 1:50

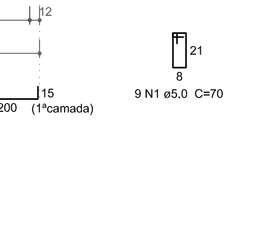


SEÇÃO A-A
ESC 1:25



39 N1 ø5.0 C=70

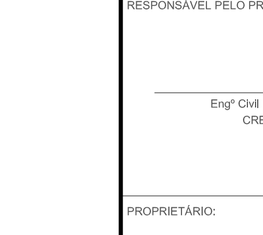
VAE43 (14 x 25)
ESC 1:50



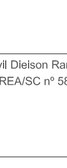
SEÇÃO A-A
ESC 1:25

5 N2 ø5.0 C=74

VAE44 (14 x 25)
ESC 1:50



SEÇÃO A-A
ESC 1:25



5 N2 ø5.0 C=74

VAE45 (12 x 25)
ESC 1:50

SEÇÃO A-A
ESC 1:25

48 N1 ø5.0 C=70

VAE46 (12 x 25)
ESC 1:50

SEÇÃO A-A
ESC 1:25

48 N1 ø5.0 C=70

VAE47 (12 x 25)
ESC 1:50

SEÇÃO A-A
ESC 1:25

7 N1 ø5.0 C=70

VAE48 (12 x 25)
ESC 1:50

SEÇÃO A-A
ESC 1:25

83 N1 ø5.0 C=70

VAE49 (12 x 25)
ESC 1:50

SEÇÃO A-A
ESC 1:25

48 N1 ø5.0 C=70

Fck = 20 MPa

VAE50 (12 x 25)
ESC 1:50

SEÇÃO A-A
ESC 1:25

48 N1 ø5.0 C=70

VAE51 (12 x 25)
ESC 1:50

SEÇÃO A-A
ESC 1:25

37 N1 ø5.0 C=70

VAE52 (12 x 25)
ESC 1:50

SEÇÃO A-A
ESC 1:25

9 N1 ø5.0 C=70

OBSERVAÇÕES:
Qualquer alteração deverá ser autorizada pelos responsáveis dos projetos;
Dimensões em metros (m), diferenças entre as cotas e medidas na escala, prevalecem as cotas;
É necessário consultar os projetos complementares;
Direitos autorais reservados, conforme Lei Federal 9.610/98, ART 70º, itens X e XI ART 1º, Lei Federal 5988/73 e 5.194/66

OBRA:
REFORMA E ADEQUAÇÃO DA SEDE DA PREFEITURA DE IOMERÊ/SC
RUA JOÃO RECH, CENTRO - IOMERÊ - SC

RESPONSÁVEL PELO PROJETO:
Engº Civil Dielson Ramos Glasenapp
CREA/SC nº 58.024-5

CONTEÚDO DA PRANCHA:
ARMAÇÃO DAS VIGAS DE BALDRAME DOS ACESSOS EXTERNOS

REFERÊNCIA:
PROJETO ESTRUTURAL (executivo)

ÁREA TOTAL: 2.491,01 m²
ESCALAS: INDICADAS
Nº PRANCHA: 02/05

PROPRIETÁRIO:
MUNICÍPIO DE IOMERÊ

DATA: 06/19
DESENHO: Dielson

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