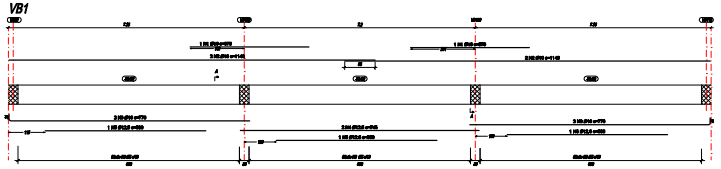
VB1



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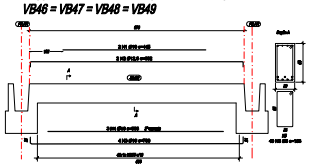
VB32 = VB33 = VB34 = VB35 = VB36 = VB37
VB38 = VB41 = VB42 = VB43 = VB44 = VB45
VB46 = VB47 = VB48 = VB49



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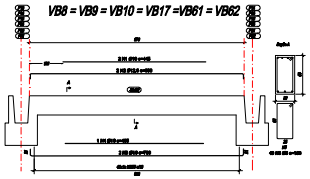
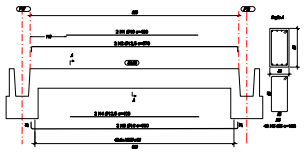


VB11



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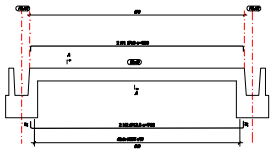

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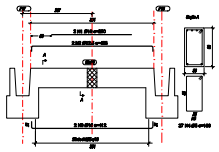

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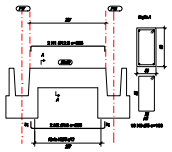
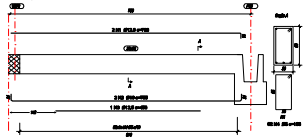


VB19



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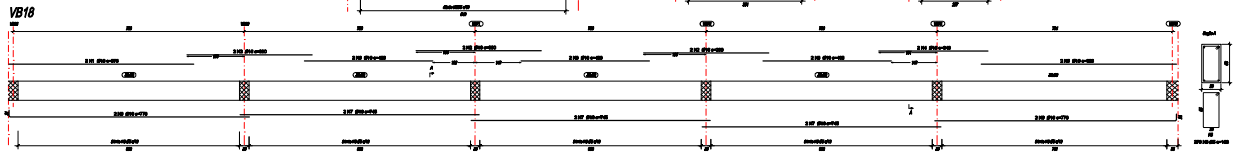

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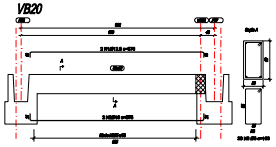
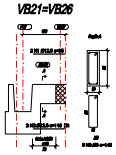


VB21=VB26



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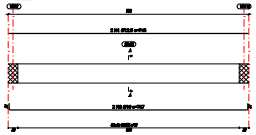

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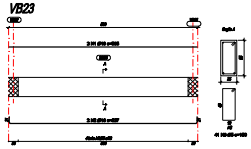
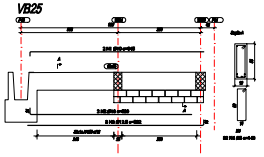


VB24

VB25



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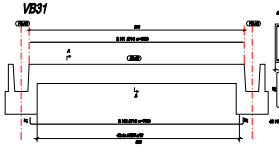

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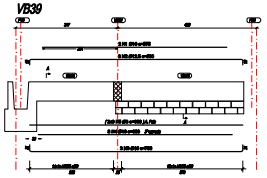

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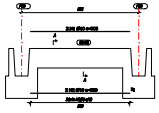

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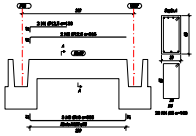

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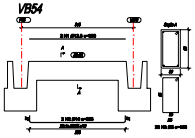
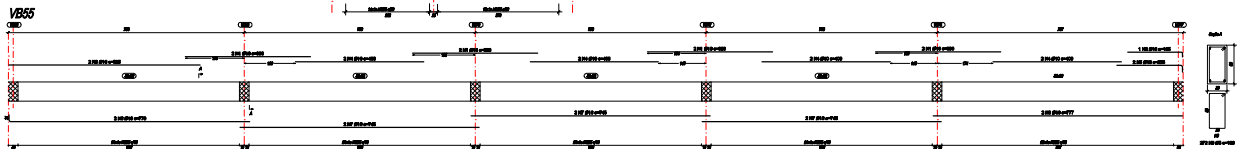


FUNDACAO(-0,15)
Desenho de vigas
Concreto: C30, em geral
Aço das barras: CA-50 e CA-60
Aço dos estribos: CA-50 e CA-60
Escala vigas 1:50
Escala seções 1:25

VB55



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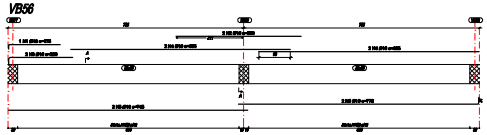

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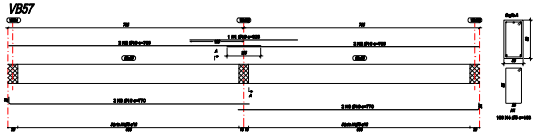

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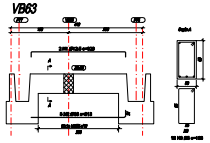

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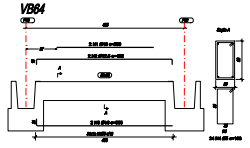

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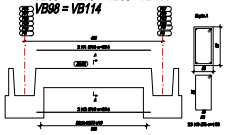

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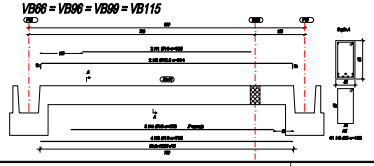

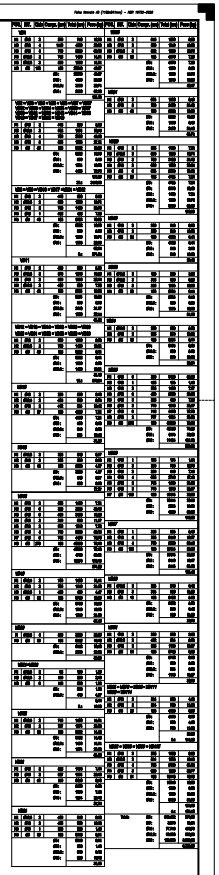

VIDE NOTA FOLHA 02

REVISÃO	DATA	DESCRIÇÃO	APROVAÇÃO
04	-/-	-/-	
03	-/-	-/-	
02	-/-	-/-	
01	2022	EMISSÃO	
00	2022	LIBERAÇÃO INICIAL	

HELICAL
Eng.º Márcio Sutzbach
Eng. Responsável CREA 060000/D SC 52432
ART. 28200000004008

R. PEDRO ALVARES, S/N - Jd. EUCALIPTOS
CEP 12.233-310 - SÃO JOSÉ DOS CAMPOS - SP
FONE / FAX (12) 3922-2222
e-mail: marcio@helical.com.br

DISCIPLINA: ESTRUTURA	ESCALA: Indicadas
RESPONSÁVEL: MÁRCIO	CLIENTE: URBAM - URBANIZADORA MUNICIPAL
PROJETO/ARQ.: M023_dwg	OBRA: Av. Adilson José da Cruz, 1901 - Cruz. Res. Dom Pedro I, São José dos Campos - SP, 12.233-720
TÍTULO: ESTRUTURAS - CONCRETO ARMADO ARMAÇÃO DE VIGAS BALDRAMES (-0,15) 1/2	DESENHO: M023 PRANCHA: S05