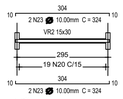
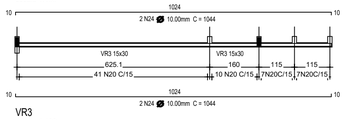
FÔRMA DAS V. RESPALDO
escala.....1:100

VIGAS RESPALDO
PILAR QUE MORRE

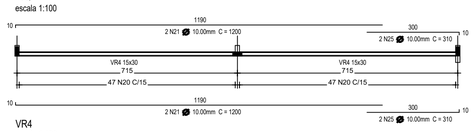
VR1
escala 1:100



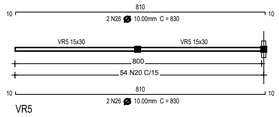
VR2
escala 1:100



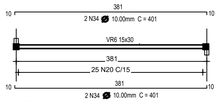
VR3
escala 1:100



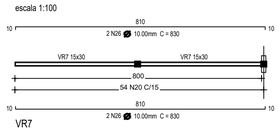
VR4
escala 1:100



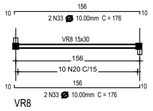
VR5
escala 1:100



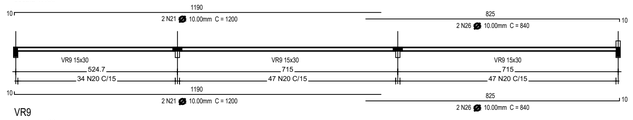
VR6
escala 1:100



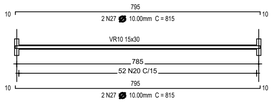
VR7
escala 1:100



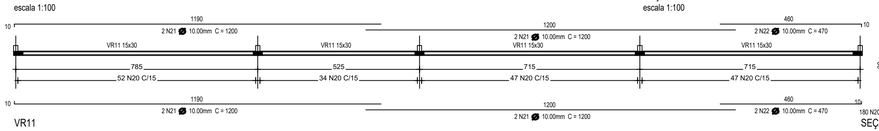
VR8
escala 1:100



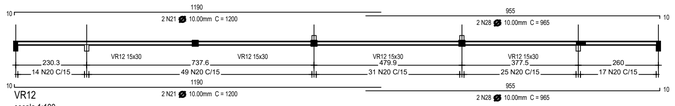
VR9
escala 1:100



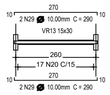
VR10
escala 1:100



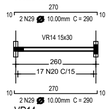
VR11
escala 1:100



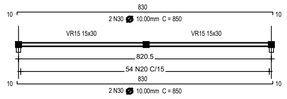
VR12
escala 1:100



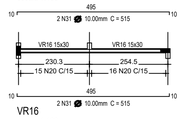
VR13
escala 1:100



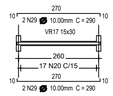
VR14
escala 1:100



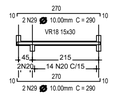
VR15
escala 1:100



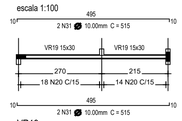
VR16
escala 1:100



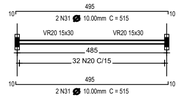
VR17
escala 1:100



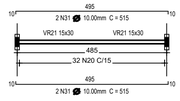
VR18
escala 1:100



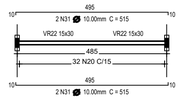
VR19
escala 1:100



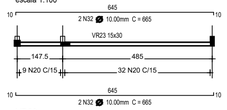
VR20
escala 1:100



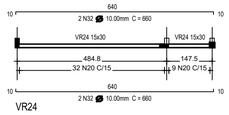
VR21
escala 1:100



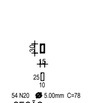
VR22
escala 1:100



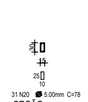
VR23
escala 1:100



VR24
escala 1:100



SEÇÃO a-a
escala 1:100

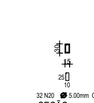


SEÇÃO a-a
escala 1:100

SEÇÃO a-a
escala 1:100

SEÇÃO a-a
escala 1:100

SEÇÃO a-a
escala 1:100

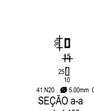


SEÇÃO a-a
escala 1:100

SEÇÃO a-a
escala 1:100

SEÇÃO a-a
escala 1:100

SEÇÃO a-a
escala 1:100



SEÇÃO a-a
escala 1:100

SEÇÃO a-a
escala 1:100

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escala 1:100

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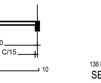
escala 1:100



SEÇÃO a-a
escala 1:100

SEÇÃO a-a
escala 1:100

SEÇÃO a-a
escala 1:100

VOLUME DE CONCRETO DAS VIGAS RESPALDO
SEÇÃO 15X30

CONCRETO FCK 25MPA = 9,32 m³

RELAÇÃO DO AÇO (VIGAS RESPALDO)

AÇO	N	DIÂM.	Q	UNIT.	TOTAL
CA 60	N20	5.00mm	1489,00	0,78m	1161,42m
CA 50	N21	10.00mm	28,00	12,00m	336,00m
CA 50	N22	10.00mm	8,00	4,70m	37,60m
CA 50	N23	10.00mm	4,00	3,24m	12,96m
CA 50	N24	10.00mm	4,00	10,44m	41,76m
CA 50	N25	10.00mm	4,00	3,10m	12,40m
CA 50	N26	10.00mm	12,00	8,30m	99,60m
CA 50	N27	10.00mm	4,00	8,15m	32,60m
CA 50	N28	10.00mm	4,00	9,65m	38,60m
CA 50	N29	10.00mm	16,00	2,90m	46,40m
CA 50	N30	10.00mm	4,00	8,50m	34,00m
CA 50	N31	10.00mm	16,00	5,15m	82,40m
CA 50	N32	10.00mm	8,00	6,65m	53,20m
CA 50	N33	10.00mm	4,00	1,76m	7,04m
CA 50	N34	10.00mm	4,00	4,01m	16,04m
			TOTAL CA60		1161,42m
			TOTAL CA50		850,60m

RESUMO DO AÇO DAS VIGAS RESPALDO
97 BARRAS Ø 5.00mm C = 12,00m

PREFEITURA MUNICIPAL DE PRESIDENTE OLEGÁRIO - MG

CNPJ: 18.602.060/0001-40
Praça Dr. Castilho, 10 - Centro - Presidente Olegário - MG

PROJETO ESTRUTURAL

PROJETO DE REFORMA E AMPLIAÇÃO DA ESCOLA MUNICIPAL PIMPIM MOREIRA ASSENTAMENTO DE VITRINE

CONTEÚDO:
PLANTA DE FÔRMA DAS VIGAS RESPALDO
VIGAS RESPALDO

ENDEREÇO:
ASSENTAMENTO DE VITRINE
PRESIDENTE OLEGÁRIO - MG

ÁREA DO TERRENO:
1.361,80m²

INSCRIÇÃO CADASTRAL:
-

DESENHO: AMAPAR
DEP. PROJETOS
(34)3822-5450

DATA:
SET / 2021

FOLHA:
03/03

Rhenys da Silva Cambraia
PREFEITO MUNICIPAL DE
PRESIDENTE OLEGÁRIO - MG

Flávio Diorgenes Cassimiro
ENGENHEIRO CIVIL - CREA-MG: 253.560/D
SECRETARIA DE OBRAS E SERVIÇOS PÚBLICOS