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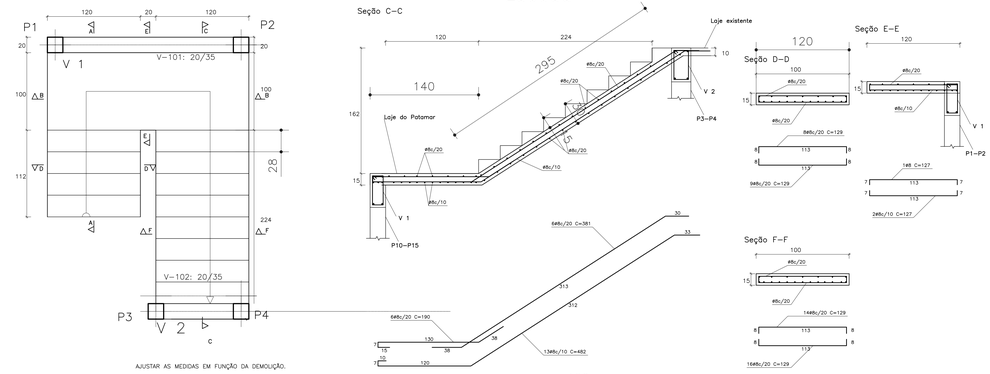
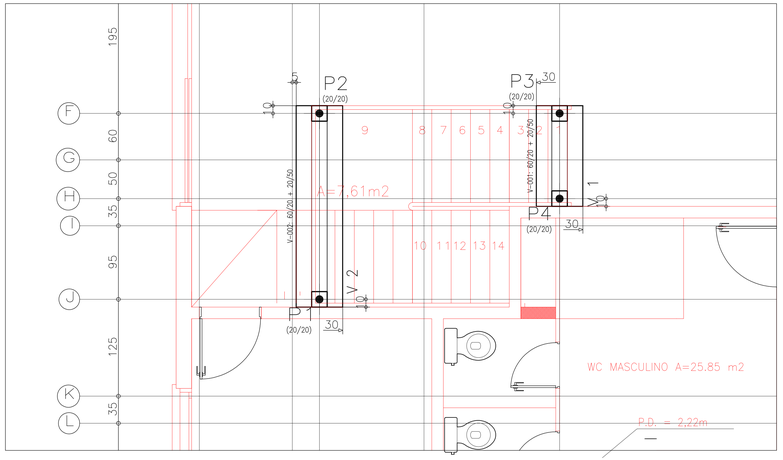
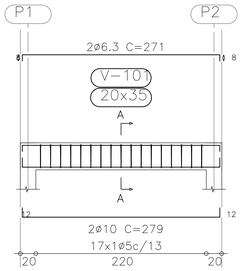
Escada 1

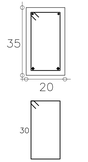




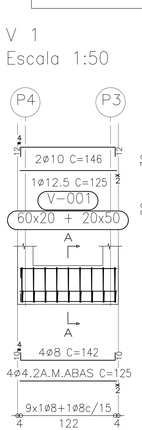
V 1
Escala 1:50



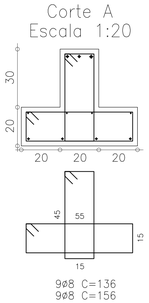
Corte A
Escala 1:20



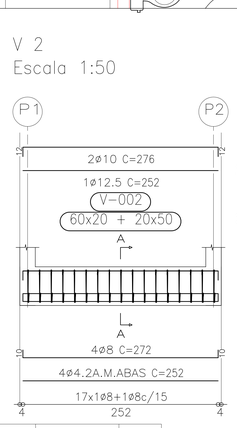
V 1
Escala 1:50



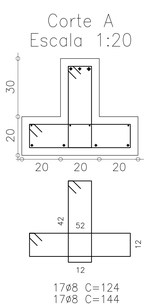
Corte A
Escala 1:20

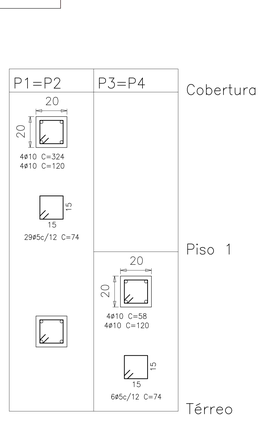


V 2
Escala 1:50

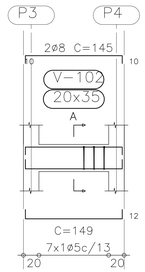


Corte A
Escala 1:20



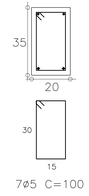


V 2
Escala 1:50



ESPERAS DO ARRANQUE DA ESCADA

Corte A
Escala 1:20



ESCADA 1		
Geometria	Largura	1.200 m
	Espessura	0.15 m
	Piso	0.280 m
	Espelho	0.177 m
Cargas	Peso próprio	3.68 kN/m2
	Degraus	1.19 kN/m2
	Revestimento	1.00 kN/m2
	Guarda-corpos	3.00 kN/m
	Sobrecarga	3.00 kN/m2
Materiais	Concreto	C20, em geral
	Aço	CA-50-A e CA-60-B
	Cob. geométrico	3.0 cm

Resumo Aço ESCADA 1	Comp.total (m)	Peso+10% (kg)	Total
CA-50-A ø6.3	5.42	4	
ø8	143.5	63	
ø10	173,2	119	
CA-60-B ø5	24	4	184
			4
Total			188
Vol. Concreto FCK 20 MPa = 2.7 m3			
Área de Formas = 18 m2			

Resumo Aço Térreo Vigas	Comp. total (m)	Peso+10% (kg)	Total
CA-50-A ø8	88.4	38	
ø10	8.4	6	
ø12.5	3.8	4	48
CA-60-B ø4.2	15.1	2	2
Total			50

Resumo Aço Pisos 1 e 2 Pilares	Comp. total (m)	Peso+10% (kg)	Total
CA-50-Aø10	49.7	34	34
CA-60-Bø5	51.8	9	9
Total			43

REV.	DESCRIÇÃO	DATA	EXEC.	VERIF.	APROV.
C	ADEQUAÇÕES PLANILHA DE CUSTOS- SEGUNDO PAVIMENTO-ACESSIBILIDADE	15/08/18	POS	AGD	POS
B	ADEQUAÇÕES DAS ESCADAS	25/06/18	POS	AGD	POS
A	ADEQUAÇÕES	23/03/18	POS	AGD	POS
0	EMISSÃO ORIGINAL	26/01/18	POS	AGD	POS

CONTRATANTE: PMRG — RUBRICA:

RESP. TÉCNICO PELO PROJETO: ENG. OSVALDO CORREA FILHO CREA-RS 78.181-D/RS

RESP. TÉCNICO PELA EXECUÇÃO: REG. CREA No.

RUBRICA: — RUBRICA:

ESTE DOCUMENTO É DE PROPRIEDADE DA POSITIVO ENGENHARIA LTDA., E NAO PODE SER REPRODUZIDO OU USADO PARA QUALQUER FINALIDADE DIFERENTE DAQUELA PARA QUAL ESTA SENDO FORNECIDO.

POSITIVO ENGENHARIA LTDA.
RUA GENERAL ABREU, 211 - BAIRRO OSMAR NOVA - RIO GRANDE/ RS CEP 96211-102
Email: positivoengenharia@outlook.net — C.N.P.J. 06.184.826/0001-08

CLIENTE: PMRG – PROCOM–SMDIER

PREFEITURA MUNICIPAL DO RIO GRANDE

PROGRAMA OU PROJETO: ADEQUAÇÃO DE PROJETO ESTRUTURAL

ESCADA 1

ENDEREÇO: RUA VICE ALMIRANTE ABREU, 737

PROJ.	DES.	VERIF.	APROV.
POS	MTS	MTS	OCF
ESCALA: 1:50			FOLHA: 1 DE 2
DATA: 08/01/2018	No. PD: 1		

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