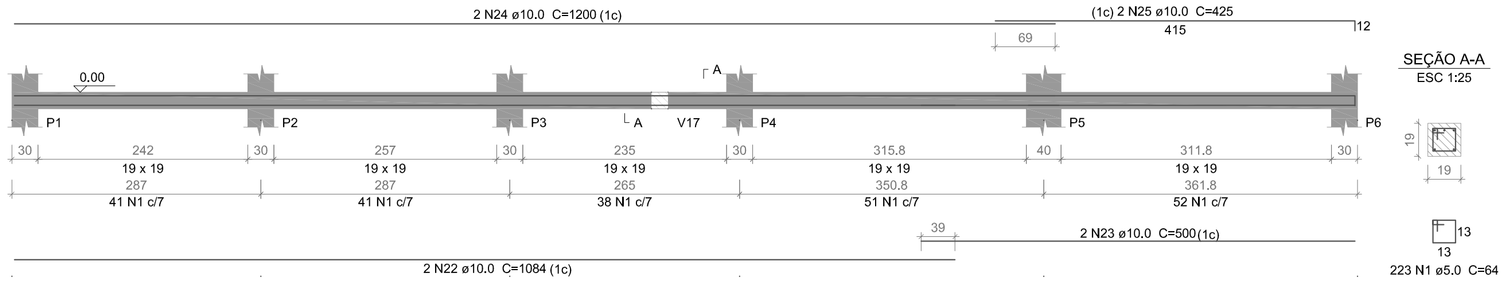
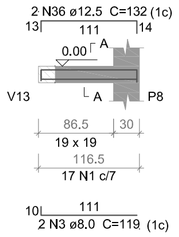
V1
ESC 1:50



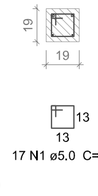
SEÇÃO A-A
ESC 1:25

223 N1 ø5.0 C=64

V2
ESC 1:50

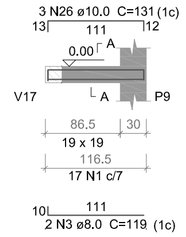


SEÇÃO A-A
ESC 1:25

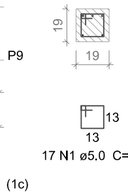


17 N1 ø5.0 C=64

V3
ESC 1:50

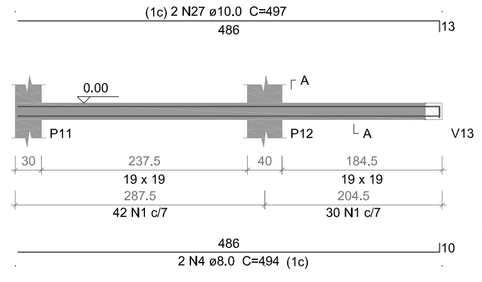


SEÇÃO A-A
ESC 1:25

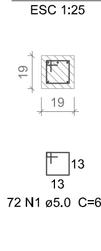


17 N1 ø5.0 C=64

V4
ESC 1:50

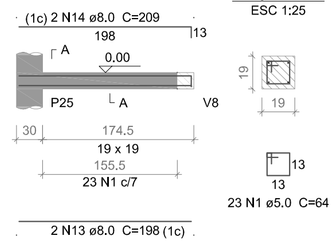


SEÇÃO A-A
ESC 1:25



72 N1 ø5.0 C=64

V12
ESC 1:50



SEÇÃO A-A
ESC 1:25

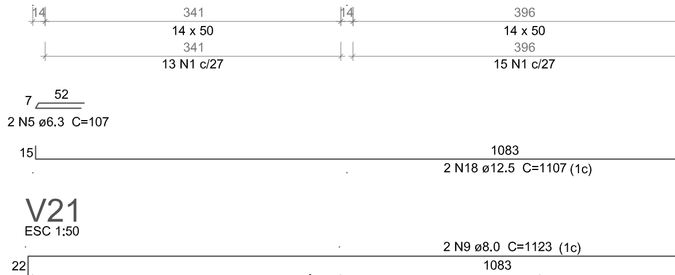
23 N1 ø5.0 C=64

Relação do aço

V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	V12
V13	V14	V15
V16	V17	V18
V19		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	1377	64	88128
CA50	2	6.3	2	112	224
	3	8.0	6	119	714
	4	8.0	2	494	988
	5	8.0	2	711	1422
	6	8.0	2	116	232
	7	8.0	2	762	1524
	8	8.0	2	765	1530
	9	8.0	2	814	1628
	10	8.0	4	659	2636
	11	8.0	2	1004	2008
	12	8.0	2	1016	2032
	13	8.0	2	198	396
	14	8.0	2	209	418
	15	8.0	2	395	790
	16	8.0	4	318	1272
	17	8.0	2	367	734
	18	8.0	2	366	732
	19	8.0	2	321	642
	20	8.0	2	343	686
	21	8.0	2	1083	2166
	22	10.0	2	1084	2168
	23	10.0	2	500	1000
	24	10.0	2	1200	2400
	25	10.0	2	425	850
	26	10.0	3	131	393
	27	10.0	2	497	994
	28	10.0	2	731	1462
	29	10.0	3	128	384
	30	10.0	2	373	746
	31	10.0	2	456	912
	32	10.0	2	476	952
	33	10.0	2	437	874
	34	10.0	3	474	1422
	35	10.0	2	1119	2238
	36	12.5	4	132	528
	37	12.5	2	816	1632

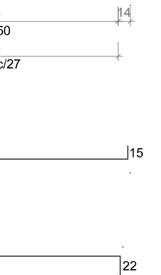
V5
ESC 1:50



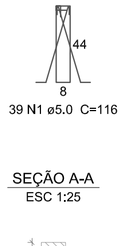
SEÇÃO A-A
ESC 1:25

100 N1 ø5.0 C=64

V6
ESC 1:50

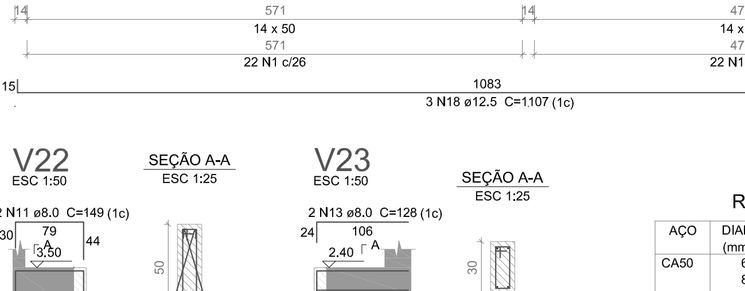


SEÇÃO A-A
ESC 1:25

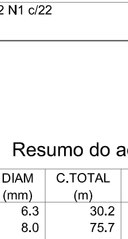


17 N1 ø5.0 C=64

V8
ESC 1:50

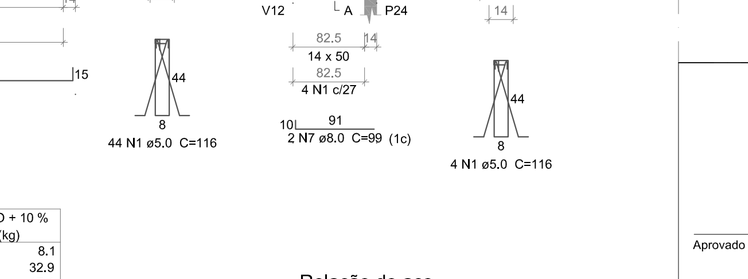


SEÇÃO A-A
ESC 1:25



110 N1 ø5.0 C=64

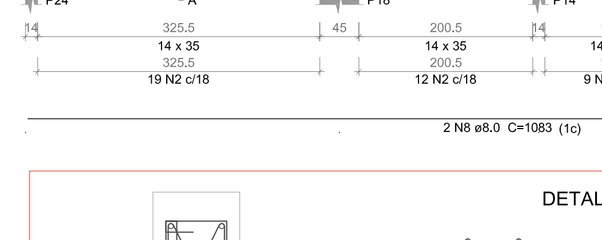
V9
ESC 1:50



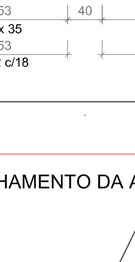
SEÇÃO A-A
ESC 1:25

118 N1 ø5.0 C=64

V10
ESC 1:50

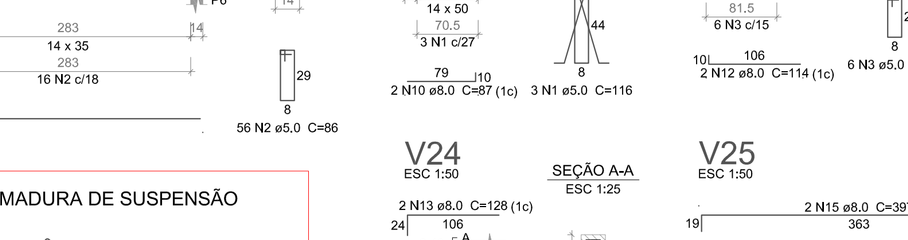


SEÇÃO A-A
ESC 1:25

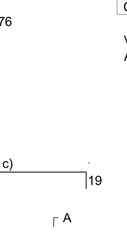


83 N1 ø5.0 C=64

V11
ESC 1:50

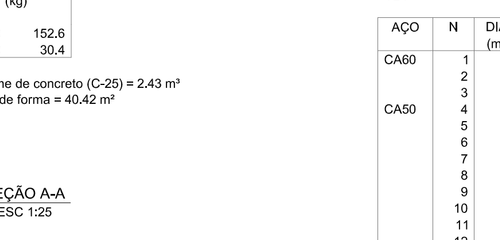


SEÇÃO A-A
ESC 1:25

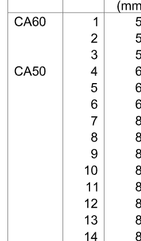


138 N1 ø5.0 C=64

V13
ESC 1:50

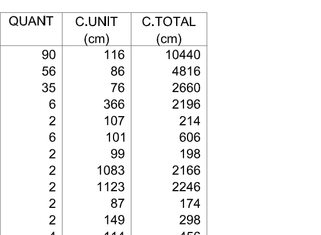


SEÇÃO A-A
ESC 1:25

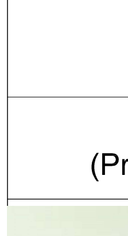


49 N1 ø5.0 C=64

V14
ESC 1:50

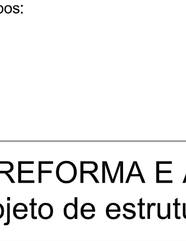


SEÇÃO A-A
ESC 1:25



43 N1 ø5.0 C=64

V7
ESC 1:50

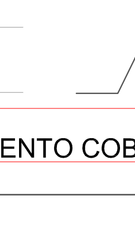


SEÇÃO A-A
ESC 1:25

17 N1 ø5.0 C=64

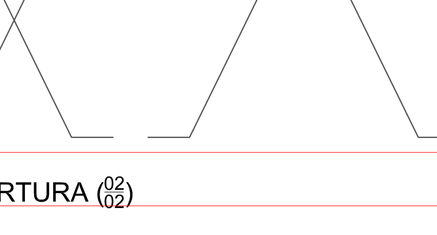
V15
ESC 1:50

SEÇÃO A-A
ESC 1:25



43 N1 ø5.0 C=64

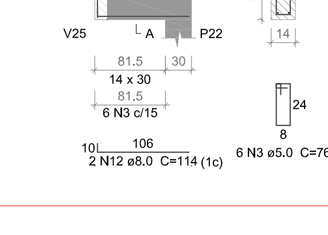
V16
ESC 1:50



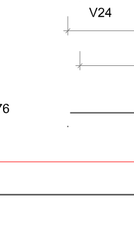
SEÇÃO A-A
ESC 1:25

57 N1 ø5.0 C=64

V17
ESC 1:50

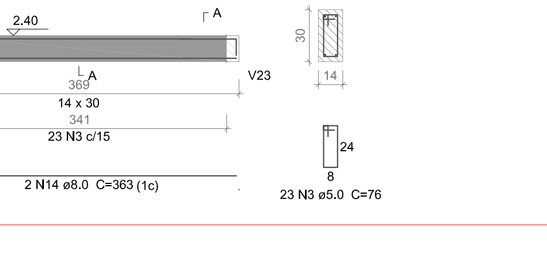


SEÇÃO A-A
ESC 1:25



42 N1 ø5.0 C=64

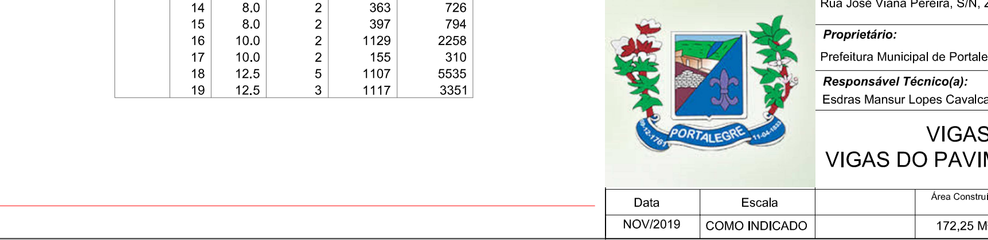
V18
ESC 1:50



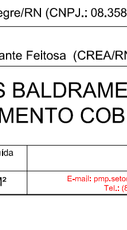
SEÇÃO A-A
ESC 1:25

57 N1 ø5.0 C=64

V19
ESC 1:50



SEÇÃO A-A
ESC 1:25



151 N1 ø5.0 C=64

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	2.3	0.6
	8.0	225.5	97.9
	10.0	168	113.9
	12.5	21.6	22.9
CA60	5.0	881.3	149.4
PESO TOTAL (kg)			
CA50	235.3		
CA60	149.4		

Volume de concreto (C-25) = 3,6 m³
Área de forma = 56,92 m²

1 VIGAS BALDRAMES
ESCALA COMO INDICADO

V18
ESC 1:50

SEÇÃO A-A
ESC 1:25

39 N1 ø5.0 C=116

V21
ESC 1:50

SEÇÃO A-A
ESC 1:25

56 N2 ø5.0 C=86

DETALHAMENTO DA ARMADURA DE SUSPENSÃO

V19
ESC 1:50

SEÇÃO A-A
ESC 1:25

44 N1 ø5.0 C=116

V20
ESC 1:50

SEÇÃO A-A
ESC 1:25

4 N1 ø5.0 C=116

V22
ESC 1:50

SEÇÃO A-A
ESC 1:25

3 N1 ø5.0 C=116

V23
ESC 1:50

SEÇÃO A-A
ESC 1:25

6 N3 ø5.0 C=76

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	30.2	8.1
	8.0	75.7	32.9
	10.0	25.7	17.4
	12.5	88.9	94.2
CA60	5.0	179.2	30.4
PESO TOTAL (kg)			
CA50	152.6		
CA60	30.4		

Volume de concreto (C-25) = 2,43 m³
Área de forma = 40,42 m²

V24
ESC 1:50

SEÇÃO A-A
ESC 1:25

6 N3 ø5.0 C=76

V25
ESC 1:50

SEÇÃO A-A
ESC 1:25

23 N3 ø5.0 C=76

Relação do aço

V18	V19	V20
V21	V22	V23
V24	V25	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	90	116	10440
	2	5.0	56	86	4816
	3	5.0	35	76	2660
CA50	4	6.3	6	366	2196
	5	6.3	2	107	214
	6	6.3	6	101	606
	7	8.0	2	99	198
	8	8.0	2	1083	2166
	9	8.0	2	1123	2246
	10	8.0	2	87	174
	11	8.0	2	149	298
	12	8.0	4	114	456
	13	8.0	4	128	512
	14	8.0	2	363	726
	15	8.0	2	397	794
	16	10.0	2	1129	2258
	17	10.0	2	155	310
	18	12.5	5	1107	5535
	19	12.5	3	1117	3351

2 VIGAS DO PAVIMENTO COBERTURA (02/02)
ESCALA COMO INDICADO

OBSERVAÇÕES INICIAIS

DIREITOS AUTORAIS RESERVADOS

PROÍBIDA QUALQUER MODIFICAÇÃO OU REPRODUÇÃO NO TODO OU EM PARTE, SEM AUTORIZAÇÃO POR ESCRITO DO AUTOR DO PROJETO

DÚVIDAS EM RELAÇÃO A EXECUÇÃO DO PROJETO DEVEM SER TIRADAS COM O PROJETISTA. RECOMENDA-SE EVITAR EXECUÇÃO POR EXPERIÊNCIA. ESTE DOCUMENTO É FRUTO DE UM ESTUDO

Proprietário:

Aprovado por:

Responsável Técnico(a):

Quadro de Carimbos:

REFORMA E AMPLIAÇÃO - CEMEI
(Projeto de estruturas de concreto armado)

Endereço :
Rua José Viana Pereira, S/N, Zona urbana do município de Portalegre.

Proprietário:
Prefeitura Municipal de Portalegre/RN (CNPJ.: 08.358.053/0001-90)

Responsável Técnico(a):
Esdras Mansur Lopes Cavalcante Feltosa (CREA/RN: 2116454727)

PRANCHA:

VIGAS BALDRAMES;
VIGAS DO PAVIMENTO COBERTURA (02/02)

04/12

Data	Escala		Área Construída	Contato:	
NOV/2019	COMO INDICADO		172,25 M²	E-mail: pmp.setorengenharia@gmail.com Tel.: (84) 3374-2196	REV: 000

PRANCHA FORMATO A1 (594x841mm)

O PRESENTE TRABALHO ESTÁ PROTEGIDO POR DIREITO AUTORAL (LEI 9.610/98). É PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL DO PRESENTE TRABALHO SOB PENA DA LEI