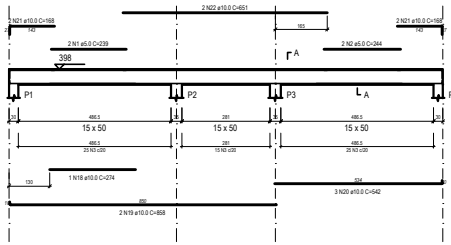
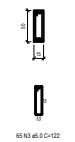
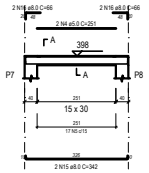
V1-1 (15 x 50)
Esc.: 1:50



SEÇÃO A-A
Esc.: 1:25

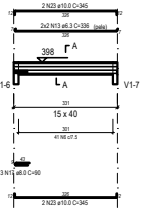


V1-2 (15 x 30)
Esc.: 1:50



SEÇÃO A-A
Esc.: 1:25

V1-3 (15 x 40)
Esc.: 1:50



SEÇÃO A-A
Esc.: 1:25

Relação do aço

V1-1 V1-2 V1-3
V1-4 V1-5 V1-6
V1-7 V1-8 V1-9

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	2	239	478
	2	5.0	4	244	976
	3	5.0	131	122	15982
	4	5.0	2	251	502
	5	5.0	17	82	1394
	6	5.0	174	102	17748
	7	5.0	2	249	498
	8	5.0	4	230	920
	9	5.0	4	184	736
	10	5.0	4	275	1100
	11	5.0	149	162	24138
	12	5.0	4	161	644
CA50	13	6.3	4	336	1344
	14	6.3	2	109	218
	15	8.0	6	342	2052
	16	8.0	4	66	264
	17	8.0	3	90	270
	18	10.0	1	274	274
	19	10.0	2	858	1716
	20	10.0	3	540	1626
	21	10.0	4	168	672
	22	10.0	4	661	2604
	23	10.0	4	345	1380
	24	10.0	1	269	269
	25	10.0	2	868	1736
	26	10.0	3	552	1656
	27	10.0	4	165	660
	28	10.0	4	405	1620
	29	10.0	6	1133	6798
	30	10.0	12	1127	13524
	31	12.5	2	355	710
	32	12.5	4	720	2880
	33	12.5	6	1133	6798
	34	16.0	4	910	3640

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	153.7	42
	8.0	29.2	11.2
	10.0	249.4	234.2
	12.5	169.8	130.1
	16.0	36.4	63.2
CA60	5.0	651.2	110.4

PESO TOTAL (kg)

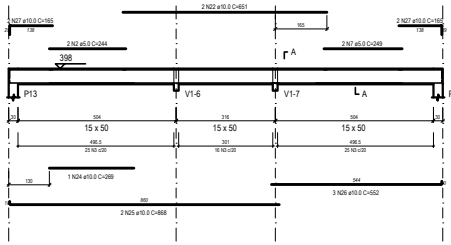
CA50	422.9
CA60	110.4

Volume de concreto (C-25) = 6.31 m³
Área de forma = 92.73 m²

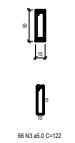
NOTAS:

- Concreto C25:
- Aço CA50:
- Cobrimento: lajes = 2,0 cm; vigas = 2,5 cm; pilares = 2,5 cm; sapatas = 5,0 cm;

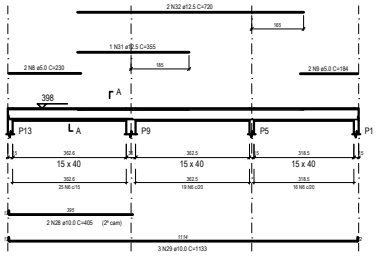
V1-4 (15 x 50)
Esc.: 1:50



SEÇÃO A-A
Esc.: 1:25

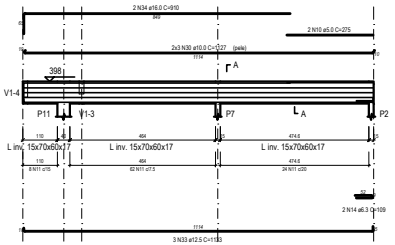


V1-5 (15 x 40)
Esc.: 1:50

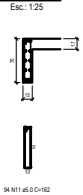


SEÇÃO A-A
Esc.: 1:25

V1-6 (L inv. 15x70x60x17)
Esc.: 1:50

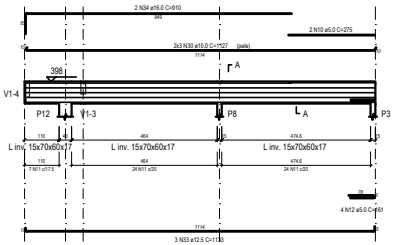


SEÇÃO A-A
Esc.: 1:25

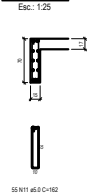


As costura 1.5 cm2/m

V1-7 (L inv. 15x70x60x17)
Esc.: 1:50

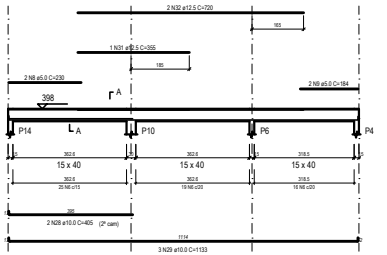


SEÇÃO A-A
Esc.: 1:25

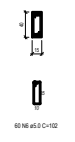


As costura 1.5 cm2/m

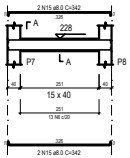
V1-8 (15 x 40)
Esc.: 1:50



SEÇÃO A-A
Esc.: 1:25



V1-9 (15 x 40)
Esc.: 1:50



SEÇÃO A-A
Esc.: 1:25

MINISTÉRIO DA DEFESA
COMANDO MILITAR DO NORDESTE
1° GRUPAMENTO DE ENGENHARIA DE CONSTRUÇÃO
2° BATALHÃO DE ENGENHARIA DE CONTRUÇÃO
BATALHÃO HERÓIS DO JENIPAPO

OBRA
ALOJAMENTO BANDA DE MÚSICA 25BC

FOLHA

ASSUNTO
PROJETO DE VIGAS DO 1º PAVIMENTO

RESPONSÁVEL

LOCAL
QUARTEL DO 25º BC, PRAÇA MARECHAL FLORIANO PEIXOTO, TERESINA-PI

PROJETO

DESENHO | DATA | ESCALA 06/07