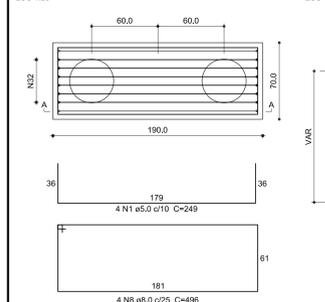
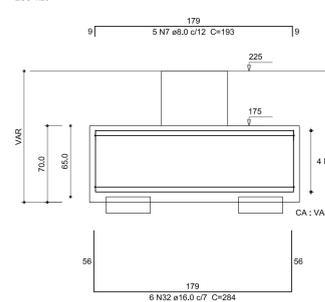


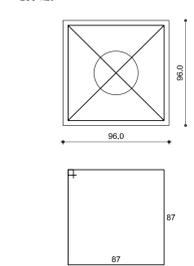
B2=B10
2xC40
PLANTA
ESC 1:25



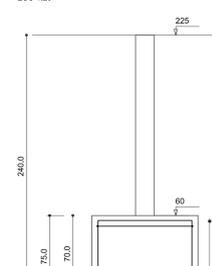
CORTE A-A
ESC 1:25



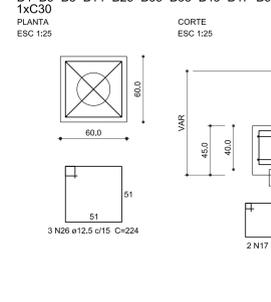
B3
1xC40
PLANTA
ESC 1:25



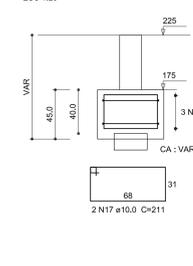
CORTE
ESC 1:25



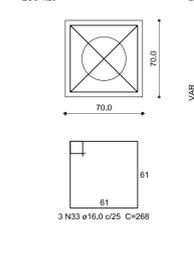
B4=B5=B8=B14=B25=B35=B38=B43=B47=B50
1xC30
PLANTA
ESC 1:25



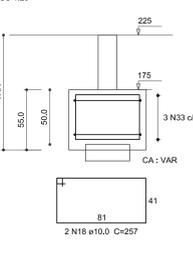
CORTE
ESC 1:25



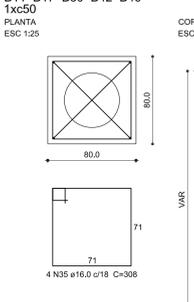
B9=B45
1xC40
PLANTA
ESC 1:25



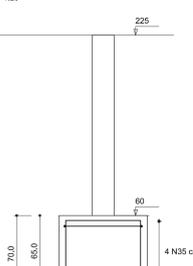
CORTE
ESC 1:25



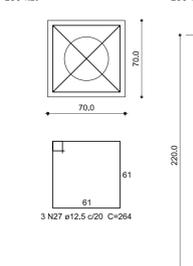
B11=B17=B30=B42=B46
1xC50
PLANTA
ESC 1:25



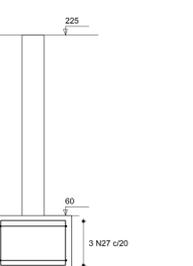
CORTE
ESC 1:25



B12
1xC40
PLANTA
ESC 1:25



CORTE
ESC 1:25



Relação do aço

ACO	N	DIAM (mm)	QUANT	CJUNT (cm)	C.TOTAL (cm)
B3	5815	2x821	14823		
B3	5830	B33	3x336		
B3	2x845	2x840	10x843		
B3	2x854	B48	4x853		
CA50	1	5,0	28	249	6972
CA50	2	5,0	28	289	8052
CA50	3	5,0	20	209	4180
CA50	4	5,0	10	149	1490
CA50	5	6,3	17	396	6732
CA50	6	6,3	15	150	2250
CA50	7	8,0	10	193	1930
CA50	8	8,0	8	496	3968
CA50	9	8,0	16	217	3472
CA50	10	8,0	20	153	3060
CA50	11	8,0	16	496	7936
CA50	12	8,0	36	177	6372
CA50	13	8,0	2	232	464
CA50	14	8,0	12	596	7152
CA50	15	10,0	2	375	750
CA50	16	10,0	5	361	1805
CA50	17	10,0	41	238	9758
CA50	18	10,0	4	257	1028
CA50	19	10,0	2	239	478
CA50	20	10,0	41	238	9758
CA50	21	10,0	19	597	11343
CA50	22	10,0	25	158	4950
CA50	23	10,0	15	497	7455
CA50	24	10,0	3	217	651
CA50	25	10,0	2	297	594
CA50	26	12,5	30	224	6720
CA50	27	12,5	11	264	2904
CA50	28	12,5	10	245	2450
CA50	29	12,5	4	296	1184
CA50	30	12,5	18	215	3870
CA50	31	12,5	4	304	1216
CA50	32	16,0	12	284	3408
CA50	33	16,0	6	268	1608
CA50	34	16,0	10	326	3260
CA50	35	16,0	20	308	6160
CA50	36	16,0	44	324	14256
CA50	37	16,0	40	254	10160
CA50	38	16,0	20	214	4280
CA50	39	16,0	9	304	2736
CA50	40	16,0	20	354	7080

Resumo do aço

ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6,3	89,9	24,2
CA50	8,0	343,6	149,1
CA50	10,0	436,8	292,1
CA50	12,5	183,5	194,4
CA50	16,0	529,5	919,3
CA50	5,0	207,4	35,2
PESO TOTAL (kg)			
CA50		1579,1	
CA60		35,2	
Volume de concreto (C-25) = 25,48 m³			
Área de forma = 110,23 m²			

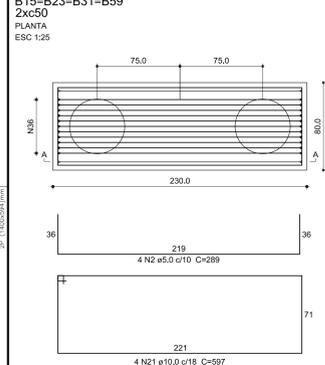
Nota:

- A superfície superior do bloco deve fazer a superfície inferior da viga.

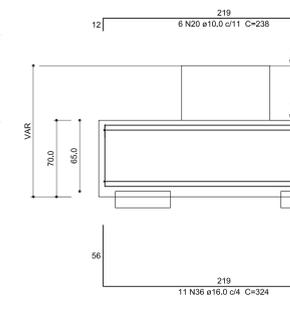
Nota:

- Executar os blocos B53, B55, B58 e B60 no mesmo nível da viga de equilíbrio.

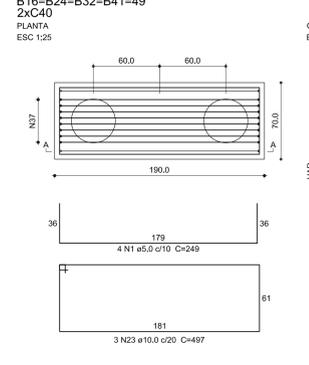
B15=B23=B31=B59
2xC50
PLANTA
ESC 1:25



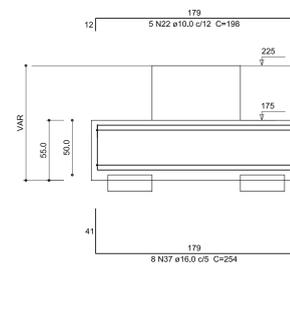
CORTE A-A
ESC 1:25



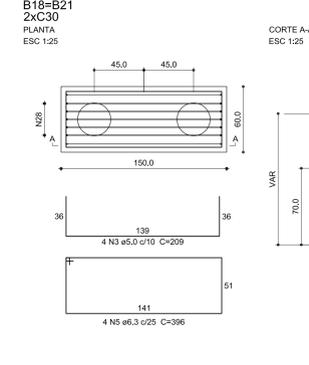
B16=B24=B32=B41=49
2xC40
PLANTA
ESC 1:25



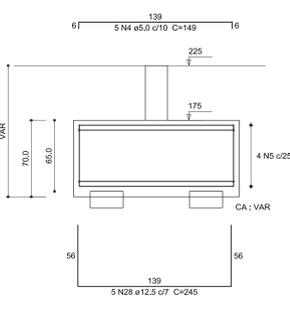
CORTE A-A
ESC 1:25



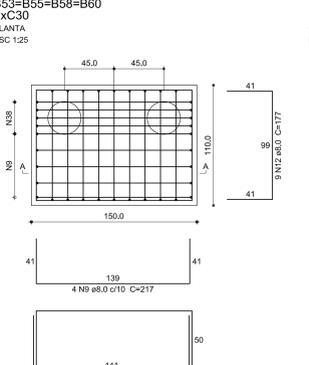
B18=B21
2xC30
PLANTA
ESC 1:25



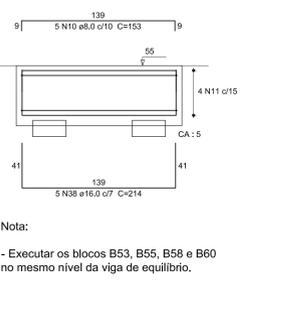
CORTE A-A
ESC 1:25



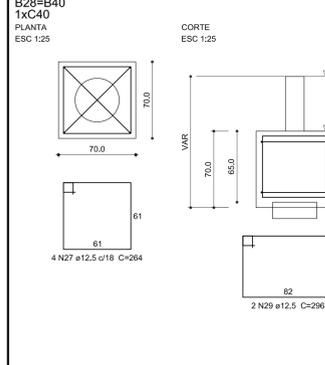
B53=B55=B58=B60
2xC30
PLANTA
ESC 1:25



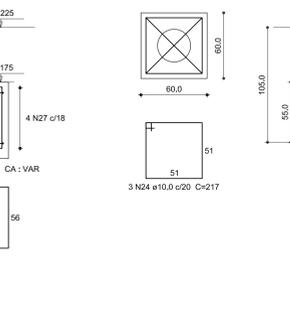
CORTE A-A
ESC 1:25



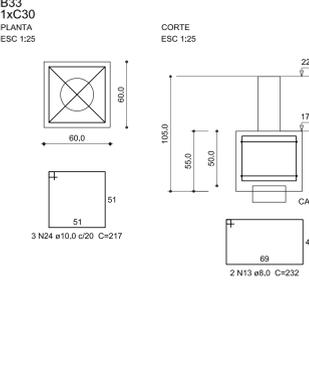
B28=B40
1xC40
PLANTA
ESC 1:25



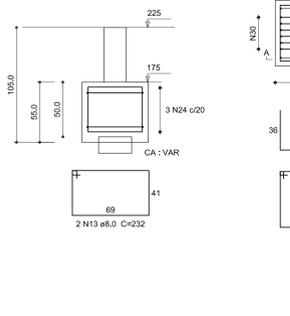
CORTE
ESC 1:25



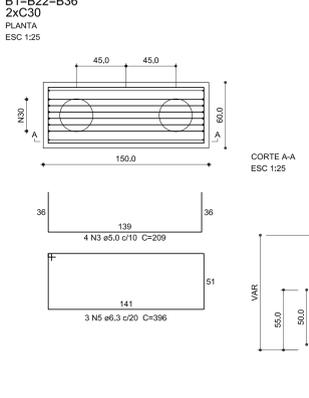
B33
1xC30
PLANTA
ESC 1:25



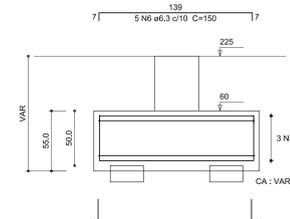
CORTE
ESC 1:25



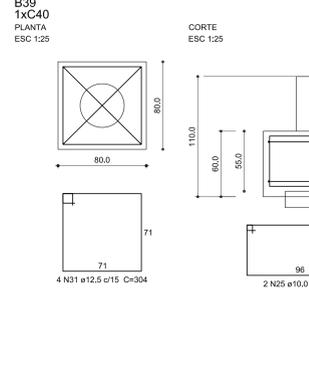
B1=B22=B36
2xC30
PLANTA
ESC 1:25



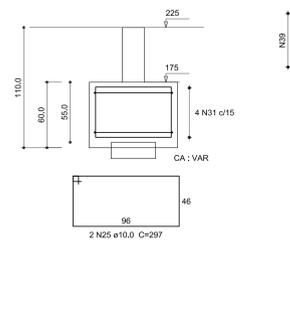
CORTE A-A
ESC 1:25



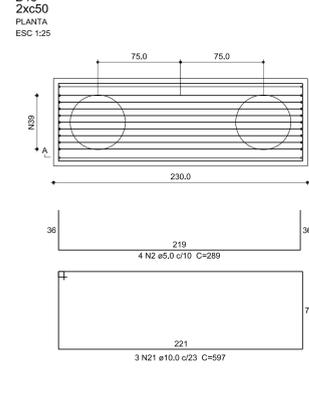
B39
1xC40
PLANTA
ESC 1:25



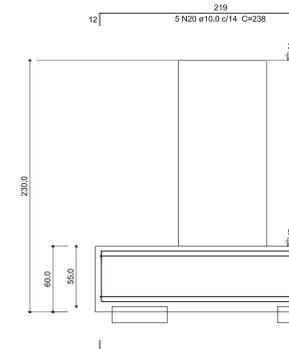
CORTE
ESC 1:25



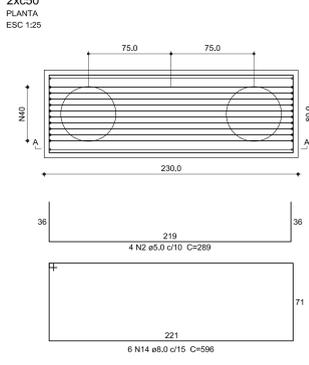
B48
2xC50
PLANTA
ESC 1:25



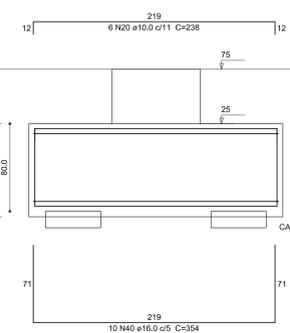
CORTE A-A
ESC 1:25



B29=B54
2xC50
PLANTA
ESC 1:25



CORTE A-A
ESC 1:25



Associação de Municípios do Nordeste do Estado de Santa Catarina
AMUNESC
Engenheiros Responsáveis: GUSTAVO HARGER PAUL, VAGNER BALDIANI

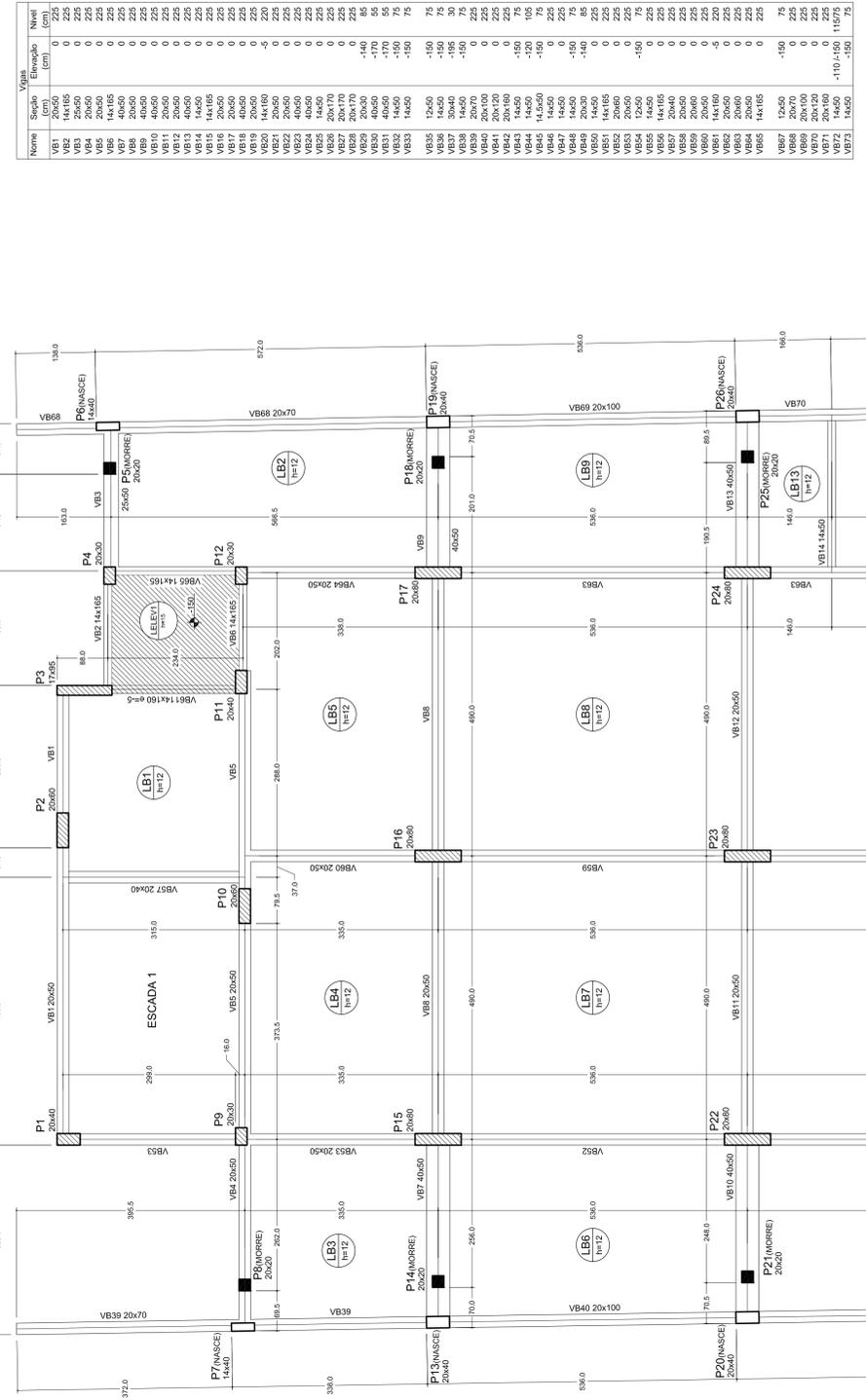
HOSPITAL MUNICIPAL SÃO JOSÉ
PROJETO ESTRUTURAL
Uso: E2.2
Área total: 2.264,55 m²

FUNDO MUNICIPAL DE SAÚDE DE JOINVILLE
Endereço: Rua Doutor Plácido Gomes nº408, Anta Garibaldi - Joinville/SC
Inscrição Imobiliária: 13.20.13.56.1604-000

SECRETARIA DE SAÚDE DO MUNICÍPIO
Gustavo Harger Paul
Engenheiro CIVIL CREA/SC 125201-3

CONTEÚDO DA PRANCHA
DETALHAMENTO DOS BLOCOS
NÚMERO PRJL
EST 02/47

ZP - E2024/24/14



Nome	Tipo	Altura (cm)	Esq. (cm)	Nível (cm)	Subocupação (kgf/cm²)
ESCADA1	Mescla	12	0	-150	400
LB1	Mescla	12	0	225	400
LB2	Mescla	12	0	225	400
LB3	Mescla	12	0	225	400
LB4	Mescla	12	0	225	400
LB5	Mescla	12	0	225	400
LB6	Mescla	12	0	225	400
LB7	Mescla	12	0	225	400
LB8	Mescla	12	0	225	400
LB9	Mescla	12	0	225	400
LB10	Mescla	12	0	225	400
LB11	Mescla	12	0	225	400
LB12	Mescla	12	0	225	400
LB13	Mescla	12	0	225	400
LB14	Mescla	12	0	225	400
LB15	Mescla	12	0	225	400
LB16	Mescla	12	0	225	400
LB17	Mescla	12	0	225	400
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LB53	Mescla	12	0	225	400
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LB95	Mescla	12	0	225	400
LB96	Mescla	12	0	225	400
LB97	Mescla	12	0	225	400
LB98	Mescla	12	0	225	400
LB99	Mescla	12	0	225	400
LB100	Mescla	12	0	225	400

Características dos materiais
 (kgf/cm²)
 250 241500

Forma do Pavto. Térreo

Associação de Municípios do Nordeste do Estado de Santa Catarina
 89216-000 - JOINVILLE - SC - Rua Max Collin, 1843 - América - Fone: 0147 433-3927
 ASSESSORIA E COORDENADORIA DE PLANEJAMENTO URBANO, MUNICIPAL E REGIONAL
 Home page: www.amunesc.org.br

Engenheiros Responsáveis: GUSTAVO HARGER PAUL VAGNER BALDINI

HOSPITAL MUNICIPAL SÃO JOSÉ
 PROJETO ESTRUTURAL
 Uso: E2.2 Área total: 2.264,55 m²

FUNDO MUNICIPAL DE SAÚDE DE JOINVILLE
 Endereço: Rua Doutor Plácido Gomes nº408, Anita Garibaldi - Joinville/SC
 Inscrição Imobiliária: 13.200.13.56.1604-000

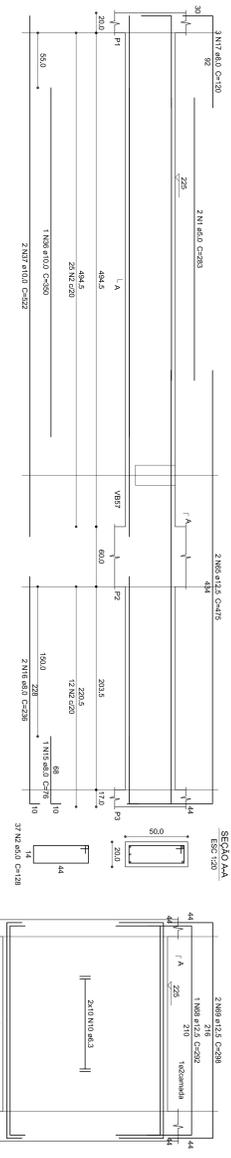
INSTRUMENTAÇÃO: ASINSTRUMENTAÇÃO
 SECRETARIA DE SAÚDE DO MUNICÍPIO

PROJETO: GUSTAVO HARGER PAUL
 Engenheiro Civil CREA/SC 129591-3

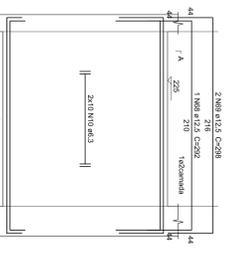
PROJEÇÃO: ASINSTRUMENTAÇÃO

Informações	CONTEÚDO DA PRANCHA	NÚMERO PR.
Nome: Gustavo	FORMA DO PAVTO. TÉRREO	EST 04/47
Escala: 1:50		
Data: Julho de 2015		

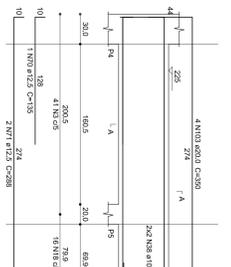
VB1 (20 x 50)



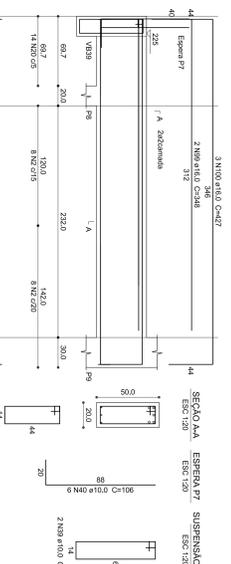
VB2 (14 x 166)



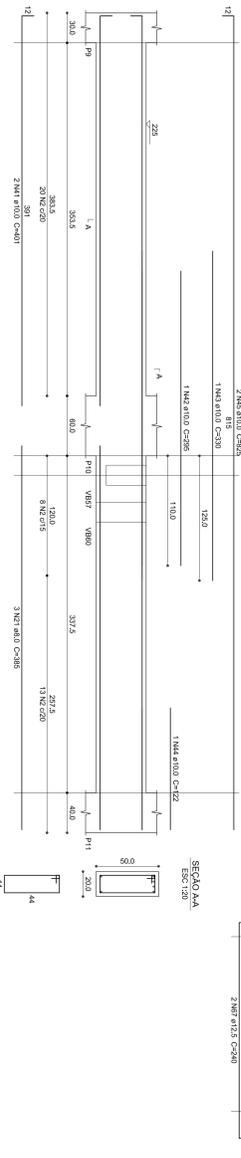
VB3 (25 x 50)



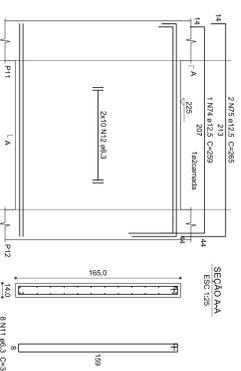
VB4 (20 x 50)



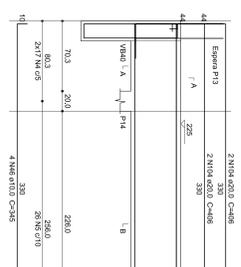
VB5 (20 x 50)



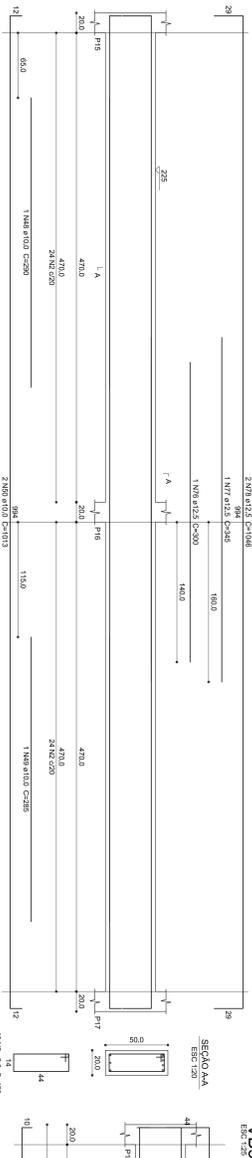
VB6 (14 x 166)



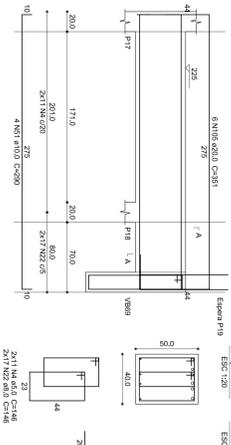
VB7 (40 x 50)



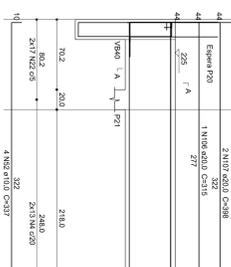
VB8 (20 x 50)



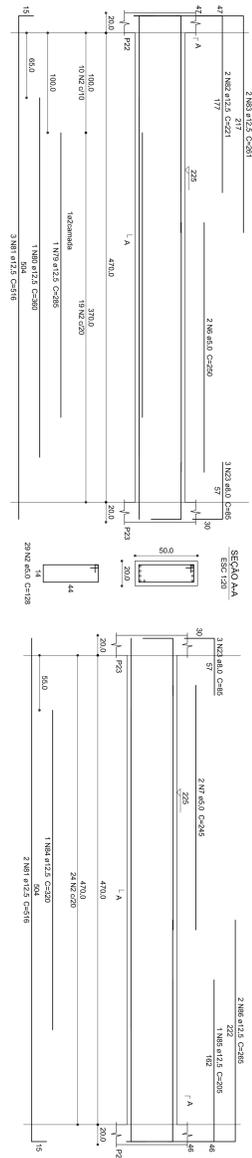
VB9 (40 x 50)



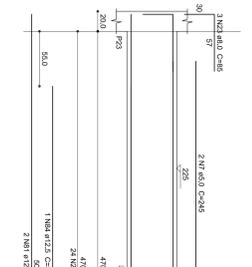
VB10 (40 x 50)



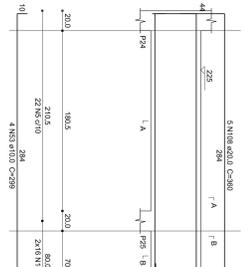
VB11 (20 x 50)



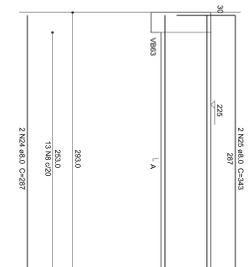
VB12 (20 x 50)



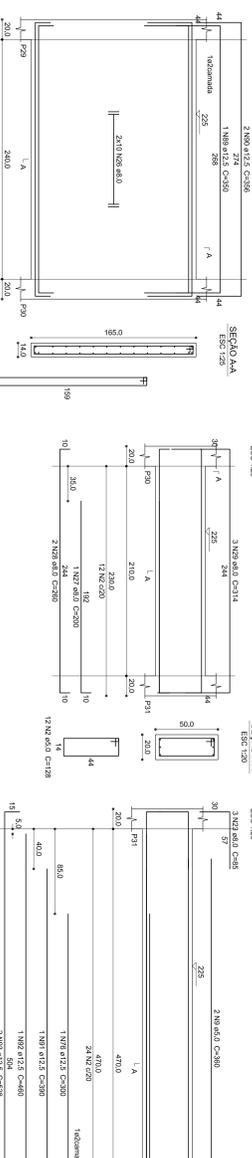
VB13 (40 x 50)



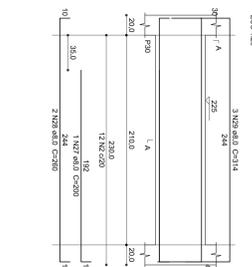
VB14 (14 x 50)



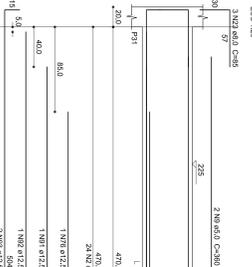
VB15 (14 x 166)



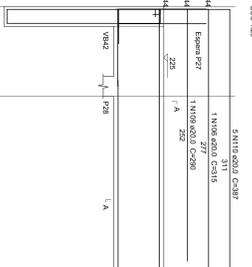
VB16 (20 x 50)



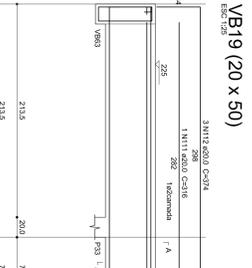
VB17 (20 x 50)



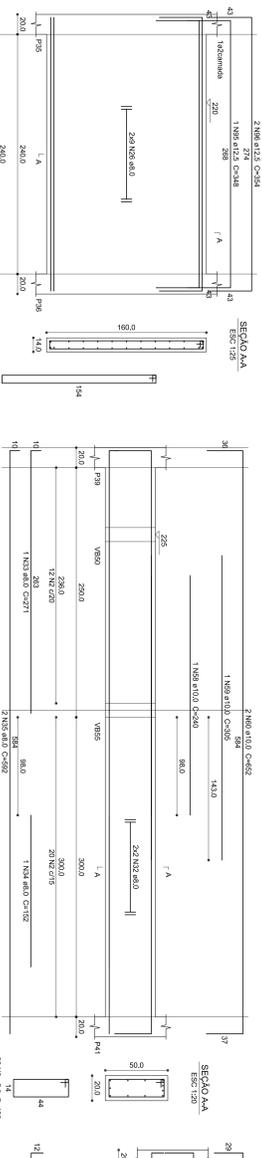
VB18 (40 x 50)



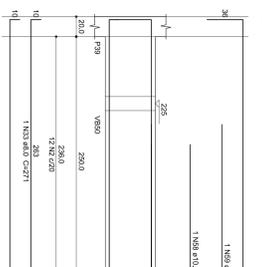
VB19 (20 x 50)



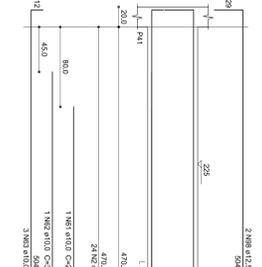
VB20 (14 x 166)



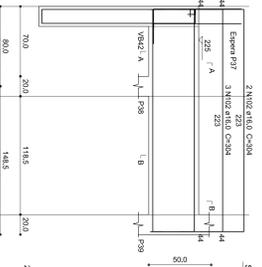
VB21 (20 x 50)



VB22 (20 x 50)



VB23 (40 x 50)



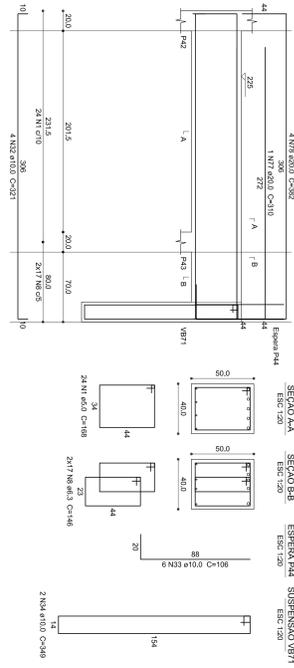
Relação do aço

Table with columns: ACO, DIM, QUANT, CUMUL, CUMUL, TOTAL. Lists steel profiles and their quantities.

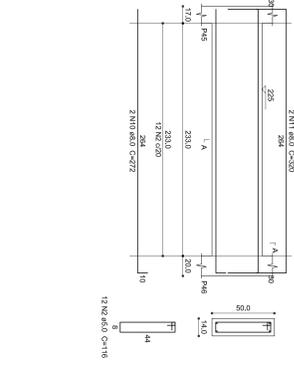
Resumo do aço. Summary table with columns: ACO, DIM, QUANT, PESO 10%, PESO. Lists steel profiles and their weights.

Project information including: Prancha, Identificações e Assinaturas, Terreno, Projeto, Hospitál Municipal São José, Projeto Estrutural, Área total: 2.264,56 m², and company details for Associação de Municípios do Nordeste do Estado de Santa Catarina.

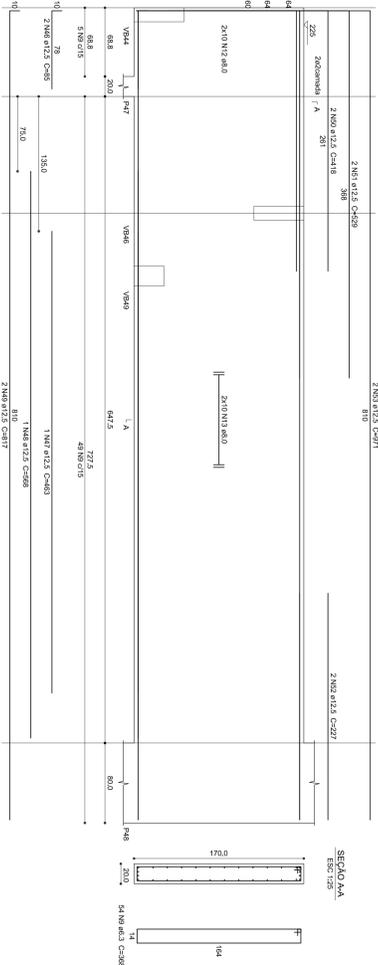
VB24 (40 x 50)



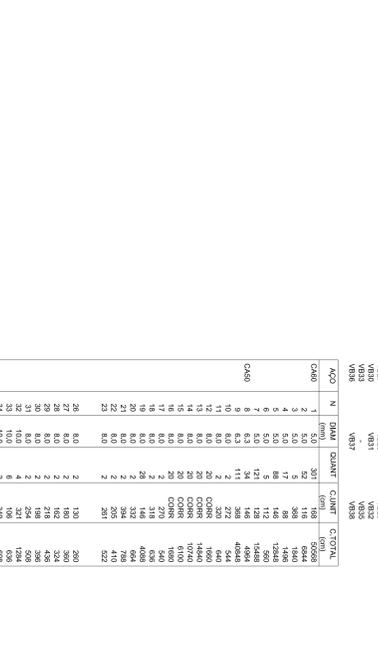
VB25 (14 x 50)



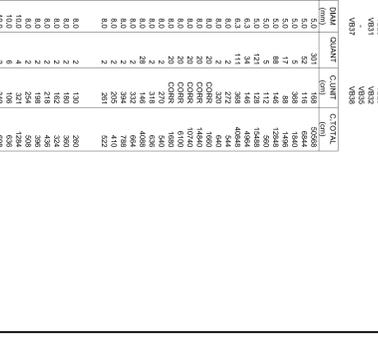
VB26 (20 x 170)



VB27 (20 x 170)



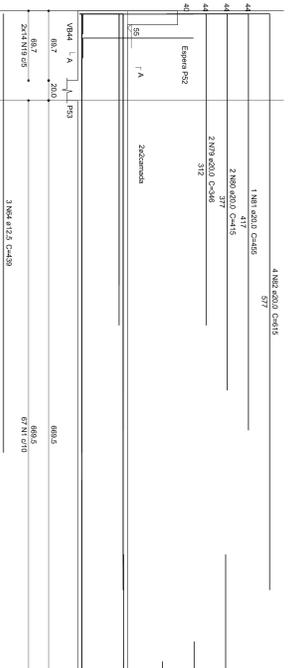
VB28 (20 x 170)



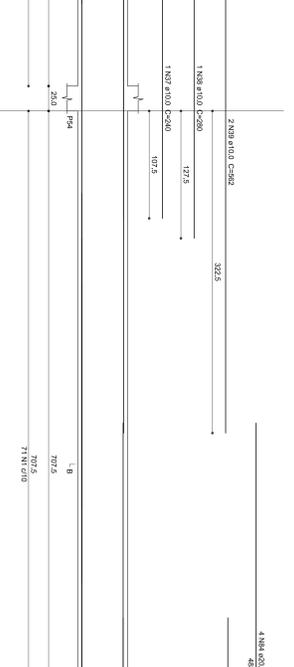
VB29 (20 x 30)



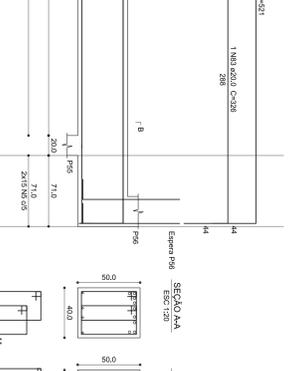
VB30 (40 x 50)



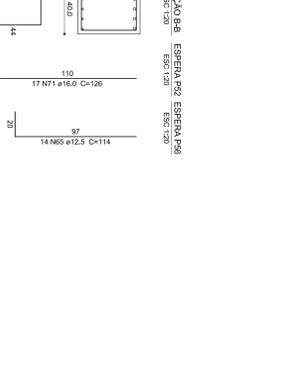
VB31 (40 x 50)



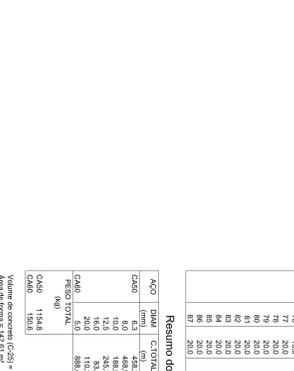
VB32 (14 x 50)



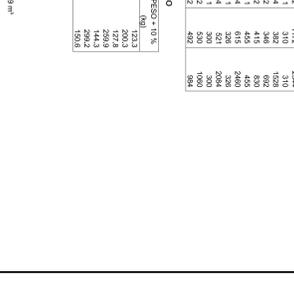
VB33 (14 x 50)



VB34 (14 x 50)



VB35 (12 x 50)



VB36 (14 x 50)



VB37 (30 x 40)

VB38 (14 x 50)



VB39 (14 x 50)



VB40 (14 x 50)

VB41 (14 x 50)

VB42 (14 x 50)

VB43 (14 x 50)

VB44 (14 x 50)

VB45 (14 x 50)

VB46 (14 x 50)

VB47 (14 x 50)

VB48 (14 x 50)

VB49 (14 x 50)

VB50 (14 x 50)

VB51 (14 x 50)

VB52 (14 x 50)

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VB73 (14 x 50)

VB74 (14 x 50)

VB75 (14 x 50)

VB76 (14 x 50)

VB77 (14 x 50)

VB78 (14 x 50)

VB79 (14 x 50)

VB80 (14 x 50)

VB81 (14 x 50)

VB82 (14 x 50)

VB83 (14 x 50)

VB84 (14 x 50)

VB85 (14 x 50)

VB86 (14 x 50)

VB87 (14 x 50)

VB88 (14 x 50)

VB89 (14 x 50)

VB90 (14 x 50)

VB91 (14 x 50)

VB92 (14 x 50)

VB93 (14 x 50)

VB94 (14 x 50)

VB95 (14 x 50)

VB96 (14 x 50)

VB97 (14 x 50)

VB98 (14 x 50)

VB99 (14 x 50)

VB100 (14 x 50)

VB101 (14 x 50)

VB102 (14 x 50)

VB103 (14 x 50)

VB104 (14 x 50)

VB105 (14 x 50)

VB106 (14 x 50)

VB107 (14 x 50)

VB108 (14 x 50)

VB109 (14 x 50)

VB110 (14 x 50)

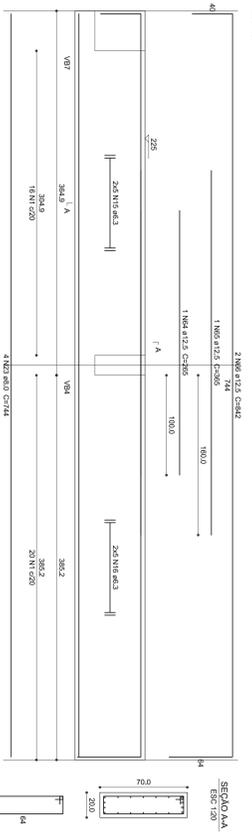
VB111 (14 x 50)

VB112 (14 x 50)

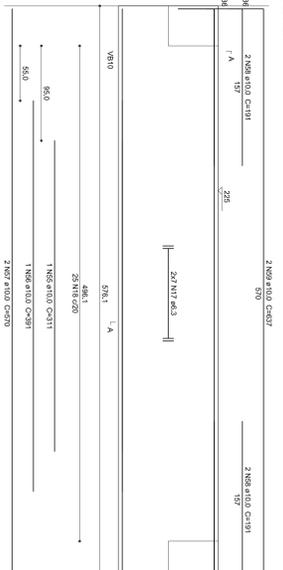
VB113 (14 x 50)

VB114 (14 x 50)

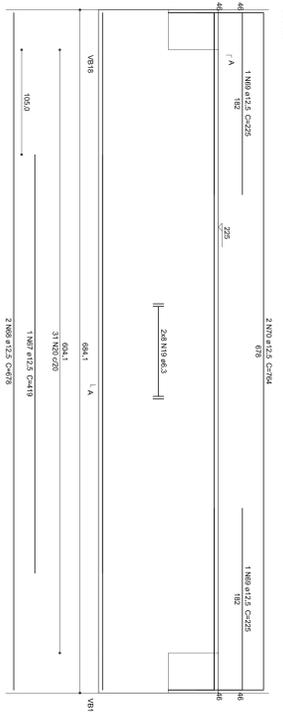
VB39 (20 x 70)



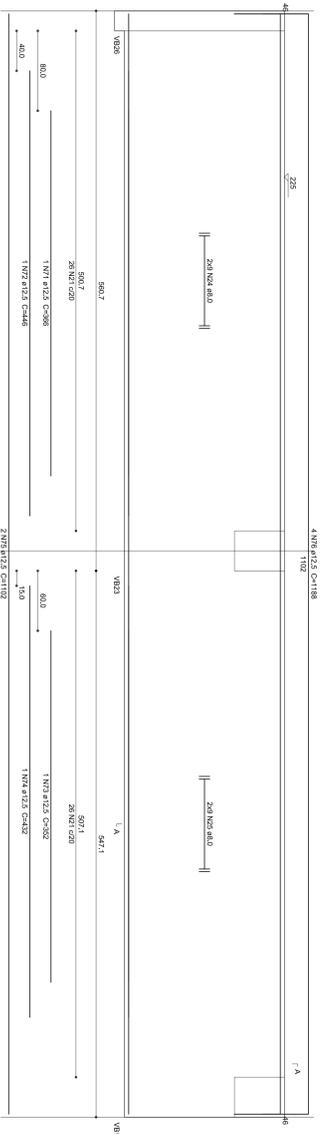
VB40 (20 x 100)



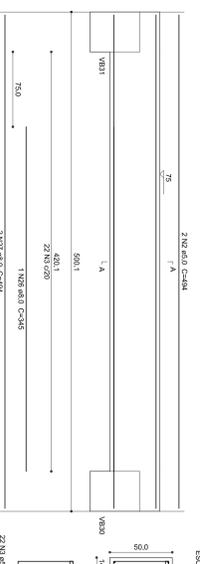
VB41 (20 x 120)



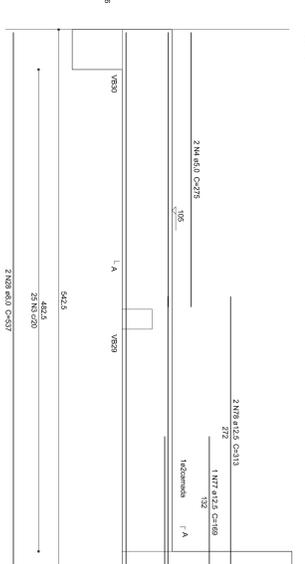
VB42 (20 x 160)



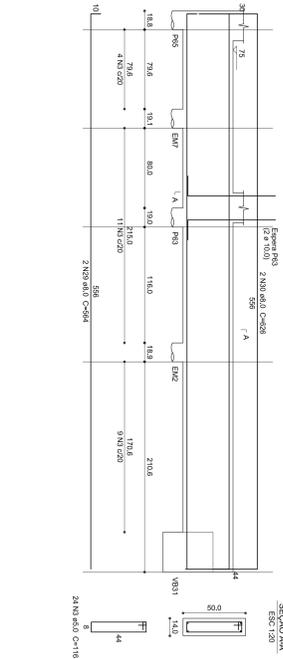
VB43 (14 x 50)



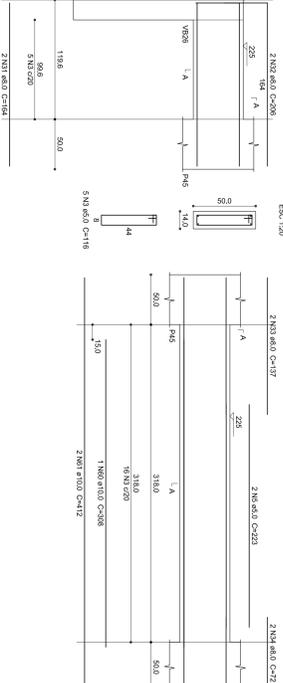
VB44 (14 x 50)



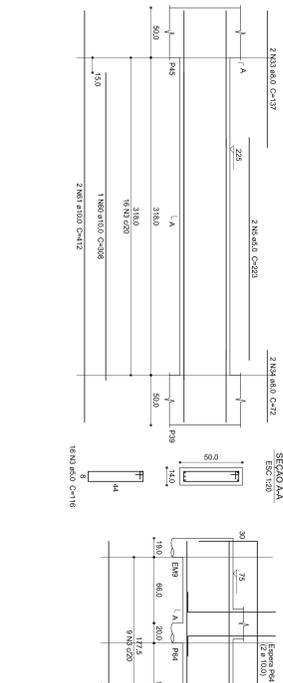
VB45 (14 x 50)



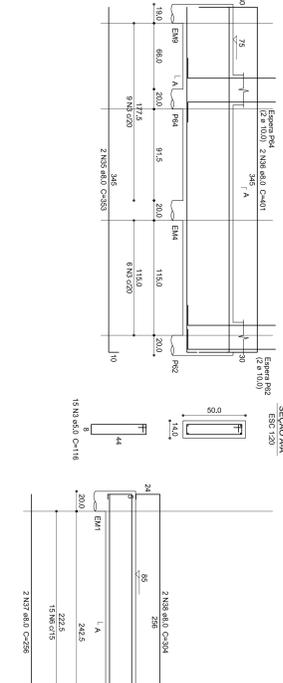
VB46 (14 x 50)



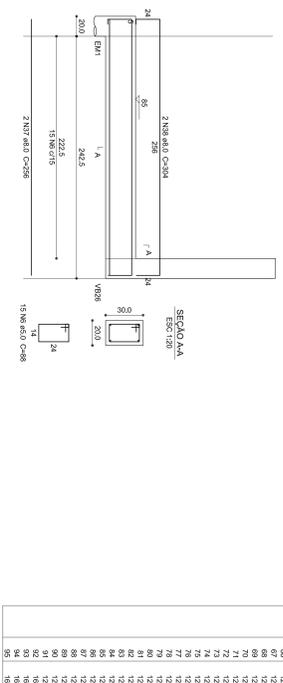
VB47 (14 x 50)



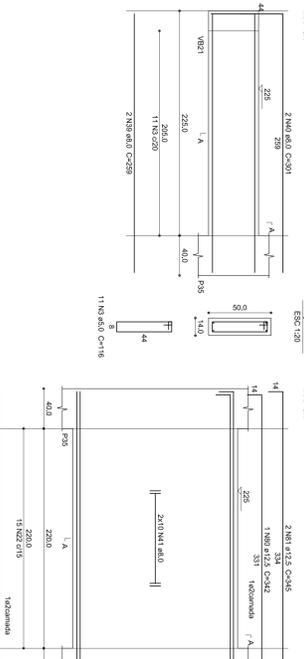
VB48 (14 x 50)



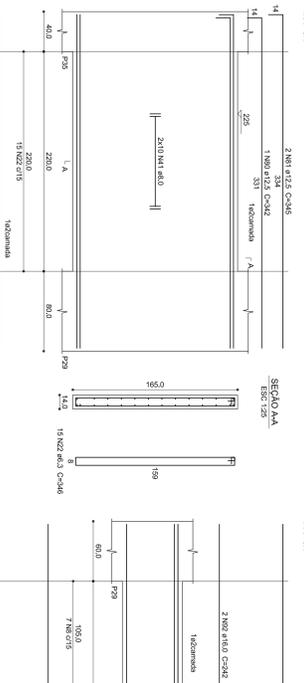
VB49 (20 x 30)



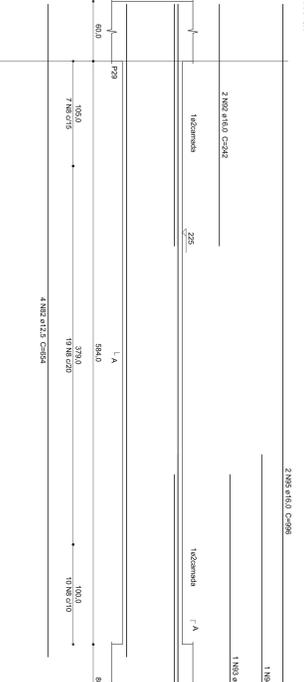
VB50 (14 x 50)



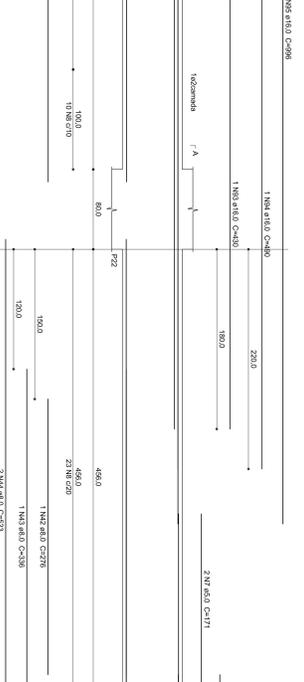
VB51 (14 x 165)



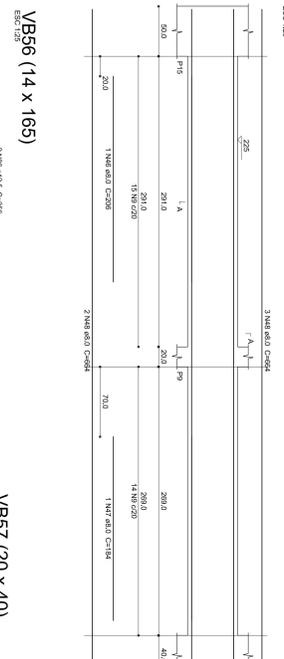
VB52 (20 x 60)



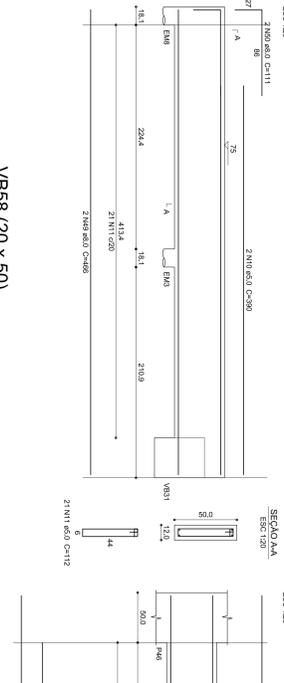
VB53 (20 x 50)



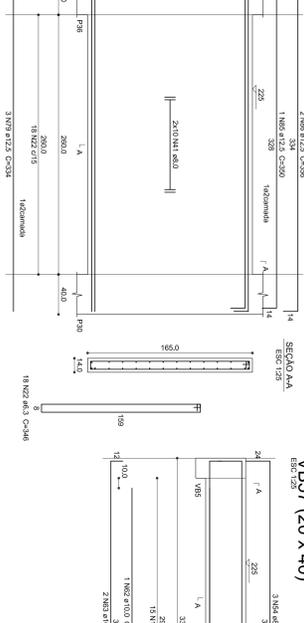
VB54 (12 x 50)



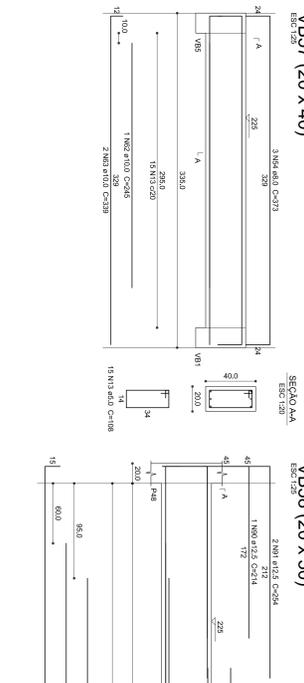
VB55 (14 x 50)



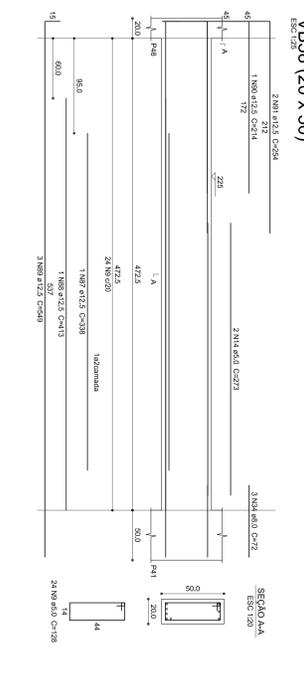
VB56 (14 x 165)



VB57 (20 x 40)



VB58 (20 x 50)



Relatório do aço

ACO	N	DIAM	QUANT	CLASSE	TOTAL
VB39	1	5.0	16	CA50	16
VB40	2	5.0	16	CA50	16
VB41	3	5.0	16	CA50	16
VB42	4	5.0	16	CA50	16
VB43	5	5.0	16	CA50	16
VB44	6	5.0	16	CA50	16
VB45	7	5.0	16	CA50	16
VB46	8	5.0	16	CA50	16
VB47	9	5.0	16	CA50	16
VB48	10	5.0	16	CA50	16
VB49	11	5.0	16	CA50	16
VB50	12	5.0	16	CA50	16
VB51	13	5.0	16	CA50	16
VB52	14	5.0	16	CA50	16
VB53	15	5.0	16	CA50	16
VB54	16	5.0	16	CA50	16
VB55	17	5.0	16	CA50	16
VB56	18	5.0	16	CA50	16
VB57	19	5.0	16	CA50	16
VB58	20	5.0	16	CA50	16
VB59	21	5.0	16	CA50	16
VB60	22	5.0	16	CA50	16
VB61	23	5.0	16	CA50	16
VB62	24	5.0	16	CA50	16
VB63	25	5.0	16	CA50	16
VB64	26	5.0	16	CA50	16
VB65	27	5.0	16	CA50	16
VB66	28	5.0	16	CA50	16
VB67	29	5.0	16	CA50	16
VB68	30	5.0	16	CA50	16
VB69	31	5.0	16	CA50	16
VB70	32	5.0	16	CA50	16
VB71	33	5.0	16	CA50	16
VB72	34	5.0	16	CA50	16
VB73	35	5.0	16	CA50	16
VB74	36	5.0	16	CA50	16
VB75	37	5.0	16	CA50	16
VB76	38	5.0	16	CA50	16
VB77	39	5.0	16	CA50	16
VB78	40	5.0	16	CA50	16
VB79	41	5.0	16	CA50	16
VB80	42	5.0	16	CA50	16
VB81	43	5.0	16	CA50	16
VB82	44	5.0	16	CA50	16
VB83	45	5.0	16	CA50	16
VB84	46	5.0	16	CA50	16
VB85	47	5.0	16	CA50	16
VB86	48	5.0	16	CA50	16
VB87	49	5.0	16	CA50	16
VB88	50	5.0	16	CA50	16
VB89	51	5.0	16	CA50	16
VB90	52	5.0	16	CA50	16
VB91	53	5.0	16	CA50	16
VB92	54	5.0	16	CA50	16
VB93	55	5.0	16	CA50	16
VB94	56	5.0	16	CA50	16
VB95	57	5.0	16	CA50	16
VB96	58	5.0	16	CA50	16
VB97	59	5.0	16	CA50	16
VB98	60	5.0	16	CA50	16
VB99	61	5.0	16	CA50	16
VB100	62	5.0	16	CA50	16
VB101	63	5.0	16	CA50	16
VB102	64	5.0	16	CA50	16
VB103	65	5.0	16	CA50	16
VB104	66	5.0	16	CA50	16
VB105	67	5.0	16	CA50	16
VB106	68	5.0	16	CA50	16
VB107	69	5.0	16	CA50	16
VB108	70	5.0	16	CA50	16
VB109	71	5.0	16	CA50	16
VB110	72	5.0	16	CA50	16
VB111	73	5.0	16	CA50	16
VB112	74	5.0	16	CA50	16
VB113	75	5.0	16	CA50	16
VB114	76	5.0	16	CA50	16
VB115	77	5.0	16	CA50	16
VB116	78	5.0	16	CA50	16
VB117	79	5.0	16	CA50	16
VB118	80	5.0	16	CA50	16
VB119	81	5.0	16	CA50	16
VB120	82	5.0	16	CA50	16
VB121	83	5.0	16	CA50	16
VB122	84	5.0	16	CA50	16
VB123	85	5.0	16	CA50	16
VB124	86	5.0	16	CA50	16
VB125	87	5.0	16	CA50	16
VB126	88	5.0	16	CA50	16
VB127	89	5.0	16	CA50	16
VB128	90	5.0	16	CA50	16
VB129	91	5.0	16	CA50	16
VB130	92	5.0	16	CA50	16
VB131	93	5.0	16	CA50	16
VB132	94	5.0	16	CA50	16
VB133	95	5.0	16	CA50	16
VB134	96	5.0	16	CA50	16
VB135	97	5.0	16	CA50	16
VB136	98	5.0	16	CA50	16
VB137	99	5.0	16	CA50	16
VB138	100	5.0	16	CA50	16

Resumo do aço

ACO	DIAM	QTD	PREÇO UNIT	PREÇO TOTAL
CA50	5.0	600.3	2.98	1789.7
CA50	10.0	10.0	50.4	463.6
CA50	12.5	20.4	26.3	536.5
CA50	15.0	4.3	78.3	336.5
CA50	17.5	0.7	80.7	56.5
CA50	8.147			

Valor de concreto (C25) = 1464 m³

Área de forma = 1832,0 m²

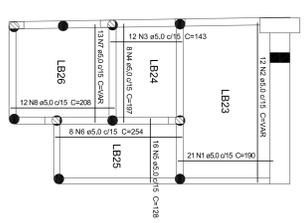


Associação de Municípios do Nordeste do Estado de Santa Catarina
 RUA DO COMÉRCIO, 100 - FLORES - FONE: (51) 3633-1111
 Avenida Itália - Fone: (51) 3633-1111
 Avenida Itália - Fone: (51) 3633-1111

HOSPITAL MUNICIPAL SÃO JOSÉ
PROJETO ESTRUTURAL
 Área total: 2.284,56 m²

Projeto: Usor E2.2
 Fundação: FUNDO MUNICIPAL DE SAÚDE DE JOINVILLE
 Implantação: 13/03/2018

Prancha: Identificações e Assinaturas
 VIGAS DO PAVTO, TERREO (3)
 ESTADO: SC
 DATA: 07/147



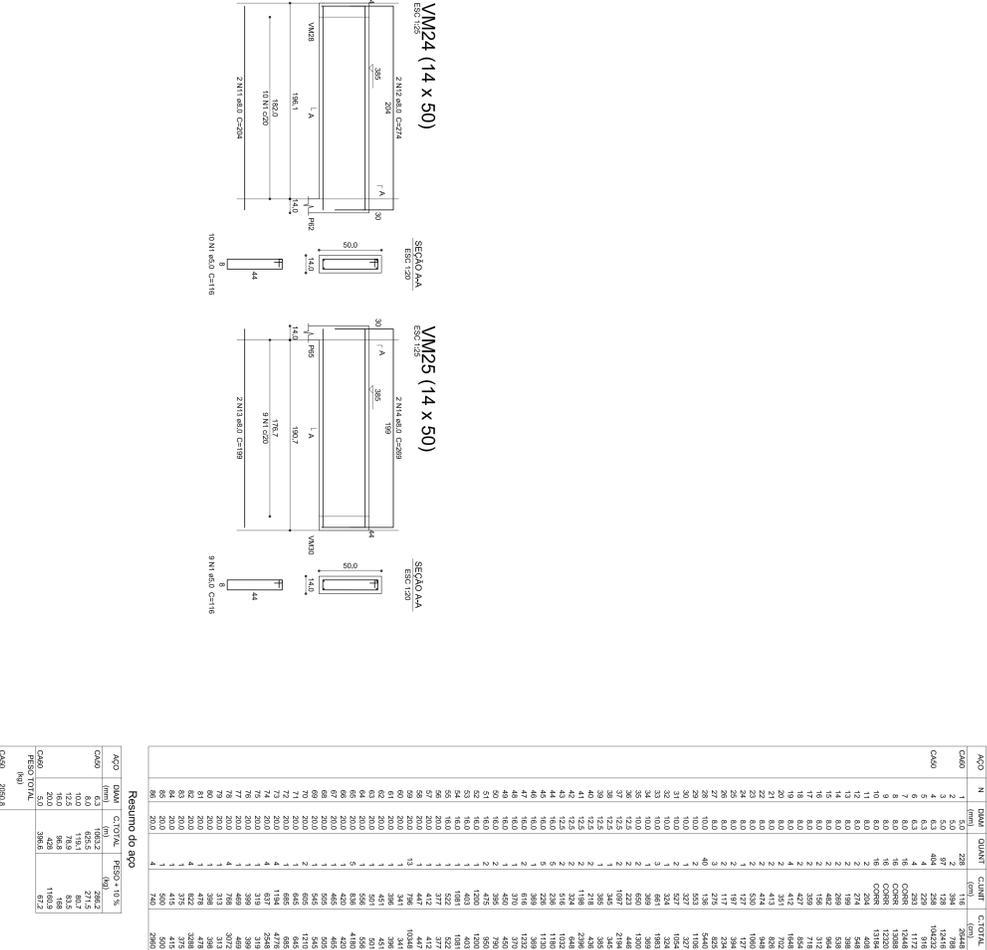
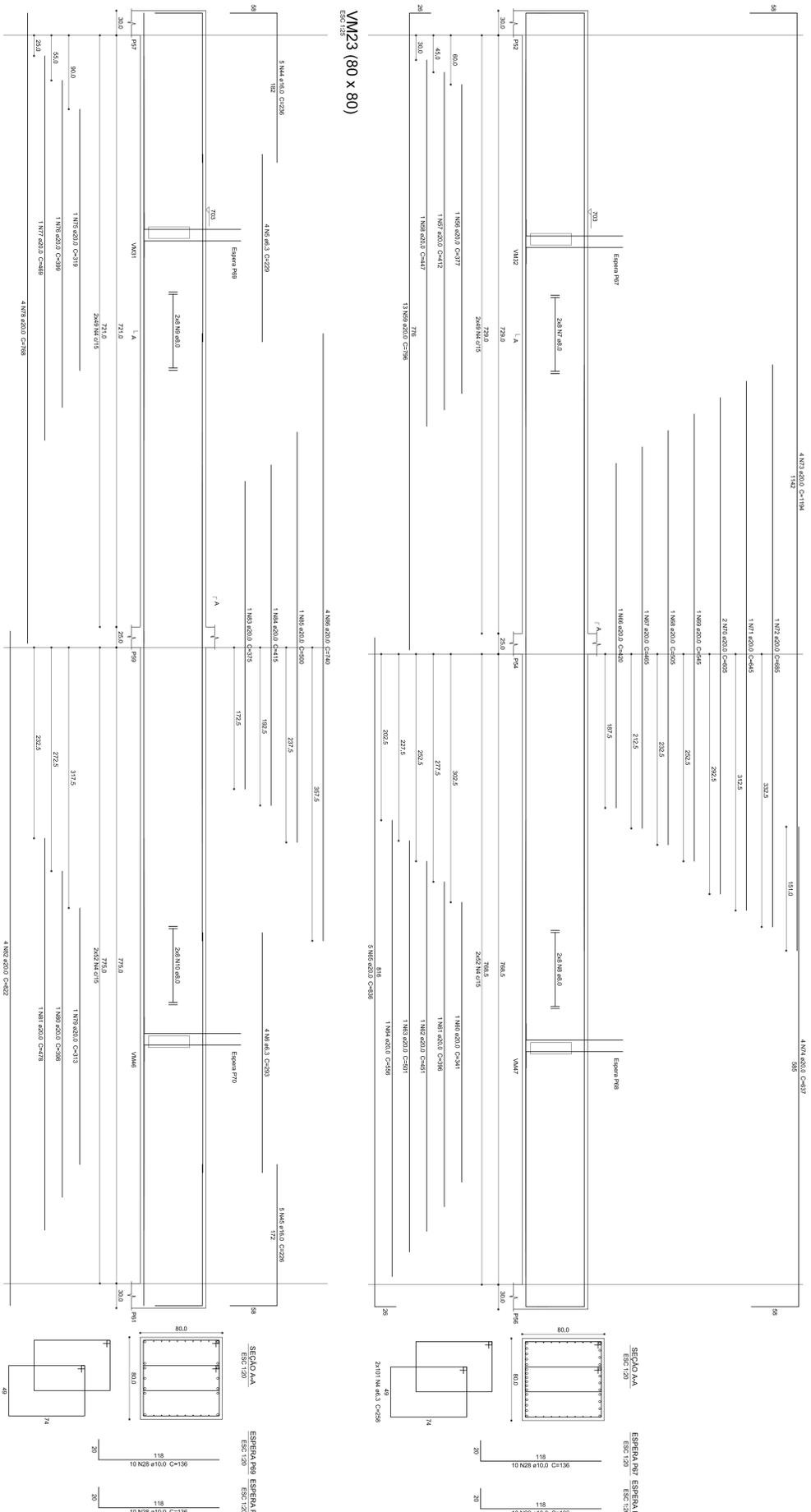
Armação Positiva das Lajes do Pavto. Térreo

Relatório do aço

ACO	N	DIAM	QUANT	CANT	C.TOTAL
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
CA50	2	8.0	12	VAR	VAR
	4	8.0	8	VAR	1518
	5	8.0	16	VAR	2048
	7	8.0	13	VAR	1048
	9	8.0	16	VAR	1280
	10	8.0	16	VAR	1280
	12	8.0	16	VAR	1280
	14	8.0	16	VAR	1280
	15	8.0	16	VAR	1280
	17	8.0	16	VAR	1280
	19	8.0	16	VAR	1280
	20	8.0	16	VAR	1280
	22	8.0	16	VAR	1280
	24	8.0	16	VAR	1280
	26	8.0	16	VAR	1280
	28	8.0	16	VAR	1280
	30	8.0	16	VAR	1280
	32	8.0	16	VAR	1280
	34	8.0	16	VAR	1280
	36	8.0	16	VAR	1280
	38	8.0	16	VAR	1280
	40	8.0	16	VAR	1280
	42	8.0	16	VAR	1280
	44	8.0	16	VAR	1280
	46	8.0	16	VAR	1280
	48	8.0	16	VAR	1280
	50	8.0	16	VAR	1280
	52	8.0	16	VAR	1280
	54	8.0	16	VAR	1280
	56	8.0	16	VAR	1280
	58	8.0	16	VAR	1280
	60	8.0	16	VAR	1280
	62	8.0	16	VAR	1280
	64	8.0	16	VAR	1280
	66	8.0	16	VAR	1280
	68	8.0	16	VAR	1280
	70	8.0	16	VAR	1280
	72	8.0	16	VAR	1280
	74	8.0	16	VAR	1280
	76	8.0	16	VAR	1280
	78	8.0	16	VAR	1280
	80	8.0	16	VAR	1280
	82	8.0	16	VAR	1280
	84	8.0	16	VAR	1280
	86	8.0	16	VAR	1280
	88	8.0	16	VAR	1280
	90	8.0	16	VAR	1280
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	102	8.0	16	VAR	1280
	104	8.0	16	VAR	1280
	106	8.0	16	VAR	1280
	108	8.0	16	VAR	1280
	110	8.0	16	VAR	1280
	112	8.0	16	VAR	1280
	114	8.0	16	VAR	1280
	116	8.0	16	VAR	1280
	118	8.0	16	VAR	1280
	120	8.0	16	VAR	1280
	122	8.0	16	VAR	1280
	124	8.0	16	VAR	1280
	126	8.0	16	VAR	1280
	128	8.0	16	VAR	1280
	130	8.0	16	VAR	1280
	132	8.0	16	VAR	1280
	134	8.0	16	VAR	1280
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	426	8.0	16	VAR	1280
	428	8.0	16	VAR	1280
	430	8.0	16	VAR	1280
	432	8.0	16	VAR	

Relação do aço

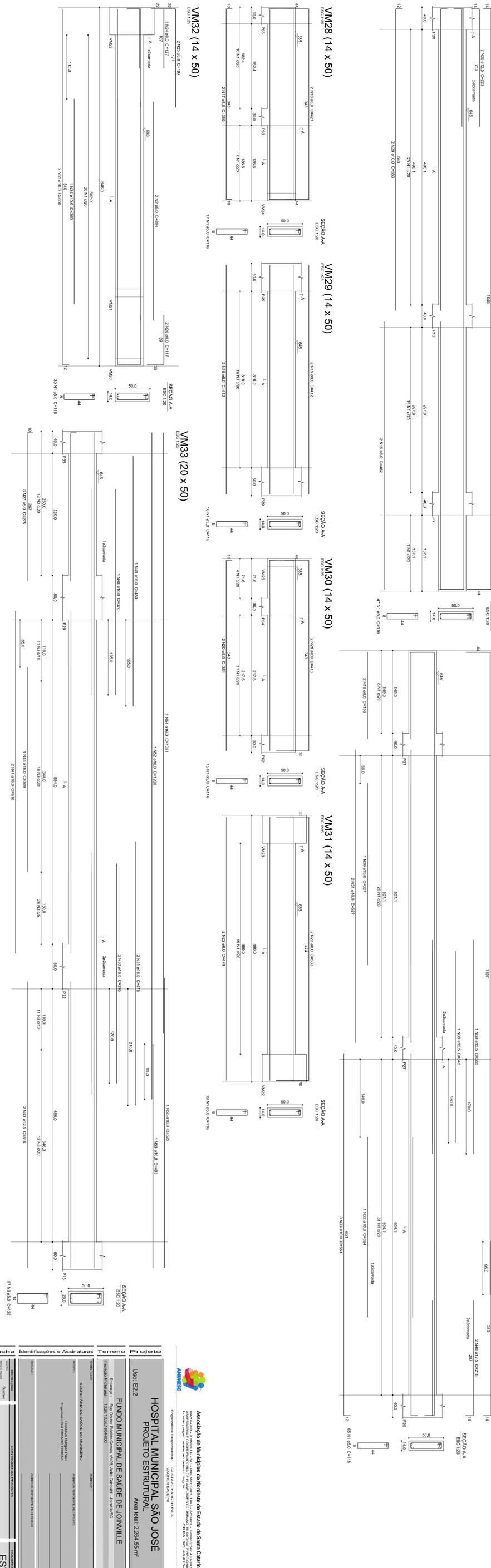
ACO	N	FORMA	QUANT.	CLASSE	C/CONT.
(mm)			(mm)		(mm)
VM22	1	80 x 80	228	A1	22488
VM23	1	80 x 80	87	A1	12418
VM24	1	80 x 80	4	A1	228
VM25	1	80 x 80	4	A1	228
VM26	1	80 x 80	4	A1	228
VM27	1	80 x 80	4	A1	228
VM28	1	80 x 80	4	A1	228
VM29	1	80 x 80	4	A1	228
VM30	1	80 x 80	4	A1	228
VM31	1	80 x 80	4	A1	228
VM32	1	80 x 80	4	A1	228
VM33	1	80 x 80	4	A1	228
VM34	1	80 x 80	4	A1	228
VM35	1	80 x 80	4	A1	228
VM36	1	80 x 80	4	A1	228
VM37	1	80 x 80	4	A1	228
VM38	1	80 x 80	4	A1	228
VM39	1	80 x 80	4	A1	228
VM40	1	80 x 80	4	A1	228
VM41	1	80 x 80	4	A1	228
VM42	1	80 x 80	4	A1	228
VM43	1	80 x 80	4	A1	228
VM44	1	80 x 80	4	A1	228
VM45	1	80 x 80	4	A1	228
VM46	1	80 x 80	4	A1	228
VM47	1	80 x 80	4	A1	228
VM48	1	80 x 80	4	A1	228
VM49	1	80 x 80	4	A1	228
VM50	1	80 x 80	4	A1	228
VM51	1	80 x 80	4	A1	228
VM52	1	80 x 80	4	A1	228
VM53	1	80 x 80	4	A1	228
VM54	1	80 x 80	4	A1	228
VM55	1	80 x 80	4	A1	228
VM56	1	80 x 80	4	A1	228
VM57	1	80 x 80	4	A1	228
VM58	1	80 x 80	4	A1	228
VM59	1	80 x 80	4	A1	228
VM60	1	80 x 80	4	A1	228
VM61	1	80 x 80	4	A1	228
VM62	1	80 x 80	4	A1	228
VM63	1	80 x 80	4	A1	228
VM64	1	80 x 80	4	A1	228
VM65	1	80 x 80	4	A1	228
VM66	1	80 x 80	4	A1	228
VM67	1	80 x 80	4	A1	228
VM68	1	80 x 80	4	A1	228
VM69	1	80 x 80	4	A1	228
VM70	1	80 x 80	4	A1	228
VM71	1	80 x 80	4	A1	228
VM72	1	80 x 80	4	A1	228
VM73	1	80 x 80	4	A1	228
VM74	1	80 x 80	4	A1	228
VM75	1	80 x 80	4	A1	228
VM76	1	80 x 80	4	A1	228
VM77	1	80 x 80	4	A1	228
VM78	1	80 x 80	4	A1	228
VM79	1	80 x 80	4	A1	228
VM80	1	80 x 80	4	A1	228
VM81	1	80 x 80	4	A1	228
VM82	1	80 x 80	4	A1	228
VM83	1	80 x 80	4	A1	228
VM84	1	80 x 80	4	A1	228
VM85	1	80 x 80	4	A1	228
VM86	1	80 x 80	4	A1	228
VM87	1	80 x 80	4	A1	228
VM88	1	80 x 80	4	A1	228
VM89	1	80 x 80	4	A1	228
VM90	1	80 x 80	4	A1	228
VM91	1	80 x 80	4	A1	228
VM92	1	80 x 80	4	A1	228
VM93	1	80 x 80	4	A1	228
VM94	1	80 x 80	4	A1	228
VM95	1	80 x 80	4	A1	228
VM96	1	80 x 80	4	A1	228
VM97	1	80 x 80	4	A1	228
VM98	1	80 x 80	4	A1	228
VM99	1	80 x 80	4	A1	228
VM100	1	80 x 80	4	A1	228



Resumo do aço

ACO	QUANT.	C/CONT.	RESQ* 10%
CA00	63	1033,2	288,2
CA01	400	1033,1	288,1
CA02	425	718,9	61,5
CA03	200	498	108,9
CA04	10	266,8	87,2
CA05	2890,5		
CA06	67,2		

Volume do concreto (C=25) = 25,32 m³
 Área da armação = 152,99 m²



Associação de Municípios do Nordeste do Estado de Santa Catarina

Endereço: Rua Doutor Paulo Otonari nº 100, Vila Cardeal - Joinville/SC
 Fone: (51) 3333-1000
 E-mail: amn@amnsc.org.br

Projeto

Usos: E2.2

HOSPITAL MUNICIPAL SÃO JOSÉ PROJETLO ESTRUTURAL

Área total: 2.284,55 m²

Identificações e Assinaturas

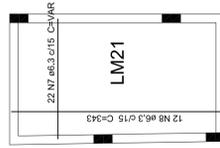
Elaborado: Flávio Roberto de Souza
 Desenhado: Flávio Roberto de Souza
 Aprovado: Flávio Roberto de Souza

Prancha

VIGAS DO PAVTO. MEZANINO (2)

ESTRUTURAL

13/47



Relação do aço

Posições	ACO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
	CA50	1	6.3	15	328	4920
		2	6.3	13	149	1937
		3	6.3	13	270	1890
		4	6.3	15	150	2250
		5	6.3	15	150	2250
		6	6.3	15	150	2250
		7	6.3	22	12	264
		8	6.3	12	343	4116
		9	6.3	12	242	2904
		10	8.0	11	VAR	VAR
		11	8.0	17	VAR	VAR
		12	8.0	17	VAR	VAR
		13	8.0	17	VAR	VAR
		14	8.0	19	489	9402
		15	8.0	28	539	10092
		16	8.0	28	539	10092
		17	8.0	15	630	9450
		18	8.0	12	595	7140
		19	8.0	12	595	7140
		20	8.0	12	595	7140
		21	8.0	5	361	1805
		22	8.0	34	561	19154
		23	8.0	23	VAR	VAR
		24	8.0	15	529	7935
		25	8.0	15	529	7935
		26	10.0	64	342	21888
		27	10.0	17	594	6598
		28	10.0	17	594	6598
		29	10.0	26	VAR	VAR
		30	10.0	51	534	27234
		31	10.0	134	488	65104
		32	10.0	31	VAR	VAR
		33	10.0	31	VAR	VAR
		34	10.0	32	633	20256
		35	10.0	13	652	8476
		36	10.0	13	652	8476
		37	10.0	12	VAR	VAR
		38	10.0	17	229	3893
		39	10.0	17	229	3893
		40	10.0	17	229	3893
		41	10.0	25	316	7925

Resumo do aço

ACO	DIAM (mm)	C.TOTAL (m)	PESO * 10 % (kg)
CA50	6.3	10.0	152.5
	8.0	10.0	126.3
	10.0	27.77	456.3
			1883.3

Volume de concreto (C.25) = 46.3 m³
 Área de forma = 279.13 m²

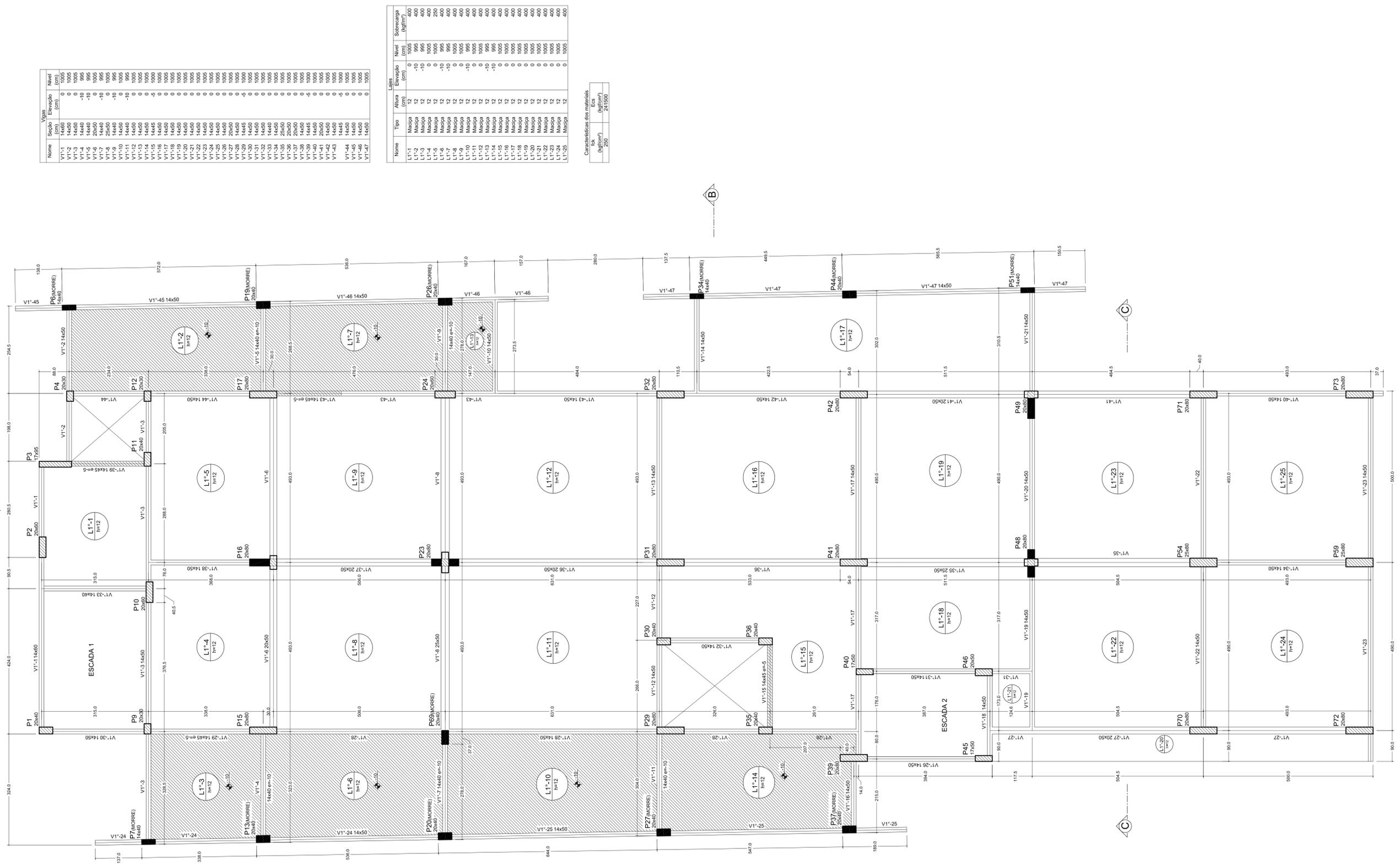
Armação Positiva das Lajes do Pavto. Mezanino

Associação de Municípios do Nordeste do Estado de Santa Catarina
 89216-000 - JOINVILLE - SC - Rua Max Colln, 1843 - América - Fone: 011-47 433-3927
 ASSOCIACAO E COORDENADORIA DE PLANEJAMENTO URBANO, MUNICIPAL E REGIONAL
 home page : www.amunesc.org.br

Engenheiros Responsáveis: GUSTAVO HARGER PAUL VAGNER BALDINI

Projeto	HOSPITAL MUNICIPAL SÃO JOSÉ PROJETO ESTRUTURAL	
	Uso: E2.2	Área total: 2.264,55 m²
Terreno	FUNDO MUNICIPAL DE SAÚDE DE JOINVILLE	
	Endereço : Rua Doutor Plácido Gomes nº408, Anita Garibaldi - Joinville/SC Inscrição Imobiliária: 13.20.15.56.1604-000	
Identificação e Assinaturas	ASSINATURA: _____ SECRETÁRIA DE SAÚDE DO MUNICÍPIO	ASSINATURA: _____ ASSINATURA RESPONSÁVEL PELO PROJETO:
	PROJETO: Gustavo Harger Paul Engenheiro Civil CREA/SC 129261-3	ASSINATURA RESPONSÁVEL PELA EXECUÇÃO: _____
Prancha	Informações	CONTEUDO DA PRANCHA
	Título: LAJES DO PAVTO. MEZANINO Nome do Autor: Gustavo Escala: 1:50 Data: Julho de 2015	NUMERO PR. EST 15/47

27x (110x947mm)



Nome Vigas	Seção	Elevação (cm)	Nível (cm)
V1-1	14x50	0	1005
V1-2	14x50	0	1005
V1-3	14x50	0	1005
V1-4	14x40	-10	995
V1-5	14x40	-10	995
V1-6	20x50	0	1005
V1-7	25x50	-10	995
V1-8	25x50	-10	995
V1-9	14x40	-10	995
V1-10	14x50	0	1005
V1-11	14x50	-10	995
V1-12	14x50	0	1005
V1-13	14x50	0	1005
V1-14	14x50	0	1005
V1-15	14x50	0	1005
V1-16	14x50	0	1005
V1-17	14x50	0	1005
V1-18	14x50	0	1005
V1-19	14x50	0	1005
V1-20	14x50	0	1005
V1-21	14x50	0	1005
V1-22	14x50	0	1005
V1-23	14x50	0	1005
V1-24	14x50	0	1005
V1-25	14x50	0	1005
V1-26	14x50	0	1005
V1-27	20x50	0	1005
V1-28	14x50	-5	1000
V1-29	14x50	0	1005
V1-30	14x50	0	1005
V1-31	14x50	0	1005
V1-32	14x50	0	1005
V1-33	25x50	0	1005
V1-34	25x50	0	1005
V1-35	25x50	0	1005
V1-36	20x50	0	1005
V1-37	14x50	-5	1000
V1-38	14x50	0	1005
V1-39	14x45	-5	1000
V1-40	14x50	0	1005
V1-41	14x50	0	1005
V1-42	14x50	0	1005
V1-43	14x45	-5	1000
V1-44	14x50	0	1005
V1-45	14x50	0	1005
V1-46	14x50	0	1005
V1-47	14x50	0	1005

Nome	Tipo	Altura (cm)	Elevação (cm)	Nível (cm)	Subocupação (kgf/cm²)
L1-1	Massa	12	0	0	400
L1-2	Massa	12	-10	995	400
L1-3	Massa	12	0	1005	400
L1-4	Massa	12	0	1005	400
L1-5	Massa	12	-10	995	400
L1-6	Massa	12	-10	995	400
L1-7	Massa	12	-10	995	400
L1-8	Massa	12	0	1005	400
L1-9	Massa	12	-10	995	400
L1-10	Massa	12	-10	995	400
L1-11	Massa	12	0	1005	400
L1-12	Massa	12	-10	995	400
L1-13	Massa	12	-10	995	400
L1-14	Massa	12	0	1005	400
L1-15	Massa	12	0	1005	400
L1-16	Massa	12	0	1005	400
L1-17	Massa	12	0	1005	400
L1-18	Massa	12	0	1005	400
L1-19	Massa	12	0	1005	400
L1-20	Massa	12	0	1005	400
L1-21	Massa	12	0	1005	400
L1-22	Massa	12	0	1005	400
L1-23	Massa	12	0	1005	400
L1-24	Massa	12	0	1005	400
L1-25	Massa	12	0	1005	400

Características dos materiais
 250 (kgf/cm²) 241500

Forma do 1º Pavto.

Associação de Municípios do Nordeste do Estado de Santa Catarina
 89216-000 - JOINVILLE - SC - Rua Max Colln, 1943 - América - Fone: 011-47 433-3927
 ASSOCIACAO E COORDENADORA DE PLANEJAMENTO URBANO, MUNICIPAL, E REGIONAL
 home page : www.amunesc.org.br

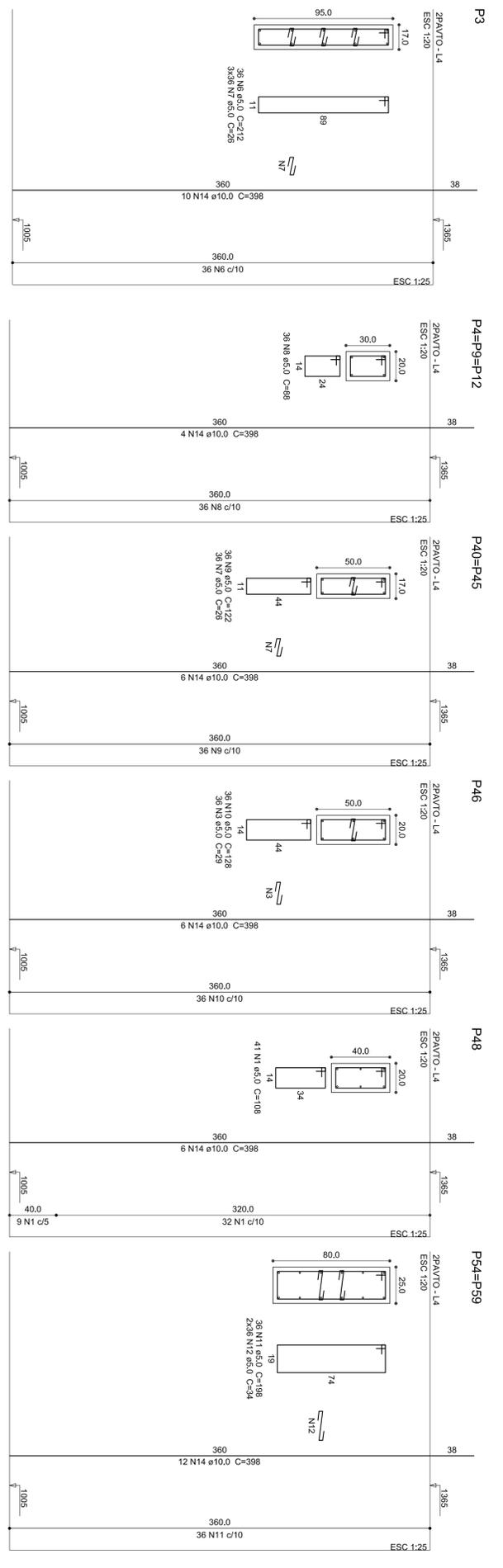
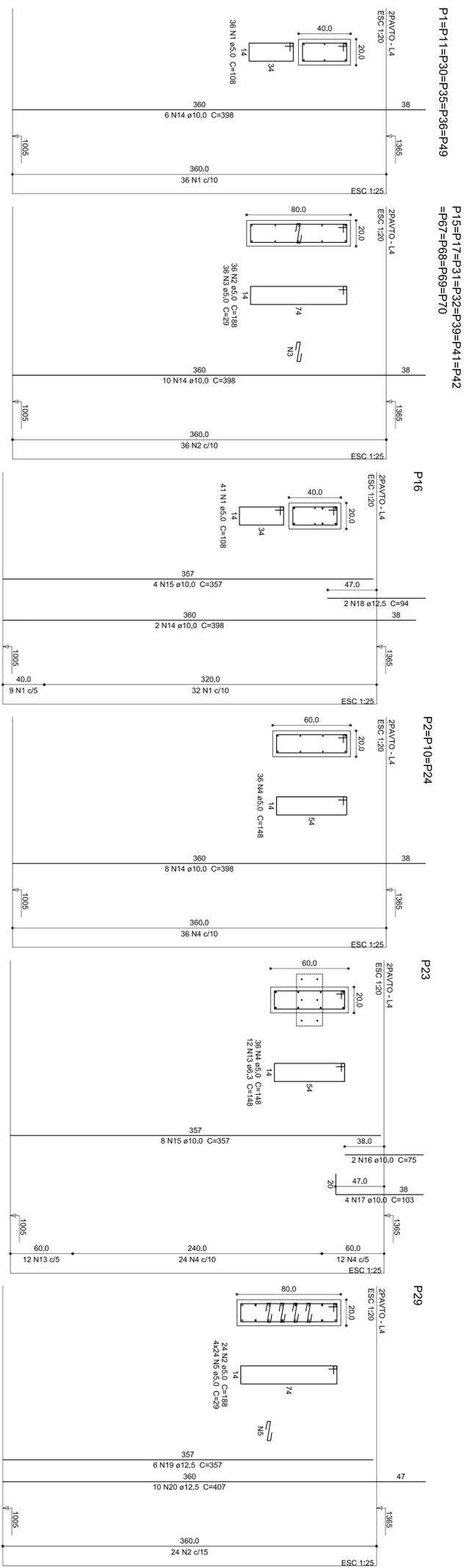
Engenheiros Responsáveis: GUSTAVO HARGER PAUL VAGNER BALDINI

HOSPITAL MUNICIPAL SÃO JOSÉ	
PROJETO ESTRUTURAL	
Uso: E2.2	Área total: 2.264,55 m²
FUNDO MUNICIPAL DE SAÚDE DE JOINVILLE	
Endereço : Rua Doutor Plácido Gomes nº408, Anita Garibaldi - Joinville/SC	
Inscrição Imobiliária: 13.20.15.56.1604-000	
ASSINATURA DO PROJETISTA:	ASSINATURA DO ARQUITETO:
SECRETARIA DE SAÚDE DO MUNICÍPIO	
PROJETO: Gustavo Harger Paul Engenheiro Civil CREA/SC 120261-3	ASSINATURA RESPONSÁVEL PELO PROJETO:
EXECUÇÃO:	ASSINATURA RESPONSÁVEL PELA EXECUÇÃO:

Informações	CONTEÚDO DA PRANCHA	NUMERO PR.
Título: FORMA DO 1º PAVTO.		EST 17/47
Nome do Autor: Gustavo		
Escala: 1:50		
Data: Julho de 2015		

Relatório do aço

FACI	N	QDM	QDMT	CUMF	C/TOTAL	Positivo		Negativo	
						(kg)	(kg)	(kg)	(kg)
C200	2	63	3	1	2	1127	2244		
	3	63	3	1	2	372	750		
	4	63	3	1	2	372	750		
	5	63	3	1	2	372	750		
	6	63	3	1	2	372	750		
	7	63	3	1	2	372	750		
	8	63	3	1	2	372	750		
	9	63	3	1	2	372	750		
	10	63	3	1	2	372	750		
	11	63	3	1	2	372	750		
	12	63	3	1	2	372	750		
	13	63	3	1	2	372	750		
	14	63	3	1	2	372	750		
	15	63	3	1	2	372	750		
	16	63	3	1	2	372	750		
	17	63	3	1	2	372	750		
	18	63	3	1	2	372	750		
	19	63	3	1	2	372	750		
	20	63	3	1	2	372	750		
	21	63	3	1	2	372	750		
	22	63	3	1	2	372	750		
	23	63	3	1	2	372	750		
	24	63	3	1	2	372	750		
	25	63	3	1	2	372	750		
	26	63	3	1	2	372	750		
	27	63	3	1	2	372	750		
	28	63	3	1	2	372	750		
	29	63	3	1	2	372	750		
	30	63	3	1	2	372	750		
	31	63	3	1	2	372	750		
	32	63	3	1	2	372	750		
	33	63	3	1	2	372	750		
	34	63	3	1	2	372	750		
	35	63	3	1	2	372	750		
	36	63	3	1	2	372	750		
	37	63	3	1	2	372	750		
	38	63	3	1	2	372	750		
	39	63	3	1	2	372	750		
	40	63	3	1	2	372	750		
	41	63	3	1	2	372	750		
	42	63	3	1	2	372	750		
	43	63	3	1	2	372	750		
	44	63	3	1	2	372	750		
	45	63	3	1	2	372	750		
	46	63	3	1	2	372	750		
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	157	63	3	1	2	372	750		
	158	63	3	1	2	372	750		
	159								



Relação do aço

ACO	N	DIAM (mm)	QUANT	C LINH (cm)	C TOTAL (cm)
CA50	1	5,0	298	108	32184
	2	5,0	420	188	79860
	3	5,0	432	29	12528
	4	5,0	144	148	21312
	5	5,0	36	23	828
	6	5,0	36	25	900
	7	5,0	180	26	4680
	8	5,0	108	88	9504
	9	5,0	72	122	8784
	10	5,0	36	128	4608
CA50	11	5,0	172	198	34056
	12	5,0	148	178	26352
	13	6,3	12	148	1776
	14	10,0	242	398	96316
	15	10,0	242	12	2904
	16	10,0	12	357	4284
	17	10,0	2	103	150
	18	12,5	6	103	618
	19	12,5	6	357	2148
	20	12,5	10	407	4070

Resumo do aço

ACO	DIAM (mm)	C TOTAL (cm)	PESO - 10% (kg)
CA50	6,3	17,8	4,8
CA50	10,0	1011,7	686,1
CA50	12,5	64	67,5
PESO TOTAL (kg)	5,0	2021,3	342,7
CA50			756,7
CA50			342,7

Volume de concreto (C25) = 14,39 m³
 Área da forma = 192,07 m²

Associação de Municípios do Nordeste do Estado de Santa Catarina
 89214-000 - JOINVILLE - SC - Rua Mau Colla, 1843 - América - Fone: 071-4333027
 ASSessoria E COORDENADORIA DE PLANEJAMENTO URBANO, MUNICIPAL E REGIONAL
 Nome Projeto: www.carniduro.com.br
 CREA/SC: 48.025-4
 Engenharia Responsável: GUSTAVO LANGER PAUL
 VAGNER BALDINI

HOSPITAL MUNICIPAL SÃO JOSÉ
PROJETO ESTRUTURAL

Usou: E2.2
 FUNDO MUNICIPAL DE SAÚDE DE JOINVILLE
 Endereço: Rua Doutor Plácido Gomes nº408, Anita Garibaldi - Joinville/SC
 Inscrição Imobiliária: 13.201.13.561-1604-900

Terreno
 Área total: 2.264,55 m²

Identificações e Assinaturas

PROJETO	SECRETARIA DE SAÚDE DO MUNICÍPIO
Engenheiro Responsável	Assinatura Responsável
Engenheiro	Assinatura

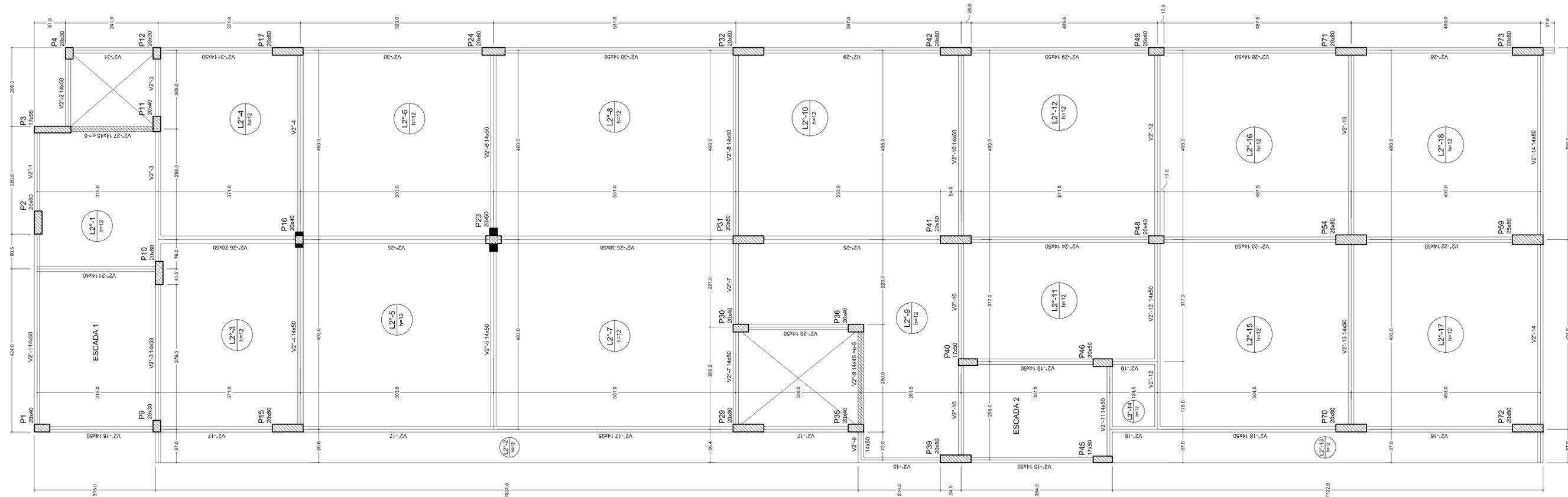
Prancha
 Conteúdo da Prancha: PILARES DO 2º PAVTO.

EST 22/47

Nome	Seção	Elavação (cm)	Nível (cm)
VZ-1	14x50	0	1365
VZ-2	14x50	0	1365
VZ-3	14x50	0	1365
VZ-4	14x50	0	1365
VZ-5	14x50	0	1365
VZ-6	14x50	0	1365
VZ-7	14x50	0	1365
VZ-8	14x50	0	1365
VZ-9	14x50	0	1365
VZ-10	14x50	0	1365
VZ-11	14x50	0	1365
VZ-12	14x50	0	1365
VZ-13	14x50	0	1365
VZ-14	14x50	0	1365
VZ-15	14x50	0	1365
VZ-16	14x50	0	1365
VZ-17	14x50	0	1365
VZ-18	14x50	0	1365
VZ-19	14x50	0	1365
VZ-20	14x50	0	1365
VZ-21	14x40	0	1365
VZ-22	14x50	0	1365
VZ-23	14x50	0	1365
VZ-24	14x50	0	1365
VZ-25	20x50	0	1365
VZ-26	20x50	0	1365
VZ-27	14x45	0	1360
VZ-28	14x50	0	1365
VZ-29	14x50	0	1365
VZ-30	14x50	0	1365
VZ-31	14x50	0	1365

Nome	Tipo	Altura (cm)	Elavação (cm)	Nível (cm)	Sobreposição (kg/m²)
L1	Madeira	12	0	1365	400
L2	Madeira	12	0	1365	300
L3	Madeira	12	0	1365	400
L4	Madeira	12	0	1365	400
L5	Madeira	12	0	1365	400
L6	Madeira	12	0	1365	400
L7	Madeira	12	0	1365	400
L8	Madeira	12	0	1365	400
L9	Madeira	12	0	1365	400
L10	Madeira	12	0	1365	400
L11	Madeira	12	0	1365	400
L12	Madeira	12	0	1365	400
L13	Madeira	12	0	1365	300
L14	Madeira	12	0	1365	400
L15	Madeira	12	0	1365	400
L16	Madeira	12	0	1365	400
L17	Madeira	12	0	1365	400
L18	Madeira	12	0	1365	400

Características dos materiais	
f _{td} (kgf/cm²)	E _s (kgf/cm²)
250	241500



Forma do 2º Pavto.

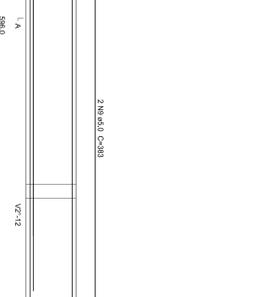
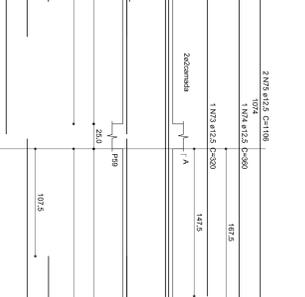
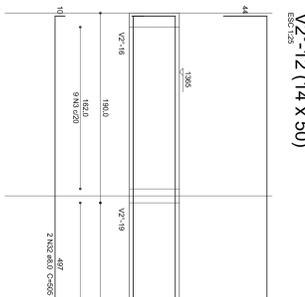
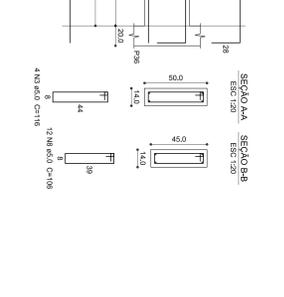
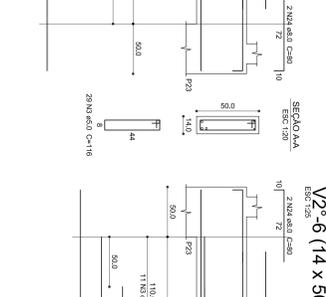
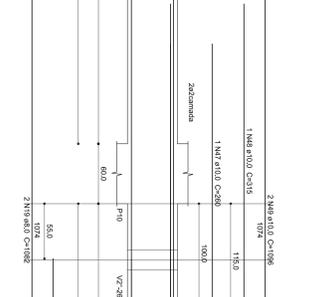
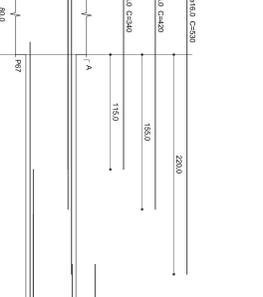
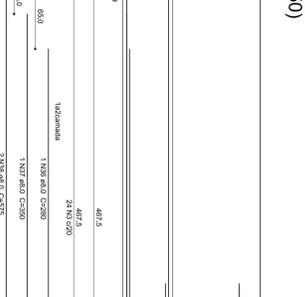
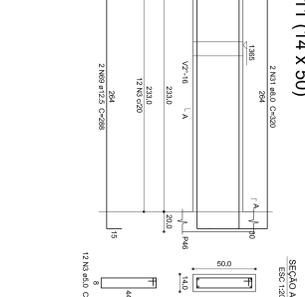
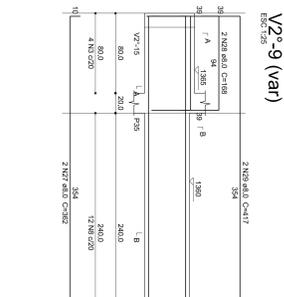
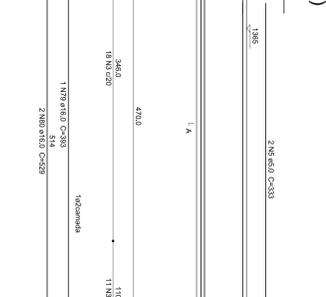
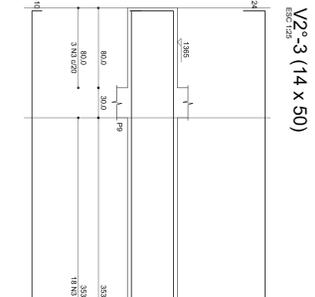
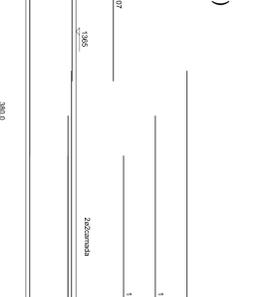
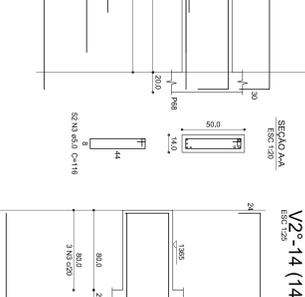
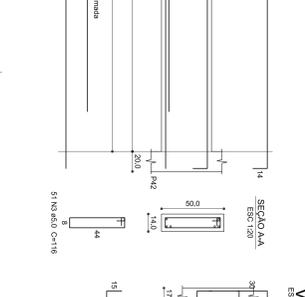
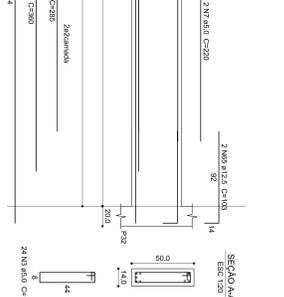
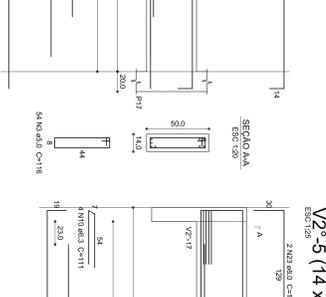
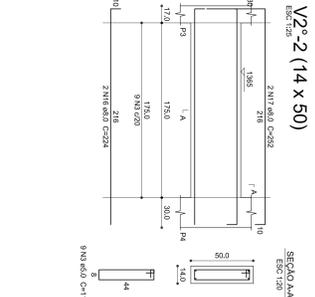
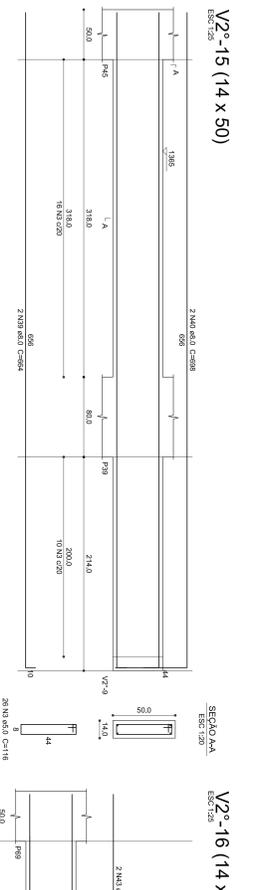
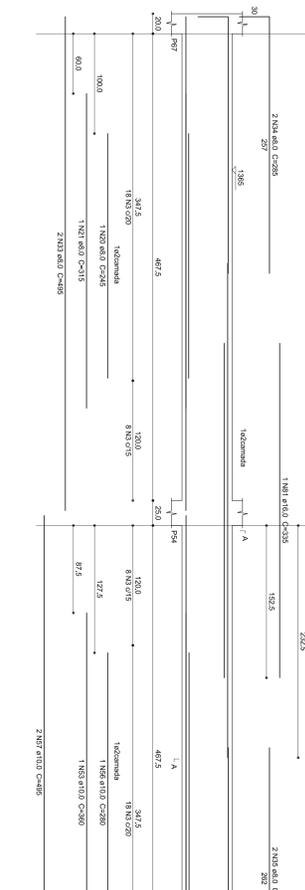
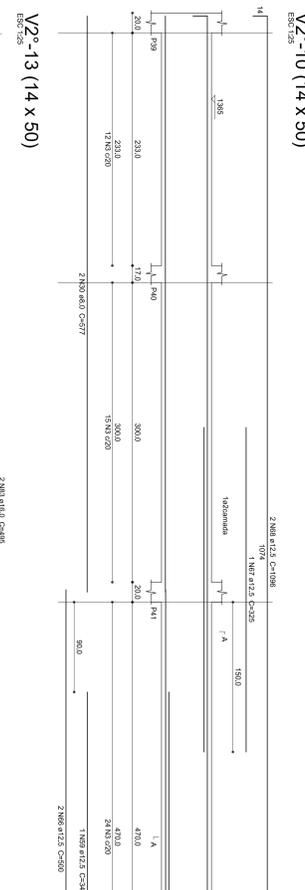
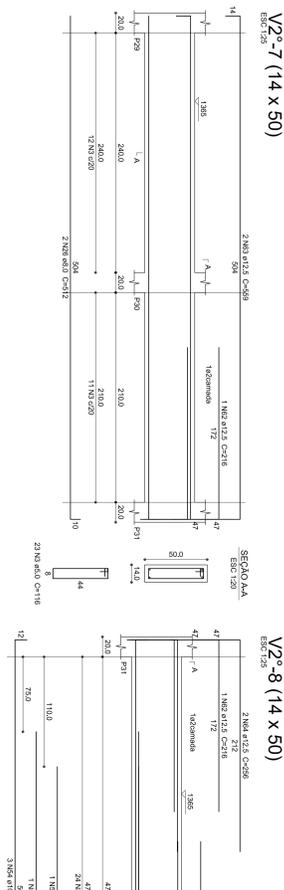
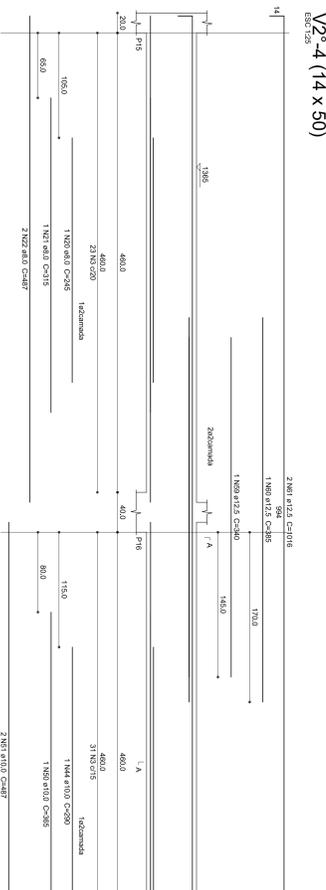
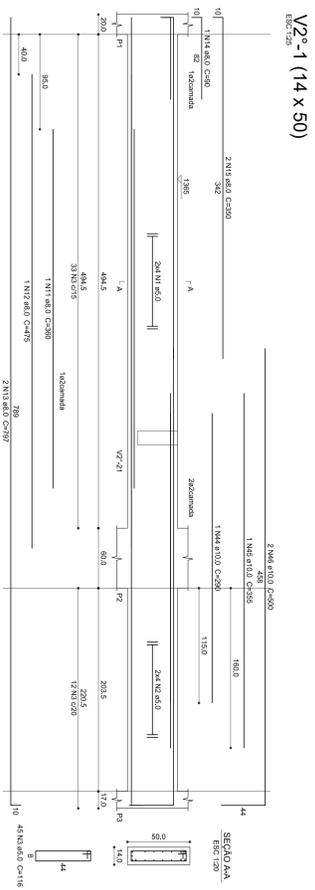


Associação dos Municípios do Nordeste do Estado de Santa Catarina
 892-16.000 - JOINVILLE - SC - Rua Max Góes, 1883 - América - Fone: 047-433-3027
 ASSESSORIA E COORDENADORA DE PLANEJAMENTO URBANO, MUNICIPAL E REGIONAL
 home page : www.amunesc.org.br CREA SC 48.825-4

Engenheiros Responsáveis: GUSTAVO HARGER PAUL VAGNER BALDINI

Prancha	Informações	CONTÉUDO DA PRANCHA	NÚMERO PR.
	Autor: Gustavo Nome do Arq: Gustavo Escala: 1:50 Data: Julho de 2015	FORMA DO 2º PAVTO.	EST 23/47
Identificações e Assinaturas	PROJETO:	ASSINATURA RESPONSÁVEL PELO PROJETO:	
	SECRETARIA DE SAÚDE DO MUNICÍPIO Gustavo Harger Paul Engenheiro Civil CREA/SC 12591-3		
Terreno	PROJETO:	ASSINATURA RESPONSÁVEL PELO PROJETO:	
	HOSPITAL MUNICIPAL SÃO JOSÉ PROJETO ESTRUTURAL Uso: E2.2 Área total: 2.264,55 m²		
Execução	EXECUÇÃO:	ASSINATURA RESPONSÁVEL PELO PROJETO:	

2F (100x394).rvt



ACO	N	DIAM	QUANT	COMPR	CICLO	RESUMO DO AÇO
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C40	89	8	8	1,20	1,20	7,68
C40	90	8	8	1,20	1,20	7,68
C40	91	8	8	1,20	1,20	7,68
C40	92	8	8	1,20	1,20	7,68
C40	93	8	8	1,20	1,20	7,68
C40	94	8	8	1,20	1,20	7,68
C40	95	8	8	1,20	1,20	7,68
C40	96	8	8	1,20	1,20	7,68
C40	97	8	8	1,20	1,20	7,68
C40	98	8	8	1,20	1,20	7,68
C40	99	8	8	1,20	1,20	7,68
C40	100	8	8	1,20	1,20	7,68

ACO	RESUMO DO AÇO
C40	8,3
C40	18,0
C40	16,0
C40	8,4
C40	8,3
C40	17,9

Associação de Municípios do Nordeste do Estado de Santa Catarina

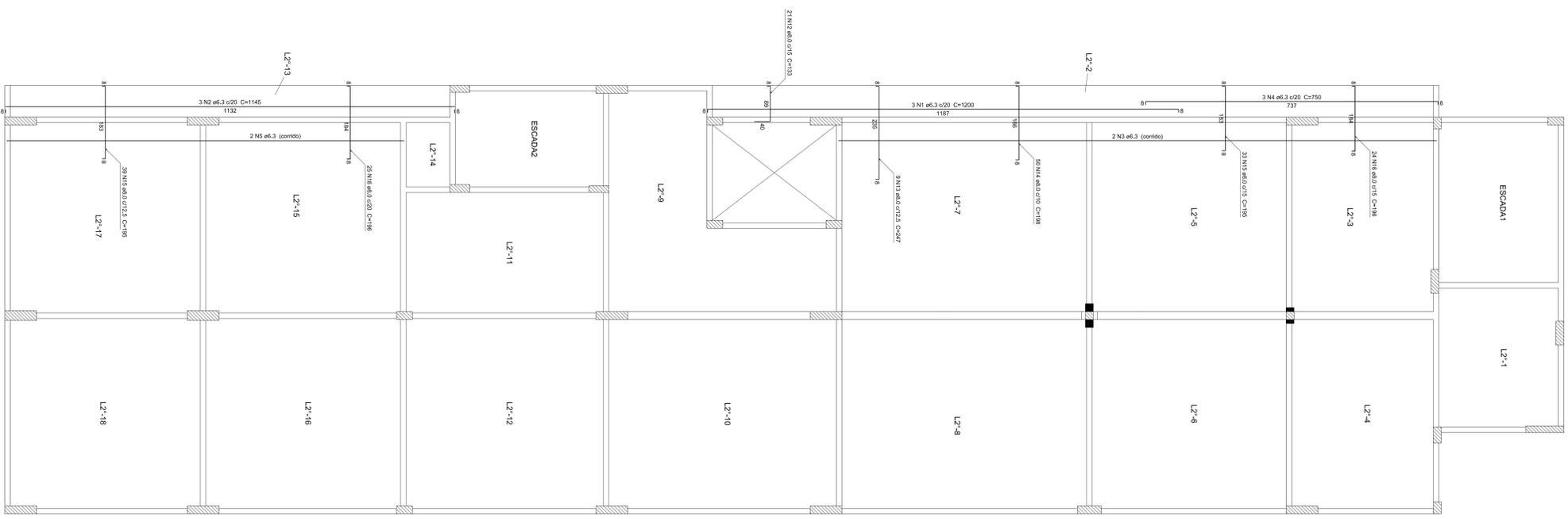
HOSPITAL MUNICIPAL SÃO JOSÉ PROLETO ESTRUTURAL

Área total: 2.284,56 m²

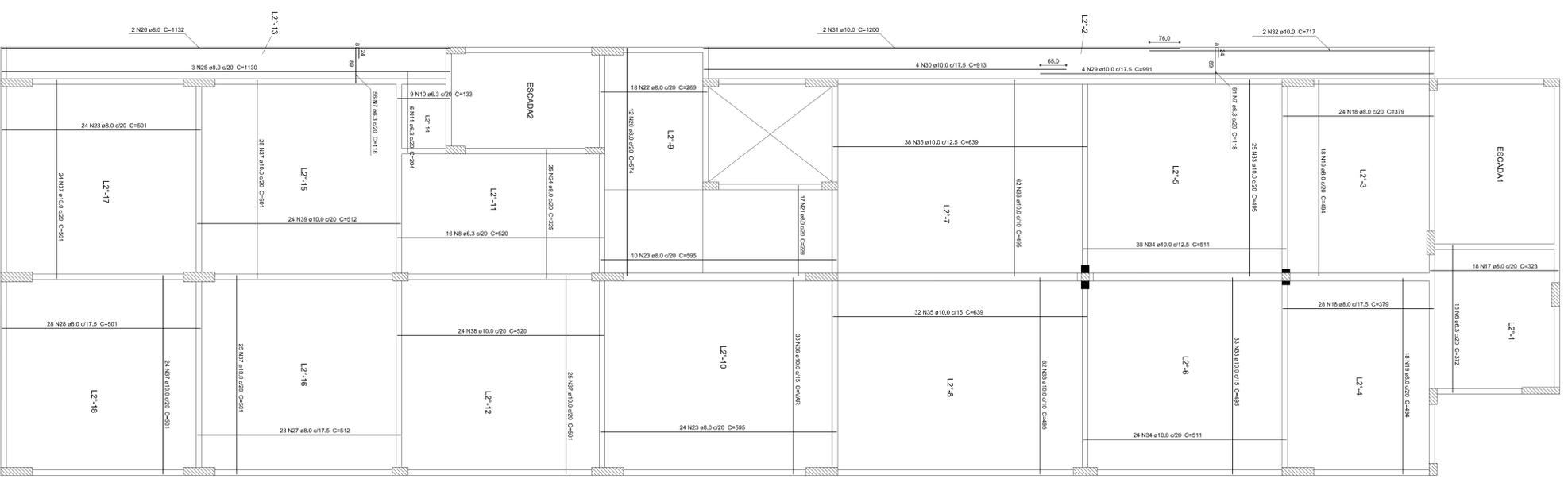
Usos: E22

FUNDO MUNICIPAL DE SAÚDE DE JOINVILLE

Projeto: 24/47



Armação Negativa das Lajes do 2º Pavto.



Armação Positiva das Lajes do 2º Pavto.

Relatório do aço

ACO	N	DM	QUANT	CLT(TOTAL)
CA50	1	6.3	3	1145
2	6.3	3	1445	3435
3	6.3	3	780	2250
4	6.3	3	1031	2592
5	6.3	2	1138	2848
6	6.3	2	1138	2848
7	6.3	142	118	17348
8	6.3	9	133	1197
9	6.3	9	133	1197
10	6.3	6	204	1224
11	6.3	9	247	2223
12	6.3	9	247	2223
13	6.3	9	247	2223
14	6.3	72	574	16680
15	6.3	72	574	16680
16	6.3	48	156	4604
17	6.3	48	156	4604
18	6.3	48	156	4604
19	6.3	48	156	4604
20	6.3	52	379	19796
21	6.3	17	228	3816
22	6.3	17	228	3816
23	6.3	34	566	20230
24	6.3	34	566	20230
25	6.3	3	1132	12696
26	6.3	3	1132	12696
27	6.3	2	501	29052
28	6.3	2	501	29052
29	6.3	2	501	29052
30	6.3	2	501	29052
31	6.3	2	1260	2480
32	6.3	2	1260	2480
33	6.3	162	465	50060
34	6.3	162	465	50060
35	6.3	70	639	44770
36	6.3	70	639	44770
37	6.3	24	520	62480
38	6.3	24	520	62480
39	6.3	24	520	62480
40	6.3	24	520	62480
41	6.3	24	520	62480
42	6.3	24	520	62480
43	6.3	24	520	62480
44	6.3	24	520	62480
45	6.3	24	520	62480
46	6.3	24	520	62480
47	6.3	24	520	62480
48	6.3	24	520	62480
49	6.3	24	520	62480
50	6.3	24	520	62480
51	6.3	24	520	62480
52	6.3	24	520	62480
53	6.3	24	520	62480
54	6.3	24	520	62480
55	6.3	24	520	62480
56	6.3	24	520	62480
57	6.3	24	520	62480
58	6.3	24	520	62480
59	6.3	24	520	62480
60	6.3	24	520	62480
61	6.3	24	520	62480
62	6.3	24	520	62480
63	6.3	24	520	62480
64	6.3	24	520	62480
65	6.3	24	520	62480
66	6.3	24	520	62480
67	6.3	24	520	62480
68	6.3	24	520	62480
69	6.3	24	520	62480
70	6.3	24	520	62480
71	6.3	24	520	62480
72	6.3	24	520	62480
73	6.3	24	520	62480
74	6.3	24	520	62480
75	6.3	24	520	62480
76	6.3	24	520	62480
77	6.3	24	520	62480
78	6.3	24	520	62480
79	6.3	24	520	62480
80	6.3	24	520	62480
81	6.3	24	520	62480
82	6.3	24	520	62480
83	6.3	24	520	62480
84	6.3	24	520	62480
85	6.3	24	520	62480
86	6.3	24	520	62480
87	6.3	24	520	62480
88	6.3	24	520	62480
89	6.3	24	520	62480
90	6.3	24	520	62480
91	6.3	24	520	62480
92	6.3	24	520	62480
93	6.3	24	520	62480
94	6.3	24	520	62480
95	6.3	24	520	62480
96	6.3	24	520	62480
97	6.3	24	520	62480
98	6.3	24	520	62480
99	6.3	24	520	62480
100	6.3	24	520	62480

Resumo do aço

ACO	DM	C TOTAL	PERC* 10%
CA50	6.3	4571	123
CA50	6.3	4571	123
PERC TOTAL	6.3	2819	120.3

Volume do concreto (C=20) = 45.8 m³
 Área da armação = 37.42 m²

Associação de Municípios do Nordeste do Estado de Santa Catarina
 RUA DOZIS, 100 - JARDIM SANTA CATARINA, 1303 - FLORESTA - FONE: (51) 3633-3333
 FONE FAX: (51) 3633-3333 - E-MAIL: amn@amne.com.br - WWW.ASSOCIACAOAMN.COM.BR

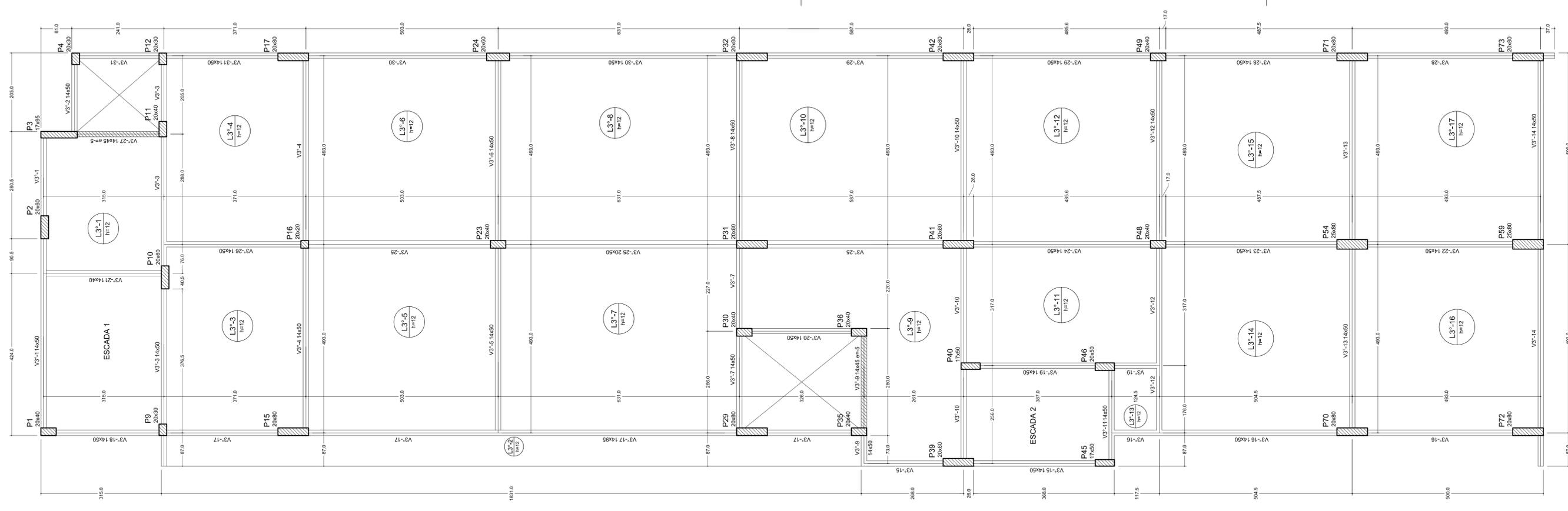
Projeto
 Usuário: E2.2
HOSPITAL MUNICIPAL SÃO JOSÉ
PROJETO ESTRUTURAL
 Área total: 2.264,56 m²

Identificações e Assinaturas

PROJETO	ELABORADO	APROVADO
Engenheiro Responsável: GUARANI BOLLNER	Engenheiro Responsável: GUARANI BOLLNER	Engenheiro Responsável: GUARANI BOLLNER
Engenheiro Responsável: GUARANI BOLLNER	Engenheiro Responsável: GUARANI BOLLNER	Engenheiro Responsável: GUARANI BOLLNER
Engenheiro Responsável: GUARANI BOLLNER	Engenheiro Responsável: GUARANI BOLLNER	Engenheiro Responsável: GUARANI BOLLNER

Francha
 Identificação: **LAJES DO 2º PAVTO.**
 Data: **26/47**

2F (100x394)mm



Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V3-1	14x50	0	1725
V3-2	14x50	0	1725
V3-3	14x50	0	1725
V3-4	14x50	0	1725
V3-5	14x50	0	1725
V3-6	14x50	0	1725
V3-7	14x50	0	1725
V3-8	14x50	0	1725
V3-9	14x50	0	1725
V3-10	14x50	0	1725
V3-11	14x50	0	1725
V3-12	14x50	0	1725
V3-13	14x50	0	1725
V3-14	14x50	0	1725
V3-15	14x50	0	1725
V3-16	14x50	0	1725
V3-17	14x50	0	1725
V3-18	14x50	0	1725
V3-19	14x50	0	1725
V3-20	14x50	0	1725
V3-21	14x40	0	1725
V3-22	14x50	0	1725
V3-23	14x50	0	1725
V3-24	14x50	0	1725
V3-25	20x60	0	1725
V3-26	14x50	0	1725
V3-27	14x50	0	1725
V3-28	14x50	0	1725
V3-29	14x50	0	1725
V3-30	14x50	0	1725
V3-31	14x50	0	1725

Nome	Tipo	Altura (cm)	Elevação (cm)	Nível (cm)	Subescala (kg/cm²)
L1	Mescla	12	0	1725	400
L2	Mescla	12	0	1725	400
L3	Mescla	12	0	1725	400
L4	Mescla	12	0	1725	400
L5	Mescla	12	0	1725	400
L6	Mescla	12	0	1725	400
L7	Mescla	12	0	1725	400
L8	Mescla	12	0	1725	400
L9	Mescla	12	0	1725	400
L10	Mescla	12	0	1725	400
L11	Mescla	12	0	1725	400
L12	Mescla	12	0	1725	400
L13	Mescla	12	0	1725	400
L14	Mescla	12	0	1725	400
L15	Mescla	12	0	1725	400
L16	Mescla	12	0	1725	400
L17	Mescla	12	0	1725	400

Características dos materiais	
fck (kgf/cm²)	fcd (kgf/cm²)
250	241500

Forma do 3º Pavto.



Associação dos Municípios do Nordeste do Estado de Santa Catarina
 892-16.000 - JOINVILLE - SC - Rua Max Gehr, 1883 - América - Fone: 047 433-3027
 ASSESSORIA E COORDENADORA DE PLANEJAMENTO URBANO MUNICIPAL E REGIONAL
 home page : www.amunesc.org.br CREA - SC 48.825-4

Engenheiros Responsáveis: GUSTAVO HARGER PAUL
 VAGNER BALDINI

Projeto	HOSPITAL MUNICIPAL SÃO JOSÉ	
	Uso: E2.2	Área total: 2.264,55 m²
Terreno	FUNDO MUNICIPAL DE SAÚDE DE JOINVILLE	
	Endereço : Rua Doutor Plácido Gomes nº408, Anita Garibaldi - Joinville/SC Inscrição Imobiliária: 13.20.13.56.1604-000	
Identificações e Assinaturas	ADMINISTRAÇÃO: SECRETARIA DE SAÚDE DO MUNICÍPIO	ASSINATURA:
	PROJETO: Gustavo Harger Paul Engenheiro Civil CREA/SC 12591-3	ASSINATURA RESPONSÁVEL PELO PROJETO:
	EXECUÇÃO:	ASSINATURA RESPONSÁVEL PELA EXECUÇÃO:
Prancha	Informações: Autor: Gustavo	CONTÉUDO DA PRANCHA: FORMA DO 3º PAVTO.
	Escala: 1:50 Data: Julho de 2015	NÚMERO PR.: EST 28/47

