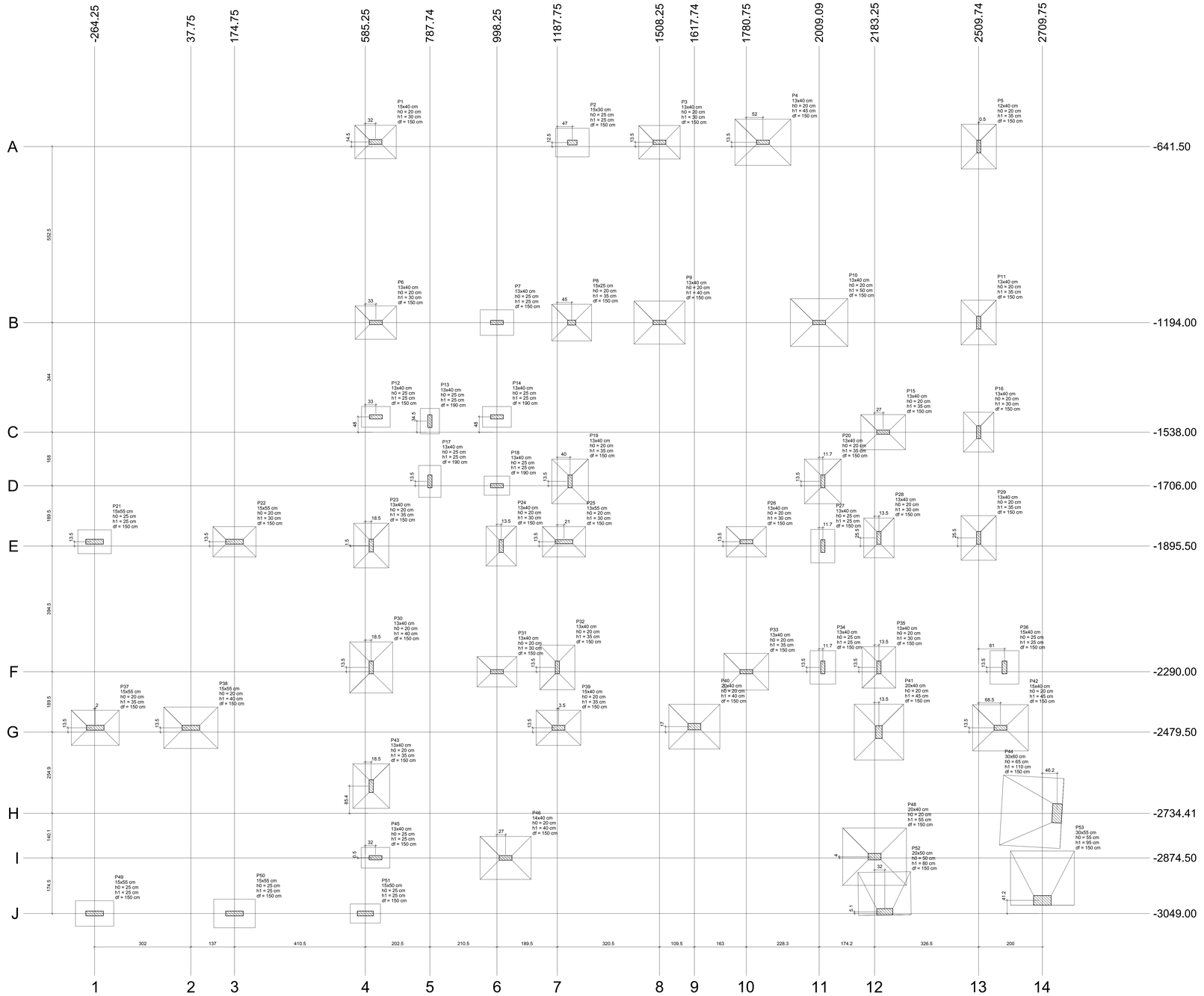


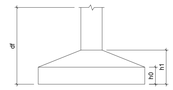
Planta de locação

escala 1:50

Pilar							Fundação			
Nome	Seção (cm)	X (cm)	Y (cm)	Carga Máx. (tf)	Carga Mín. (tf)	Mx (kgf.m)	My (kgf.m)	Fx (tf)	Fy (tf)	Lado B (cm)	Lado H (cm)	h0 / ha (cm)	h1 / hb (cm)	df (cm)
P1	15x40	617.25	-627.00	14.8	13.5	0	0	0.6	0.5	105	130	20	30	150
P2	15x30	1234.75	-629.00	10.2	9.2	0	0	0.4	0.1	90	105	25	25	150
P3	13x40	1508.25	-628.00	14.3	12.1	0	0	0.1	0.2	105	130	20	30	150
P4	13x40	1832.75	-628.00	28.9	24.3	0	0	0.5	0.5	145	175	20	45	150
P5	12x40	2510.25	-641.50	15.9	13.6	0	0	0.1	0.1	110	140	20	35	150
P6	13x40	618.24	-1194.00	15.6	14.4	0	0	0.3	0.3	105	130	20	30	150
P7	13x40	998.25	-1194.00	9.0	8.2	0	0	0.4	0.1	80	105	25	25	150
P8	15x25	1232.74	-1194.00	14.3	11.6	300	400	0.4	0.3	115	125	20	35	150
P9	13x40	1508.25	-1194.00	24.9	19.6	0	0	0.2	0.3	135	160	20	40	150
P10	13x40	2009.09	-1194.00	30.9	24.7	0	0	0.2	0.1	150	180	20	50	150
P11	13x40	2509.75	-1194.00	17.7	15.2	0	0	0.2	0.3	110	140	20	35	150
P12	13x40	618.24	-1490.00	5.6	5.2	0	0	0.3	0.1	65	90	25	25	150
P13	13x40	787.74	-1503.50	4.2	3.9	0	0	0.1	0.2	60	80	25	25	190
P14	13x40	998.24	-1490.00	6.1	5.1	0	0	0.1	0.1	65	90	25	25	190
P15	13x40	2210.25	-1538.00	16.1	13.3	0	0	0.3	0.2	110	140	20	35	150
P16	13x40	2509.75	-1538.00	12.8	11.3	0	0	0.2	0.5	95	125	20	30	150
P17	13x40	787.75	-1692.50	7.5	6.3	0	0	0.1	0.2	70	100	25	25	190
P18	13x40	998.25	-1706.00	5.1	4.0	0	0	0.2	0.1	60	80	25	25	190
P19	13x40	1227.74	-1692.50	18.4	15.0	0	0	0.5	0.4	115	140	20	35	150
P20	13x40	2020.75	-1692.50	18.1	14.8	0	0	0.5	0.5	115	140	20	35	150
P21	15x55	-264.25	-1882.00	8.5	6.7	0	0	0.1	0.1	75	105	25	25	150
P22	15x55	174.75	-1882.00	13.7	10.3	0	0	0.2	0.1	95	135	20	30	150
P23	13x40	603.75	-1894.00	17.0	14.0	0	0	0.1	0.4	110	140	20	35	150
P24	13x40	1011.74	-1895.50	12.1	9.6	0	0	0.2	0.1	95	125	20	30	150
P25	13x55	1208.75	-1882.00	14.5	11.9	0	0	0.3	0.1	95	135	20	30	150
P26	13x40	1780.75	-1882.00	13.2	11.0	0	0	0.4	0.1	95	125	20	30	150
P27	13x40	2020.75	-1895.50	8.7	6.9	0	0	0.1	0.5	75	105	25	25	150
P28	13x40	2196.75	-1870.00	13.6	11.3	0	0	0.1	0.3	95	125	20	30	150
P29	13x40	2509.74	-1870.00	15.8	13.7	0	0	0.1	0.4	110	140	20	35	150
P30	13x40	603.75	-2276.50	23.7	18.3	0	0	0.1	0.3	135	160	20	40	150
P31	13x40	998.25	-2290.00	11.9	9.8	0	0	0.3	0.1	95	125	20	30	150
P32	13x40	1187.75	-2276.50	17.3	13.7	0	0	0.3	0.3	110	140	20	35	150
P33	13x40	1780.75	-2290.00	18.1	14.6	0	0	0.6	0.2	115	140	20	35	150
P34	13x40	2020.74	-2276.50	9.1	7.4	0	0	0.2	0.3	80	105	25	25	150
P35	13x40	2196.75	-2276.50	15.3	12.6	0	0	0.1	0.4	105	130	20	30	150
P36	15x40	2590.75	-2276.50	10.3	8.5	0	0	0.2	1.1	90	105	25	25	150
P37	15x55	-262.26	-2466.00	18.2	13.9	0	0	0.5	0.2	110	150	20	35	150
P38	15x55	37.75	-2466.00	23.9	17.7	0	0	0.3	0.1	130	170	20	40	150
P39	15x40	1191.25	-2466.00	16.1	12.6	0	0	0.2	0.1	110	140	20	35	150
P40	20x40	1617.74	-2462.50	24.9	20.1	0	0	0.4	2.7	140	160	20	40	150
P41	20x40	2196.75	-2479.50	29.9	20.8	0	0	0.4	1.8	155	175	20	45	150
P42	15x40	2578.25	-2466.00	27.8	18.1	0	0	0.7	0.3	145	175	20	45	150
P43	13x40	603.75	-2649.00	18.4	14.1	0	0	0.1	0.2	115	140	20	35	150
P44	30x60	2755.97	-2734.41	29.6	18.9	1100	18900	6.8	6.3	190	220	65	110	150
P45	13x40	617.25	-2874.00	6.5	5.5	0	0	0.1	0.2	65	90	25	25	150
P46	14x40	1025.25	-2874.50	24.2	20.1	0	0	2.7	0.3	135	160	20	40	150
P48	20x40	2183.25	-2870.50	39.8	27.5	0	0	3.6	1.0	180	200	20	55	150
P49	15x55	-264.25	-3049.00	9.8	7.6	0	0	0.1	0.1	80	120	25	25	150
P50	15x55	174.75	-3049.00	13.1	10.0	0	0	0.3	0.1	90	130	25	25	150
P51	15x50	585.25	-3049.00	6.2	4.8	0	0	0.1	0.1	60	95	25	25	150
P52	20x50	2215.27	-3043.85	15.9	10.9	6500	100	1.2	3.2	135	165	50	80	150
P53	30x55	2709.75	-3007.81	23.7	15.8	14200	0	0.3	9.5	170	200	55	95	150

Locação no eixo X	
Coordenadas (cm)	Nome
-264.25	P21, P49
-262.26	P37
37.75	P38
174.75	P22, P50
585.25	P51
603.75	P23, P30, P43
617.25	P1, P45
618.24	P6, P12
787.74	P13
787.75	P17
998.25	P7
998.24	P14
998.25	P18, P31
1011.74	P24
1025.25	P46
1187.75	P32
1191.25	P39
1208.75	P25
1227.74	P19
1232.74	P8
1234.75	P2
1508.25	P3, P9
1617.74	P40
1780.75	P26, P33
1832.75	P4
2009.09	P10
2020.75	P20, P27
2020.74	P34
2183.25	P48
2196.75	P28, P35, P41
2210.25	P15
2215.27	P52
2509.74	P29
2509.75	P11, P16
2510.25	P5
2578.25	P42
2590.75	P36
2709.75	P53
2755.97	P44

Locação no eixo Y	
Coordenadas (cm)	Nome
-627.00	P1
-628.00	P3, P4
-629.00	P2
-641.50	P5
-1194.00	P6, P7, P8, P9, P10, P11
-1490.00	P12, P14
-1503.50	P13
-1538.00	P15, P16
-1692.50	P17, P19, P20
-1706.00	P18
-1870.00	P28, P29
-1882.00	P21, P22, P25, P26
-1894.00	P23
-1895.50	P24, P27
-2276.50	P30, P32, P34, P35, P36
-2290.00	P31, P33
-2462.50	P40
-2466.00	P37, P38, P39, P42
-2479.50	P41
-2649.00	P43
-2734.41	P44
-2870.50	P48
-2874.00	P45
-2874.50	P46
-3007.81	P53
-3043.85	P52
-3049.00	P49, P50, P51





APROVAÇÃO:

ESTRUTURAL - APROVAÇÃO

PREFEITURA DE AURELINO LEAL

Endereço: RUA RAILDA VILLAS BOAS, S/N. - CENTRO - AURELINO LEAL - BA

Proprietário: MUNICIPIO DE AURELINO LEAL - CNPJ: 16.137.291/0001-02

Autor do projeto: GILBERTO ALMEIDA FILHO - CREA-BA 49.898 RNP 050158871-0

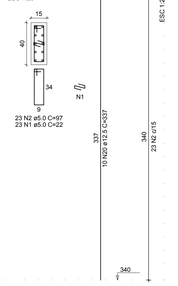
Responsável Técnico: GILBERTO ALMEIDA FILHO - CREA-BA 49.898 RNP 050158871-0

CONTEUDO: PROJETO ESTRUTURAL: DETALHAMENTO DA PLANTA DE LOCAÇÃO

AREA DO TERRENO ORIGINAL: 859,26M2	FOLHA: 1/26
AREA TOTAL DA CONSTRUÇÃO: 1.119,13M2	
TAXA DE OCUPAÇÃO: 66,13%	
COEFICIENTE DE APROVEITAMENTO: 1.30	
AREA DA CONSTRUÇÃO TERREO: 568.30M2	DATA: 25/04/2023
AREA DA CONSTRUÇÃO 1º PAV. (SE HOUVER): 550.83M2	DISCIPLINA: ESTRUTURAL

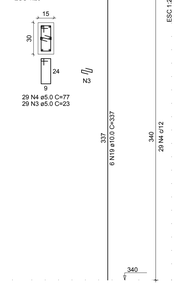
A0

P1
COBERTURA - L3
ESC 1:20



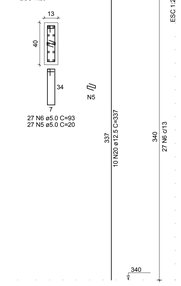
23 N2 ø5.0 C=97
23 N1 ø5.0 C=22

P2
COBERTURA - L3
ESC 1:20



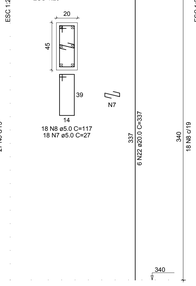
29 N4 ø5.0 C=77
29 N3 ø5.0 C=23

P3=P39
COBERTURA - L3
ESC 1:20



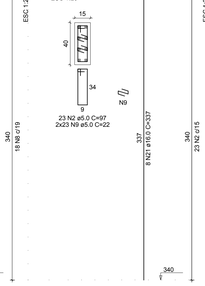
27 N6 ø5.0 C=93
27 N5 ø5.0 C=20

P4
COBERTURA - L3
ESC 1:20



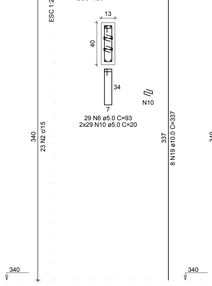
18 N8 ø5.0 C=117
18 N7 ø5.0 C=27

P5
COBERTURA - L3
ESC 1:20



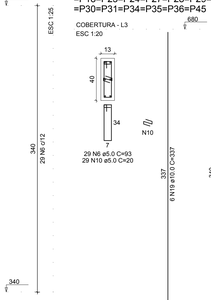
23 N2 ø5.0 C=97
2x23 N9 ø5.0 C=22

P6
COBERTURA - L3
ESC 1:20



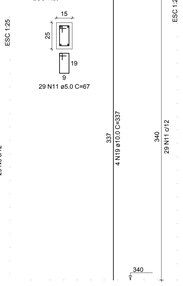
29 N6 ø5.0 C=93
2x29 N10 ø5.0 C=20

P7=P12=P13=P14=P15=P16=P17=P18=P23=P24=P27=P28=P29=P30=P31=P34=P35=P36=P45
COBERTURA - L3
ESC 1:20



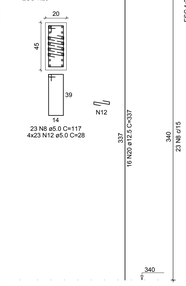
29 N6 ø5.0 C=93
29 N10 ø5.0 C=20

P8
COBERTURA - L3
ESC 1:20



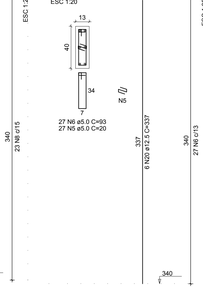
29 N11 ø5.0 C=67

P9
COBERTURA - L3
ESC 1:20



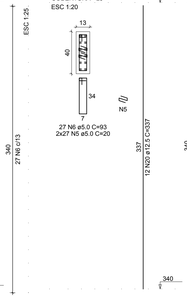
23 N8 ø5.0 C=117
4x23 N12 ø5.0 C=28

P10=P26=P32
COBERTURA - L3
ESC 1:20



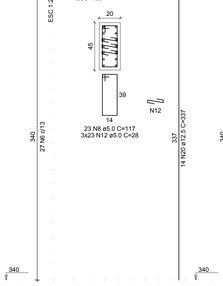
27 N6 ø5.0 C=93
27 N5 ø5.0 C=20

P11
COBERTURA - L3
ESC 1:20



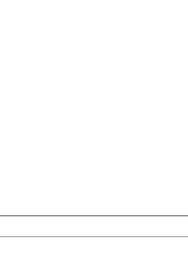
27 N6 ø5.0 C=93
2x27 N5 ø5.0 C=20

P19
COBERTURA - L3
ESC 1:20



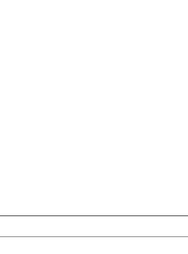
23 N8 ø5.0 C=117
3x23 N12 ø5.0 C=28

P20=P47
COBERTURA - L3
ESC 1:20



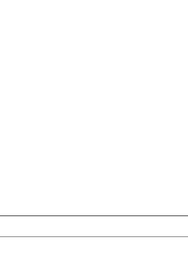
18 N8 ø5.0 C=117
18 N13 ø5.0 C=28

P21
COBERTURA - L3
ESC 1:20



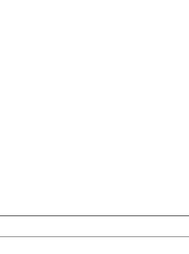
29 N14 ø5.0 C=127
2x29 N3 ø5.0 C=23

P22
COBERTURA - L3
ESC 1:20



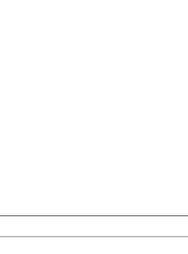
23 N14 ø5.0 C=127
2x23 N1 ø5.0 C=22

P25
COBERTURA - L3
ESC 1:20



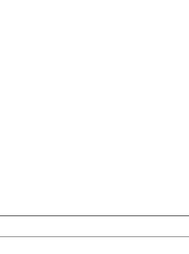
29 N15 ø5.0 C=123
29 N10 ø5.0 C=20

P33
COBERTURA - L3
ESC 1:20



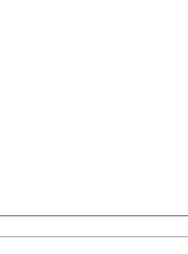
27 N6 ø5.0 C=93
27 N16 ø5.0 C=20

P37
COBERTURA - L3
ESC 1:20



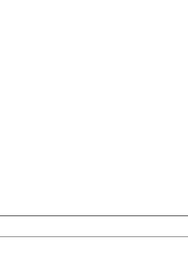
29 N14 ø5.0 C=127
29 N3 ø5.0 C=23

P38
COBERTURA - L3
ESC 1:20



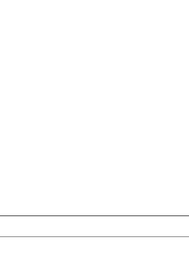
23 N14 ø5.0 C=127
23 N1 ø5.0 C=22

P40
COBERTURA - L3
ESC 1:20



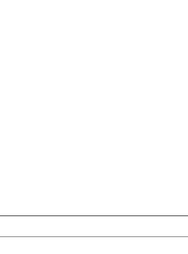
18 N8 ø5.0 C=117
3x18 N13 ø5.0 C=28

P41=P42
COBERTURA - L3
ESC 1:20



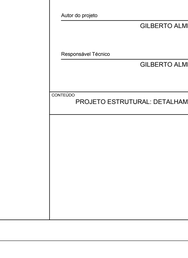
29 N2 ø5.0 C=97
29 N3 ø5.0 C=23

P43
COBERTURA - L3
ESC 1:20



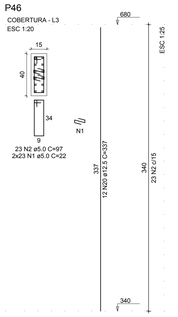
23 N2 ø5.0 C=97
3x23 N1 ø5.0 C=22

P44
COBERTURA - L3
ESC 1:20



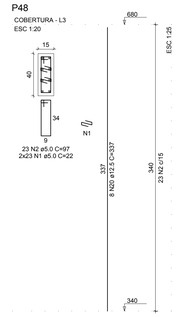
29 N2 ø5.0 C=97
2x29 N3 ø5.0 C=23

P46
COBERTURA - L3
ESC 1:20



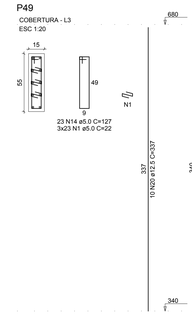
23 N2 ø5.0 C=97
2x23 N1 ø5.0 C=22

P48
COBERTURA - L3
ESC 1:20



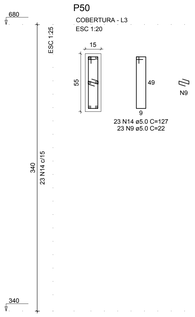
23 N2 ø5.0 C=97
2x23 N1 ø5.0 C=22

P49
COBERTURA - L3
ESC 1:20



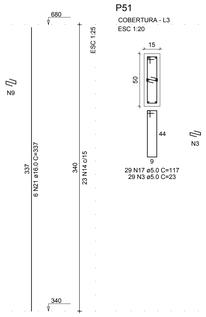
23 N14 ø5.0 C=127
3x23 N1 ø5.0 C=22

P50
COBERTURA - L3
ESC 1:20



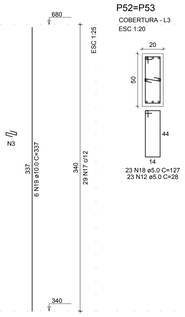
23 N14 ø5.0 C=127
23 N9 ø5.0 C=22

P51
COBERTURA - L3
ESC 1:20



29 N17 ø5.0 C=117
29 N3 ø5.0 C=23

P52=P53
COBERTURA - L3
ESC 1:20



23 N18 ø5.0 C=127
23 N12 ø5.0 C=28

RELAÇÃO DO AÇO

P1	P2	2xP3	
P4	P5	P6	
13xP7	P8	P9	
3xP10	P11	P19	
2xP20	P21	P22	
P25	P33	P37	
P38	P40	2xP41	
P43	P44	P46	
P48	P49	P50	
P51	2xP52		

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	322	22	7084
	2	5.0	202	97	19594
	3	5.0	261	23	6003
	4	5.0	29	77	2233
	5	5.0	189	93	3787
	6	5.0	169	63	7155
	7	5.0	18	27	486
	8	5.0	118	117	13806
	9	5.0	69	22	1518
	10	5.0	638	20	12760
	11	5.0	29	67	1943
	12	5.0	207	28	5796
	13	5.0	72	28	2016
	14	5.0	150	127	19050
	15	5.0	29	123	3567
	16	5.0	27	20	540
	17	5.0	29	117	3393
	18	5.0	46	127	5842
CA50	19	10.0	186	337	62682
	20	12.5	168	337	56616
	21	16.0	52	337	17524
	22	20.0	6	337	2022

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO+10% (kg)
CA50	10.0	626.8	425.2
	12.5	566.2	600.3
	16.0	175.2	304.5
	20.0	20.2	54.9
CA60	5.0	1817.6	307.9

PESO TOTAL (kg)	
CA50	1385
CA60	307.9

Volume de concreto (C-25) = 11.38 m³
Área de forma = 206.65 m²

APROVAÇÃO:

ESTRUTURAL - APROVAÇÃO

PREFEITURA DE AURELINO LEAL

Endereço: RUA RAILDA VILLAS BOAS, S/N. - CENTRO - AURELINO LEAL - BA

Proprietário
MUNICIPIO DE AURELINO LEAL - CNPJ: 16.137.291/0001-02

Autor do projeto
GILBERTO ALMEIDA FILHO - CREA-BA 49.898 RNP 050158871-0

Responsável Técnico
GILBERTO ALMEIDA FILHO - CREA-BA 49.898 RNP 050158871-0

CONTEÚDO
PROJETO ESTRUTURAL: DETALHAMENTO DOS PILARES DO PAVIMENTO COBERTURA

AREA DO TERRENO ORIGINAL: 859.28M2	FOLHA: 20/26
AREA TOTAL DA CONSTRUÇÃO: 1.119,13M2	
TAXA DE OCUPAÇÃO: 66,13%	
COEFICIENTE DE APROVEITAMENTO: 1.30	
AREA DA CONSTRUÇÃO TÉRREO: 568.30M2	DATA: 25/04/2023
AREA DA CONSTRUÇÃO 1º PAV. (SE HOUVER): 550.80M2	DISCIPLINA: ESTRUTURAL

A0

P1
SUPERIOR - L2
ESC 1:20
29 N2 ø5.0 C=97
2x29 N1 ø5.0 C=23
6 N21 ø10.0 C=378
29 N2 c/12
23 N2 c/15
0

P2
SUPERIOR - L2
ESC 1:20
29 N3 ø5.0 C=77
2 N20 ø10.0 C=75
4 N21 ø10.0 C=378
29 N3 c/12
0

P3=P10=P41
SUPERIOR - L2
ESC 1:20
23 N2 ø5.0 C=97
2x23 N4 ø5.0 C=22
12 N23 ø12.5 C=387
6 N21 ø10.0 C=378
29 N3 c/12
23 N5 c/15
0

P4=P9
SUPERIOR - L2
ESC 1:20
23 N5 ø5.0 C=107
4x23 N4 ø5.0 C=22
16 N23 ø12.5 C=387
0

P5=P46
SUPERIOR - L2
ESC 1:20
23 N2 ø5.0 C=97
23 N6 ø5.0 C=22
6 N26 ø16.0 C=400
23 N2 c/15
0

P6
SUPERIOR - L2
ESC 1:20
29 N8 ø5.0 C=93
29 N7 ø5.0 C=20
2 N20 ø10.0 C=75
6 N21 ø10.0 C=378
29 N8 c/12
0

P7=P12=P13=P14=P15=P16=P17=
=P18=P24=P27=P28=P29=P31=
=P34=P36=P45=P52
SUPERIOR - L2
ESC 1:20
29 N8 ø5.0 C=93
29 N7 ø5.0 C=20
6 N21 ø10.0 C=378
29 N8 c/12
0

P8
SUPERIOR - L2
ESC 1:20
29 N9 ø5.0 C=67
4 N21 ø10.0 C=378
29 N9 c/12
0

P11
SUPERIOR - L2
ESC 1:20
23 N2 ø5.0 C=97
23 N6 ø5.0 C=22
12 N20 ø10.0 C=75
6 N26 ø16.0 C=400
23 N2 c/15
0

P19
SUPERIOR - L2
ESC 1:20
18 N11 ø5.0 C=127
18 N10 ø5.0 C=28
18 N11 c/19
0

P20
SUPERIOR - L2
ESC 1:20
23 N11 ø5.0 C=127
2x23 N12 ø5.0 C=28
12 N23 ø12.5 C=387
23 N11 c/15
0

RELAÇÃO DO AÇO

P1	P2	3xP3
2xP4	2xP5	P6
17xP7	P8	P11
P19	P20	P21
P22	P23	P25
P26	2xP30	P32
P33	P35	P37
P38	P39	P40
2xP42	P44	P47
P48	2xP49	P51

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	580	23	13340
	2	5.0	312	97	30264
	3	5.0	29	77	2233
	4	5.0	562	22	12364
	5	5.0	46	107	4922
	6	5.0	69	22	1518
	7	5.0	696	20	13920
	8	5.0	663	93	61659
	9	5.0	29	67	1943
	10	5.0	18	28	504
	11	5.0	99	127	12573
	12	5.0	58	178	10324
	13	5.0	185	127	23136
	14	5.0	54	20	1080
	15	5.0	29	123	3567
	16	5.0	174	28	4872
	17	5.0	69	33	2277
	18	5.0	23	137	3151
	19	5.0	54	117	6318
CA50	20	10.0	38	75	2850
	21	10.0	244	378	92232
	22	10.0	28	337	9436
	23	12.5	110	387	42570
	24	12.5	26	94	2444
	25	12.5	22	337	7414
	26	16.0	38	400	15200
	27	16.0	6	121	726

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO+10% (kg)
CA50	10.0	1045.2	709
	12.5	524.3	555.9
	16.0	159.3	276.8
CA60	5.0	1999.5	338.7
PESO TOTAL (kg)			
CA50	1541.7		
CA60	338.7		

Volume de concreto (C-25) = 11.47 m³
Área de forma = 207.88 m²

P21
SUPERIOR - L2
ESC 1:20
29 N13 ø5.0 C=127
29 N1 ø5.0 C=23
6 N21 ø10.0 C=378
29 N13 c/12
0

P22
SUPERIOR - L2
ESC 1:20
29 N13 ø5.0 C=127
2x29 N1 ø5.0 C=23
10 N20 ø10.0 C=75
8 N21 ø10.0 C=378
29 N13 c/12
0

P23
SUPERIOR - L2
ESC 1:20
27 N8 ø5.0 C=93
27 N14 ø5.0 C=20
12 N23 ø12.5 C=387
27 N8 c/13
0

P25
SUPERIOR - L2
ESC 1:20
29 N15 ø5.0 C=123
29 N7 ø5.0 C=20
6 N21 ø10.0 C=378
29 N15 c/12
0

P26
SUPERIOR - L2
ESC 1:20
29 N8 ø5.0 C=93
29 N7 ø5.0 C=20
6 N24 ø12.5 C=94
6 N22 ø10.0 C=337
29 N8 c/12
0

P30=P53
SUPERIOR - L2
ESC 1:20
29 N2 ø5.0 C=97
29 N1 ø5.0 C=23
6 N21 ø10.0 C=378
29 N2 c/12
0

P32
SUPERIOR - L2
ESC 1:20
29 N8 ø5.0 C=93
2x29 N7 ø5.0 C=20
4 N22 ø10.0 C=337
8 N21 ø10.0 C=378
29 N8 c/12
0

P33
SUPERIOR - L2
ESC 1:20
27 N8 ø5.0 C=93
27 N14 ø5.0 C=20
6 N27 ø16.0 C=241
10 N28 ø12.5 C=337
27 N8 c/13
0

P35
SUPERIOR - L2
ESC 1:20
29 N8 ø5.0 C=93
2x29 N7 ø5.0 C=20
2 N22 ø10.0 C=337
6 N21 ø10.0 C=378
29 N8 c/12
0

P37
SUPERIOR - L2
ESC 1:20
29 N13 ø5.0 C=127
29 N1 ø5.0 C=23
6 N21 ø10.0 C=378
29 N13 c/12
0

P38
SUPERIOR - L2
ESC 1:20
23 N13 ø5.0 C=127
5x23 N4 ø5.0 C=22
12 N23 ø12.5 C=387
6 N21 ø10.0 C=378
23 N13 c/15
0

P39
SUPERIOR - L2
ESC 1:20
29 N2 ø5.0 C=97
3x29 N1 ø5.0 C=23
14 N21 ø10.0 C=378
29 N2 c/12
0

P40
SUPERIOR - L2
ESC 1:20
29 N11 ø5.0 C=127
3x29 N16 ø5.0 C=28
10 N21 ø10.0 C=378
29 N11 c/12
0

P42=P43
SUPERIOR - L2
ESC 1:20
29 N2 ø5.0 C=97
2x29 N1 ø5.0 C=23
12 N21 ø10.0 C=378
29 N2 c/12
0

P44
SUPERIOR - L2
ESC 1:20
23 N18 ø5.0 C=137
3x23 N17 ø5.0 C=33
14 N26 ø16.0 C=400
23 N18 c/15
0

P47
SUPERIOR - L2
ESC 1:20
29 N11 ø5.0 C=127
3x29 N16 ø5.0 C=28
14 N21 ø10.0 C=378
29 N11 c/12
0

P48
SUPERIOR - L2
ESC 1:20
25 N19 ø5.0 C=117
5x5 N4 ø5.0 C=22
5x20 N4 ø5.0 C=22
19 N23 ø12.5 C=387
5 N19 c/15
50
0

P49=P50
SUPERIOR - L2
ESC 1:20
29 N13 ø5.0 C=127
2x29 N1 ø5.0 C=23
10 N24 ø12.5 C=94
8 N28 ø16.0 C=337
29 N13 c/12
0

P51
SUPERIOR - L2
ESC 1:20
29 N19 ø5.0 C=117
29 N1 ø5.0 C=23
6 N21 ø10.0 C=378
29 N19 c/12
0

APROVAÇÃO:

ESTRUTURAL - APROVAÇÃO

PREFEITURA DE AURELINO LEAL

Endereço: RUA RAILDA VILLAS BOAS, S/N. - CENTRO - AURELINO LEAL - BA

Proprietário: MUNICIPIO DE AURELINO LEAL - CNPJ: 16.137.291/0001-02

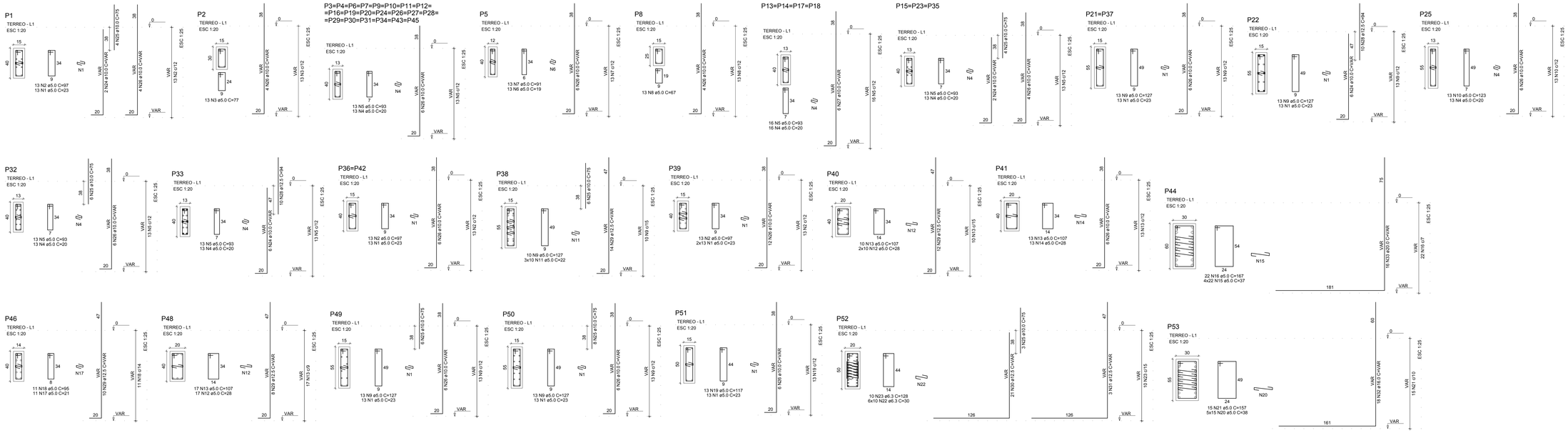
Autor do projeto: GILBERTO ALMEIDA FILHO - CREA-BA 49.898 RNP 050158871-0

Responsável Técnico: GILBERTO ALMEIDA FILHO - CREA-BA 49.898 RNP 050158871-0

CONTEÚDO: PROJETO ESTRUTURAL: DETALHAMENTO DOS PILARES DO PAVIMENTO SUPERIOR

AREA DO TERRENO ORIGINAL: 850,26M2	FOLHA: 19/26
AREA TOTAL DA CONSTRUÇÃO: 1.119,13M2	
TAXA DE OCUPAÇÃO: 66,13%	
COEFICIENTE DE APROVEITAMENTO: 1.30	
AREA DA CONSTRUÇÃO TÉRREO: 568,30M2	DATA: 20/04/2023
AREA DA CONSTRUÇÃO 1° PAV. (SE HOUVER): 550,83M2	DISCIPLINA: ESTRUTURAL

A0



RELAÇÃO DO AÇO

P1	P2	21xP3
P5	P8	4xP13
3xP15	2xP21	P22
P25	P32	P33
2xP36	P38	P39
P40	P41	P44
P46	P48	P49
P50	P51	P52
P53		

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	143	23	3289
	2	5.0	52	97	5044
	3	5.0	13	77	1001
	4	5.0	415	20	8300
	5	5.0	402	93	37386
	6	5.0	13	19	247
	7	5.0	13	91	1183
	8	5.0	13	67	871
	9	5.0	75	127	9525
	10	5.0	13	123	1599
	11	5.0	30	22	660
	12	5.0	37	28	1036
	13	5.0	40	107	4280
	14	5.0	13	28	364
	15	5.0	88	37	3256
	16	5.0	22	167	3674
	17	5.0	11	97	1067
	18	5.0	11	95	1045
	19	5.0	13	117	1521
	20	5.0	75	38	2850
	21	5.0	15	157	2355
CA50	22	6.3	60	30	1800
	23	6.3	10	128	1280
	24	10.0	20	VAR	VAR
	25	10.0	45	75	3375
	26	10.0	228	VAR	VAR
	27	10.0	24	VAR	VAR
	28	12.5	20	94	1880
	29	12.5	44	VAR	VAR
	30	12.5	21	VAR	VAR
	31	12.5	3	VAR	VAR
	32	16.0	18	VAR	VAR
	33	20.0	16	VAR	VAR

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO+10% (kg)
CA50	6.3	30.7	8.3
	10.0	583.6	395.9
	12.5	176.4	187.1
	16.0	65.4	113.7
	20.0	63.4	172.1
CA60	5.0	900.6	152.9

PESO TOTAL (kg)	
CA50	877
CA60	152.5

Volume de concreto (C-25) = 5.05 m³
Área de forma = 91.07 m²

APROVAÇÃO:

ESTRUTURAL - APROVAÇÃO

PREFEITURA DE AURELINO LEAL

Endereço: RUA RAILDA VILLAS BOAS, S/N. - CENTRO - AURELINO LEAL - BA

Proprietário
MUNICIPIO DE AURELINO LEAL - CNPJ: 16.137.291/0001-02

Autor do projeto
GILBERTO ALMEIDA FILHO - CREA-BA 49.898 RNP 05015887I-0

Responsável Técnico
GILBERTO ALMEIDA FILHO - CREA-BA 49.898 RNP 05015887I-0

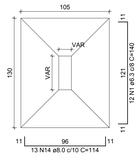
CONTEÚDO
PROJETO ESTRUTURAL: DETALHAMENTO DOS PILARES DO PAVIMENTO TÉRREO

AREA DO TERRENO ORIGINAL: 850.26M2	FOLHA: 18/26
AREA TOTAL DA CONSTRUÇÃO: 1.119.13M2	
TAXA DE OCUPAÇÃO: 66.13%	
COEFICIENTE DE APROVEITAMENTO: 1.30	
AREA DA CONSTRUÇÃO TÉRREO: 568.30M2	DATA: 25/04/2023
AREA DA CONSTRUÇÃO 1º PAV. (SE HOUVER): 550.83M2	DISCIPLINA: ESTRUTURAL

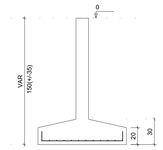
A0

S1=S3=S6=S35

PLANTA
ESC 1:25



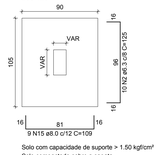
CORTE
ESC 1:25



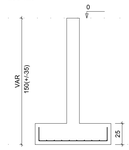
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S2=S36

PLANTA
ESC 1:25



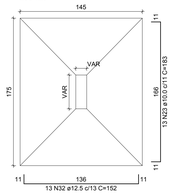
CORTE
ESC 1:25



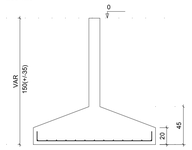
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S4=S42

PLANTA
ESC 1:25



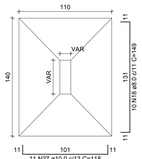
CORTE
ESC 1:25



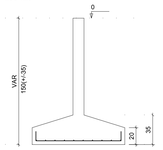
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S5=S11=S15=S23=S29=S32=S39

PLANTA
ESC 1:25



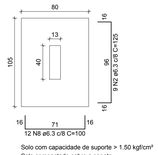
CORTE
ESC 1:25



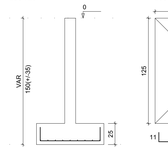
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S7=S34

PLANTA
ESC 1:25



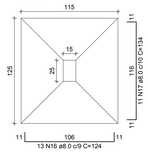
CORTE
ESC 1:25



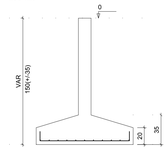
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S8

PLANTA
ESC 1:25



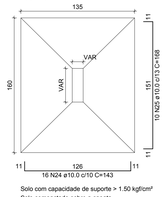
CORTE
ESC 1:25



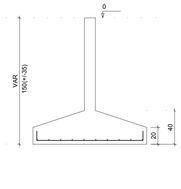
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S9=S30=S46

PLANTA
ESC 1:25



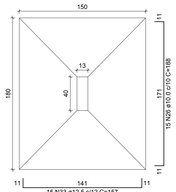
CORTE
ESC 1:25



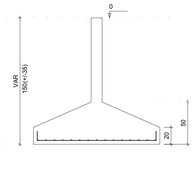
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S10

PLANTA
ESC 1:25



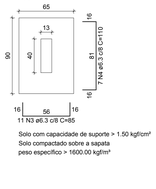
CORTE
ESC 1:25



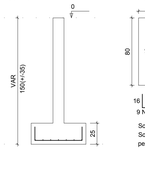
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S12=S45

PLANTA
ESC 1:25



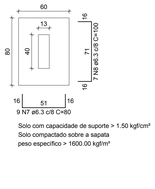
CORTE
ESC 1:25



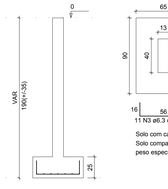
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S13=S18

PLANTA
ESC 1:25



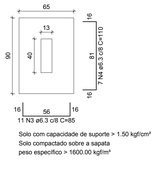
CORTE
ESC 1:25



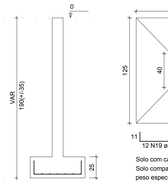
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S14

PLANTA
ESC 1:25



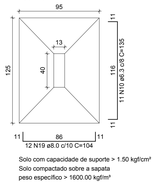
CORTE
ESC 1:25



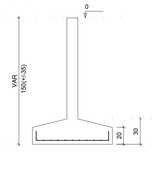
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S16=S24=S26=S28=S31

PLANTA
ESC 1:25



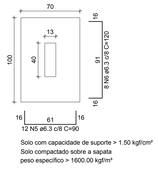
CORTE
ESC 1:25



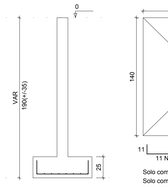
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S17

PLANTA
ESC 1:25



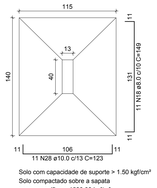
CORTE
ESC 1:25



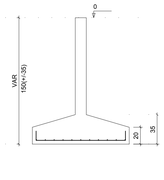
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S19=S20=S33=S43

PLANTA
ESC 1:25



CORTE
ESC 1:25



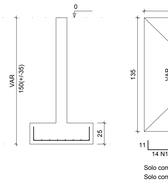
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S21=S27

PLANTA
ESC 1:25



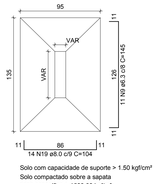
CORTE
ESC 1:25



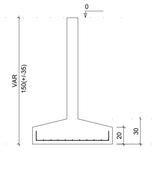
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S22=S25

PLANTA
ESC 1:25



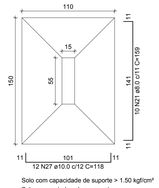
CORTE
ESC 1:25



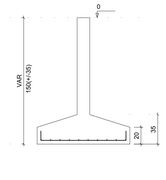
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S37

PLANTA
ESC 1:25



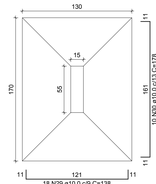
CORTE
ESC 1:25



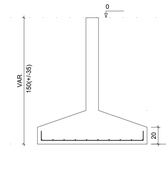
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S38

PLANTA
ESC 1:25



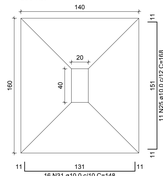
CORTE
ESC 1:25



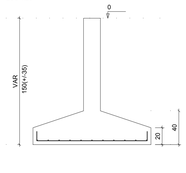
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S40

PLANTA
ESC 1:25



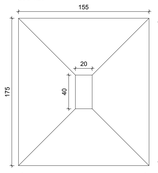
CORTE
ESC 1:25



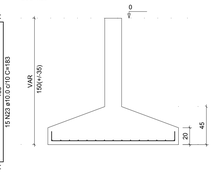
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S41

PLANTA
ESC 1:25



CORTE
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S44

PLANTA
ESC 1:25

CORTE
ESC 1:25

Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S48

PLANTA
ESC 1:25

CORTE
ESC 1:25

Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S49

PLANTA
ESC 1:25

CORTE
ESC 1:25

Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S50

PLANTA
ESC 1:25

CORTE
ESC 1:25

Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S51

PLANTA
ESC 1:25

CORTE
ESC 1:25

Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S52

PLANTA
ESC 1:25

CORTE
ESC 1:25

Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S53

PLANTA
ESC 1:25

CORTE
ESC 1:25

Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

RELAÇÃO DO AÇO

4xS1	2xS2	2xS4
S6	3xS9	S10
7xS11	S14	S17
2xS18	4xS19	2xS25
5xS26	2xS27	2xS34
S37	S38	S40
S41	S44	2xS45
S48	S49	S50
S51	S52	S53

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	48	140	6720
	2	6.3	54	125	6750
	3	6.3	33	85	2805
	4	6.3	21	110	2310
	5	6.3	12	90	1080
	6	6.3	8	120	960
	7	6.3	29	80	2320
	8	6.3	38	100	3800
	9	6.3	22	145	3190
	10	6.3	9	140	1260
	11	6.3	13	150	1950
	12	6.3	11	140	1850
	13	6.3	7	115	805
	14	8.0	52	114	5928
	15	8.0	31	109	3379
	16	8.0	13	124	1612
	17	8.0	11	134	1474
	18	8.0	114	149	16986
	19	8.0	88	104	9152
	20	8.0	18	94	1692
	21	8.0	10	159	1590
	22	8.0	11	99	1089
	23	10.0	41	183	7503
	24	10.0	48	143	6864
	25	10.0	41	168	6888
	26	10.0	15	188	2820
	27	10.0	89	118	10502
	28	10.0	44	123	5412
	29	10.0	16	138	2484
	30	10.0	10	178	1780
	31	10.0	16	148	2368
	32	12.5	26	152	3952
	33	12.5	16	162	2592
	34	12.5	13	162	2106
	35	12.5	15	207	3105
	36	12.5	11	232	2552
	37	16.0	15	286	4290
	38	16.0	13	316	4108
	39	16.0	12	186	2232
	40	16.0	9	201	1809
	41	16.0	12	246	2952
	42	16.0	10	276	2760

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO+10% (kg)
CA50	6.3	411.2	110.9
	8.0	430.2	187
	10.0	467.6	317.2
	12.5	140.9	149.4
	16.0	181.3	315
PESO TOTAL (kg)			
CA50	1079.5		

Volume de concreto (C-25) = 26.28 m³
Área de forma = 63.48 m²

APROVAÇÃO:

ESTRUTURAL - APROVAÇÃO

PREFEITURA DE AURELINO LEAL

Endereço: RUA RAILDA VILLAS BOAS, S/N. - CENTRO - AURELINO LEAL - BA

Proprietário
MUNICIPIO DE AURELINO LEAL - CNPJ: 16.137.291/0001-02

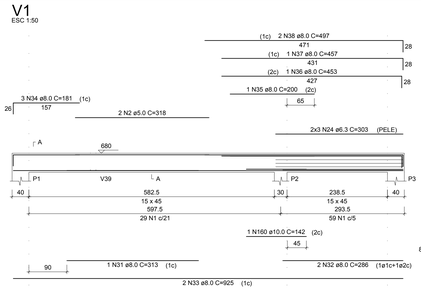
Autor do projeto
GILBERTO ALMEIDA FILHO - CREA-BA 49.898 RNP 050158871-0

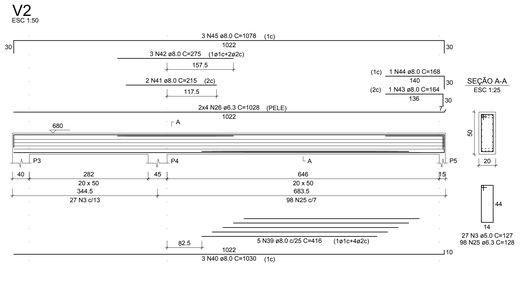
Responsável Técnico
GILBERTO ALMEIDA FILHO - CREA-BA 49.898 RNP 050158871-0

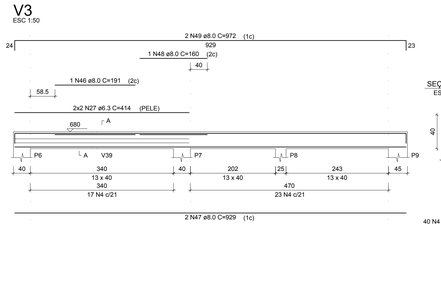
CONTEUDO
PROJETO ESTRUTURAL: DETALHAMENTO DAS SAPATAS

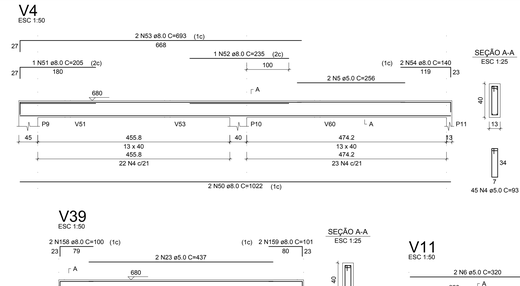
AREA DO TERRENO ORIGINAL: 899.26M2	FOLHA: 3/26
AREA TOTAL DA CONSTRUÇÃO: 1.119.13M2	
TAXA DE OCUPAÇÃO: 68.13%	
COEFICIENTE DE APROVEITAMENTO: 1.30	
AREA DA CONSTRUÇÃO TÉRREO: 568.30M2	DATA: 20/04/2023
AREA DA CONSTRUÇÃO 1° PAV. (SE HOUVER): 550.83M2	DISCIPLINA: ESTRUTURAL

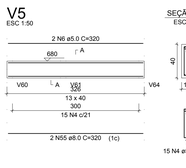
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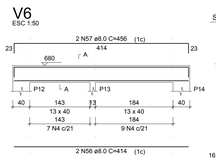


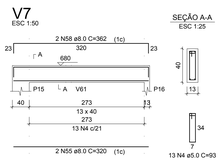


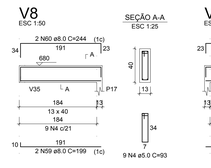


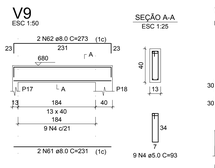


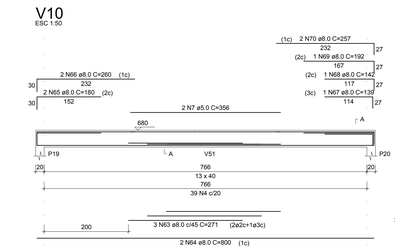


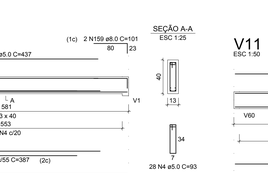


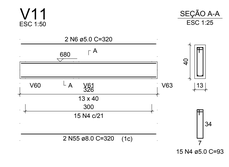


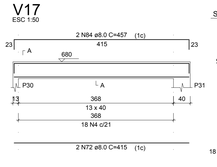


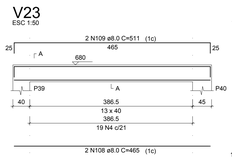


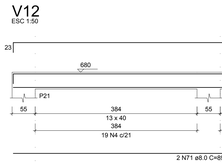


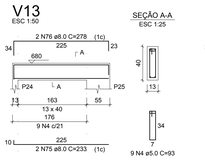


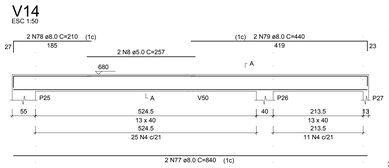


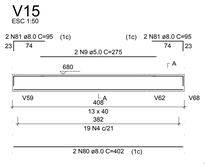


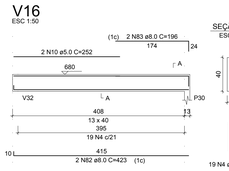


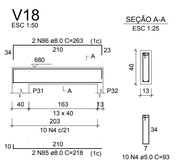


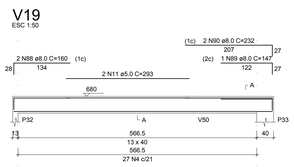


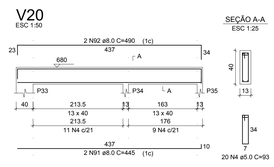


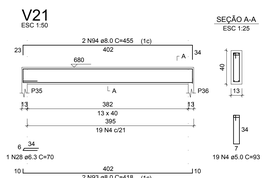


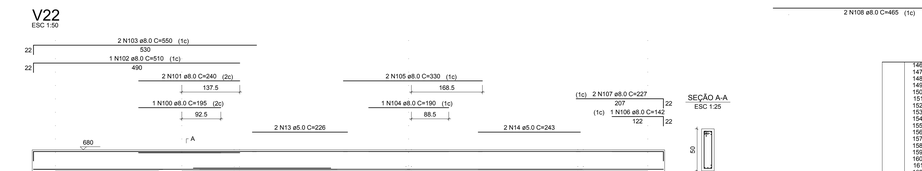


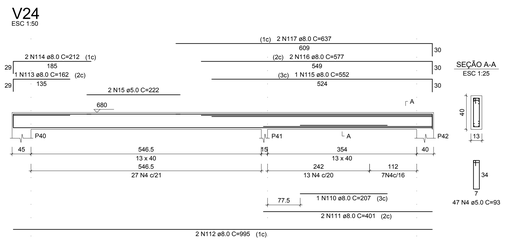


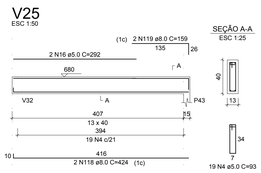


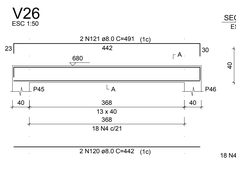


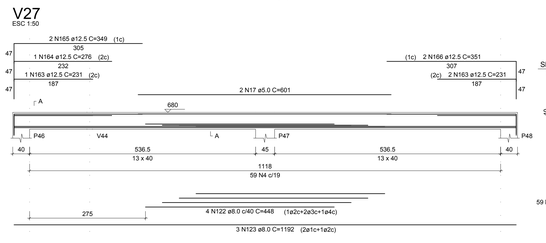


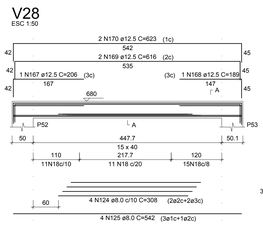


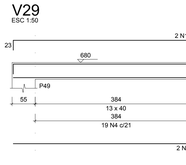


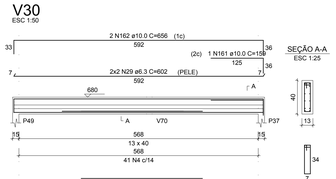


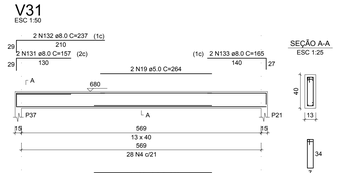


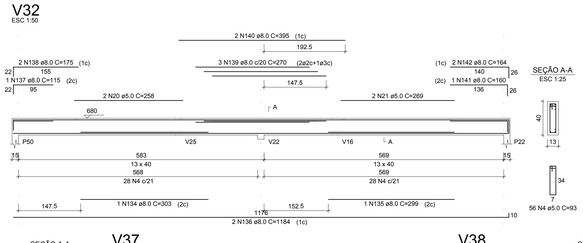


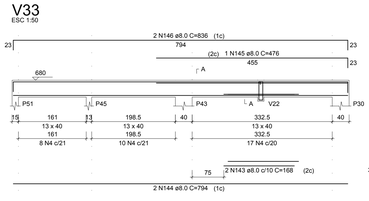


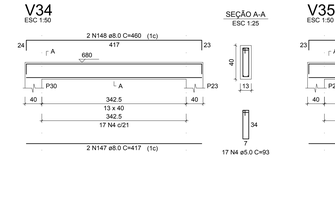


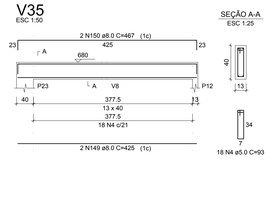


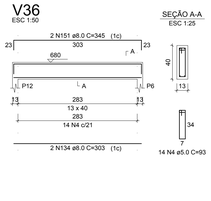


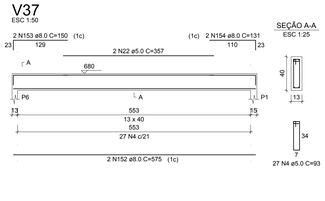


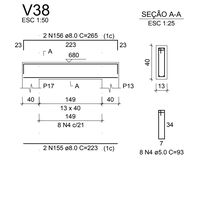












RELAÇÃO DO AÇO

V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	V12
V13	V14	V15
V16	V17	V18
V19	V20	V21
V22	V23	V24
V25	V26	V27
V28	V29	V30
V31	V32	V33
V34	V35	V36
V37	V38	V39

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	68	107	9416
	2	5.0	2	318	636
	3	5.0	27	127	3429
	4	5.0	906	93	84258
	5	5.0	2	256	512
	6	5.0	4	320	1280
	7	5.0	2	356	712
	8	5.0	2	257	514
	9	5.0	2	275	550
	10	5.0	2	252	504
	11	5.0	2	293	586
	12	5.0	56	117	6552
	13	5.0	2	226	452
	14	5.0	2	127	254
	15	5.0	2	252	504
	16	5.0	2	292	584
	17	5.0	2	601	1202
	18	5.0	37	97	3589
	19	5.0	2	264	528
	20	5.0	2	258	516
	21	5.0	2	269	538
	22	5.0	2	357	714
	23	5.0	2	437	874
	24	6.3	6	303	1818
	25	6.3	98	128	12544
	26	6.3	8	1028	8224
	27	6.3	4	414	1656
	28	6.3	1	70	70
	29	6.3	4	602	2408
	30	6.3	2	118	236
	31	6.3	1	313	313
	32	8.0	2	286	572
	33	8.0	2	925	1850
	34	8.0	3	181	543
	35	8.0	1	200	200
	36	8.0	1	457	457
	37	8.0	1	453	453
	38	8.0	2	497	994
	39	8.0	5	416	2080
	40	8.0	3	1030	3090
	41	8.0	2	215	430
	42	8.0	2	275	825
	43	8.0	1	164	164
	44	8.0	1	168	168
	45	8.0	3	1078	3234
	46	8.0	1	191	191
	47	8.0	2	929	1858
	48	8.0	1	160	160
	49	8.0	2	972	1944
	50	8.0	2	1022	2044
	51	8.0	1	205	205
	52	8.0	1	235	235
	53	8.0	2	693	1386
	54	8.0	2	140	280
	55	8.0	6	320	1920
	56	8.0	2	414	828
	57	8.0	2	456	912
	58	8.0	2	362	724
	59	8.0	2	199	398
	60	8.0	2	144	288
	61	8.0	2	231	462
	62	8.0	2	273	546
	63	8.0	3	271	813
	64	8.0	2	800	1600
	65	8.0	2	180	360
	66	8.0	2	260	520
	67	8.0	1	139	139
	68	8.0	1	142	142
	69	8.0	1	192	192
	70	8.0	2	257	514
	71	8.0	4	896	3584
	72	8.0	4	415	1660
	73	8.0	4	1198	4792
	74	8.0	2	195	390
	75	8.0	2	233	466
	76	8.0	2	278	556
	77	8.0	2	840	1680
	78	8.0	2	210	420
	79	8.0	2	440	880
	80	8.0	2	402	804
	81	8.0	2	453	906
	82	8.0	2	166	332
	84	8.0	2	457	914
	85	8.0	2	218	436
	86	8.0	2	263	526
	87	8.0	2	614	1228
	88	8.0	2	160	320
	89	8.0	1	147	147
	90	8.0	2	232	464
	91	8.0	2	445	890
	92	8.0	2	490	980
	93	8.0	2	418	836
	94	8.0	2	455	910
	95	8.0	1	307	307
	96	8.0	2	326	652
	97	8.0	2	894	1788
	98	8.0	1	248	248
	99	8.0	2	608	1216
	100	8.0	1	195	195
	101	8.0	2	240	480
	102	8.0	1	510	510
	103	8.0	2	550	1100
	104	8.0	2	190	380
	105	8.0	1	330	660
	106	8.0	1	142	142
	107	8.0	2	227	454
	108	8.0	2	465	930
	109	8.0	2	511	1022
	110	8.0	1	207	207
	111	8.0	2	401	802
	112	8.0	2	995	1990
	113	8.0	1	162	162
	114	8.0	2	212	424
	115	8.0	1	552	552
	116	8.0	2	577	1154
	117	8.0	2	434	868
	118	8.0	2	124	248
	119	8.0	2	159	318
	120	8.0	2	442	884
	121	8.0	2	491	982
	122	8.0	4	448	1792
	123	8.0	3	1192	3576
	124	8.0	4	308	1232
	125	8.0	4	542	2168
	126	8.0	2	938	1876
	127	8.0	2	288	576
	128	8.0	2	600	1200
	129	8.0	1	279	279
	130	8.0	2	593	1186
	131	8.0	2	157	314
	132	8.0	2	237	474
	133	8.0	2	165	330
	134	8.0	3	303	909
	135	8.0	1	299	299
	136	8.0	2	1184	2368
	137	8.0	1	115	115
	138	8.0	1	175	350
	139	8.0	3	270	810
	140	8.0	2	135	270
	141	8.0	1	160	160
	142	8.0	2	164	328
	143	8.0	2	168	336
	144	8.0	2	794	1588
	145	8.0	1	476	476
	146	8.0	2	836	1672
	147	8.0	2	417	834
	148	8.0	2	460	920
	149	8.0	2	425	850
	150	8.0	2	467	934
	151	8.0	2	345	690
	152	8.0	4	575	2300
	153	8.0	2	150	300
	154	8.0	2	131	262
	155	8.0	2	223	446
	156	8.0	2	265	530
	157	8.0	2	387	774
	158	8.0	2	100	200
	159	8.0	2	101	202
	160	10.0	1	142	142
	161	10.0	1	159	159
	162	10.0	2	656	1312
	163	12.5	3	231	693
	164	12.5	1	276	276
	165	12.5	2	349	698
	166	12.5	2	351	702
	167	12.5	1	206	206
	168	12.5	1	189	189
	169	12.5	2	616	1232
	170	12.5	2	623	1246

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO+10% (kg)
CA50	6.3	269.4	72.6
	8.0	1103.1	479.5
	10.0	16.1	10.9
	12.5	52.4	55.6
CA60	5.0	1194.3	202.3

PESO TOTAL (kg)

CA50	618.7
CA60	202.3

Volume de concreto (C-25) = 13.56 m³
Área de forma = 231.49 m²

APROVAÇÃO:

ESTRUTURAL - APROVAÇÃO

PREFEITURA DE AURELINO LEAL

Endereço: RUA RAILDA VILLAS BOAS, S/N. - CENTRO - AURELINO LEAL - BA

Proprietário: MUNICIPIO DE AURELINO LEAL - CNPJ: 16.137.291/0001-02

Autor do projeto: GILBERTO ALMEIDA FILHO - CREA-BA 49.898 RNP 050158871-0

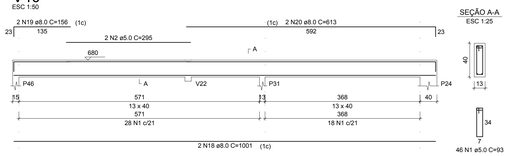
Responsável Técnico: GILBERTO ALMEIDA FILHO - CREA-BA 49.898 RNP 050158871-0

CONTEÚDO: PROJETO ESTRUTURAL: DETALHAMENTO DAS VIGAS - PAVIMENTO COBERTURA

AREA DO TERRENO ORIGINAL: 859,26M2	FOLHA: 25/26
AREA TOTAL DA CONSTRUÇÃO: 1.119,13M2	
TAXA DE OCUPAÇÃO: 66,13%	
COEFICIENTE DE APROVEITAMENTO: 1.30	
AREA DA CONSTRUÇÃO TÉRREO: 568,30M2	DATA: 20/04/2023
AREA DA CONSTRUÇÃO 1° PAV. (SE HOUVER): 550,83M2	DISCIPLINA: ESTRUTURAL

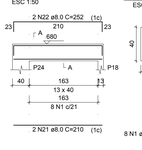
A0

V40
ESC 1:50

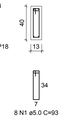


SEÇÃO A-A
ESC 1:25

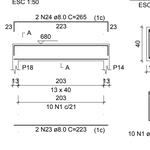
V41
ESC 1:50



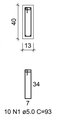
SEÇÃO A-A
ESC 1:25



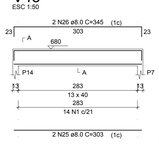
V42
ESC 1:50



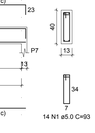
SEÇÃO A-A
ESC 1:25



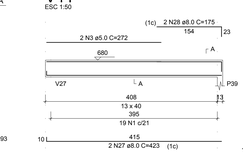
V43
ESC 1:50



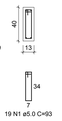
SEÇÃO A-A
ESC 1:25



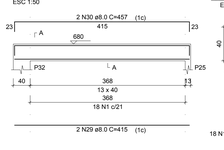
V44
ESC 1:50



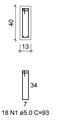
SEÇÃO A-A
ESC 1:25



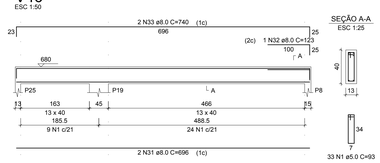
V45
ESC 1:50



SEÇÃO A-A
ESC 1:25

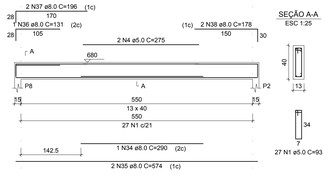


V46
ESC 1:50



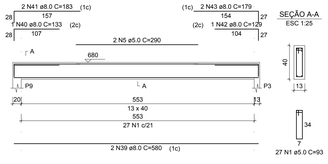
SEÇÃO A-A
ESC 1:25

V47
ESC 1:50



SEÇÃO A-A
ESC 1:25

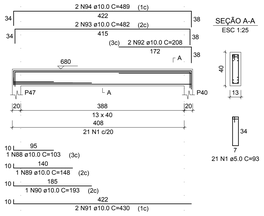
V48
ESC 1:50



(1c) 2 N43 ø8.0 C=179
154
(2c) 1 N42 ø8.0 C=129
104

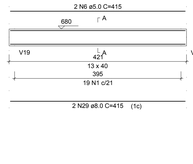
SEÇÃO A-A
ESC 1:25

V49
ESC 1:50

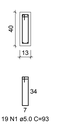


SEÇÃO A-A
ESC 1:25

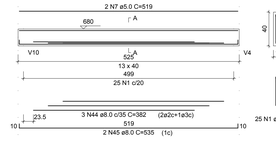
V50
ESC 1:50



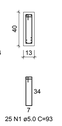
SEÇÃO A-A
ESC 1:25



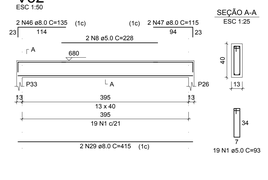
V51
ESC 1:50



SEÇÃO A-A
ESC 1:25

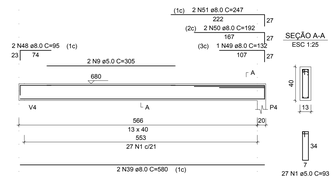


V52
ESC 1:50



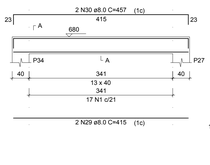
SEÇÃO A-A
ESC 1:25

V53
ESC 1:50

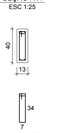


SEÇÃO A-A
ESC 1:25

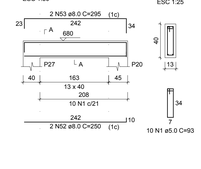
V54
ESC 1:50



SEÇÃO A-A
ESC 1:25

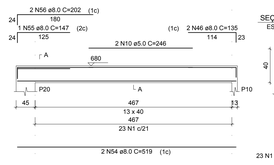


V55
ESC 1:50

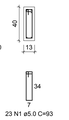


SEÇÃO A-A
ESC 1:25

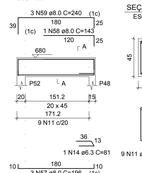
V56
ESC 1:50



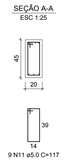
SEÇÃO A-A
ESC 1:25



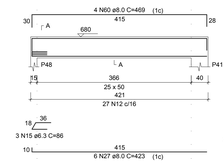
V57
ESC 1:50



SEÇÃO A-A
ESC 1:25



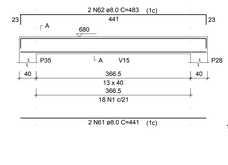
V58
ESC 1:50



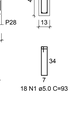
SEÇÃO A-A
ESC 1:25



V59
ESC 1:50



SEÇÃO A-A
ESC 1:25



V60
ESC 1:50

SEÇÃO A-A
ESC 1:25

V61
ESC 1:50

SEÇÃO A-A
ESC 1:25

V62
ESC 1:50

SEÇÃO A-A
ESC 1:25

V63
ESC 1:50

SEÇÃO A-A
ESC 1:25

V64
ESC 1:50

SEÇÃO A-A
ESC 1:25

V65
ESC 1:50

SEÇÃO A-A
ESC 1:25

V66
ESC 1:50

SEÇÃO A-A
ESC 1:25

V67
ESC 1:50

SEÇÃO A-A
ESC 1:25

V68
ESC 1:50

SEÇÃO A-A
ESC 1:25

V69
ESC 1:50

SEÇÃO A-A
ESC 1:25

V70
ESC 1:50

SEÇÃO A-A
ESC 1:25

RELAÇÃO DO AÇO

V40		V41		V42	
V43		V44		V45	
V46		V47		V48	
V49		V50		V51	
V52		V53		V54	
V55		V56		V57	
V58		V59		V60	
V61		V62		V63	
V64		V65		V66	
V67		V68		V69	
V70					

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	621	93	57753
	2	5.0	2	295	590
	3	5.0	2	272	544
	4	5.0	2	275	550
	5	5.0	2	290	580
	6	5.0	2	415	830
	7	5.0	2	519	1038
	8	5.0	2	228	456
	9	5.0	2	305	610
	10	5.0	2	246	492
	11	5.0	9	117	1053
	12	5.0	27	137	3699
	13	5.0	2	238	476
CA50	14	6.3	1	81	81
	15	6.3	3	86	258
	16	6.3	2	124	248
	17	6.3	4	643	2572
	18	8.0	2	1001	2002
	19	8.0	2	156	312
	20	8.0	2	613	1226
	21	8.0	2	252	504
	22	8.0	2	252	504
	23	8.0	2	223	446
	24	8.0	2	265	530
	25	8.0	2	303	606
	26	8.0	2	345	690
	27	8.0	8	423	3384
	28	8.0	2	175	350
	29	8.0	8	415	3320
	30	8.0	4	457	1828
	31	8.0	2	696	1392
	32	8.0	1	123	123
	33	8.0	2	740	1480
	34	8.0	1	290	290
	35	8.0	2	574	1148
	36	8.0	1	131	131
	37	8.0	2	196	392
	38	8.0	1	178	356
	39	8.0	4	580	2320
	40	8.0	1	133	133
	41	8.0	2	183	366
	42	8.0	1	129	129
	43	8.0	3	382	1146
	44	8.0	3	382	1146
	45	8.0	2	535	1070
	46	8.0	4	135	540
	47	8.0	2	115	230
	48	8.0	2	95	190
	49	8.0	1	132	132
	50	8.0	2	192	384
	51	8.0	2	247	494
	52	8.0	2	250	500
	53	8.0	2	295	590
	54	8.0	2	519	1038
	55	8.0	1	147	147
	56	8.0	2	202	404
	57	8.0	2	196	392
	58	8.0	1	143	143
	59	8.0	3	240	720
	60	8.0	4	469	1876
	61	8.0	2	682	682
	62	8.0	2	483	966
	63	8.0	2	705	1410
	64	8.0	2	750	1500
	65	8.0	2	599	1198
	66	8.0	2	535	1070
	67	8.0	2	297	474
	68	8.0	2	282	564
	69	8.0	2	366	732
	70	8.0	2	408	816
	71	8.0	2	378	756
	72	8.0	2	420	840
	73	8.0	2	587	1174
	74	8.0	2	220	440
	75	8.0	2	195	390
	76	8.0	2	211	422
	77	8.0	2	253	506
	78	8.0	1	308	308
	79	8.0	2	311	622
	80	8.0	1	161	161
	81	8.0	2	355	710
	82	8.0	2	810	1620
	83	8.0	2	857	1714
	84	8.0	2	495	990
	85	8.0	2	640	1280
	87	8.0	2	640	1280
	88	10.0	1	103	103
	89	10.0	1	148	148
	90	10.0	1	193	193
	91	10.0	2	430	860
	92	10.0	2	208	416
	93	10.0	2	482	964
	94	10.0	2	489	978
	95	10.0	2	683	1366

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO+10% (kg)
CA50	6.3	31.6	8.5
	8.0	566.8	246.4
	10.0	50.3	34.1
CA60	5.0	690	116.9
PESO TOTAL (kg)			
CA50	289		
CA60	116.9		

Volume de concreto (C-25) = 7.79 m³
Área de forma = 134.24 m²

APROVAÇÃO:

ESTRUTURAL - APROVAÇÃO

PREFEITURA DE AURELINO LEAL

Endereço: RUA RAILDA VILLAS BOAS, S/N. - CENTRO - AURELINO LEAL - BA

Proprietário

MUNICIPIO DE AURELINO LEAL - CNPJ: 16.137.291/0001-02

Autor do projeto

GILBERTO ALMEIDA FILHO - CREA-BA 49.898 RNP 050158871-0

Responsável Técnico

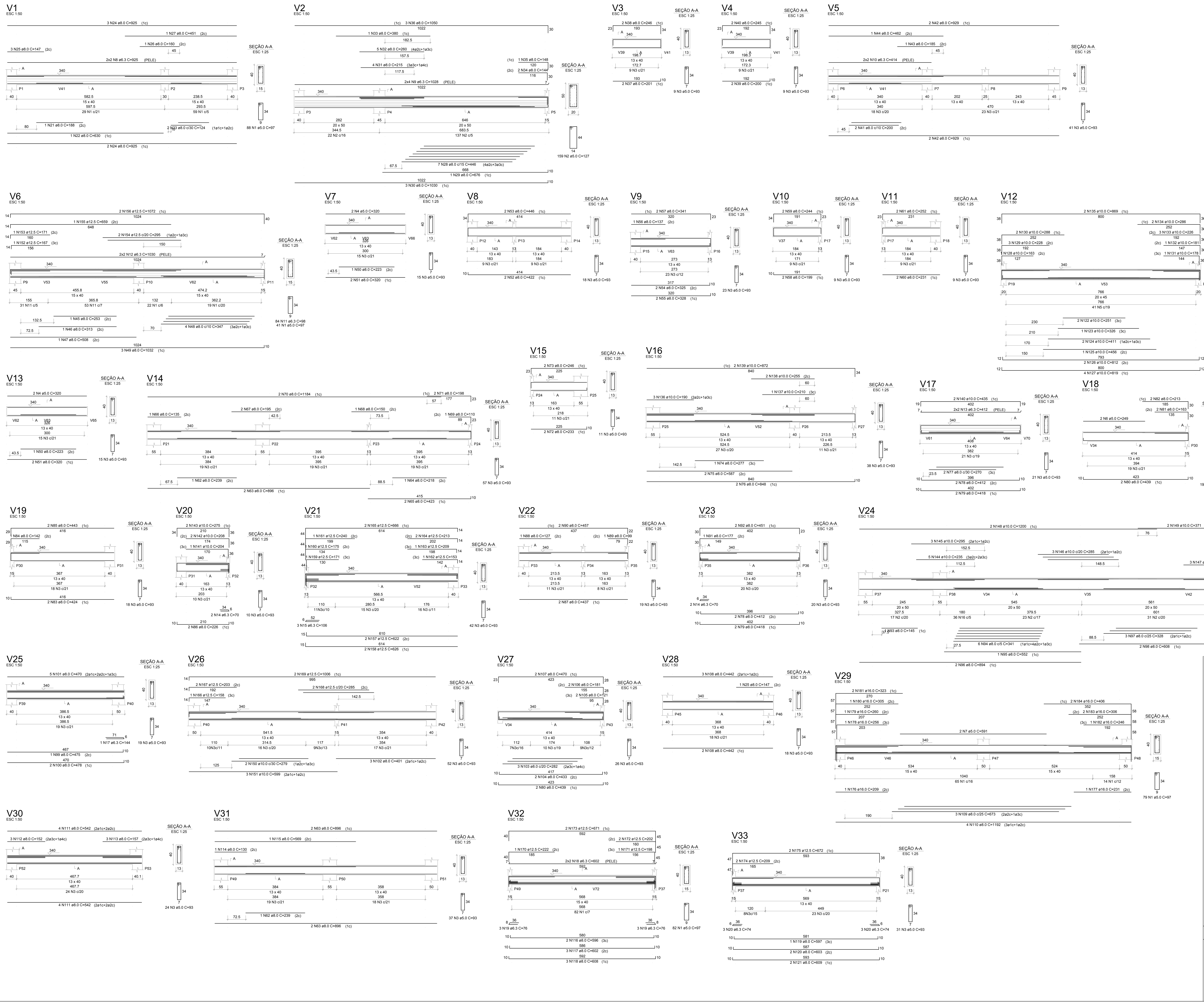
GILBERTO ALMEIDA FILHO - CREA-BA 49.898 RNP 050158871-0

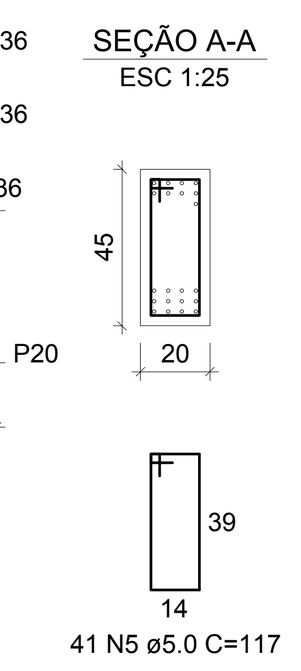
CONTEÚDO

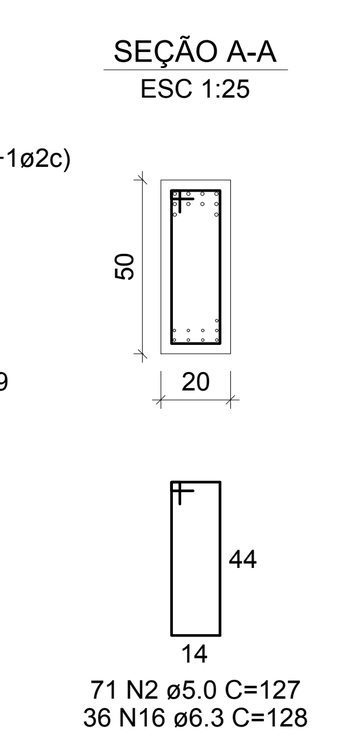
PROJETO ESTRUTURAL: DETALHAMENTO DAS VIGAS - PAVIMENTO COBERTURA

AREA DO TERRENO ORIGINAL: 859.28M2	FOLHA: 26/26
AREA TOTAL DA CONSTRUÇÃO: 1.116.13M2	
TAXA DE OCUPAÇÃO: 66.13%	
COEFICIENTE DE APROVEITAMENTO: 1.30	
AREA DA CONSTRUÇÃO TERREO: 568.30M2	DATA: 20/04/2023
AREA DA CONSTRUÇÃO 1º PAV. (SE HOUVER): 550.83M2	DISCIPLINA: ESTRUTURAL

A0







151	10.0	3	599	1797
152	12.5	1	167	167
153	12.5	1	171	171
154	12.5	2	295	590
155	12.5	1	659	659
156	12.5	2	1072	2144
157	12.5	2	622	1244
158	12.5	2	626	1252
159	12.5	1	171	171
160	12.5	1	175	175
161	12.5	1	240	240
162	12.5	1	153	153
163	12.5	1	209	209
164	12.5	2	213	426
165	12.5	2	666	1332
166	12.5	1	158	158
167	12.5	2	203	406
168	12.5	2	285	570
169	12.5	2	1006	2012
170	12.5	1	222	222
171	12.5	1	198	198
172	12.5	2	202	404
173	12.5	2	671	1342
174	12.5	2	209	418
175	12.5	2	672	1344
176	16.0	1	209	209
177	16.0	1	231	231
178	16.0	1	256	256
179	16.0	1	260	260
180	16.0	1	305	305
181	16.0	2	323	646
182	16.0	1	246	246
183	16.0	2	306	612
184	16.0	2	406	812

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO+10% (kg)
CA50	6.3	362.1	97.6
	8.0	1036.1	450.3
	10.0	258.2	175.2
	12.5	160.1	169.8
	16.0	35.8	62.2
CA60	5.0	1224.1	207.3

PESO TOTAL (kg)	
CA50	955.2
CA60	207.3

Volume de concreto (C-25) = 12.22 m³
Área de forma = 194.86 m²

RELAÇÃO DO AÇO

V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	V12
V13	V14	V15
V16	V17	V18
V19	V20	V21
V22	V23	V24
V25	V26	V27
V28	V29	V30
V31	V32	V33

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	290	97	28130
	2	5.0	230	127	29210
	3	5.0	610	93	56730
	4	5.0	4	320	1280
	5	5.0	41	117	4797
	6	5.0	2	249	498
	7	5.0	2	591	1182
CA50	8	6.3	4	925	3700
	9	6.3	8	1028	8224
	10	6.3	4	414	1656
	11	6.3	84	98	8232
	12	6.3	4	1030	4120
	13	6.3	4	412	1648
	14	6.3	4	70	280
	15	6.3	3	106	318
	16	6.3	36	128	4608
	17	6.3	1	144	144
	18	6.3	4	602	2408
	19	6.3	6	76	456
	20	6.3	6	74	444
	21	8.0	1	188	188
	22	8.0	1	630	630
	23	8.0	2	124	248
	24	8.0	5	925	4625
	25	8.0	4	147	588
	26	8.0	1	160	160
	27	8.0	1	451	451
	28	8.0	7	446	3122
	29	8.0	1	676	676
	30	8.0	3	1030	3090
	31	8.0	4	215	860
	32	8.0	5	260	1300
	33	8.0	1	380	380
	34	8.0	2	144	288
	35	8.0	1	148	148
	36	8.0	3	1050	3150
	37	8.0	2	201	402
	38	8.0	2	246	492
	39	8.0	2	200	400
	40	8.0	2	245	490
	41	8.0	2	200	400
	42	8.0	4	929	3716
	43	8.0	1	185	185
	44	8.0	1	462	462
	45	8.0	1	253	253
	46	8.0	1	313	313
	47	8.0	1	508	508
	48	8.0	4	347	1388
	49	8.0	3	1032	3096
	50	8.0	2	223	446
	51	8.0	4	320	1280
	52	8.0	2	422	844
	53	8.0	2	446	892
	54	8.0	2	325	650
	55	8.0	2	328	656
	56	8.0	1	137	137
	57	8.0	2	341	682
	58	8.0	2	199	398
	59	8.0	2	244	488
	60	8.0	2	231	462
	61	8.0	2	252	504
	62	8.0	2	239	478
	63	8.0	6	896	5376
	64	8.0	1	218	218
	65	8.0	2	423	846
	66	8.0	1	135	135
	67	8.0	2	195	390
	68	8.0	1	150	150
	69	8.0	1	110	110
	70	8.0	2	1184	2368
	71	8.0	2	198	396
	72	8.0	2	233	466
	73	8.0	2	246	492
	74	8.0	1	277	277
	75	8.0	2	587	1174
	76	8.0	2	848	1696
	77	8.0	2	270	540
	78	8.0	4	412	1648
	79	8.0	4	418	1672
	80	8.0	4	439	1756
	81	8.0	2	163	326
	82	8.0	2	213	426
	83	8.0	2	424	848
	84	8.0	1	142	142
	85	8.0	2	443	886
	86	8.0	2	226	452
	87	8.0	2	437	874
	88	8.0	1	127	127
	89	8.0	1	99	99
	90	8.0	2	457	914
	91	8.0	1	177	177
	92	8.0	2	451	902
	93	8.0	1	145	145
	94	8.0	6	341	2046
	95	8.0	1	552	552
	96	8.0	2	894	1788
	97	8.0	3	328	984
	98	8.0	2	608	1216
	99	8.0	1	475	475
	100	8.0	2	478	956
	101	8.0	5	470	2350
	102	8.0	3	401	1203
	103	8.0	3	282	846
	104	8.0	2	433	866
	105	8.0	2	121	242
	106	8.0	2	181	362
	107	8.0	2	470	940
	108	8.0	5	442	2210
	109	8.0	3	673	2019
	110	8.0	4	1192	4768
	111	8.0	8	542	4336
	112	8.0	3	152	456
	113	8.0	3	157	471
	114	8.0	1	130	130
	115	8.0	1	569	569
	116	8.0	2	596	1192
	117	8.0	3	602	1806
	118	8.0	3	608	1824
	119	8.0	1	597	597
	120	8.0	2	603	1206
	121	8.0	2	609	1218
	122	10.0	2	251	502
	123	10.0	1	326	326
	124	10.0	2	411	822
	125	10.0	1	456	456
	126	10.0	2	812	1624
	127	10.0	4	819	3276
	128	10.0	1	163	163
	129	10.0	3	228	684
	130	10.0	2	288	576
	131	10.0	1	178	178
	132	10.0	1	181	181
	133	10.0	3	226	678
	134	10.0	2	286	572
	135	10.0	2	869	1738
	136	10.0	3	190	570
	137	10.0	1	210	210
	138	10.0	2	255	510
	139	10.0	2	872	1744
	140	10.0	2	435	870
	141	10.0	1	204	204
	142	10.0	2	208	416
	143	10.0	2	275	550
	144	10.0	5	235	1175
	145	10.0	3	295	885
	146	10.0	3	285	855
	147	10.0	3	187	561
	148	10.0	2	1200	2400
	149	10.0	2	371	742
	150	10.0	2	279	558

APROVAÇÃO:

ESTRUTURAL - APROVAÇÃO

PREFEITURA DE AURELINO LEAL

Endereço: RUA RAILDA VILLAS BOAS, S/N. - CENTRO - AURELINO LEAL - BA

Proprietário: MUNICIPIO DE AURELINO LEAL - CNPJ: 16.137.291/0001-02

Autor do projeto: GILBERTO ALMEIDA FILHO - CREA-BA 49.898 RNP 050158871-0

Responsável Técnico: GILBERTO ALMEIDA FILHO - CREA-BA 49.898 RNP 050158871-0

CONTEÚDO: PROJETO ESTRUTURAL: DETALHAMENTO DAS VIGAS - PAVIMENTO SUPERIOR

ÁREA DO TERRENO ORIGINAL	859,26M2
ÁREA TOTAL DA CONSTRUÇÃO	1.119,13M2
TAXA DE OCUPAÇÃO	66,13%
COEFICIENTE DE APROVEITAMENTO	1.30
ÁREA DA CONSTRUÇÃO TÉRREO	568.30M2
ÁREA DA CONSTRUÇÃO 1º PAV. (SE HOUVER)	550,83M2

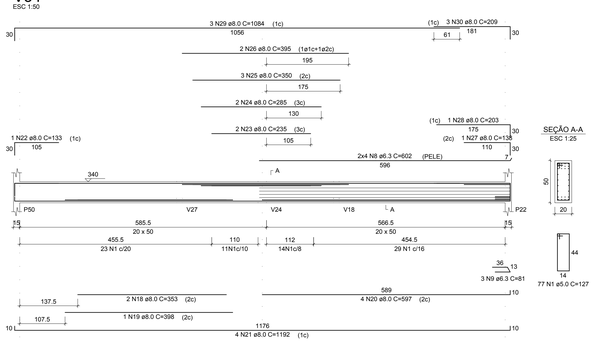
FOLHA: 23/26

DATA: 25/04/2023

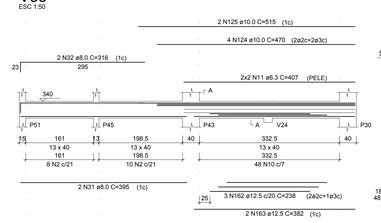
DISCIPLINA: ESTRUTURAL

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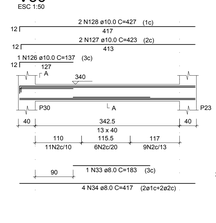
V34
ESC 1:50



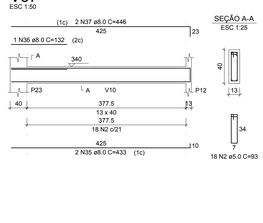
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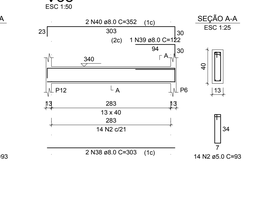
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ESC 1:50



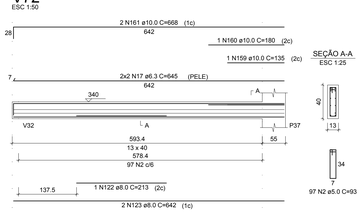
V37
ESC 1:50



V38
ESC 1:50



V72
ESC 1:50



RELAÇÃO DO AÇO

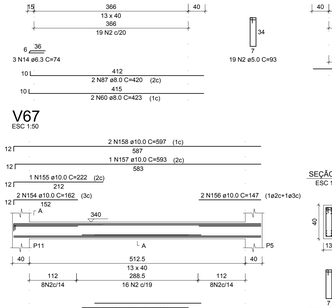
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V37	V38	V39
V40	V41	V42
V43	V44	V45
V46	V47	V48
V49	V50	V51
V52	V53	V54
V55	V56	V57
V58	V59	V60
V61	V62	V63
V64	V65	V66
V67	V68	V69
V70	V71	V72

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	77	127	9779
	2	5.0	875	93	81375
	3	5.0	1	235	470
	4	5.0	2	247	494
	5	5.0	2	240	480
	6	5.0	3	415	830
	7	5.0	45	107	4815
	8	5.0	8	602	4816
	9	6.3	3	81	243
	10	6.3	48	94	4512
	11	6.3	4	407	1628
	12	6.3	8	585	4680
	13	6.3	2	70	140
	14	6.3	7	74	518
	15	6.3	4	427	1708
	16	6.3	4	497	1988
	17	6.3	4	645	2580
	18	8.0	2	353	706
	19	8.0	1	398	398
	20	8.0	4	597	2388
	21	8.0	4	1192	4768
	22	8.0	2	133	266
	23	8.0	2	235	470
	24	8.0	2	285	570
	25	8.0	3	350	1050
	26	8.0	3	358	1074
	27	8.0	1	118	118
	28	8.0	1	203	203
	29	8.0	3	1084	3252
	30	8.0	3	209	627
	31	8.0	2	395	790
	32	8.0	2	316	632
	33	8.0	2	183	183
	34	8.0	4	417	1668
	35	8.0	2	433	866
	36	8.0	2	132	264
	37	8.0	2	446	892
	38	8.0	4	303	1212
	39	8.0	1	122	122
	40	8.0	2	352	704
	41	8.0	2	579	1158
	42	8.0	2	585	1170
	43	8.0	2	591	1182
	44	8.0	6	223	1338
	45	8.0	1	255	255
	46	8.0	1	1006	1006
	47	8.0	1	1009	1009
	48	8.0	1	123	123
	49	8.0	1	179	179
	50	8.0	1	153	153
	51	8.0	2	260	520
	52	8.0	1	562	562
	53	8.0	2	627	1254
	54	8.0	2	210	420
	55	8.0	2	231	462
	56	8.0	2	265	530
	57	8.0	2	345	690
	58	8.0	1	228	228
	59	8.0	2	433	866
	60	8.0	4	423	1692
	61	8.0	1	177	177
	62	8.0	2	437	874
	63	8.0	1	224	224
	64	8.0	2	536	1072
	65	8.0	2	704	1408
	66	8.0	1	300	300
	67	8.0	2	590	1180
	68	8.0	1	189	189
	69	8.0	2	193	386
	70	8.0	2	253	506
	71	8.0	2	153	306
	72	8.0	3	1161	3483
	73	8.0	1	431	431
	74	8.0	1	425	425
	75	8.0	2	165	330
	76	8.0	2	460	920
	77	8.0	2	415	830
	78	8.0	1	117	117
	79	8.0	1	182	182
	80	8.0	2	255	510
	81	8.0	2	279	558
	82	8.0	3	290	870
	83	8.0	2	526	1052
	84	8.0	2	529	1058
	85	8.0	2	193	386
	86	8.0	2	230	460
	87	8.0	1	420	840
	88	8.0	1	122	122
	89	8.0	1	172	172
	90	8.0	2	439	878
	91	8.0	1	192	192
	92	8.0	8	441	3528
	93	8.0	1	197	197
	94	8.0	1	174	174
	95	8.0	1	195	195
	96	8.0	1	195	195
	97	8.0	1	464	464
	98	8.0	2	730	1460
	99	8.0	2	399	798
	100	8.0	2	435	870
	101	8.0	2	447	894
	102	8.0	2	237	474
	103	8.0	4	137	548
	104	8.0	2	261	522
	105	8.0	4	366	1464
	106	8.0	4	378	1512
	107	8.0	1	157	157
	108	8.0	2	253	506
	109	8.0	4	587	2348
	110	8.0	2	219	438
	111	8.0	2	232	464
	112	8.0	2	308	616
	113	8.0	2	329	658
	114	8.0	1	227	227
	115	8.0	1	218	218
	116	8.0	2	212	424
	117	8.0	2	818	1636
	118	8.0	1	165	165
	119	8.0	3	157	471
	120	8.0	2	831	1662
	121	8.0	1	492	492
	122	8.0	1	213	213
	123	8.0	2	642	1284
	124	10.0	4	470	1880
	125	10.0	2	515	1030
	126	10.0	1	137	137
	127	10.0	2	423	846
	128	10.0	2	427	854
	129	10.0	1	166	166
	130	10.0	1	226	226
	131	10.0	1	201	201
	132	10.0	2	637	1274
	133	10.0	3	472	1416
	134	10.0	2	594	1188
	135	10.0	2	608	1216
	136	10.0	2	480	960
	137	10.0	3	235	705
	138	10.0	1	151	151
	139	10.0	1	614	614
	140	10.0	2	748	1496
	141	10.0	1	138	138
	142	10.0	2	194	388
	143	10.0	2	198	396
	144	10.0	1	148	148
	145	10.0	1	208	208
	146	10.0	1	253	253
	147	10.0	1	303	303
	148	10.0	2	439	878
	149	10.0	2	520	1040
	150	10.0	4	389	1556
	151	10.0	4	532	2128
	152	10.0	4	539	2156
	153	10.0	2	409	818
	154	10.0	2	162	324
	155	10.0	1	222	222
	156	10.0	2	147	294
	157	10.0	1	593	593
	158	10.0	2	597	1194
	159	10.0	1	135	135
	160	10.0	1	180	180
	161	10.0	2	668	1336
	162	12.5	3	238	714
	163	12.5	5	382	1910
	164	12.5	2	332	664
	165	12.5	4	600	2400
	166	12.5	1	170	170
	167	12.5	1	174	174
	168	12.5	1	230	230
	169	12.5	1	470	470
	170	12.5	1	170	170
	171	12.5	1	191	191
	172	12.5	1	252	252
	173	12.5	2	256	512
	174	12.5	2	497	994
	175	12.5	1	519	519
	176	12.5	2	179	358
	177	12.5	2	235	470
	178	12.5	2	239	478
	179	12.5	1	174	174
	180	12.5	1	178	178
	181	12.5	1	238	238
	182	12.5	2	563	1126

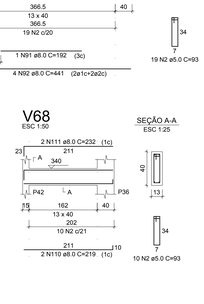
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO+10% (kg)
CA50	6.3	226	61.5
	8.0	884.5	354.5
	10.0	290.5	197.1
	12.5	123.9	131.4
CA60	5.0	987.2	167.2
PESO TOTAL (kg)			
CA50	774.4	Volume de concreto (C-25) = 10.49 m³	
CA60	167.2	Área de forma = 178.42 m²	

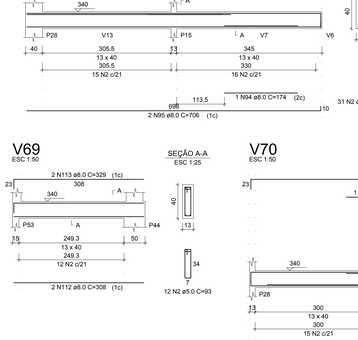
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ESC 1:50



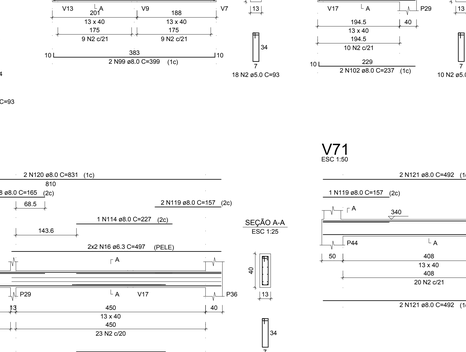
V40
ESC 1:50



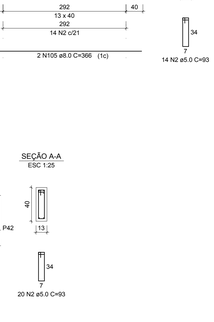
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ESC 1:50



V42
ESC 1:50



V43
ESC 1:50



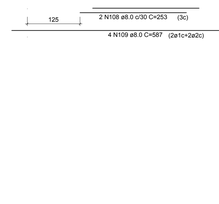
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ESC 1:50



V45
ESC 1:50



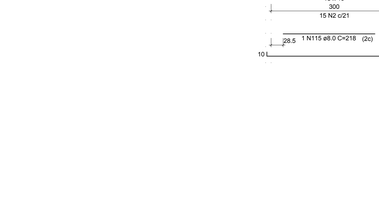
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ESC 1:50



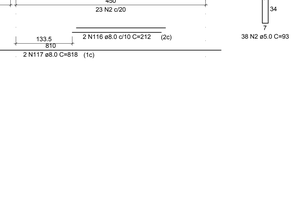
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ESC 1:50



V48
ESC 1:50



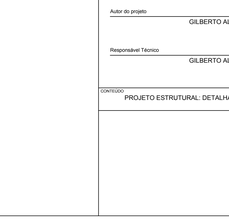
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ESC 1:50



V50
ESC 1:50

V51
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V52
ESC 1:50



V53
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V54
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V55
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V56
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V69
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V70
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V71
ESC 1:50

APROVAÇÃO:

ESTRUTURAL - APROVAÇÃO

PREFEITURA DE AURELINO LEAL

Endereço: RUA RAILDA VILLAS BOAS, S/N. - CENTRO - AURELINO LEAL - BA

Proprietário

MUNICIPIO DE AURELINO LEAL - CNPJ: 16.137.291/0001-02

Autor do projeto

GILBERTO ALMEIDA FILHO - CREA-BA 49.898 RNP 050158871-0

Responsável Técnico

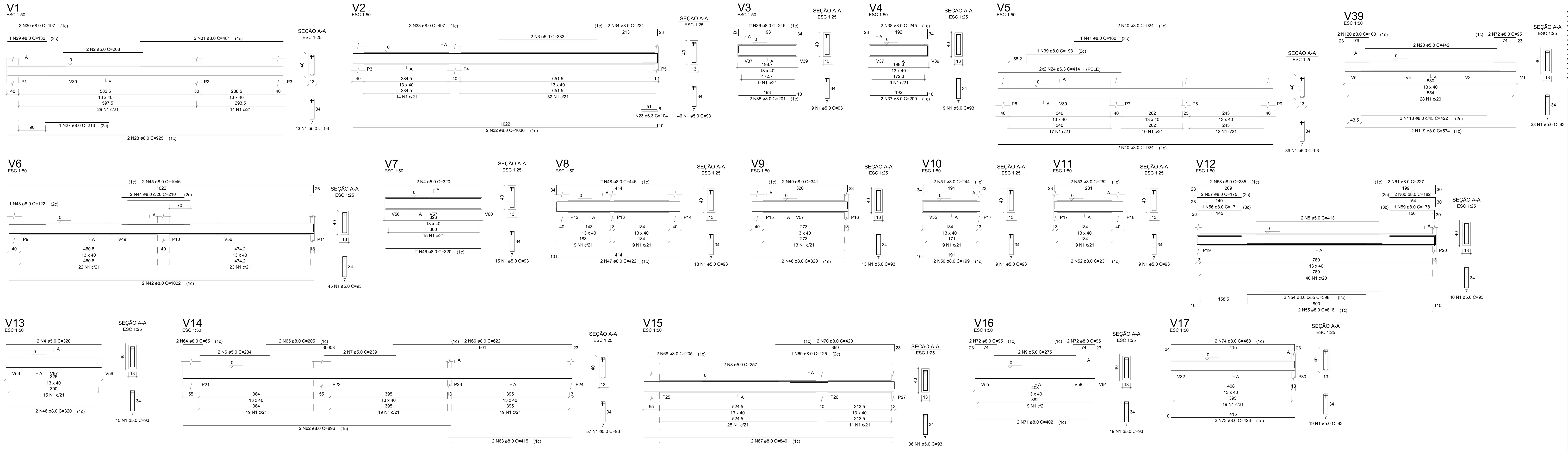
GILBERTO ALMEIDA FILHO - CREA-BA 49.898 RNP 050158871-0

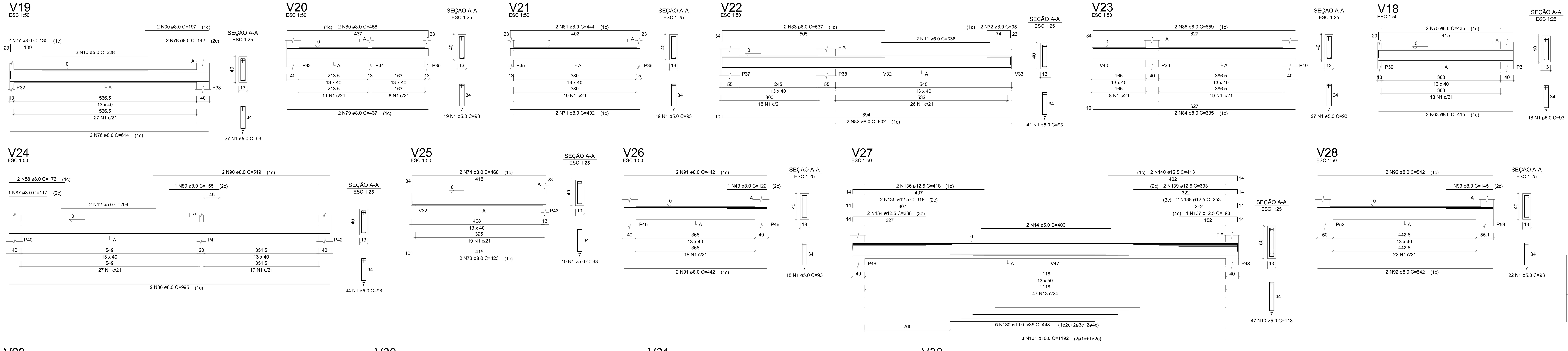
CONTEÚDO

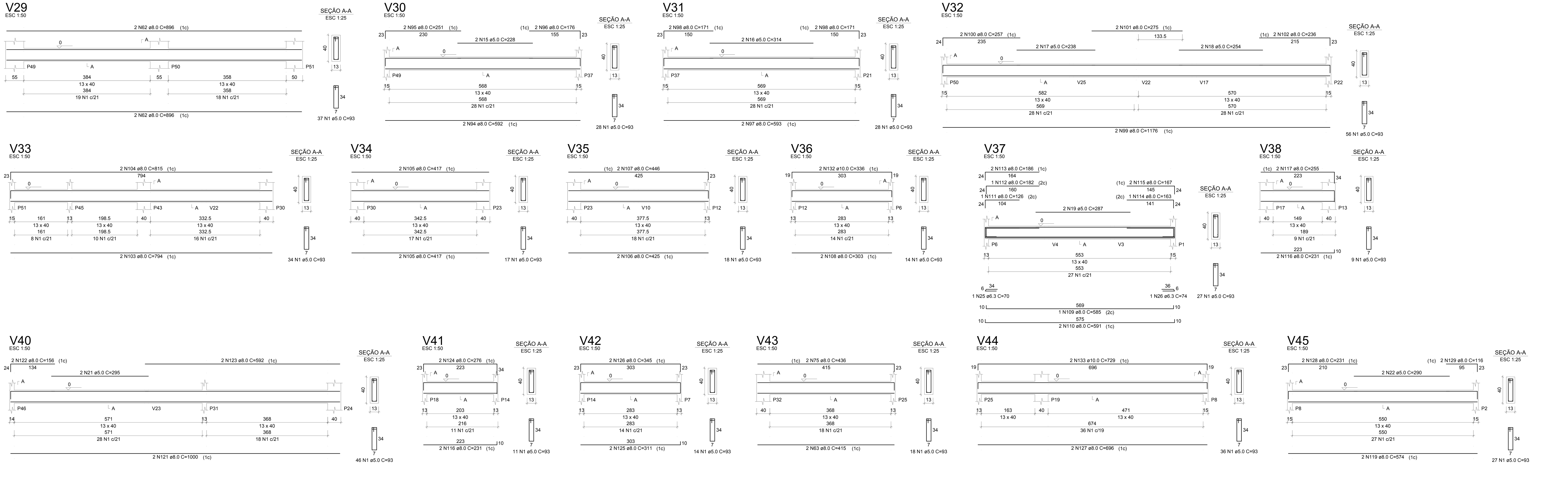
PROJETO ESTRUTURAL: DETALHAMENTO DAS VIGAS - PAVIMENTO SUPERIOR

AREA DO TERRENO ORIGINAL 899,28M2	FOLHA: 24/26
AREA TOTAL DA CONSTRUÇÃO 1.119,13M2	
TAXA DE OCUPAÇÃO 66,13%	
COEFICIENTE DE APROVEITAMENTO 1,30	
AREA DA CONSTRUÇÃO TÉRREO 599,30M2	DATA: 25/04/2023
AREA DA CONSTRUÇÃO 1º PAV. (SE HOUVER) 550,83M2	DISCIPLINA: ESTRUTURAL

A0







RELAÇÃO DO AÇO

V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	V12
V13	V14	V15
V16	V17	V18
V19	V20	V21
V22	V23	V24
V25	V26	V27
V28	V29	V30
V31	V32	V33
V34	V35	V36
V37	V38	V39
V40	V41	V42
V43	V44	V45

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	1143	93	106299
	2	5.0	2	268	536
	3	5.0	2	333	666
	4	5.0	4	320	1280
	5	5.0	2	413	826
	6	5.0	2	234	468
	7	5.0	2	239	478
	8	5.0	2	257	514
	9	5.0	2	275	550
	10	5.0	2	328	656
	11	5.0	2	336	672
	12	5.0	2	294	588
	13	5.0	47	113	5311
	14	5.0	2	403	806
	15	5.0	2	228	456
	16	5.0	2	314	628
	17	5.0	2	238	476
	18	5.0	2	254	508
	19	5.0	2	287	574
	20	5.0	2	442	884
	21	5.0	2	295	590
	22	5.0	2	290	580
CA50	23	6.3	1	104	104
	24	6.3	4	414	1656
	25	6.3	1	70	70
	26	6.3	1	74	74
	27	8.0	1	213	213
	28	8.0	2	925	1850
	29	8.0	1	132	132
	30	8.0	4	197	788
	31	8.0	2	481	962
	32	8.0	2	1030	2060
	33	8.0	2	497	994
	34	8.0	2	234	468
	35	8.0	2	201	402
	36	8.0	2	246	492
	37	8.0	2	200	400
	38	8.0	2	245	490
	39	8.0	1	193	193
	40	8.0	4	924	3696
	41	8.0	1	160	160
	42	8.0	2	1022	2044
	43	8.0	2	122	244
	44	8.0	2	210	420
	45	8.0	2	1046	2092
	46	8.0	6	320	1920
	47	8.0	2	422	844
	48	8.0	2	446	892
	49	8.0	2	341	682
	50	8.0	2	199	398
	51	8.0	2	244	488
	52	8.0	2	231	462
	53	8.0	2	252	504
	54	8.0	2	398	796
	55	8.0	2	816	1632
	56	8.0	1	171	171
	57	8.0	2	175	350
	58	8.0	2	235	470
	59	8.0	1	178	178
	60	8.0	2	182	364
	61	8.0	2	227	454
	62	8.0	6	896	5376
	63	8.0	6	415	2490
	64	8.0	2	65	130
	65	8.0	2	205	410
	66	8.0	2	622	1244
	67	8.0	2	840	1680
	68	8.0	2	205	410
	69	8.0	1	125	125
	70	8.0	2	420	840
	71	8.0	4	402	1608
	72	8.0	8	95	760
	73	8.0	4	423	1692
	74	8.0	4	468	1872
	75	8.0	4	436	1744
	76	8.0	2	614	1228
	77	8.0	2	130	260
	78	8.0	2	142	284
	79	8.0	2	437	874
	80	8.0	2	458	916
	81	8.0	2	444	888
	82	8.0	2	902	1804
	83	8.0	2	537	1074
	84	8.0	2	635	1270
	85	8.0	2	659	1318
	86	8.0	2	995	1990
	87	8.0	1	117	117
	88	8.0	2	172	344
	89	8.0	1	155	155
	90	8.0	2	549	1098
	91	8.0	4	442	1768
	92	8.0	4	542	2168
	93	8.0	1	145	145
	94	8.0	2	592	1184
	95	8.0	2	251	502
	96	8.0	2	176	352
	97	8.0	2	593	1186
	98	8.0	4	171	684
	99	8.0	2	1176	2352
	100	8.0	2	257	514
	101	8.0	2	275	550
	102	8.0	2	236	472
	103	8.0	2	794	1588
	104	8.0	2	815	1630
	105	8.0	4	417	1668
	106	8.0	2	425	850
	107	8.0	2	446	892
	108	8.0	2	303	606
	109	8.0	1	585	585
	110	8.0	2	591	1182
	111	8.0	1	126	126
	112	8.0	1	182	182
	113	8.0	2	186	372
	114	8.0	1	163	163
	115	8.0	2	167	334
	116	8.0	4	231	924
	117	8.0	2	255	510
	118	8.0	2	422	844
	119	8.0	4	574	2296
	120	8.0	2	100	200
	121	8.0	2	1000	2000
	122	8.0	2	156	312
	123	8.0	2	592	1184
	124	8.0	2	276	552
	125	8.0	2	311	622
	126	8.0	2	345	690
	127	8.0	2	696	1392
	128	8.0	2	231	462
	129	8.0	2	116	232
	130	10.0	5	448	2240
	131	10.0	3	1192	3576
	132	10.0	2	336	672
	133	10.0	2	729	1458
	134	12.5	2	238	476
	135	12.5	2	318	636
	136	12.5	2	418	836
	137	12.5	1	193	193
	138	12.5	2	253	506
	139	12.5	2	333	666
	140	12.5	2	413	826

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO+10% (kg)
CA50	6.3	19	5.1
	8.0	970.1	421.7
	10.0	79.5	53.9
	12.5	41.4	43.9
CA60	5.0	1249.4	211.6
PESO TOTAL (kg)			
CA50	524.6		
CA60	211.6		

Volume de concreto (C-25) = 14.12 m³
Área de forma = 252.15 m²

APROVAÇÃO:

ESTRUTURAL - APROVAÇÃO

PREFEITURA DE AURELINO LEAL

Endereço: RUA RAILDA VILLAS BOAS, S/N. - CENTRO - AURELINO LEAL - BA

Proprietário: MUNICIPIO DE AURELINO LEAL - CNPJ: 16.137.291/0001-02

Autor do projeto: GILBERTO ALMEIDA FILHO - CREA-BA 49.898 RNP 050158871-0

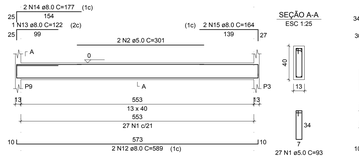
Responsável Técnico: GILBERTO ALMEIDA FILHO - CREA-BA 49.898 RNP 050158871-0

CONTEÚDO: PROJETO ESTRUTURAL: DETALHAMENTO DAS VIGAS - PAVIMENTO TÉRREO

ÁREA DO TERRENO ORIGINAL: 859,26M2	FOLHA: 21/26
ÁREA TOTAL DA CONSTRUÇÃO: 1.119,13M2	
TAXA DE OCUPAÇÃO: 66,13%	
COEFICIENTE DE APROVEITAMENTO: 1.30	
ÁREA DA CONSTRUÇÃO TÉRREO: 568.30M2	DATA: 25/04/2023
ÁREA DA CONSTRUÇÃO 1º PAV. (SE HOUVER): 550,83M2	DISCIPLINA: ESTRUTURAL

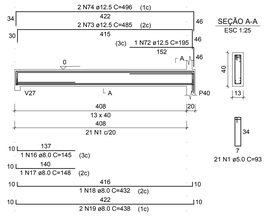
A0

V46
ESC 1:50



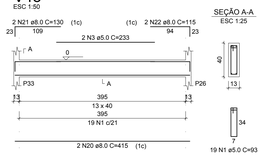
SEÇÃO A-A
ESC 1:25

V47
ESC 1:50



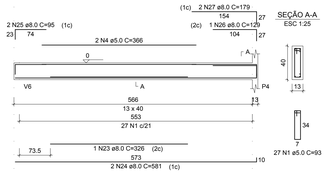
SEÇÃO A-A
ESC 1:25

V48
ESC 1:50



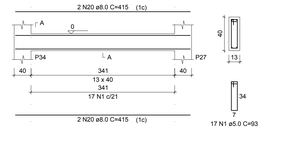
SEÇÃO A-A
ESC 1:25

V49
ESC 1:50



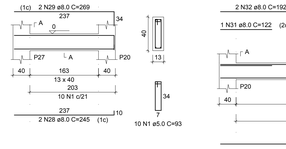
SEÇÃO A-A
ESC 1:25

V50
ESC 1:50



SEÇÃO A-A
ESC 1:25

V51
ESC 1:50

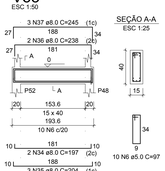


SEÇÃO A-A
ESC 1:25

V52
ESC 1:50

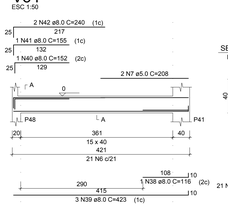
SEÇÃO A-A
ESC 1:25

V53
ESC 1:50

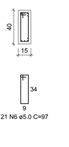


SEÇÃO A-A
ESC 1:25

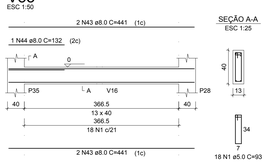
V54
ESC 1:50



SEÇÃO A-A
ESC 1:25

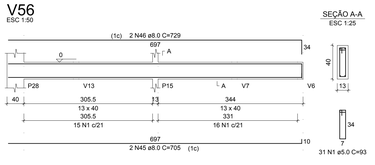


V55
ESC 1:50



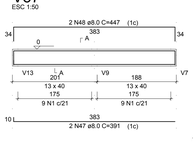
SEÇÃO A-A
ESC 1:25

V56
ESC 1:50

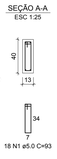


SEÇÃO A-A
ESC 1:25

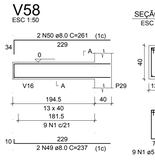
V57
ESC 1:50



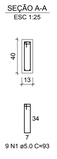
SEÇÃO A-A
ESC 1:25



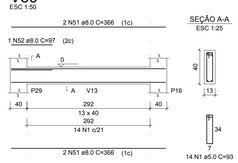
V58
ESC 1:50



SEÇÃO A-A
ESC 1:25



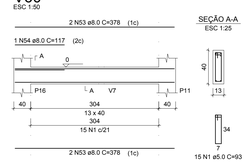
V59
ESC 1:50



SEÇÃO A-A
ESC 1:25

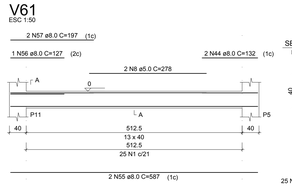


V60
ESC 1:50

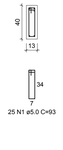


SEÇÃO A-A
ESC 1:25

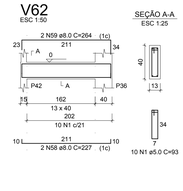
V61
ESC 1:50



SEÇÃO A-A
ESC 1:25



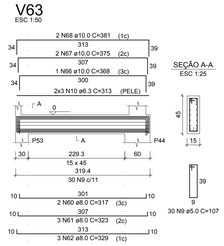
V62
ESC 1:50



SEÇÃO A-A
ESC 1:25

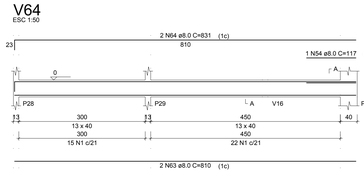


V63
ESC 1:50

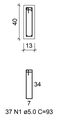


SEÇÃO A-A
ESC 1:25

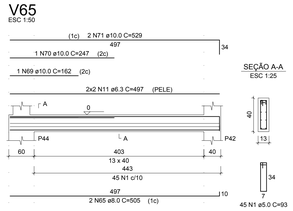
V64
ESC 1:50



SEÇÃO A-A
ESC 1:25



V65
ESC 1:50



SEÇÃO A-A
ESC 1:25

RELAÇÃO DO AÇO

V46	V47	V48	
V49	V50	V51	
V52	V53	V54	
V55	V56	V57	
V58	V59	V60	
V61	V62	V63	
V64	V65		

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	366	93	34038
	2	5.0	2	301	602
	3	5.0	2	233	466
	4	5.0	2	366	732
	5	5.0	2	234	468
	7	5.0	31	97	3007
	8	5.0	2	278	556
	9	5.0	30	107	3210
CA50	10	6.3	6	313	1878
	11	6.3	4	497	1988
	12	8.0	2	589	1178
	13	8.0	1	122	122
	14	8.0	2	177	354
	15	8.0	2	164	328
	16	8.0	1	145	145
	17	8.0	1	148	148
	18	8.0	1	432	432
	19	8.0	2	438	876
	20	8.0	6	415	2490
	21	8.0	2	130	260
	22	8.0	2	115	230
	23	8.0	1	326	326
	24	8.0	2	581	1162
	25	8.0	2	95	190
	26	8.0	1	129	129
	27	8.0	2	179	358
	28	8.0	2	245	490
	29	8.0	2	269	538
	31	8.0	4	512	1024
	32	8.0	2	162	324
	33	8.0	2	135	270
	34	8.0	2	197	394
	35	8.0	3	204	612
	36	8.0	2	238	476
	37	8.0	3	245	735
	38	8.0	1	116	116
	39	8.0	3	423	1269
	40	8.0	1	152	152
	41	8.0	1	155	155
	42	8.0	2	240	480
	43	8.0	4	441	1764
	44	8.0	3	132	396
	45	8.0	2	705	1410
	46	8.0	2	729	1458
	47	8.0	2	391	782
	48	8.0	2	447	894
	49	8.0	2	237	474
	50	8.0	2	261	522
	51	8.0	4	366	1464
	52	8.0	1	97	97
	53	8.0	4	378	1512
	54	8.0	2	117	234
	55	8.0	2	587	1174
	56	8.0	1	127	127
	57	8.0	2	197	394
	58	8.0	2	227	454
	59	8.0	2	264	528
	60	8.0	2	317	634
	61	8.0	3	323	969
	62	8.0	3	329	987
	63	8.0	2	810	1620
	64	8.0	2	831	1662
	65	8.0	2	505	1010
	66	10.0	1	368	368
	67	10.0	2	375	750
	68	10.0	2	381	762
	69	10.0	1	162	162
	70	10.0	1	247	247
	71	10.0	2	529	1058
	72	12.5	1	195	195
	73	12.5	2	485	970
	74	12.5	2	496	992

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO+10% (kg)
CA50	6.3	38.7	10.4
	8.0	365.4	158.8
	10.0	33.5	22.7
	12.5	21.6	22.9
CA60	5.0	437.1	74
PESO TOTAL (kg)			
CA50	214.9		
CA60	74		

Volume de concreto (C-25) = 4.67 m³
Área de forma = 82.23 m²

APROVAÇÃO:

ESTRUTURAL - APROVAÇÃO

PREFEITURA DE AURELINO LEAL

Endereço: RUA RAILDA VILLAS BOAS, S/N. - CENTRO - AURELINO LEAL - BA

Proprietário
MUNICIPIO DE AURELINO LEAL - CNPJ: 16.137.291/0001-02

Autor do projeto
GILBERTO ALMEIDA FILHO - CREA-BA 49.898 RNP 050158871-0

Responsável Técnico
GILBERTO ALMEIDA FILHO - CREA-BA 49.898 RNP 050158871-0

CONTEÚDO:
PROJETO ESTRUTURAL: DETALHAMENTO DAS VIGAS - PAVIMENTO TÉRREO

AREA DO TERRENO ORIGINAL: 859.26M2	FOLHA: 22/26
AREA TOTAL DA CONSTRUÇÃO: 1.119.13M2	
TAXA DE OCUPAÇÃO: 66.13%	
COEFICIENTE DE APROVEITAMENTO: 1.30	
AREA DA CONSTRUÇÃO TÉRREO: 568.30M2	DATA: 25/04/2023
AREA DA CONSTRUÇÃO 1° PAV. (SE HOUVER): 550.83M2	DISCIPLINA: ESTRUTURAL

A0