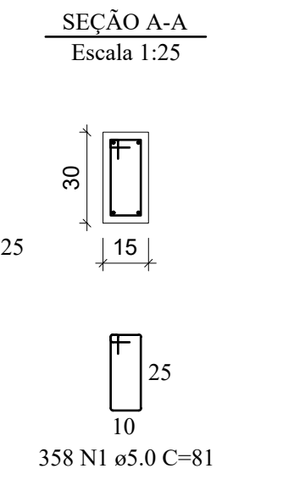
PROJETO ESTRUTURAL

Escala Indicada

VBM1
Escala 1:40

2 N5 ø8.0 C=1200
2 N5 ø8.0 C=1200
2 N5 ø8.0 C=1200
2 N5 ø8.0 C=1200
2 N5 ø8.0 C=1200
2 N6 ø8.0 C=175
36
36
36
36
36
0.00
A
PM1
PM2
PM3
PM4
PM5
PM6
PM7
PM8
PM9
PM10
PM11
PM12
PM13
PM14
PM15
PM16
PM17
PM18
PM19
PM20
PM21
PM22
PM23
PM24
PM25
235
250
265
190
13 N1 c/15
220
15 N1 c/15
2 N2 ø8.0 C=978
2 N3 ø8.0 C=990
2 N3 ø8.0 C=990
2 N3 ø8.0 C=990
2 N3 ø8.0 C=990
2 N4 ø8.0 C=1008
5

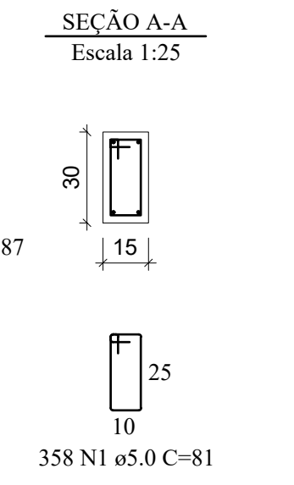
SEÇÃO A-A
Escala 1:25


30
15
25
10
358 N1 ø5.0 C=81

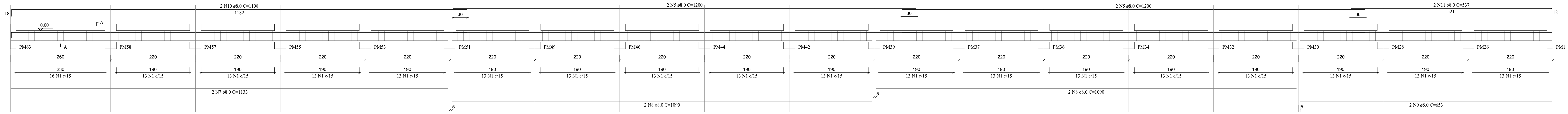
VBM5
Escala 1:40

2 N5 ø8.0 C=1200
2 N5 ø8.0 C=1200
2 N5 ø8.0 C=1200
2 N5 ø8.0 C=1200
2 N5 ø8.0 C=1200
2 N6 ø8.0 C=175
36
0.00
A
PM63
PM64
PM65
PM66
PM67
PM68
PM69
PM70
PM71
PM72
PM73
PM74
PM75
PM76
PM77
PM78
PM79
PM80
PM81
PM82
PM83
PM84
PM85
PM86
PM87
235
250
265
190
13 N1 c/15
220
15 N1 c/15
2 N2 ø8.0 C=978
2 N3 ø8.0 C=990
2 N3 ø8.0 C=990
2 N3 ø8.0 C=990
2 N3 ø8.0 C=990
2 N4 ø8.0 C=1008
5

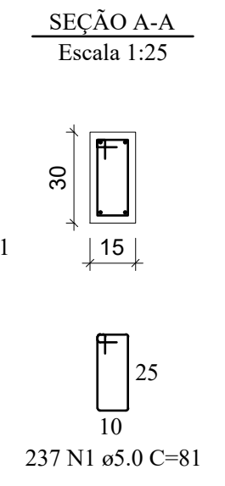
SEÇÃO A-A
Escala 1:25


30
15
25
10
358 N1 ø5.0 C=81

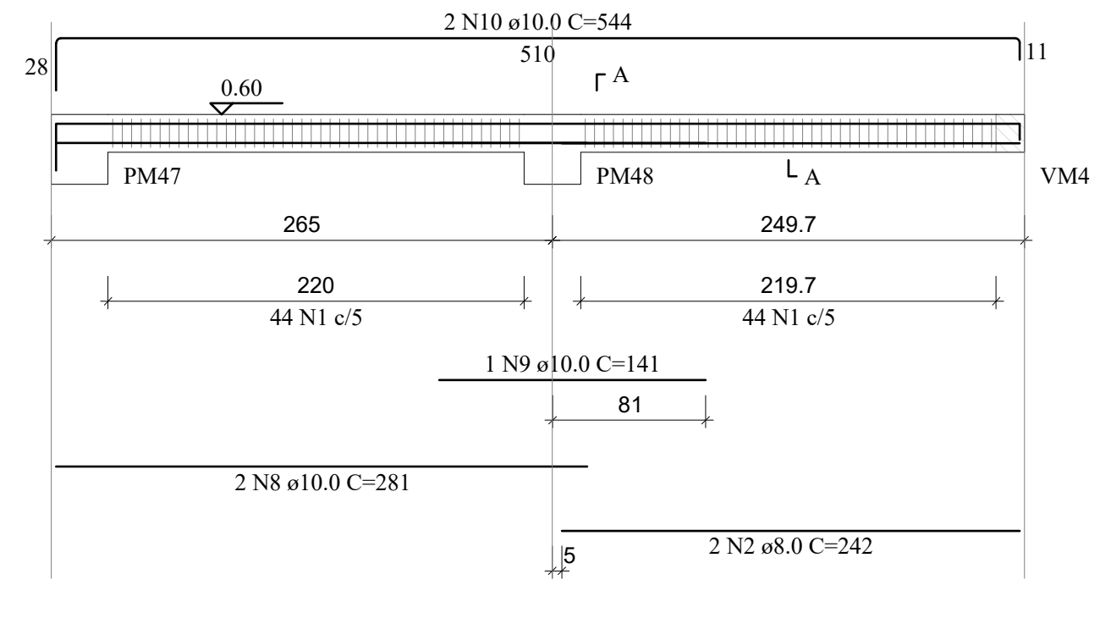
VBM6
Escala 1:40


18
2 N10 ø8.0 C=1198
1182
2 N5 ø8.0 C=1200
2 N5 ø8.0 C=1200
2 N5 ø8.0 C=1200
2 N11 ø8.0 C=537
521
18
36
0.00
A
PM63
PM58
PM57
PM55
PM53
PM51
PM49
PM46
PM44
PM42
PM39
PM37
PM36
PM34
PM32
PM30
PM28
PM26
PM1
260
220
230
16 N1 c/15
190
13 N1 c/15
2 N7 ø8.0 C=1133
2 N8 ø8.0 C=1090
2 N8 ø8.0 C=1090
2 N9 ø8.0 C=653
5

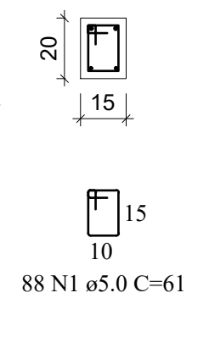
SEÇÃO A-A
Escala 1:25


30
15
25
10
237 N1 ø5.0 C=81

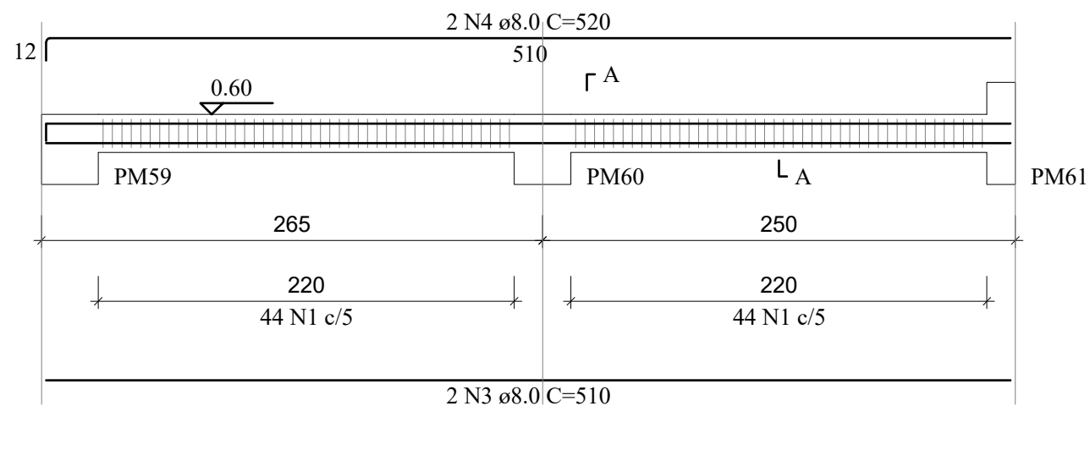
VM1
Escala 1:40


2 N10 ø10.0 C=544
510
28
11
0.60
A
PM47
PM48
VM4
265
249.7
220
44 N1 c/5
219.7
44 N1 c/5
1 N9 ø10.0 C=141
81
2 N8 ø10.0 C=281
2 N2 ø8.0 C=242
5

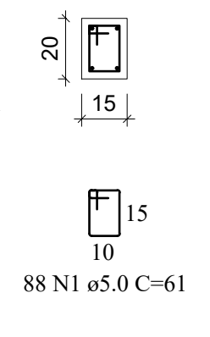
SEÇÃO A-A
Escala 1:25


20
15
15
10
88 N1 ø5.0 C=61

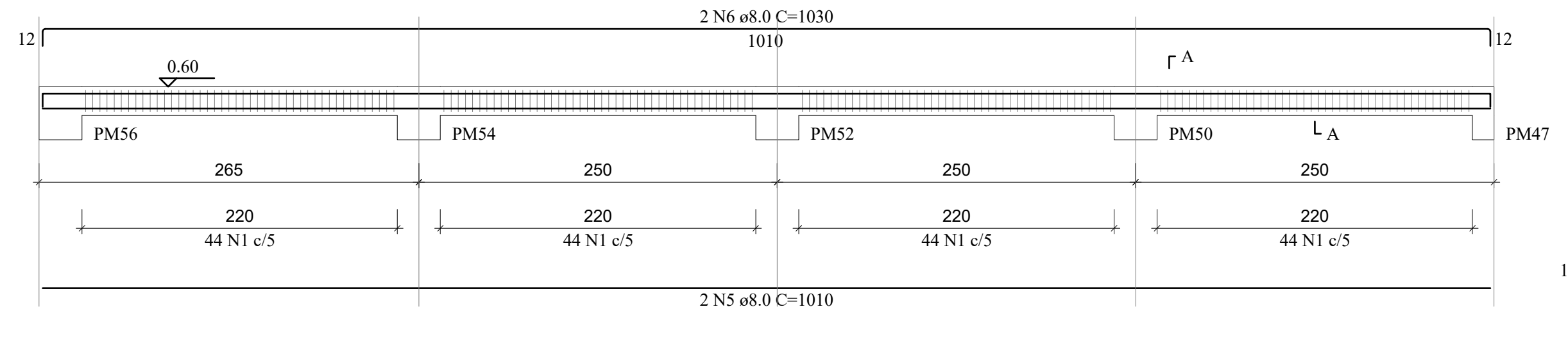
VM2
Escala 1:40


2 N4 ø8.0 C=520
510
12
0.60
A
PM59
PM60
PM61
265
250
220
44 N1 c/5
220
44 N1 c/5
2 N3 ø8.0 C=510

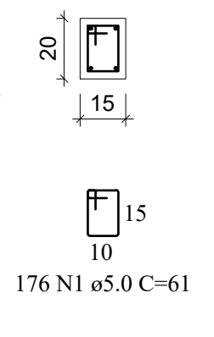
SEÇÃO A-A
Escala 1:25


20
15
15
10
88 N1 ø5.0 C=61

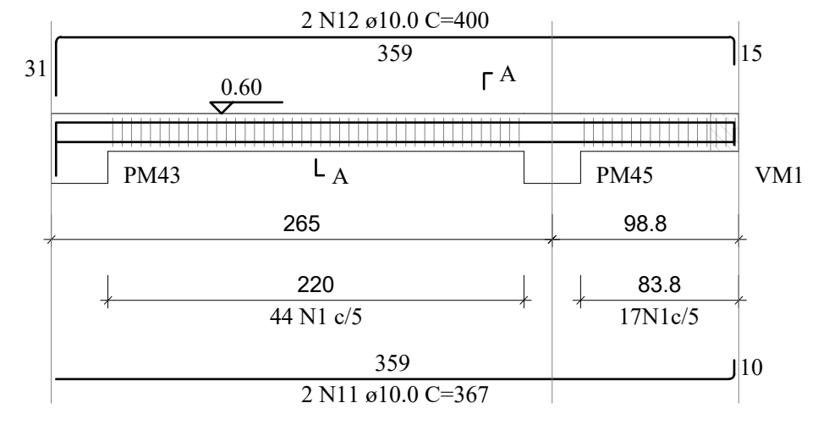
VM3
Escala 1:40


2 N6 ø8.0 C=1030
1010
12
12
0.60
A
PM56
PM54
PM52
PM50
PM47
265
250
250
250
220
44 N1 c/5
2 N5 ø8.0 C=1010

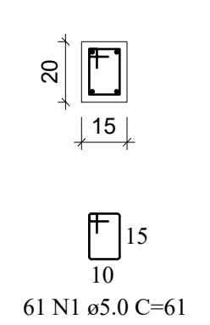
SEÇÃO A-A
Escala 1:25


20
15
15
10
176 N1 ø5.0 C=61

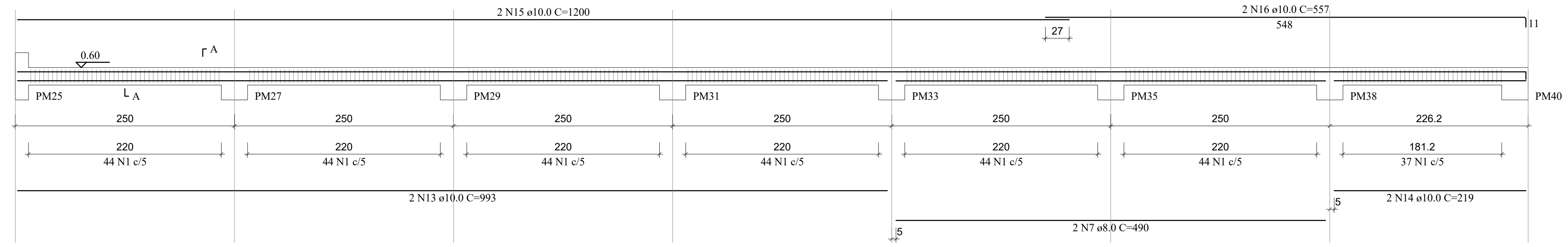
VM4
Escala 1:40


2 N12 ø10.0 C=400
359
31
15
0.60
A
PM43
PM45
VM1
265
98.8
220
44 N1 c/5
83.8
17N1c/5
359
2 N11 ø10.0 C=367
10

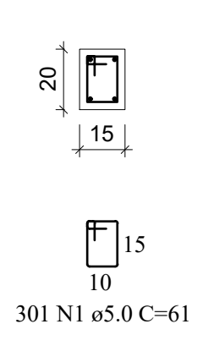
SEÇÃO A-A
Escala 1:25


20
15
15
10
61 N1 ø5.0 C=61

VM5
Escala 1:40


2 N15 ø10.0 C=1200
2 N16 ø10.0 C=557
548
27
11
0.60
A
PM25
PM27
PM29
PM31
PM33
PM35
PM38
PM40
250
226.2
220
44 N1 c/5
181.2
37 N1 c/5
2 N13 ø10.0 C=993
2 N7 ø8.0 C=490
2 N14 ø10.0 C=219
5

SEÇÃO A-A
Escala 1:25


20
15
15
10
301 N1 ø5.0 C=61

RELAÇÃO DO AÇO

VBM1 VBM5 VBM6

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	953	81	77193
CA50	2	8.0	4	978	3912
	3	8.0	16	990	15840
	4	8.0	4	1008	4032
	5	8.0	24	1200	28800
	6	8.0	4	175	700
	7	8.0	2	1133	2266
	8	8.0	4	1090	4360
	9	8.0	2	653	1306
	10	8.0	2	1198	2396
	11	8.0	2	537	1074

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	8.0	646.9	60	280.8
CA60	5.0	771.9	71	130.9

PESO TOTAL (kg)	
CA50	280.8
CA60	130.9

Volume de concreto (C-30) = 7.20 m³
Área de forma = 120.00 m²

RELAÇÃO DO AÇO

VM1 VM2 VM3
VM4 VM5

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	714	61	43554
CA50	2	8.0	2	242	484
	3	8.0	2	510	1020
	4	8.0	2	520	1040
	5	8.0	2	1010	2020
	6	8.0	2	1030	2060
	7	8.0	2	490	980
	8	10.0	2	281	562
	9	10.0	1	141	141
	10	10.0	2	544	1088
	11	10.0	2	367	734
	12	10.0	2	400	800
	13	10.0	2	993	1986
	14	10.0	2	219	438
	15	10.0	2	1200	2400
	16	10.0	2	557	1114

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	8.0	76	7	33
	10.0	92.6	9	62.8
CA60	5.0	435.5	40	73.8

PESO TOTAL (kg)	
CA50	95.8
CA60	73.8

Volume de concreto (C-30) = 1.24 m³
Área de forma = 22.74 m²

REV. 00	14/10/20	EMISSÃO INICIAL	DAC
REVISÃO:	DATA :	DESCRIÇÃO:	RESP.:

PREFEITURA
SANTA RITA DO SAPUCAÍ- MG

PROJETO

DAC engenharia
Rua Miguel Vianna, nº 81, Sala 12
Bairro Morro Chic
CEP: 37500-080 – Itajubá / MG
Tel: (35) 3623-5720
www.dacengenharia.com.br

GERÊNCIA DE PROJETOS
DENIS DE SOUZA SILVA CREA: MG-127.216/D

COORDENAÇÃO DE PROJETOS
ALOISIO CAETANO FERREIRA CREA: MG-97.132/D

RESPONSÁVEL TÉCNICO
ENGª. CIVIL FLÁVIA C. BARBOSA CREA: MG-187.842/D

PROJETO
ENGº. CIVIL WILLIAM BARADEL LARI

DESENHO
WILLIAM BARADEL LARI

EMPREENDIMENTO
IMPLANTAÇÃO DA CRECHE DR. LUIZ RENNÓ MENDES

ENDEREÇO
RUA 06, ÁREA INSTITUCIONAL 1, C. H. DR. LUIZ R. MENDES
SANTA RITA DO SAPUCAÍ – MINAS GERAIS

DISCIPLINA
ESTRUTURAL

FASE DO PROJETO
EXECUTIVO

ASSUNTO
PROJETO DE ESTRUTURAS EM CONCRETO ARMADO
PROJETO ESTRUTURAL DO MURO DE FECHAMENTO
DETALHAMENTO DAS VIGAS

FOLHA Nº.
30

DATA INICIAL	ESCALA	REVISÃO	ARQUIVO
14/10/2020	INDICADA	R00	DAC-SRS-CRE-PE-EST-R00.DWG