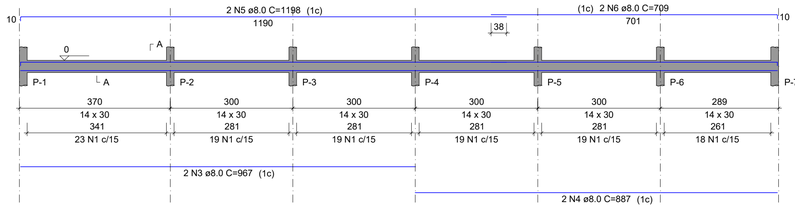
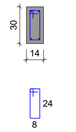
VB-1
ESC 1:75

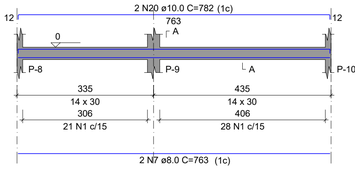


SEÇÃO A-A
ESC 1:25

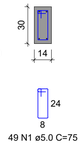


117 N1 ø5.0 C=75

VB-2
ESC 1:75

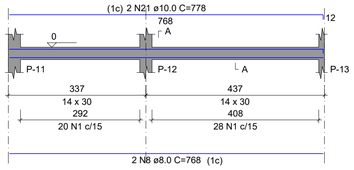


SEÇÃO A-A
ESC 1:25

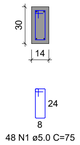


49 N1 ø5.0 C=75

VB-3
ESC 1:75

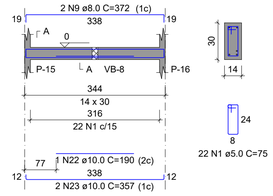


SEÇÃO A-A
ESC 1:25



48 N1 ø5.0 C=75

VB-4
ESC 1:75



SEÇÃO A-A
ESC 1:25

22 N1 ø5.0 C=75

RELAÇÃO DO AÇO

7xP-1 16xP-8

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	140	58	8120
	2	5.0	448	75	33600
CA50	3	10.0	42	234	9828
	4	10.0	64	322	20608

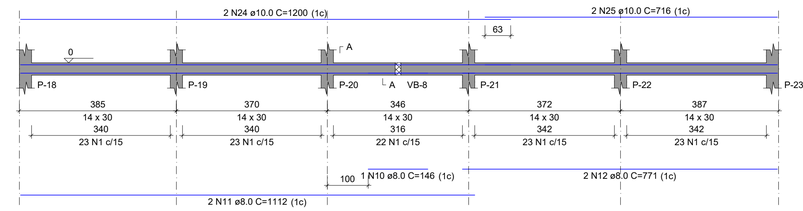
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	304.4	206.4
CA60	5.0	417.2	70.7

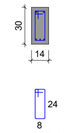
PESO TOTAL (kg)	
CA50	206.4
CA60	70.7

Volume de concreto (C-25) = 2.64 m³
Área de forma = 55.38 m²

VB-5
ESC 1:75

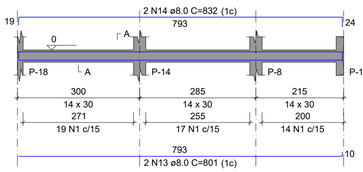


SEÇÃO A-A
ESC 1:25

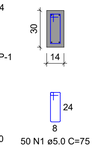


114 N1 ø5.0 C=75

VB-6
ESC 1:75

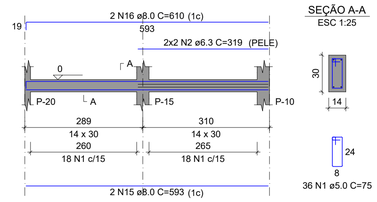


SEÇÃO A-A
ESC 1:25

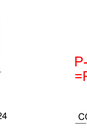


50 N1 ø5.0 C=75

VB-7
ESC 1:75

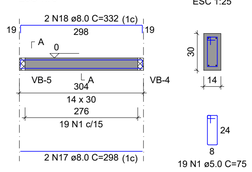


SEÇÃO A-A
ESC 1:25



36 N1 ø5.0 C=75

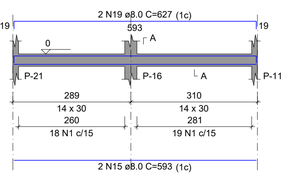
VB-8
ESC 1:75



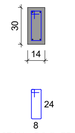
SEÇÃO A-A
ESC 1:25

19 N1 ø5.0 C=75

VB-9
ESC 1:75

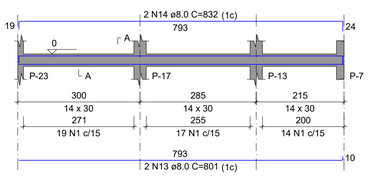


SEÇÃO A-A
ESC 1:25

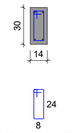


37 N1 ø5.0 C=75

VB-10
ESC 1:75



SEÇÃO A-A
ESC 1:25



50 N1 ø5.0 C=75

RELAÇÃO DO AÇO

VB-1 VB-2 VB-3
VB-4 VB-5 VB-6
VB-7 VB-8 VB-9
VB-10

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	542	75	40650
CA50	2	6.3	4	319	1276
	3	8.0	2	967	1934
	4	8.0	2	887	1774
	5	8.0	2	1198	2396
	6	8.0	2	709	1418
	7	8.0	2	763	1526
	8	8.0	2	768	1536
	9	8.0	2	372	744
	10	8.0	1	146	146
	11	8.0	2	1112	2224
	12	8.0	2	771	1542
	13	8.0	4	801	3204
	14	8.0	4	832	3328
	15	8.0	4	593	2372
	16	8.0	2	610	1220
	17	8.0	2	298	596
	18	8.0	2	332	664
	19	8.0	2	627	1254
	20	10.0	2	782	1564
	21	10.0	2	778	1556
	22	10.0	1	190	190
	23	10.0	2	357	714
	24	10.0	2	1200	2400
	25	10.0	2	716	1432

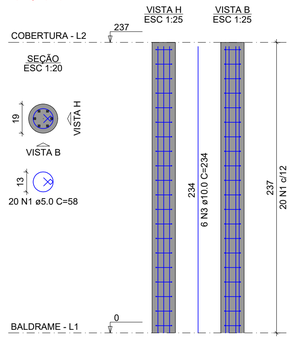
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	12.8	3.4
	8.0	278.8	121
	10.0	78.6	53.3
CA60	5.0	406.5	68.9

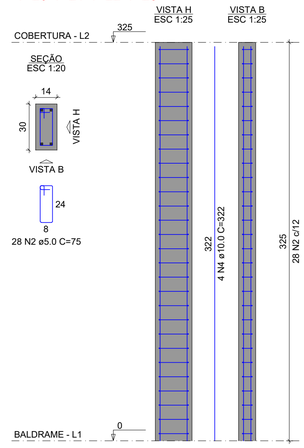
PESO TOTAL (kg)	
CA50	177.7
CA60	68.9

Volume de concreto (C-25) = 3.37 m³
Área de forma = 59.29 m²

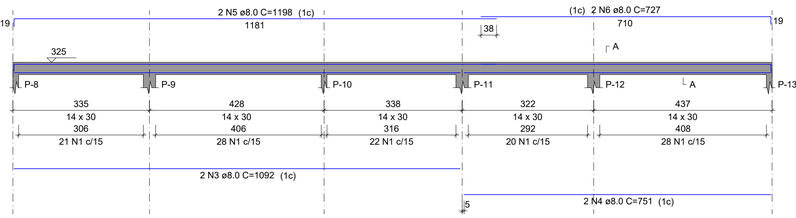
P-1=P-2=P-3=P-4=P-5=
=P-6=P-7



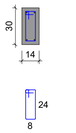
P-8=P-9=P-10=P-11=
=P-12=P-13=P-14=P-15=
=P-16=P-17=P-18=P-19=
=P-20=P-21=P-22=P-23



VC-1
ESC 1:75

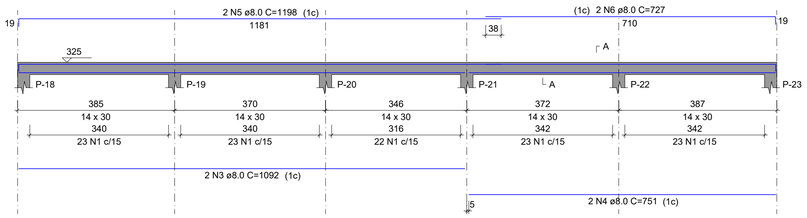


SEÇÃO A-A
ESC 1:25

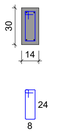


119 N1 ø5.0 C=75

VC-2
ESC 1:75

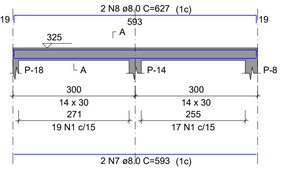


SEÇÃO A-A
ESC 1:25

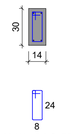


114 N1 ø5.0 C=75

VC-3
ESC 1:75

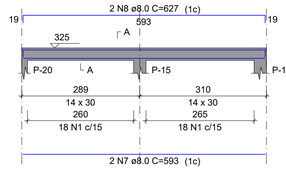


SEÇÃO A-A
ESC 1:25

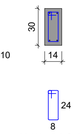


36 N1 ø5.0 C=75

VC-4
ESC 1:75

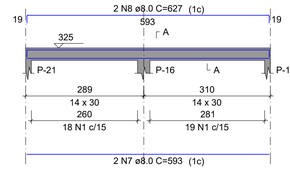


SEÇÃO A-A
ESC 1:25

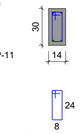


36 N1 ø5.0 C=75

VC-5
ESC 1:75

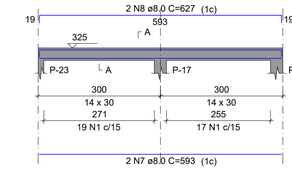


SEÇÃO A-A
ESC 1:25

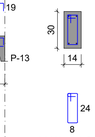


37 N1 ø5.0 C=75

VC-6
ESC 1:75



SEÇÃO A-A
ESC 1:25



36 N1 ø5.0 C=75

RELAÇÃO DO AÇO

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

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	495	75	37125
	2	5.0	42	55	2310
CA50	3	8.0	4	1092	4368
	4	8.0	4	751	3004
	5	8.0	6	1198	7188
	6	8.0	6	727	4362
	7	8.0	8	593	4744
	8	8.0	8	627	5016
	9	8.0	2	967	1934
	10	8.0	2	887	1774
	11	8.0	4	224	896
	12	8.0	4	235	940

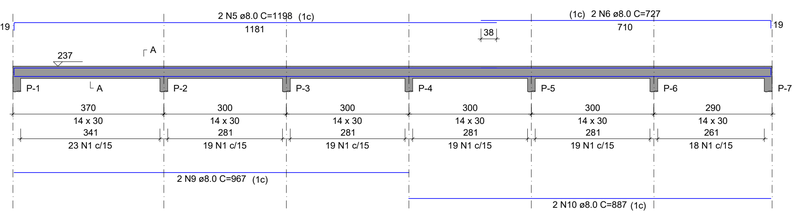
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	342.3	148.6
CA60	5.0	394.4	66.9

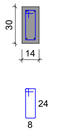
PESO TOTAL (kg)	
CA50	148.6
CA60	66.9

Volume de concreto (C-25) = 3.19 m³
Área de forma = 56.40 m²

VC-7
ESC 1:75

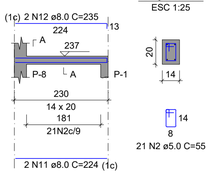


SEÇÃO A-A
ESC 1:25



117 N1 ø5.0 C=75

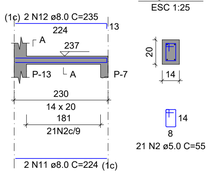
VC-8
ESC 1:75



SEÇÃO A-A
ESC 1:25

21 N2 ø5.0 C=55

VC-9
ESC 1:75



SEÇÃO A-A
ESC 1:25

21 N2 ø5.0 C=55

APROVAÇÃO:

REVISÃO	DATA	MODIFICAÇÃO
01		
02		
03		
04		
05		
06		
07		

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Construções, Urbanisno e Saneamento LTDA
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Fone: (62) 3645-3100

ESTRUTURAL

CLIENTE
PREFEITURA MUNICIPAL DE SANTA RITA DO ARAGUAIA

OBRA
AMPLIAÇÃO DA ESCOLA ROMÃO MARTINS DE SOUZA

ENDEREÇO
AV. SANTA RITA, ESQ C/ RUA MANOEL SEVERINO RODRIGUES
SANTA RITA DO ARAGUAIA - GO

REFERENTE
ARMADURA - VIGAS BALDRAME
ARMADURA - PILARES
ARMADURA - VIGAS COBERTURA

ÁREAS

ÁREA AMPLIAÇÃO: 148,80m²

A.R.T.

ENG. RENAN LUIZ DA SILVA DE JESUS
CREA: 1018902430/D-GO

PREF. MUNICIPAL DE SANTA RITA DO ARAGUAIA
CNPJ: 01.067.990/0001-48

Prancha N°
3/3

Desenho	Revisão	Tamanho	Escala(s)	Unidade(s)	Data	ART N°
RENAN	00	A1	INDICADA	CENTÍMETROS	MARÇO/2026	

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