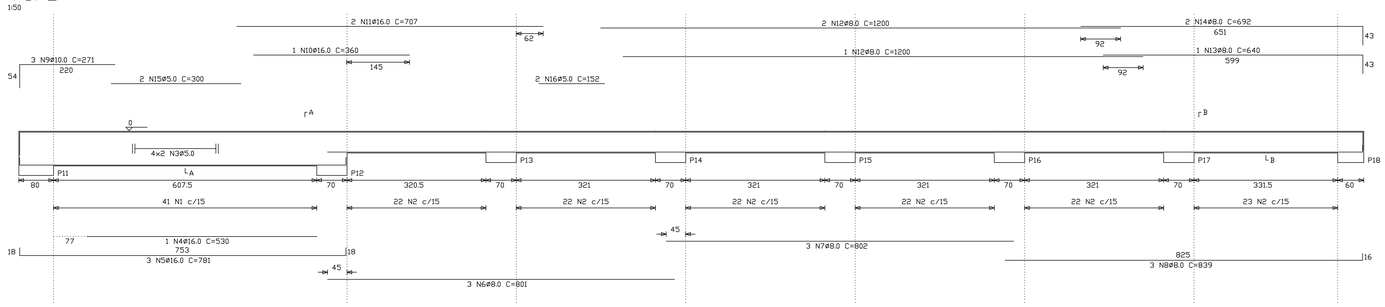
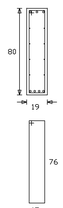
V3P2

1:50

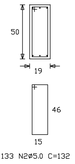


SECAO A-A
ESC 1:20



41 N1Ø5.0 C=192

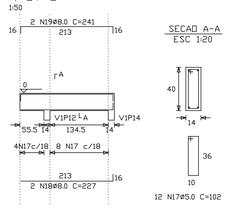
SECAO B-B
ESC 1:20



133 N2Ø5.0 C=132

V3P5

1:50

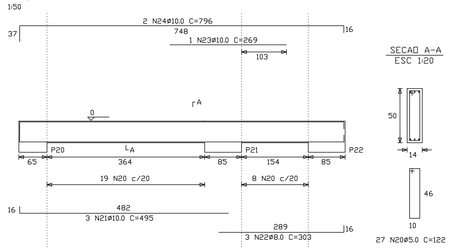


SECAO A-A
ESC 1:20

12 N17Ø5.0 C=102

V3P4

1:50

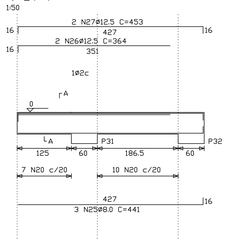


SECAO A-A
ESC 1:20

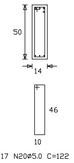
27 N20Ø5.0 C=122

V3P7

1:50



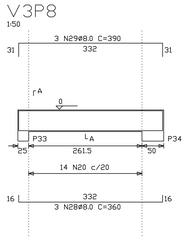
SECAO A-A
ESC 1:20



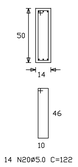
17 N20Ø5.0 C=122

V3P8

1:50



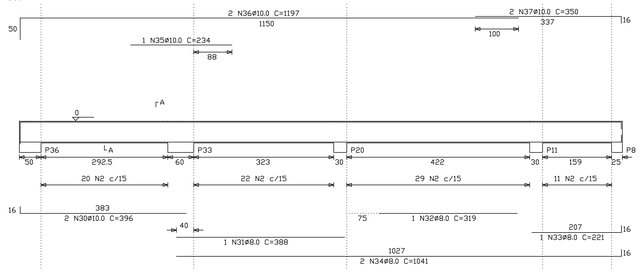
SECAO A-A
ESC 1:20



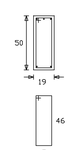
14 N20Ø5.0 C=122

V3P10

1:50



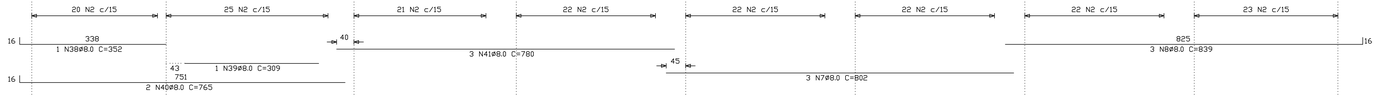
SECAO A-A
ESC 1:20



82 N2Ø5.0 C=132

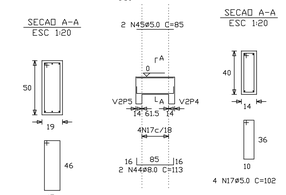
V3P9

1:50



V3P11

1:50



177 N2Ø5.0 C=132

SECAO A-A
ESC 1:20

4 N17Ø5.0 C=102

RELACAO DO ACO

V3P2
V3P7
V3P9
V3P14

V3P5
V3P8
V3P11
V3P15

V3P4
V3P10
V3P12
V3P16

ACO	N	DIAM.	Q.	UNIT (cm)	C. TOTAL (cm)
50A	6	8.0	3	801	2403
	7	8.0	6	802	4812
	8	8.0	6	839	5034
	12	8.0	6	1200	7200
	13	8.0	1	640	640
	14	8.0	2	692	1384
	18	8.0	2	227	454
	19	8.0	2	241	482
	22	8.0	3	303	909
	25	8.0	3	441	1323
	28	8.0	3	360	1080
	29	8.0	3	390	1170
	31	8.0	1	388	388
	32	8.0	1	319	319
	33	8.0	1	221	221
	34	8.0	2	1041	2082
	38	8.0	1	352	352
	39	8.0	1	309	309
	40	8.0	2	765	1530
	41	8.0	3	780	2340
	42	8.0	3	1198	3594
	43	8.0	3	967	2901
	44	8.0	1	113	226
	47	8.0	3	390	1170
	50	8.0	3	307	921
	51	8.0	3	337	1011
	54	8.0	3	168	504
	57	8.0	3	269	807
	59	8.0	3	135	405
	62	8.0	3	140	420
	9	10.0	3	271	813
	21	10.0	3	495	1485
	23	10.0	1	269	269
	24	10.0	2	796	1592
	30	10.0	2	396	792
	35	10.0	1	234	234
	36	10.0	2	1197	2394
	37	10.0	2	350	700
	46	10.0	4	406	1624
	48	10.0	2	245	490
	49	10.0	2	794	1588
	26	12.5	2	364	728
	27	12.5	2	453	906
	55	12.5	2	342	684
	56	12.5	2	516	2580
	4	16.0	1	530	530
	5	16.0	3	781	2343
	10	16.0	1	360	360
	11	16.0	2	707	1414
	52	16.0	4	505	2020
	58	16.0	4	507	2028
	60	16.0	1	557	557
	61	16.0	2	607	1214
60	1	5.0	41	192	7872
	2	5.0	424	132	55968
	3	5.0	corr	corr	5776
	15	5.0	2	300	600
	16	5.0	2	152	304
	17	5.0	16	102	1632
	20	5.0	206	122	25132
	45	5.0	2	85	170
	53	5.0	2	353	706
	63	5.0	2	210	420
	64	5.0	2	214	428

RESUMO DO ACO

VIGAS 3ºPISO-VIGAS 4ºPISO-VIGAS 5ºPISO(x3)

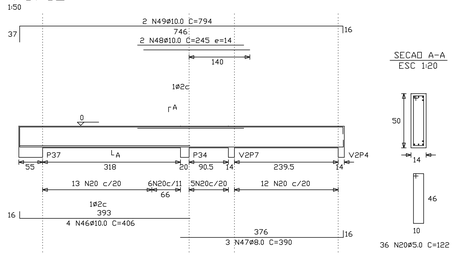
ACO	DIAM.	C. TOTAL (m)	PESO+10% (kgf)
CA50A	8.0	1.391,7	600
CA50A	10.0	359,4	249
CA50A	12.5	146,7	159
CA50A	16.0	312,8	543
CA60	5.0	2.970,0	513

PESO TOTAL	
CA50A	1.551 kgf
CA60	513 kgf

Vol. concreto total = 32,67 m3;
Area de forma total = 438,84 m2.

V3P12

1:50

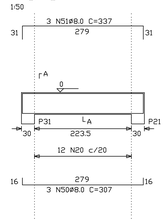


SECAO A-A
ESC 1:20

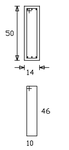
36 N20Ø5.0 C=122

V3P14

1:50



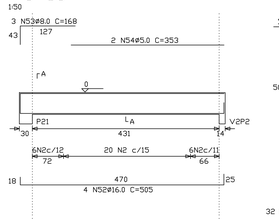
SECAO A-A
ESC 1:20



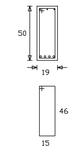
12 N20Ø5.0 C=122

V3P15

1:50



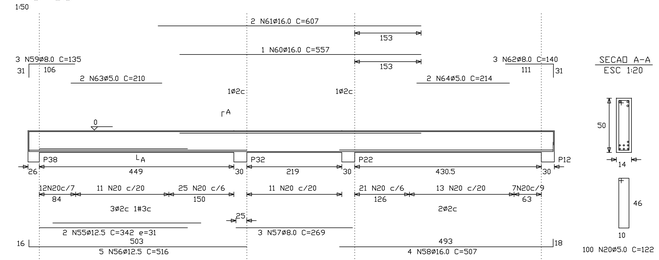
SECAO A-A
ESC 1:20



32 N2Ø5.0 C=132

V3P16

1:50



SECAO A-A
ESC 1:20

100 N20Ø5.0 C=122

RESUMO DO ACO

VIGAS 3ºPISO-VIGAS 4ºPISO-VIGAS 5ºPISO(x3)

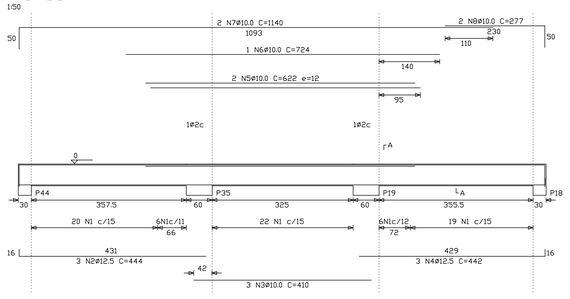
ACO	DIAM.	C. TOTAL (m)	PESO+10% (kgf)
CA50A	8.0	1.391,7	600
CA50A	10.0	359,4	249
CA50A	12.5	146,7	159
CA50A	16.0	312,8	543
CA60	5.0	2.970,0	513

PESO TOTAL	
CA50A	1.551 kgf
CA60	513 kgf

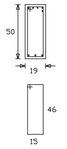
Vol. concreto total = 32,67 m3;
Area de forma total = 438,84 m2.

V3P18

1:50



SECAO A-A
ESC 1:20



73 N1Ø5.0 C=132

RELACAO DO ACO

V3P18

ACO	N	DIAM.	Q.	UNIT (cm)	C. TOTAL (cm)
50A	3	10.0	3	410	1230
	5	10.0	2	622	1244
	9	10.0	1	724	724
	10	10.0	2	1140	2280
	8	10.0	5	277	554
	11	12.5	3	444	1332
	4	12.5	3	442	1326
60	1	5.0	73	132	9636

RESUMO DO ACO

VIGAS 3ºPISO-VIGAS 4ºPISO-VIGAS 5ºPISO(x3)

ACO	DIAM.	C. TOTAL (m)	PESO+10% (kgf)
CA50A	10.0	180,90	126
CA50A	12.5	79,50	87
CA60	5.0	288,90	51

PESO TOTAL	
CA50A	213 kgf
CA60	51 kgf

Vol. concreto total = 3,48 m3;
Area de forma total = 43,47 m2.

MAPA CHAVE:

HISTÓRICO DE REVISÕES

REVISÃO	DATA	MOTIVAÇÃO	SOLICITANTE	CONTEÚDO	AUTOR
R22	08/05/25	Revisão e Adequação do Projeto de Estrutura Mista (aço/concreto).	SEINFRA	PROJETO ESTRUTURAL	Domingos

LEGENDAS

AÇO=CA-50 e 60;
fy = 5.000 Kgf/cm2 e fy = 6.000 Kgf/cm2 respectivamente;;
fck =300 Kgf/cm2 (FUNDAÇÃO);
fck =300 Kgf/cm2 (ESTRUTURA).

CARIMBO DE APROVAÇÃO :

APROVAÇÃO DE PROJETOS

Os Projetos referentes ao Processo SEI Nº 20520092000985, encontram-se dentro das normas e exigências da SEINFRA, tendo sido elaborado por profissionais habilitados.

SPOO - SUPERINTENDÊNCIA DE PROJETOS E ORÇAMENTOS DE OBRAS

GEP - GERÊNCIA DE PROJETOS

SEINFRA
Secretaria de Estado da Infraestrutura

GOVERNO DE GOIÁS
O ESTADO QUE DÁ CERTO

The Prime Tamanduaré Office - Rua 5, 691 305 - Setor Oeste, Goiânia - GO
CEP: 74115-060

PROJETO ESTRUTURAL
ESTRUTURA MISTA EM AÇO-CONCRETO

RUA 26, 513-561 - AV. UNIVERSITÁRIA, 1750 - SETOR LESTE UNIVERSITÁRIO, CEP: 74605-010, GOIÂNIA-GO

ESCOLA DO FUTURO DO ESTADO DE GOIÁS EM ARTES BASILEU FRANÇA - BLOCO 01 -MÚSICA

6 PAVIMENTOS

RESPONSÁVEL LEGAL
SECRETARIA DO ESTADO DE DESENVOLVIMENTO E INOVAÇÃO CNPJ: 21.652.711/0001-10

AUTOR DO PROJETO
PETRUS ENGENHARIA CONST. E ADM LTDA. CREA 16610/RF
ENG. JADER AVELINO B SILVA - CREA 1018998722 D-GO

COAUTOR DO PROJETO
PETRUS ENGENHARIA CONST. E ADM LTDA. CREA 16610/RF
ENG. EDUARDO GOMES DE MORAIS - CREA 103590 - GO

AUTOR DA ADEQUAÇÃO
ENG. CIVIL DOMINGOS PASCHOAL CARDOSO - CREA 77391/D-GO

CONTEUDO
DETALHE DAS VIGAS DO 3º, 4º e 5º PISO.

AREA DO TERRENO ORIGINAL	DESENHO	DATA	ESCALA	FOLHA
9403,80m²	D'Paschoal	JUN/2025	INDICADA	12/44
AREA DA CONSTRUÇÃO	**PROGRAMA**		**FORMATO**	
13803,90m²	AUTOCAD 2025		A0 (1189X841 mm)	

IMPORTANTE

- Antes da execução, verificar a compatibilidade com os demais projetos complementares: EXECUTIVO, ESTRUTURAL INCÊNDIO E ELETRICO
- Conforme Lei 9.610/98, o seu conteudo não poderá ser copiado ou utilizado por terceiros sem autorização.