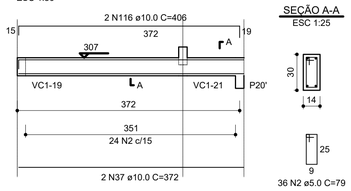
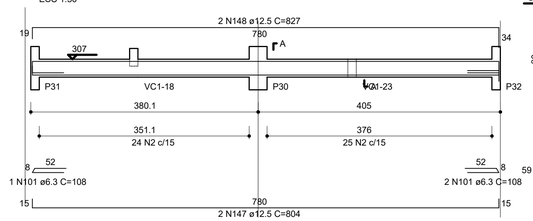
VC1-10 (14 x 30)
ESC 1:50



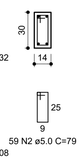
SEÇÃO A-A
ESC 1:25

Volume concreto: 3,51x0,30x0,14= 0,147m³
Área Forma: ((3,51x0,3)x2+(3,51x0,14) = 2,60m²

VC1-12 (14 x 30)
ESC 1:50



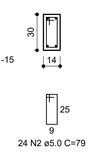
SEÇÃO A-A
ESC 1:25



Volume concreto: (3,511x0,30x0,14)+(3,76x0,30x0,14)= 0,305m³
Área Forma: ((3,511+3,76)x0,3)x2)+((3,511+3,76)x0,14) = 5,38m²

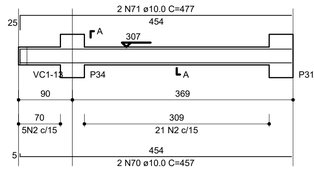
VC1-13 (14 x 30)
ESC 1:50

SEÇÃO A-A
ESC 1:25

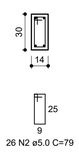


Volume concreto: 3,51x0,30x0,14= 0,147m³
Área Forma: (3,51x0,3)x2+(3,51x0,14) = 2,59m²

VC1-15 (14 x 30)
ESC 1:50



SEÇÃO A-A
ESC 1:25



Volume concreto: (0,70x0,30x0,14)+(3,09x0,30x0,14)= 0,159m³
Área Forma: ((0,70+3,09)x0,3x2)+((0,70+3,09)x0,14) = 2,665m²

RELAÇÃO DO AÇO

VC1-2	VC1-4	VC1-6
VC1-7	VC1-10	VC1-12
VC1-13	VC1-14	VC1-15
VC1-16	VC1-17	VC1-18
VC1-19	VC1-20	VC1-21
VC1-22	VC1-23	VC1-24
VC1-25		

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	2	5.0	944	79	74576
CA50	101	6.3	3	108	324
	37	10.0	4	372	1488
	40	10.0	4	374	1496
	58	10.0	2	763	1526
	59	10.0	2	786	1572
	65	10.0	2	319	638
	70	10.0	2	457	914
	71	10.0	2	477	954
	77	10.0	2	502	1004
	110	10.0	8	76	608
	116	10.0	4	406	1624
	117	10.0	2	410	820
	118	10.0	1	250	250
	119	10.0	2	520	1040
	120	10.0	2	361	722
	121	10.0	2	388	776
	122	10.0	2	811	1622
	123	10.0	2	312	624
	124	10.0	2	420	840
	125	10.0	1	280	280
	126	10.0	2	753	1506
	131	10.0	1	117	117
	132	10.0	2	542	1084
	133	10.0	2	361	722
	134	10.0	2	1104	2208
	145	12.5	3	769	2307
	146	12.5	3	836	2508
	147	12.5	2	804	1608
	148	12.5	2	827	1654
	149	12.5	2	220	440
	150	12.5	3	1197	7182
	151	12.5	3	479	1437
	152	12.5	2	226	452
	153	12.5	1	182	182
	154	12.5	2	412	722
	155	12.5	1	245	245
	157	12.5	2	1141	2282

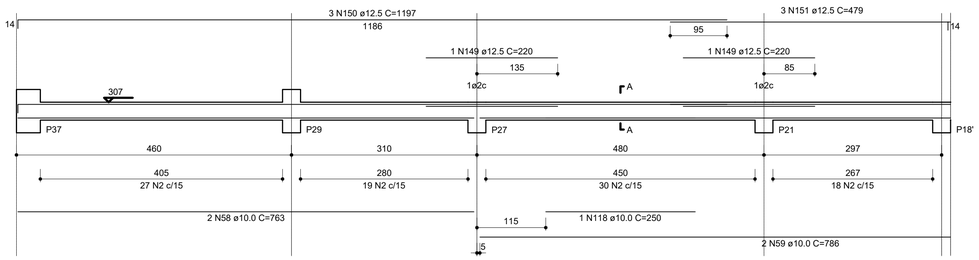
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO+10% (kg)
CA50	6.3	3.2	0.9
	10.0	244.35	165.68
	12.5	175.3	185,82
CA60	5.0	745.76	117.51

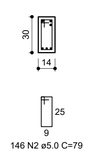
PESO TOTAL (kg)	
CA50	352.4
CA60	117.5

(C-25) = 3,02 m³
Área de forma = 53,11 m²

VC1-14 (14 x 30)
ESC 1:50

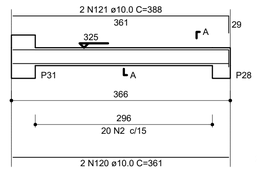


SEÇÃO A-A
ESC 1:25

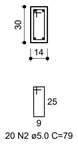


Volume concreto: (4,05+2,80+4,50+2,67)x0,3x0,14 = 0,589
Área Forma: (4,05+2,80+4,50+2,67)x0,3x2+(14,02x0,14) = 10,375m²

VC1-16 (14 x 30)
ESC 1:50

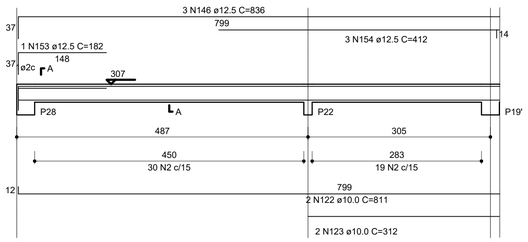


SEÇÃO A-A
ESC 1:25

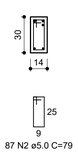


Volume concreto: 2,96x0,30x0,14= 0,124m³
Área Forma: (2,96x0,3)x2+(2,96x0,14) = 2,190m²

VC1-17 (14 x 30)
ESC 1:50

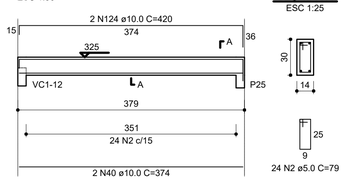


SEÇÃO A-A
ESC 1:25



Volume concreto: (4,50+2,83)x0,3x0,14 = 0,308
Área Forma: (4,5+2,83)x0,3x2+(7,33x0,14) = 5,426m²

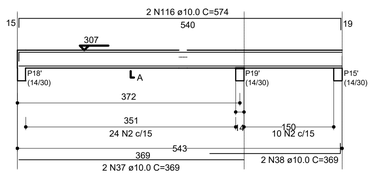
VC1-18 (14 x 30)
ESC 1:50



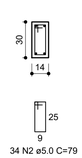
SEÇÃO A-A
ESC 1:25

Volume concreto: 3,51x0,30x0,14= 0,147m³
Área Forma: (3,51x0,3)x2+(3,51x0,14) = 2,60m²

VC1-10' (14 x 30)
ESC 1:50

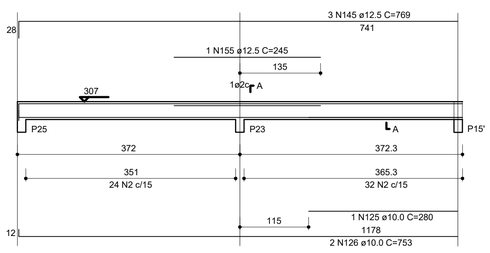


SEÇÃO A-A
ESC 1:25

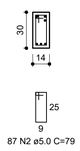


Volume concreto: (3,51+1,50)x0,30x0,14= 0,210m³
Área Forma: (3,51+1,5)x0,3x2+(5,01x0,14) = 3,707m²

VC1-19 (14 x 30)
ESC 1:50

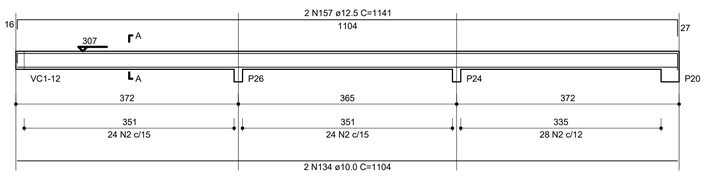


SEÇÃO A-A
ESC 1:25

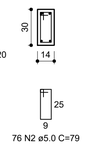


Volume concreto: (3,51+3,653)x0,30x0,14= 0,301m³
Área Forma: (3,51+3,653)x0,3x2+(7,16x0,14) = 5,30m²

VC1-23 (14 x 30)
ESC 1:50

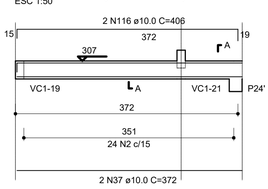


SEÇÃO A-A
ESC 1:25

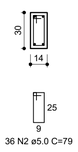


Volume concreto: (3,51+3,51+3,35)x0,30x0,14= 0,436m³
Área Forma: (3,51+3,51+3,35)x0,3x2+(10,37x0,14) = 7,674m²

VC1-17' (14 x 30)
ESC 1:50



SEÇÃO A-A
ESC 1:25



Volume concreto: 3,51x0,30x0,14= 0,147m³
Área Forma: (3,51x0,3)x2+(3,51x0,14) = 2,60m²

APROVAÇÃO:

PROCESSO N.º.....
PREFEITURA DE MINEIROS
SECRETARIA MUNICIPAL DE DESENVOLVIMENTO URBANO SUSTENTÁVEL-SEPLANH
DIRETORIA DE ANÁLISE E APROVAÇÃO DE PROJETOS
APROVADO
EM...../...../.....

ESTRUTURAL E FUNDAÇÃO DELEGACIA DE MINEIROS

Endereço: Rua Sebastiana Maris de Sousa, Qd. 05, Lt 19 e 20, - Morada do Sol - Mineiros - GO
COORDENADAS GEOGRÁFICAS: **17°32'20.1"S 52°32'12.0"W**

EDIFICAÇÃO INSTITUCIONAL
TÉRREO

Proprietário
POLÍCIA CIVIL - GO - CNPJ 37014 123 0001 - 91

Autor do Projeto
ENG. CIVIL - Fernando Lesse de Mattos CREA 24526-D /GO
N° ART 1020200086470

Co-Autor do Projeto

Responsável Técnico

DESCRIÇÃO DOS PAVIMENTOS: TÉRREO			
CONTEUDO: DETALHE VIGAS COBERTURA 1	ÁREA DO TERRENO ORIGINAL: 602,31m²		FOLHA: 7/8
	ÁREA TOTAL DA CONSTRUÇÃO: 178,75m²		
	ÁREA PAVIMENTADA: 134,06m²		
	INDICE CONTROLE CAPTAÇÃO ÁGUA PLUVIAL: 7,14m³		DATA: MAIO / 2020
ÁREAS:	Area Permeável: 294,43m²		DESENHO: GUSTAVO BARBOSA
	ARQUIVO: EST_DP_MINEIROS_R01		