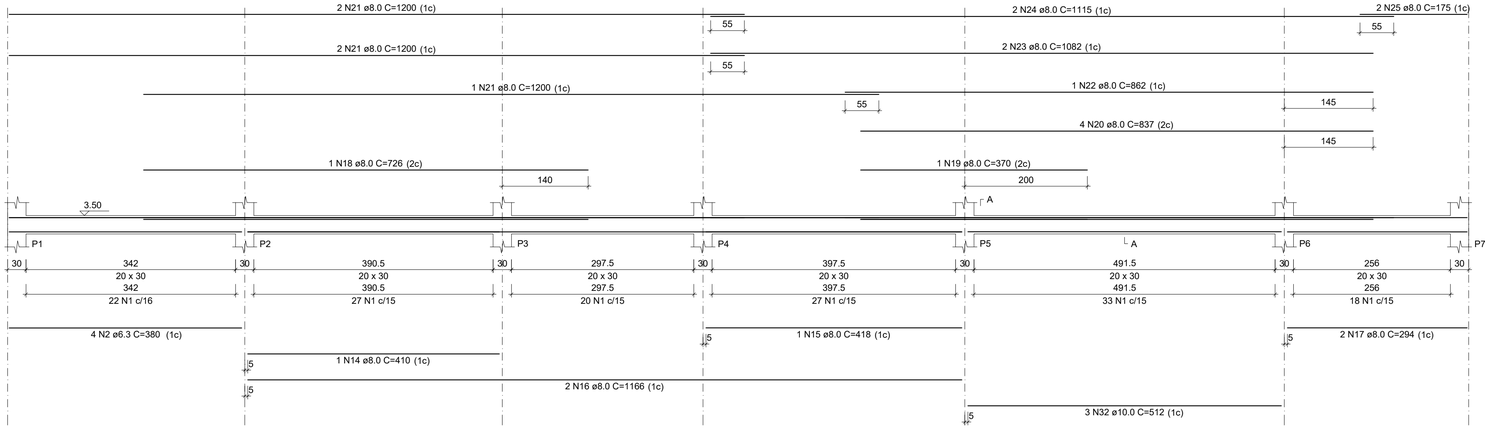
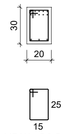
V1
ESC 1:50

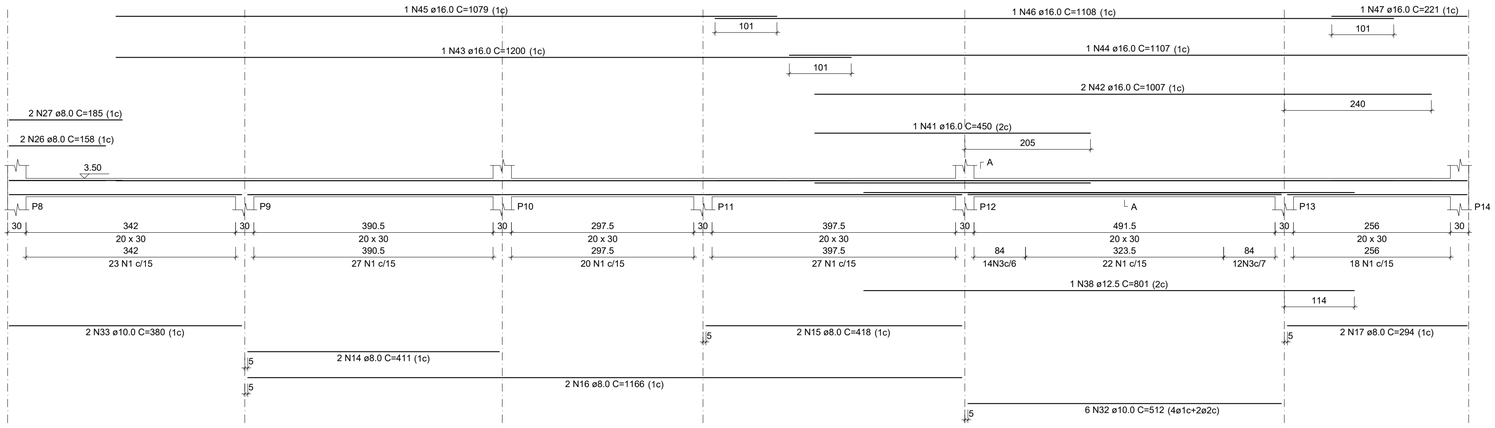


SEÇÃO A-A
ESC 1:25

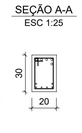


147 N1 ø5.0 C=91

V2
ESC 1:50

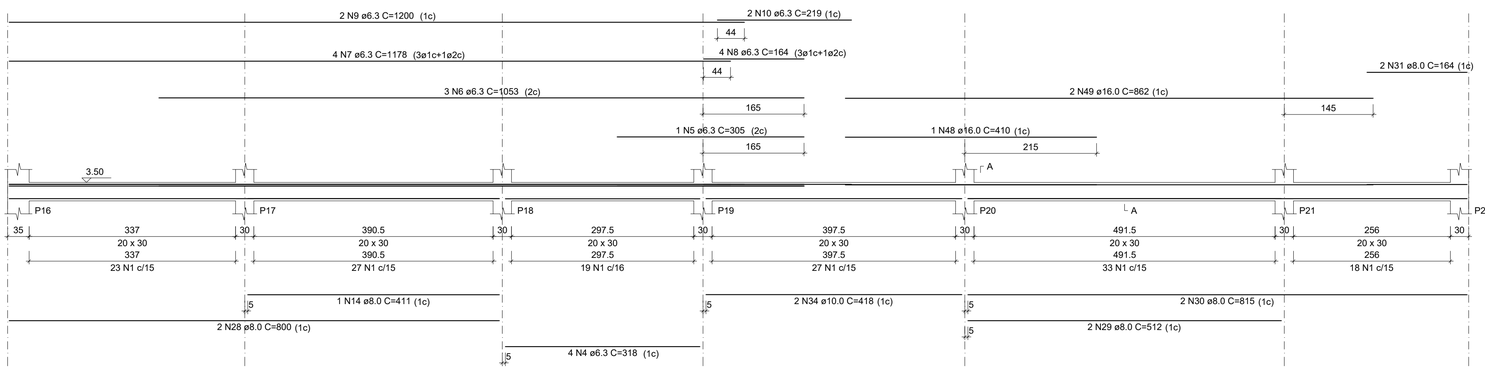


SEÇÃO A-A
ESC 1:25

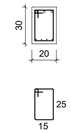


137 N1 ø5.0 C=91
26 N3 ø6.3 C=92

V3
ESC 1:50

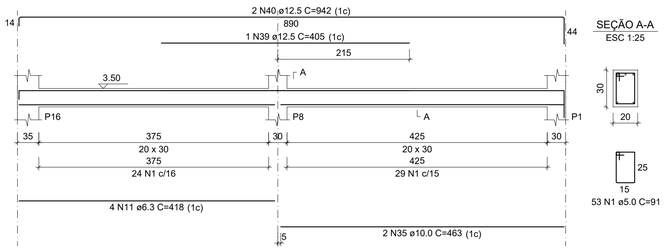


SEÇÃO A-A
ESC 1:25



147 N1 ø5.0 C=91

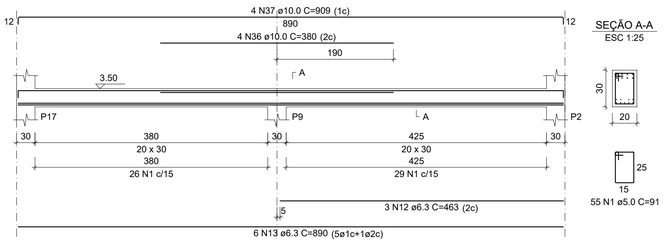
V4
ESC 1:50



SEÇÃO A-A
ESC 1:25

53 N1 ø5.0 C=91

V5
ESC 1:50



SEÇÃO A-A
ESC 1:25

55 N1 ø5.0 C=91

DETALHAMENTO VIGAS TERREO
escala 1:50

RELAÇÃO DO AÇO

V1 V2 V3
V4 V5

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	539	91	49049
CA50	2	6.3	4	380	1520
	3	6.3	26	92	2392
	4	6.3	4	318	1272
	5	6.3	1	305	305
	6	6.3	3	1053	3159
	7	6.3	4	1178	4712
	8	6.3	4	164	656
	9	6.3	2	1200	2400
	10	6.3	2	219	438
	11	6.3	4	418	1672
	12	6.3	3	463	1389
	13	6.3	6	890	5340
	14	8.0	4	410	1640
	15	8.0	3	418	1254
	16	8.0	4	1166	4664
	17	8.0	4	294	1176
	18	8.0	1	726	726
	19	8.0	1	370	370
	20	8.0	4	837	3348
	21	8.0	5	1200	6000
	22	8.0	1	862	862
	23	8.0	2	1082	2164
	24	8.0	2	1115	2230
	25	8.0	2	175	350
	26	8.0	2	158	316
	27	8.0	2	185	370
	28	8.0	2	800	1600
	29	8.0	2	512	1024
	30	8.0	2	815	1630
	31	8.0	2	164	328
	32	10.0	9	512	4608
	33	10.0	2	380	760
	34	10.0	2	418	836
	35	10.0	2	463	926
	36	10.0	4	380	1520
	37	10.0	4	909	3636
	38	12.5	1	801	801
	39	12.5	1	405	405
	40	12.5	2	942	1884
	41	16.0	1	450	450
	42	16.0	2	1007	2014
	43	16.0	1	1200	1200
	44	16.0	1	1107	1107
	45	16.0	1	1079	1079
	46	16.0	1	1108	1108
	47	16.0	1	221	221
	48	16.0	1	410	410
	49	16.0	2	862	1724

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	252.6	68
	8.0	300.6	130.5
	10.0	122.9	83.3
	12.5	30.9	32.7
	16.0	93.1	161.7
CA60	5.0	490.5	83.2

PESO TOTAL (kg)	
CA50	476.2
CA60	83.2

Volume de concreto (C-25) = 5.37 m³
Área de forma = 71.56 m²

Aprovações:

PROJETO REFORÇO ESTRUTURAL

Local:
PRAÇA DOUTOR CÉSAR LEITE, 500 - BAIRRO CENTRO - MANHUACU- MG

Proprietário:

POLICIA MILITAR DE MINAS GERAIS - COLEGIO TIRADENTES - UNIDADE MANHUAÇU
CNPJ: 16.695.025/0001-97

Responsável Técnico:

VICTOR DUTRA OLIVEIRA - CREA: 128.201/D - MG

Desenho:

Pórtico Engenharia

Conteúdo:

DETALHAMENTO VIGAS TERREO

Áreas :	Data:	Escalas:	Folha:
VER ARQUITETURA	16/08/2021	INDICADAS	04/10