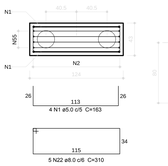
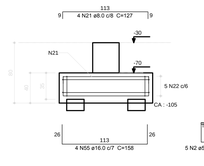
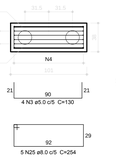
B1=B3=B9=B86
2xCP23
PLANTA
ESC 1:25



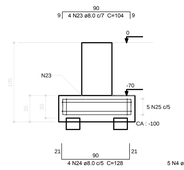
CORTE
ESC 1:25



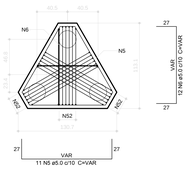
B2=B5=B13=B14
2xCP21.5
PLANTA
ESC 1:25



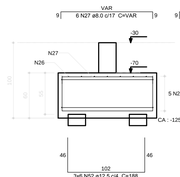
CORTE
ESC 1:25



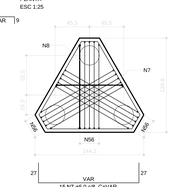
B4=B10=B17
3xCP23
PLANTA
ESC 1:25



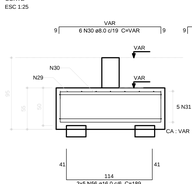
CORTE
ESC 1:25



B6=B11=B16=B20=B21=B24=B25=B32=B34=B40 =B46
3xCP26
PLANTA
ESC 1:25



CORTE
ESC 1:25



Relação do aço

4x814		3xB17		11xB34	
2x841		B45		2xB52	
B63		B57		13xB60	
4xB63		4xB65		3xB66	
B67		2xB70		3xB81	
4xB86		2xB87		2xB88	

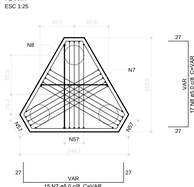
AÇO	N	DIAM (mm)	QUANT (barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	16	163	2608
	2	5.0	20	128	2560
	3	5.0	32	130	4160
	4	5.0	40	108	4320
	5	5.0	33	VAR	VAR
	6	5.0	36	VAR	VAR
	7	5.0	420	VAR	VAR
	8	5.0	476	VAR	VAR
	9	5.0	8	153	1224
	10	5.0	10	118	1180
	11	5.0	8	192	1536
	12	5.0	10	182	1820
	13	5.0	72	165	11880
	14	5.0	16	140	2240
	15	5.0	20	118	2360
	16	5.0	8	142	1136
	17	5.0	10	138	1380
	18	5.0	7	VAR	VAR
	19	5.0	8	VAR	VAR
	20	5.0	28	178	4984
CA50	21	8.0	42	127	5334
	22	8.0	30	310	9300
	23	8.0	56	104	5824
	24	8.0	16	128	2048
	25	8.0	70	254	17780
	26	8.0	21	VAR	VAR
	27	8.0	18	VAR	VAR
	28	8.0	15	376	5640
	29	8.0	196	VAR	VAR
	30	8.0	168	VAR	VAR
	31	8.0	140	412	57680
	32	8.0	8	154	1232
	33	8.0	10	398	3980
	34	8.0	18	129	2322
	35	8.0	15	472	7080
	36	8.0	2	146	292
	37	8.0	5	136	680
	38	8.0	10	158	1580
	39	8.0	5	VAR	VAR
	40	8.0	5	VAR	VAR
	41	8.0	5	304	1520
	42	8.0	4	154	616
	43	8.0	10	148	1480
	44	8.0	7	140	980
	45	8.0	7	142	994
	46	8.0	5	524	2620
	47	8.0	4	164	656
	48	10.0	20	137	2740
	49	10.0	20	127	2540
	50	10.0	15	129	1935
	51	10.0	10	161	1610
	52	12.5	54	188	10152
	53	12.5	12	149	1788
	54	12.5	12	206	2472
	55	16.0	16	158	2528
	56	16.0	165	189	31185
	57	16.0	195	199	38805
	58	16.0	24	VAR	VAR
	59	16.0	60	209	12540
	60	16.0	10	VAR	VAR

Resumo do aço

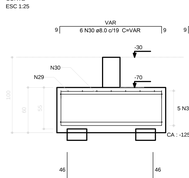
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	1856.9	805.9
	10.0	88.3	59.9
	12.5	144.2	152.7
	16.0	923.6	1603.5
CA60	5.0	2134.1	361.8
PESO TOTAL (kg)			
CA50	2622		
CA60	361.8		

Volume de concreto (C-40) = 29.78 m³
Área de forma = 123.37 m²

B7=B8=B12=B18=B19=B22=B23=B36=B55=B56 =B60=B69=B75
3xCP26
PLANTA
ESC 1:25

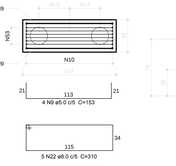


CORTE
ESC 1:25

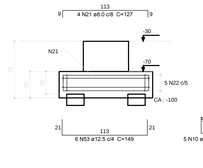




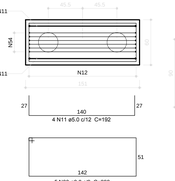
B15=B88
2xCP23
PLANTA
ESC 1:25



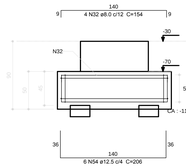
CORTE
ESC 1:25



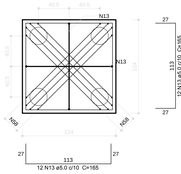
B33=B41
2xCP26
PLANTA
ESC 1:25



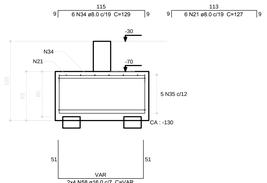
CORTE
ESC 1:25



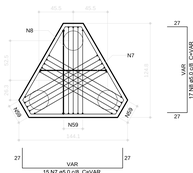
B35=B66=B84
4xCP23
PLANTA
ESC 1:25



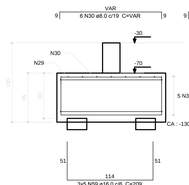
CORTE
ESC 1:25



B43=B44=B54=B65
3xCP26
PLANTA
ESC 1:25

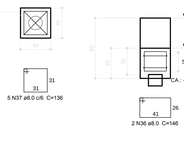


CORTE
ESC 1:25



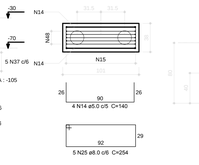


B45
1xCP21.5
PLANTA
ESC 1:25

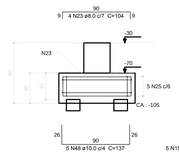


CORTE
ESC 1:25

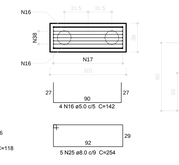
B48=B59=B81
2xCP21.5
PLANTA
ESC 1:25



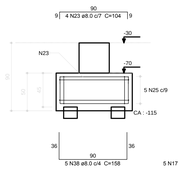
CORTE
ESC 1:25



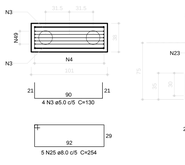
B50=B52
2xCP21.5
PLANTA
ESC 1:25



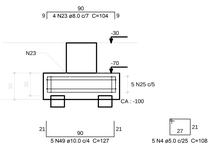
CORTE
ESC 1:25



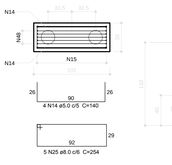
B51=B63=B79=B80
2xCP21.5
PLANTA
ESC 1:25



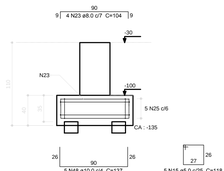
CORTE
ESC 1:25



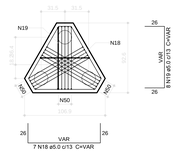
B53
2xCP21.5
PLANTA
ESC 1:25



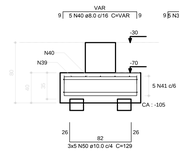
CORTE
ESC 1:25



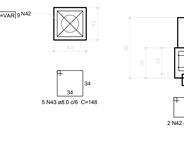
B57
3xCP21.5
PLANTA
ESC 1:25



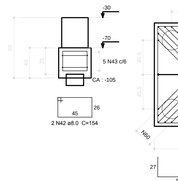
CORTE
ESC 1:25



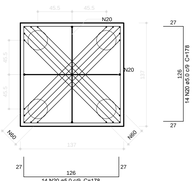
B58=B87
1xCP23
PLANTA
ESC 1:25



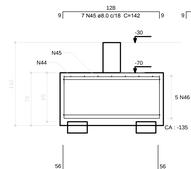
CORTE
ESC 1:25



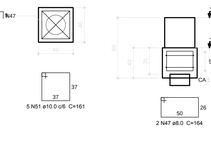
B67
4xCP26
PLANTA
ESC 1:25



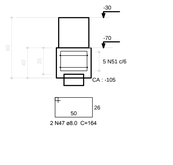
CORTE
ESC 1:25



B70=B73
1xCP26
PLANTA
ESC 1:25



CORTE
ESC 1:25



MINISTÉRIO DA EDUCAÇÃO
UNIVERSIDADE FEDERAL DE LAVRAS

PROJETO

TÍTULO:
PROJETO EXECUTIVO - ENGENHARIAS

CONTEÚDO:
PROJETO DE ESTRUTURA
BLOCOS DO PAVIMENTO FUNDAÇÃO

AUTOR DO PROJETO:
MARIUS OLIVEIRA COSTA CREA 90786/D

EXECUÇÃO DE OBRA:

APROVAÇÃO DO LAYOUT (PROF. RESPONSÁVEL):

DATA:	REVISÃO DATA:	PROJETO:
03/09/2018		ESTRUTURA
ESCALA: INDICADA	ÁREA: (m²) 4772,00 m²	FOLHA: 05/40