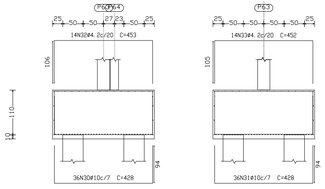
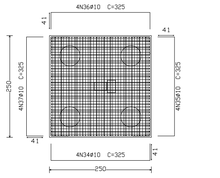
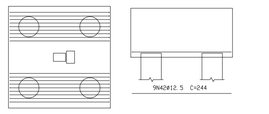
(P63-P64)



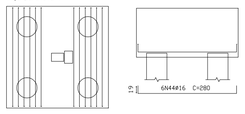
Estacas: EST 50



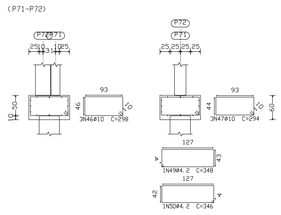
Viga paralela X



Viga paralela Y

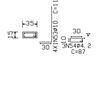


(P71-P72)

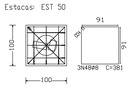


P71

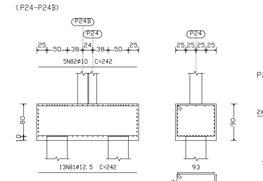
P72



Estacas: EST 50



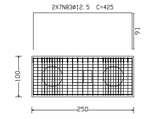
(P24-P24B)



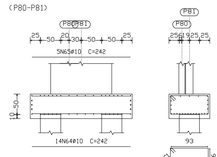
P24

P24B

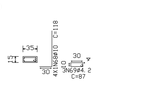
Estacas: EST 50



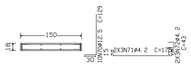
(P80-P81)



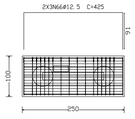
P80



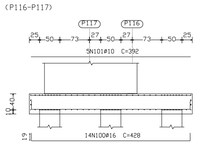
P81



Estacas: EST 50

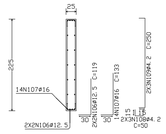


(P116-P117)

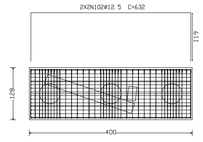


P116

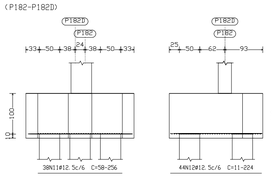
P117



Estacas: EST 50

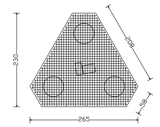


(P182-P182D)



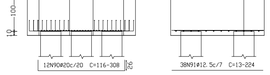
P182

Estacas: EST 50

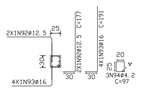


P182D

(P35-P35B)

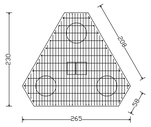


P35

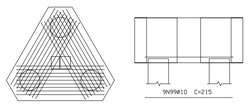


P35B

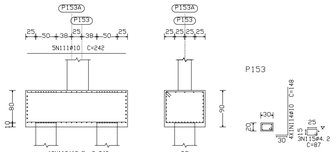
Estacas: EST 50



Viga lateral



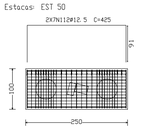
(P153-P153A)



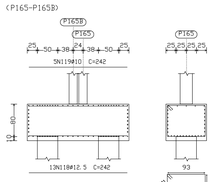
P153

P153A

Estacas: EST 50

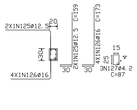


(P165-P165B)

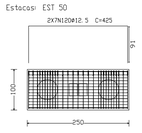


P165

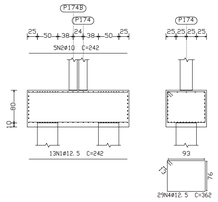
P165B



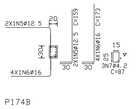
Estacas: EST 50



(P174-P174B)

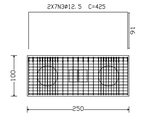


P174

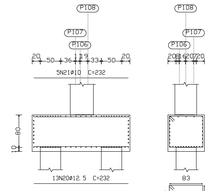


P174B

Estacas: EST 50



(P106-P107-P108)

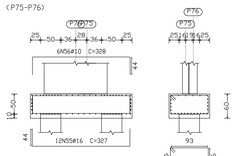


P106

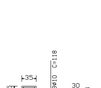
P107

P108

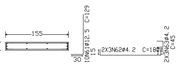
(P75-P76)



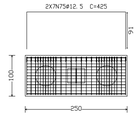
P75



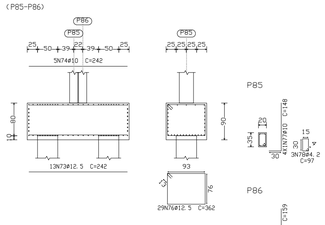
P76



Estacas: EST 50



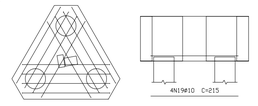
(P85-P86)



P85

P86

Viga lateral



Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
(P174-P174B)	1	#12.5	13		242		242	3146	30.9	
	2	#10	5		242		242	1210	7.6	
	3	#12.5	14		425		425	5950	58.4	
	4	#12.5	29		362		362	10498	103.0	
	5	#12.5	2	30	129		159	318	3.1	
	6	#16	4	30	143		173	692	10.9	
	7	#4.2	3		87		87	261		0.3
	8	#12.5	2	30	129		159	318	3.1	
	9	#16	4	30	143		173	692	10.9	
	10	#4.2	3		87		87	261		0.3
								Total+10%	250.7	0.7
(P182-P182D)	11	#12.5	38		VAR.		VAR.	6574	64.5	
	12	#12.5	44		VAR.		VAR.	6600	64.8	
	13	#10	4	30	137		167	668	4.2	
	14	#4.2	3		87		87	261		0.3
	15	#10	4	30	137		167	668	4.2	
	16	#4.2	3		77		77	231		0.3
	17	#10	4		215		215	860	5.4	
	18	#10	4		215		215	860	5.4	
	19	#10	4		215		215	860	5.4	
								Total+10%	169.3	0.7
(P106-P107-P108)	20	#12.5	13		232		232	3016	29.6	
	21	#10	5		232		232	1160	7.3	
	22	#12.5	14		395		395	5530	54.3	
	23	#12.5	29		342		342	9918	97.3	
	24	#10	4	30	118		148	592	3.7	
	25	#4.2	3		63		63	189		0.2
	26	#10	6	30	118		148	888	5.6	
	27	#4.2	3		67		67	201		0.2
	28	#10	6	30	118		148	888	5.6	
	29	#4.2	3		107		107	321		0.4
								Total+10%	223.7	0.9

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
(P63-P64)	30	#10	36	94	240	94	428	15408	96.8	
	31	#10	36	94	240	94	428	15408	96.8	
	32	#4.2	14	106	241	106	453	6342		6.9
	33	#4.2	14	105	242	105	452	6328		6.9
	34	#10	4	41	243	41	325	1300	8.2	
	35	#10	4	41	243	41	325	1300	8.2	
	36	#10	4	41	243	41	325	1300	8.2	
	37	#10	4	41	243	41	325	1300	8.2	
	38	#10	4	30	147		177	708	4.4	
	39	#4.2	3		87		87	261		0.3
	40	#10	4	30	147		177	708	4.4	
	41	#4.2	3		87		87	261		0.3
	42	#12.5	9		244		244	2196	21.5	
	43	#12.5	9		244		244	2196	21.5	
	44	#16	6	19	242	19	280	1680	26.4	
	45	#16	6	19	242	19	280	1680	26.4	
								Total+10%	364.1	13.8
(P71-P72)	46	#10	3		298		298	894	5.6	
	47	#10	3		294		294	882	5.5	
	48	#10	3		391		391	1143	4.5	
	49	#4.2	1		348		348	348		0.4
	50	#4.2	1		346		346	346		0.4
	51	#12.5	6	30	99		129	774	7.6	
	52	#4.2	3		67		67	201		0.2
	53	#10	4	30	88		118	472	3.0	
	54	#4.2	3		87		87	261		0.3
								Total+10%	28.8	1.4
(P75-P76)	55	#16	12	44	239	44	327	3924	61.6	
	56	#10	6	44	240	44	328	1968	12.4	
	57	#16	6		424		424	3392	53.3	
	58	#12.5	26		302		302	7852	77.0	
	59	#10	4	30	88		118	472	3.0	
	60	#4.2	3		87		87	261		0.3
	61	#12.5	10	30	99		129	1290	12.7	
	62	#4.2	6	15	150	15	180	1080		1.2
	63	#4.2	6	15	15	15	45	270		0.3
								Total+10%	242.0	2.0
(P80-P81)	64	#10	14		242		242	3388	21.3	
	65	#10	5		242		242	1210	7.6	
	66	#12.5	6		425		425	2550	25.0	
	67	#12.5	16		302		302	5436	53.3	
	68	#10	4	30	88		118	472	3.0	
	69	#4.2	3		87		87	261		0.3
	70	#12.5	10	30	99		129	1290	12.7	
	71	#4.2	6	15	145	15	175	1050		1.1
	72	#4.2	6	15	13	15	43	258		0.3
								Total+10%	135.2	1.9
(P85-P86)	73	#12.5	13		242		242	3146	30.9	
	74	#10	5		242		242	1210	7.6	
	75	#12.5	14		425		425	5950	58.4	
	76	#12.5	29		362		362	10498	103.0	
	77	#10	4	30	118		148	592	3.7	
	78	#4.2	3		97		97	291		0.3
	79	#12.5	6	30	129		159	954	9.4	
	80	#4.2	3		97		97	291		0.3
								Total+10%	234.3	0.7
(P24-P24B)	81	#12.5	13		242		242	3146	30.9	
	82	#10	5		242		242	1210	7.6	
	83	#12.5	14		425		425	5950	58.4	
	84	#12.5	29		362		362	10498	103.0	
	85	#12.5	2	30	129		159	318	3.1	
	86	#20	4	30	160		190	760	18.8	
	87	#4.2	3		87		87	261		0.3
	88	#10	6	30	118		148	888	5.6	
	89	#4.2	3		97		97	291		0.3
								Total+10%	250.1	0.7
(P35-P35B)	90	#20	12		VAR.		VAR.	2676	66.2	
	91	#12.5	38		VAR.		VAR.	5700	55.9	
	92	#10	5	30	147		177	354	3.5	
	93	#16	4	30	161		191	764	12.0	
	94	#4.2	3		97		97	291		0.3
	95	#10	6	30	136		166	1328	8.3	
	96	#4.2	3		87		87	261		0.3
	97	#10	9		215		215	1935	12.2	
	98	#10	9		215		215	1935	12.2	
	99	#10	9		215		215	1935	12.2	
								Total+10%	208.8	0.7
(P116-P117)	100	#16	14	19	390	19	428	5992	94.1	
	101	#10	5		392		392	1960	12.3	
	102	#12.5	4		632		632	2528	24.8	
	103	#10	40		334		334	13360	83.9	
	104	#10	4	30	78		108	432	2.7	
	105	#4.2	3		97		97	291		0.3
	106	#12.5	4	30	89		119	476	4.7	
	107	#16	14	30	103		133	1862	29.2	
	108	#4.2	6	15	20	15	50	300		0.3
	109	#4.2	6	15	220	15	250	1500		1.6
								Total+10%	276.9	2.4
(P153-P153A)	110	#12.5	13		242		242	3146	30.9	
	111	#10	5		242		242	1210	7.6	
	112	#12.5	14		425		425	5950	58.4	
	113	#12.5	29		362		362	10498	103.0	
	114	#10	4	30	118		148	592	3.7	
	115	#4.2	3		87		87	261		0.3
	116	#10	4	30	118		148	592	3.7	
	117	#4.2	3		77		77	231		0.3
								Total+10%	228.0	0.7
(P165-P165B)	118	#12.5	13		242		242	3146	30.9	
	119	#10	5		242		242	1210	7.6	
	120	#12.5	14		425		425	5950	58.4	
	121	#12.5	29		362		362	10498	103.0	
	122	#12.5	2	30	129		159	318	3.1	
	123	#16	4	30	143		173	692	10.9	
	124	#4.2	3		87		87	261		0.3
	125	#12.5	2	30	129		159	318	3.1	
	126	#16	4	30	143		173	692	10.9	
	127	#4.2	3		87		87	261		0.3
								Total+10%	250.7	0.7
								#4.2	0.0	29.3
								#8:	5.0	0.0
								#10	596.9	0.0
								#12.5	1778.9	0.0
								#16	381.3	0.0
								#20	93.4	0.0
								Total	2854.6	29.3

OBSERVAÇÕES

. Medidas das cotas em cm (exceto onde indicado)

. **OBSERVAÇÕES**idas na obra

. Medidasdasformadas cotasdacta (exceteto onde indicado)

. Medidasparadistas parabogarantir recobrimento do aço

. Malharmação,dasarmaçõesdas das cotasestagem "caranguejos"

. Usar espaçadores para garantir recobrimento do aço

. Nas armaduras (negativas) do tipo "caranguejos"

. Todas as peças de concreto em contato com o solo devem serexecutadas sobre lastro de concreto magro c/ e=5cm

. Todas as peças de concreto em contato com o solo devem ser executadas sobre lastro de concreto magro c/ e=5cm

. Em caso de dúvidas, contactar o Calculista.

Classe de Agress.: C [illegible]		Agreg. Graudo: Brita 01	
CONCRETO(Fck): 25 MPa	AÇO: CA-50	SLUMP (mm): 100+-10	
Classe de Agresiv.: C II Fator A/C (max.): < 0.60	Ec(5600 Fck):	Agreg. Graudo: Brita 01	
	FORMAS: C. Res.	ADITIVO:	
CONCRETO(Fck): 25 MPa	AÇO: CA-50	SLUMP (mm): 100+-10	
Fator A/C (max.): < 0.60	FORMAS: C. Res.	ADITIVO:	

Nº	DATA	DESCRIÇÃO	VISTO

QUADRO DE REVISÕES

FASE: PROJETO EXECUTIVO DE ESTRUTURAL

PAVILHÃO DE SALAS DE AULA II
CAMPUS UNAI - JANAUBA
RODOVIA MG 2627, KM 0606, Nº 2000 - AZUD DA JACUBA - EMMANTINHAS

PROPRIETÁRIO: UNIVERSIDADE FEDERAL DOS VALES DO JEQUITINHONHA E MUCURI
CNPJ: 16.086.315/0001-57

UFVJM

TÍTULO: **ARMAÇÃO DE BLOCOS DE CORDOAM./SS.FUND.**

AUTOR/PROJETO ARQUITETÔNICO/RT:
ALESSANDRO DE OLIVEIRA ALVES
RT: ENGENHEIRO CIVIL/ARQUITETO ALVES — CREA: 137.372-D/MG
RUA DEL CID, 4 - LOTEAM. M. BONSUCESSO/PAMPULHA, BELO HORIZONTE/MG
FONE: (31) 3497-1287 / 3493-4259 / 99823-8604

VERSÃO:	DATA:	AUTOCAD:	FOLHA:
VERSÃO 1	20.08.2021		07 A

ARQUIVO: PAVILHÃO DE AULAS(FAZ-FTB-12.102 PAVTOS) - EST