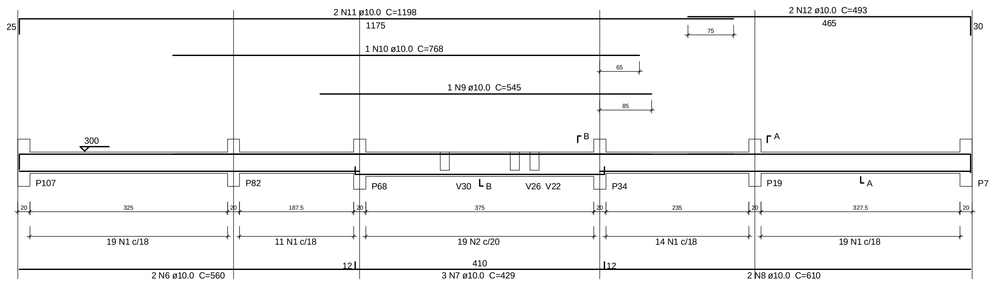
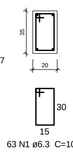
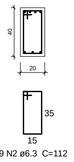
V145
1:50



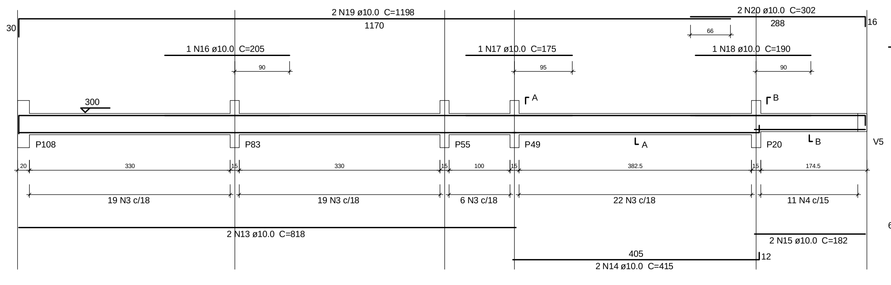
SEÇÃO A-A
ESC 1:25



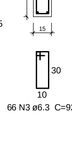
SEÇÃO B-B
ESC 1:25



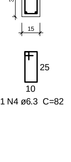
V147
1:50



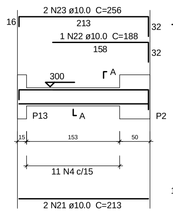
SEÇÃO A-A
ESC 1:25



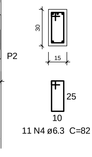
SEÇÃO B-B
ESC 1:25



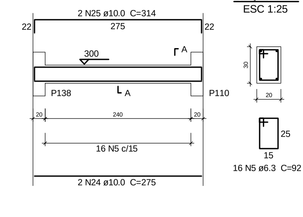
V149
1:50



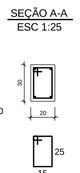
SEÇÃO A-A
ESC 1:25



V153
1:50



SEÇÃO A-A
ESC 1:25



Relação do aço

V145	V147	V149
V150	V151	V152
V153	V154	V155
V156	V157	V159
V160	V161	V162
V163	V164	V165
V166	V167	V168
V169	V170	V174
V175		

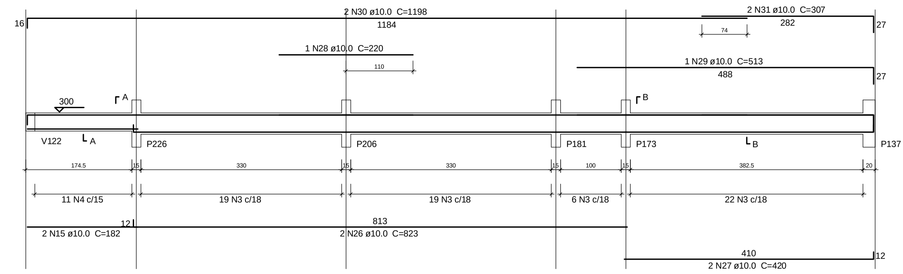
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	244	102	24888
	2	6.3	209	112	23408
	3	6.3	396	92	36432
	4	6.3	99	82	8118
	5	6.3	151	92	13892
	6	10.0	2	560	1120
	7	10.0	15	429	6435
	8	10.0	2	610	1220
	9	10.0	1	545	545
	10	10.0	1	768	768
	11	10.0	2	1198	2396
	12	10.0	2	493	986
	13	10.0	2	818	1636
	14	10.0	2	415	830
	15	10.0	12	182	2184
	16	10.0	3	205	615
	17	10.0	1	175	175
	18	10.0	1	190	190
	19	10.0	6	1198	7188
	20	10.0	2	302	604
	21	10.0	6	213	1278
	22	10.0	1	188	188
	23	10.0	2	256	512
	24	10.0	8	275	2200
	25	10.0	8	314	2512
	26	10.0	4	823	3292
	27	10.0	4	420	1680
	28	10.0	4	220	880
	29	10.0	4	513	2052
	30	10.0	6	1198	7188
	31	10.0	4	307	1228
	32	10.0	4	880	3520
	33	10.0	4	363	1452
	34	10.0	4	1198	4792
	35	10.0	4	306	1224
	36	10.0	12	410	4920
	37	10.0	6	474	2844
	38	10.0	6	903	5418
	39	10.0	8	268	2144
	40	10.0	4	185	740
	41	10.0	2	525	1050
	42	10.0	1	585	585
	43	10.0	4	482	1928
	44	10.0	2	715	1430
	45	10.0	2	172	344
	46	10.0	2	211	422
	47	10.0	2	476	952
	48	10.0	1	565	565
	49	10.0	2	175	350
	50	10.0	4	258	1032
	51	10.0	2	875	1750
	52	10.0	2	358	716
	53	10.0	1	568	568
	54	10.0	1	200	200
	55	10.0	2	302	604
	56	10.0	2	475	950
	57	10.0	2	477	954
	58	12.5	1	550	550
	59	12.5	4	1197	4788
	60	12.5	2	490	980
	61	12.5	1	545	545
	62	12.5	2	491	982

Resumo do aço

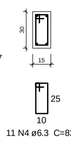
AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kgf)
CA50	6.3	1067.4	287.3
	10.0	913.6	619.6
	12.5	78.5	83.1
PESO TOTAL			
CA50	990		

Vol. de concreto total (C-25) = 12.95 m³
Área de forma total = 181.67 m²

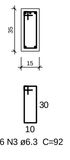
V150
1:50



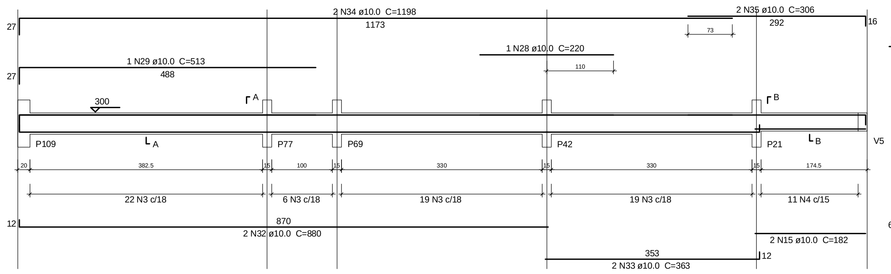
SEÇÃO A-A
ESC 1:25



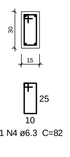
SEÇÃO B-B
ESC 1:25



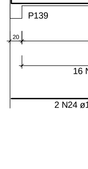
V151
1:50



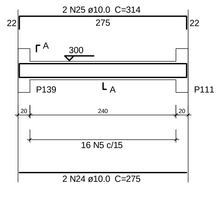
SEÇÃO A-A
ESC 1:25



SEÇÃO B-B
ESC 1:25

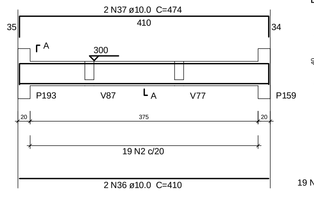


V155
1:50

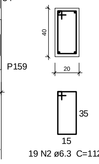


SEÇÃO A-A
ESC 1:25

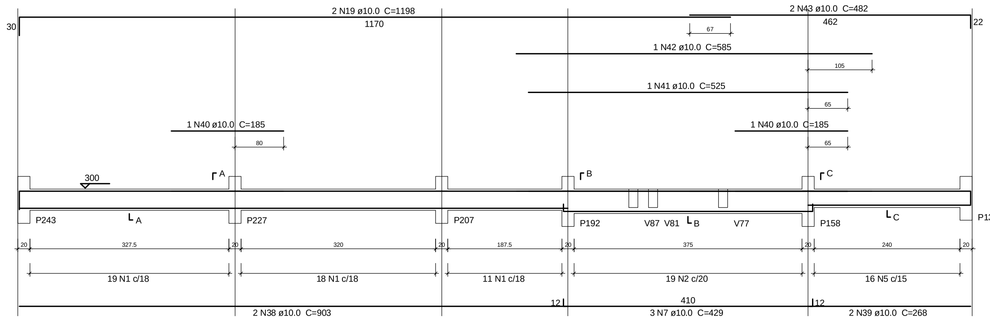
V156
1:50



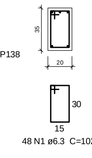
SEÇÃO A-A
ESC 1:25



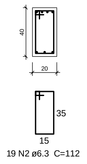
V152
1:50



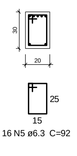
SEÇÃO A-A
ESC 1:25



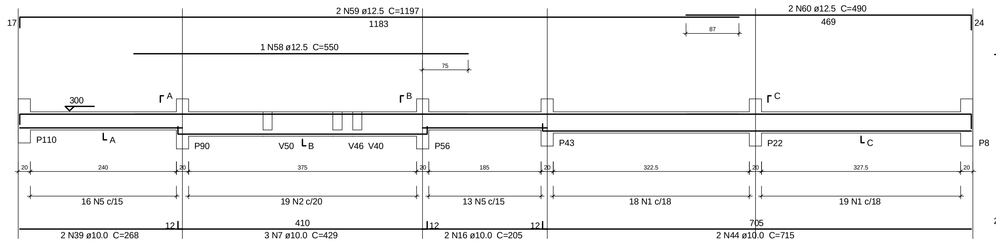
SEÇÃO B-B
ESC 1:25



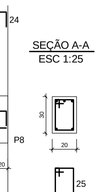
SEÇÃO C-C
ESC 1:25



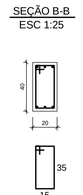
V154
1:50



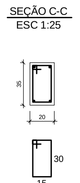
SEÇÃO A-A
ESC 1:25



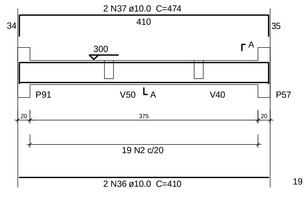
SEÇÃO B-B
ESC 1:25



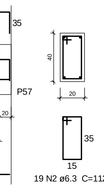
SEÇÃO C-C
ESC 1:25



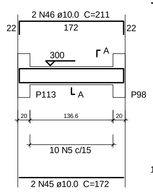
V157
1:50



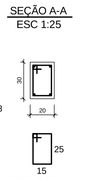
SEÇÃO A-A
ESC 1:25



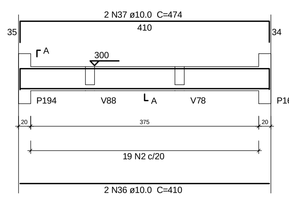
V159
1:50



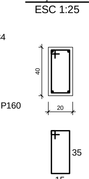
SEÇÃO A-A
ESC 1:25



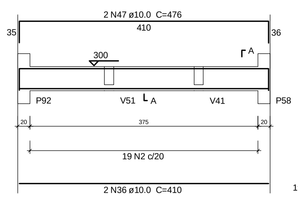
V160
1:50



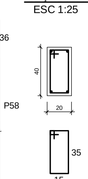
SEÇÃO A-A
ESC 1:25



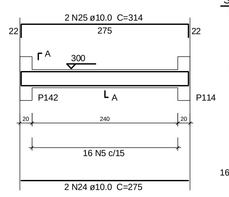
V161
1:50



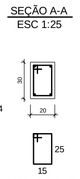
SEÇÃO A-A
ESC 1:25



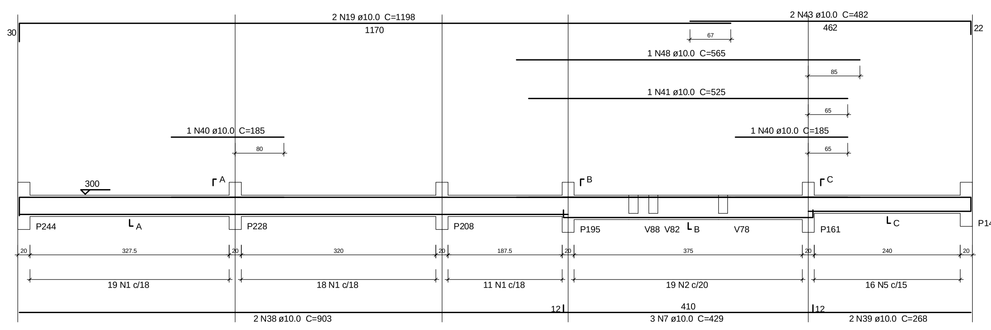
V162
1:50



SEÇÃO A-A
ESC 1:25



V163
1:50

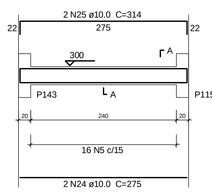


SEÇÃO A-A
ESC 1:25

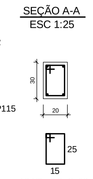
SEÇÃO B-B
ESC 1:25

SEÇÃO C-C
ESC 1:25

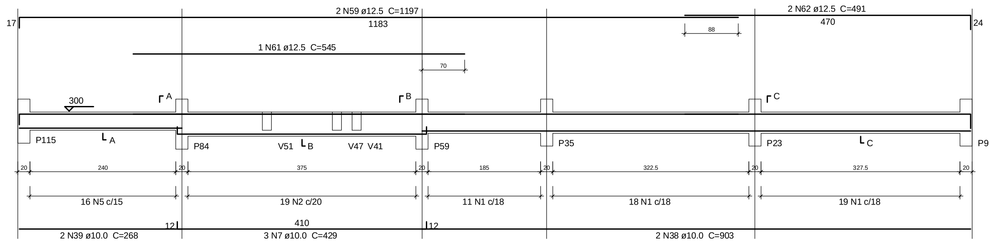
V164
1:50



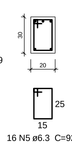
SEÇÃO A-A
ESC 1:25



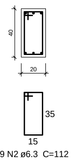
V165
1:50



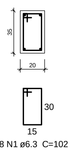
SEÇÃO A-A
ESC 1:25



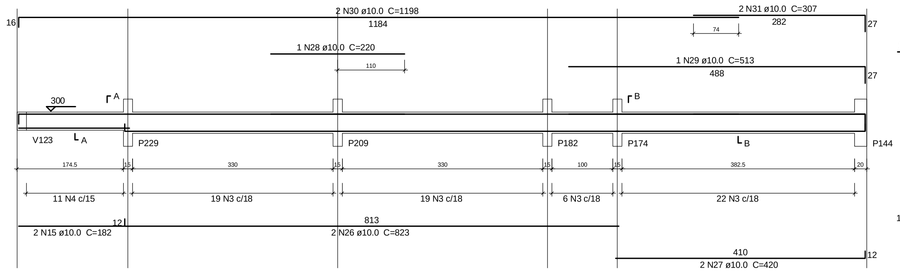
SEÇÃO B-B
ESC 1:25



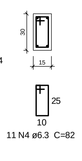
SEÇÃO C-C
ESC 1:25



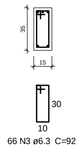
V166
1:50



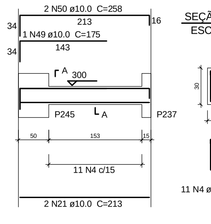
SEÇÃO A-A
ESC 1:25



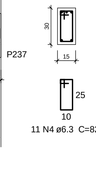
SEÇÃO B-B
ESC 1:25



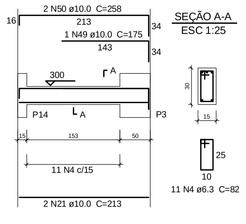
V168
1:50



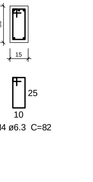
SEÇÃO A-A
ESC 1:25



V169
1:50



SEÇÃO A-A
ESC 1:25



V167
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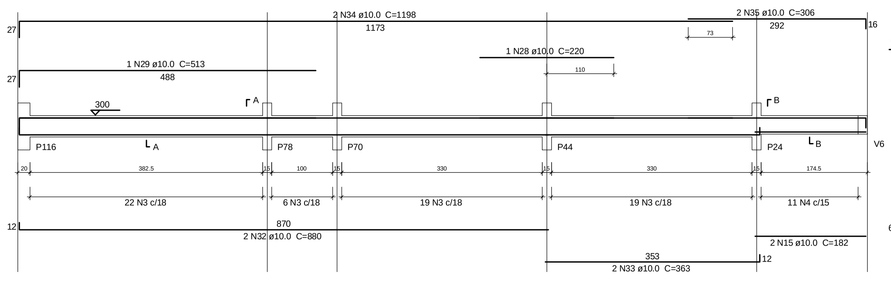
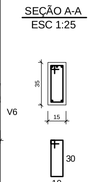
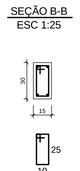


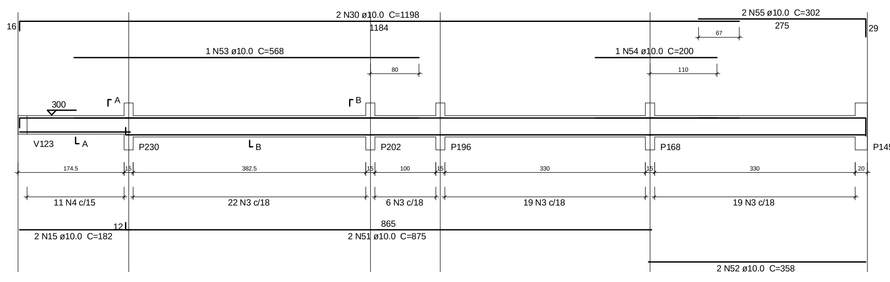
SEÇÃO A-A
ESC 1:25



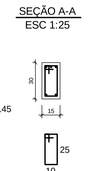
SEÇÃO B-B
ESC 1:25



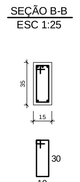
V170
1:50



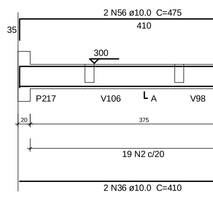
SEÇÃO A-A
ESC 1:25



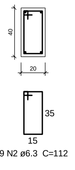
SEÇÃO B-B
ESC 1:25



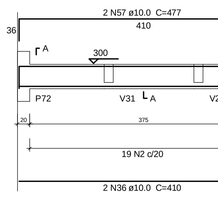
V174
1:50



SEÇÃO A-A
ESC 1:25



V175
1:50



SEÇÃO A-A
ESC 1:25

DETALHAMENTO DAS VIGAS DO 2º PAVIMENTO / PISO 2

ESCALA 1:50

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PROJETO ESTRUTURAL
MORADIA ESTUDANTIL-BLOCO 1-UFVJM- DIAMANTINA -MG

DETALHAMENTOS
2º PAVIMENTO / PISO 2
DETALHAMENTO DAS VIGAS

Escala: 1/50
DESENHO 01
Desenho:
Revisão: 0
Data: 14/01/2010
Unidade: cm
FOLHA 12/39

FORMATO A0 - INTERNO: 1049 x 821 mm.
EXTERNO: 1189 x 841 mm.

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