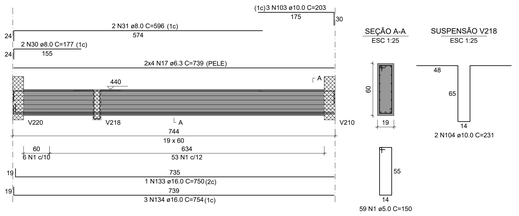
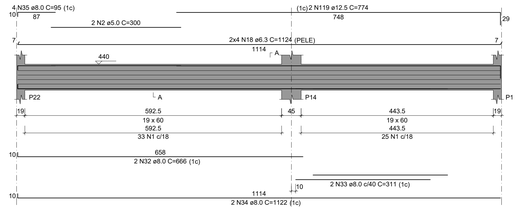
V223
ESC 1:50



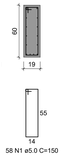
SEÇÃO A-A
ESC 1:25

SUSPENSÃO V218
ESC 1:25

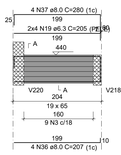
V224
ESC 1:50



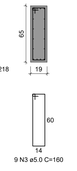
SEÇÃO A-A
ESC 1:25



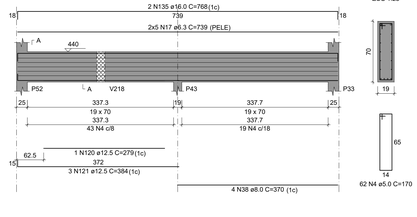
V225
ESC 1:50



SEÇÃO A-A
ESC 1:25

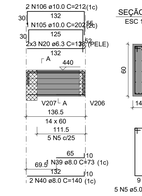


V226
ESC 1:50

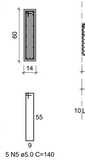


SEÇÃO A-A
ESC 1:25

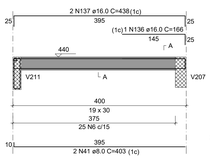
V227
ESC 1:50



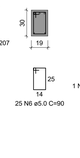
SEÇÃO A-A
ESC 1:25



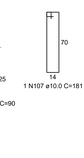
V228
ESC 1:50



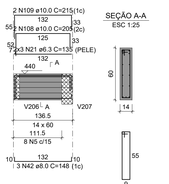
SEÇÃO A-A
ESC 1:25



SUSPENSÃO V211
ESC 1:25

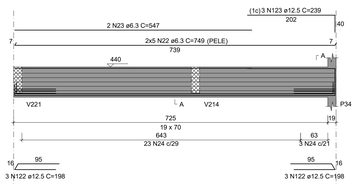


V229
ESC 1:50

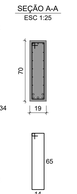


SEÇÃO A-A
ESC 1:25

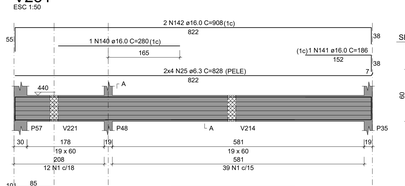
V230
ESC 1:50



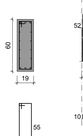
SEÇÃO A-A
ESC 1:25



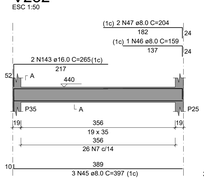
V231
ESC 1:50



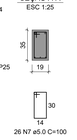
SEÇÃO A-A
ESC 1:25



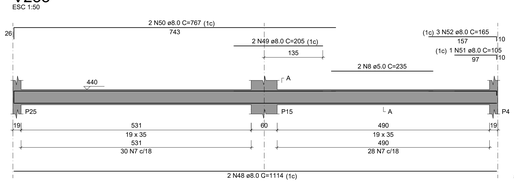
V232
ESC 1:50



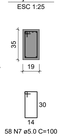
SEÇÃO A-A
ESC 1:25



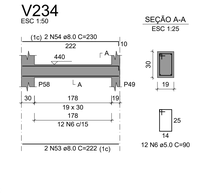
V233
ESC 1:50



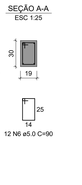
SEÇÃO A-A
ESC 1:25



V234
ESC 1:50



SEÇÃO A-A
ESC 1:25



V235
ESC 1:50

SEÇÃO A-A
ESC 1:25

V236
ESC 1:50

SEÇÃO A-A
ESC 1:25

V237
ESC 1:50

SEÇÃO A-A
ESC 1:25

V238
ESC 1:50

SEÇÃO A-A
ESC 1:25

V239
ESC 1:50

SEÇÃO A-A
ESC 1:25

V240
ESC 1:50

SEÇÃO A-A
ESC 1:25

V241
ESC 1:50

SEÇÃO A-A
ESC 1:25

V242
ESC 1:50

SEÇÃO A-A
ESC 1:25

V243
ESC 1:50

SEÇÃO A-A
ESC 1:25

V244
ESC 1:50

SEÇÃO A-A
ESC 1:25

V245
ESC 1:50

SEÇÃO A-A
ESC 1:25

V246
ESC 1:50

SEÇÃO A-A
ESC 1:25

V247
ESC 1:50

SEÇÃO A-A
ESC 1:25

V248
ESC 1:50

SEÇÃO A-A
ESC 1:25

V249
ESC 1:50

SEÇÃO A-A
ESC 1:25

V250
ESC 1:50

SEÇÃO A-A
ESC 1:25

VE1
ESC 1:50

SEÇÃO A-A
ESC 1:25

VE2
ESC 1:50

SEÇÃO A-A
ESC 1:25

VE3
ESC 1:50

SEÇÃO A-A
ESC 1:25

Relação do aço		
V223	V224	V225
V226	V227	V228
V229	V230	V231
V232	V233	V234
V235	V236	V237
V238	V239	V240
V241	V242	V243
V244	V245	V246
V247	V248	V249
V250	VE1	VE2
VE3		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	364	150	54600
	2	5.0	2	300	600
	3	5.0	9	160	1440
	4	5.0	62	170	10540
	5	5.0	13	140	1820
	6	5.0	134	90	12060
	7	5.0	117	100	11700
	8	5.0	2	235	470
	9	5.0	74	110	8140
	10	5.0	78	130	10140
	11	5.0	2	231	462
	12	5.0	2	230	460
	13	5.0	2	405	810
	14	5.0	65	120	7800
	15	5.0	18	80	1440
	16	5.0	42	70	2940
CA50	17	6.3	18	739	13302
	18	6.3	8	1124	8992
	19	6.3	8	205	1640
	20	6.3	6	138	828
	21	6.3	2	135	810
	22	6.3	10	749	7490
	23	6.3	2	547	1094
	24	6.3	26	170	4420
	25	6.3	8	828	6624
	26	6.3	16	790	12640
	27	6.3	16	787	12592
	28	6.3	8	822	6576
	29	6.3	2	86	172
	30	8.0	2	177	354
	31	8.0	2	596	1192
	32	8.0	2	666	1332
	33	8.0	2	311	622
	34	8.0	2	1122	2244
	35	8.0	4	95	380
	36	8.0	4	207	828
	37	8.0	4	280	1120
	38	8.0	4	370	1480
	39	8.0	1	73	73
	40	8.0	2	140	280
	41	8.0	2	403	806
	42	8.0	3	148	444
	43	8.0	2	93	186
	44	8.0	2	224	448
	45	8.0	3	397	1191
	46	8.0	1	159	159
	47	8.0	2	204	408
	48	8.0	2	1114	2228
	49	8.0	2	205	410
	50	8.0	2	767	1534
	51	8.0	2	105	210
	52	8.0	6	165	990
	53	8.0	2	222	444
	54	8.0	7	230	1610
	55	8.0	1	195	195
	56	8.0	8	347	2776
	57	8.0	1	131	131
	58	8.0	3	371	1113
	59	8.0	2	336	672
	60	8.0	4	135	540
	61	8.0	2	795	1590
	62	8.0	3	295	885
	63	8.0	14	787	11018
	64	8.0	1	133	133
	65	8.0	2	178	356
	66	8.0	1	185	185
	67	8.0	1	358	358
	68	8.0	4	68	272
	69	8.0	1	66	66
	70	8.0	1	145	145
	71	8.0	2	196	392
	72	8.0	5	471	2355
	73	8.0	1	300	300
	74	8.0	3	173	519
	75	8.0	1	233	233
	76	8.0	2	200	400
	77	8.0	2	353	706
	78	8.0	1	129	129
	79	8.0	3	369	1107
	80	8.0	1	296	296
	81	8.0	1	130	130
	82	8.0	2	180	360
	83	8.0	2	380	760
	84	8.0	2	420	840
	85	8.0	2	822	1644
	86	8.0	1	335	335
	87	8.0	1	315	315
	88	8.0	1	395	395
	89	8.0	2	163	326
	90	8.0	2	218	436
	91	8.0	2	166	166
	92	8.0	1	189	189
	93	8.0	1	322	644
	94	8.0	1	340	340
	95	8.0	2	739	1478
	96	8.0	4	391	1564
	97	8.0	1	85	85
	98	8.0	2	241	482
	99	8.0	2	289	578
	100	8.0	2	305	610
	101	8.0	4	208	832
	102	8.0	3	203	609
	103	10.0	2	231	462
	104	10.0	2	202	404
	105	10.0	2	212	424
	106	10.0	1	181	181
	107	10.0	2	205	410
	108	10.0	2	215	430
	109	10.0	2	225	225
	110	10.0	1	809	2427
	111	10.0	3	382	1528
	112	10.0	4	471	4239
	113	10.0	9	153	153
	114	10.0	1	125	125
	115	10.0	1	225	450
	116	10.0	2	188	376
	117	10.0	2	213	852
	118	10.0	4	774	1548
	119	12.5	2	279	279
	120	12.5	1	408	408
	121	12.5	3	384	1152
	122	12.5	6	198	1188
	123	12.5	3	239	717
	124	12.5	1	188	188
	125	12.5	2	471	942
	126	12.5	3	560	1680
	127	12.5	3	213	639
	128	12.5	1	300	300
	129	12.5	1	693	693
	130	12.5	2	889	1778
	131	12.5	1	305	305
	132	12.5	2	495	990
	133	16.0	1	750	750
	134	16.0	3	754	2262
	135	16.0	2	768	1536
	136	16.0	1	166	166
	137	16.0	2	438	876
	138	16.0	1	285	285
	139	16.0	2	629	1258
	140	16.0	1	280	280
	141	16.0	1	186	186
	142	16.0	2	908	1816
	143	16.0	2	265	530
	144	16.0	1	315	315
	145	16.0	1	770	770
	146	16.0	2	1174	2348
	147	20.0	2	770	1540
	148	20.0	3	779	2337

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	771.8	207.7
	8.0	611	265.2
	10.0	131	88.8
	12.5	124	131.4
	16.0	133.8	232.3
	20.0	38.8	105.2
CA60	5.0	1254.3	212.7

PESO TOTAL (kg)	
CA50	1030.6
CA60	212.7

Volume de concreto (C-30) = 16.26 m³
Área de forma = 205.04 m²

RPPS DO MUNICÍPIO DE LEME - LEMPREV
CNPJ: 11.639.339/0001-58
CLAUDIA NANCY MORZANI GONÇALVES DA SILVA
CPF: 077.900.048-08

RESPONSÁVEL TÉCNICO PELO PROJETO
ENGº CIVIL : LEONARDO RUOSO VENDRAMINI
CAU: 5069262068

ARMAÇÃO DAS VIGAS DO SUPERIOR PARTE 2

02 / 02

A&F ARQUITETURA
Fones: (19) 3306-6338 / (19) 99720-9409
Email: af.arquitetura@gmail.com
R. GOIÁS, 568 - sala 04
Marília - SP

OCUPAÇÃO: REPARTIÇÃO PUBLICA - RPPS DO MUNICIPIO DE LEME - LEMPREV

LOCAL: RUA XV DE NOVEMBRO , ESQ. RUA DR. A. SALLES DE OLIVEIRA - S/Nº - CENTRO - LEME /SP

PROPRIETÁRIO: RPPS DO MUNICÍPIO DE LEME - LEMPREV

RESPONSÁVEL PELO USO: RPPS DO MUNICÍPIO DE LEME - LEMPREV

ESCALA: 1/100

RESP. TÉCNICO: Engº Civil: Leonardo Ruoso Vendramini - CREA: 5069262068

ÁREA DO TERRENO: 2.076,59 M²

ÁREA CONSTRUÍDA: 1.653,27 M²

DESENHO: A&F ARQUITETURA