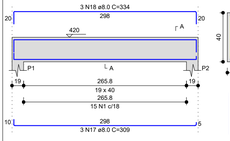

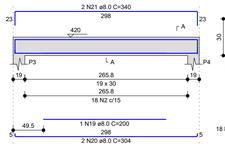

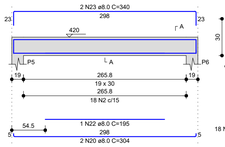

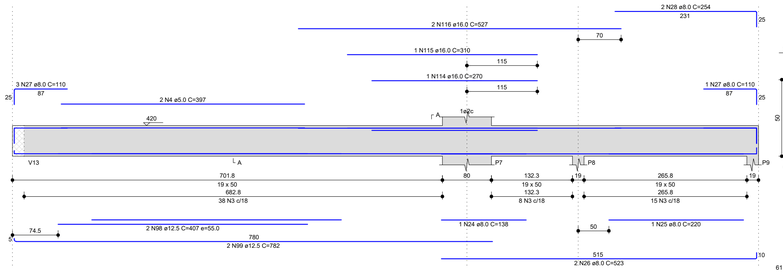

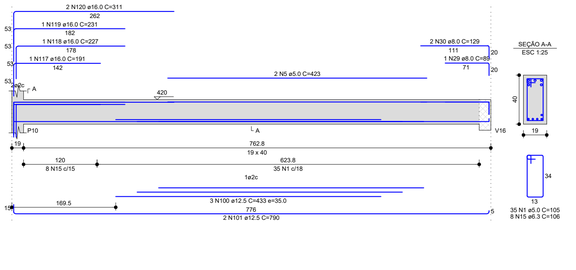

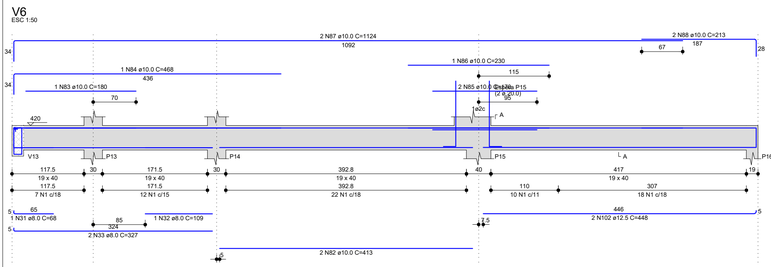

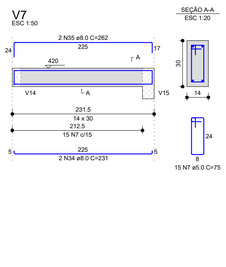

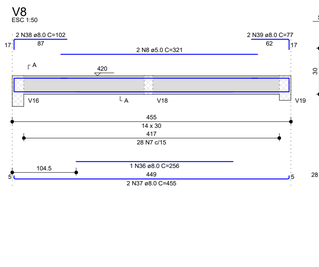

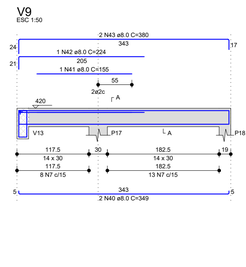

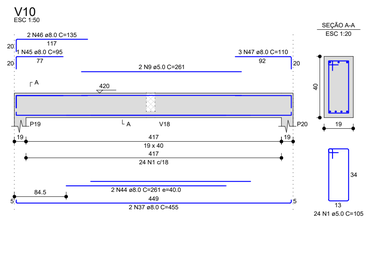

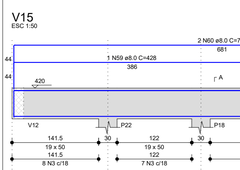

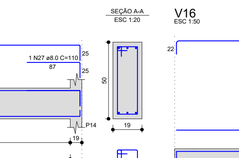

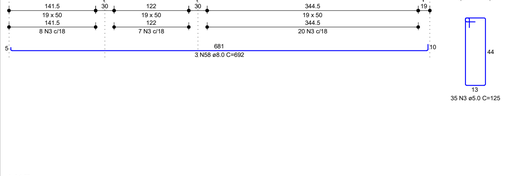

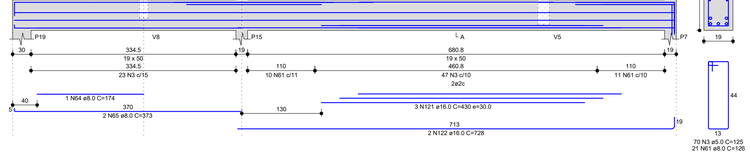

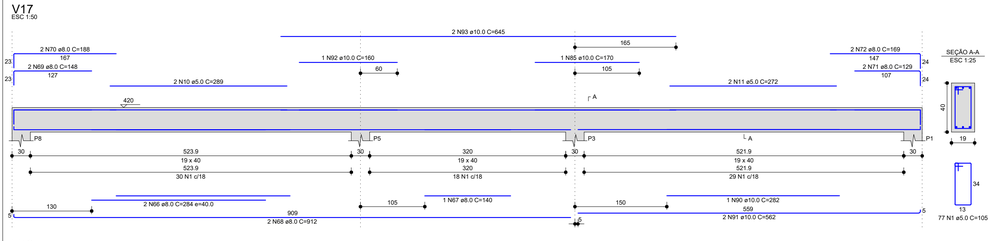

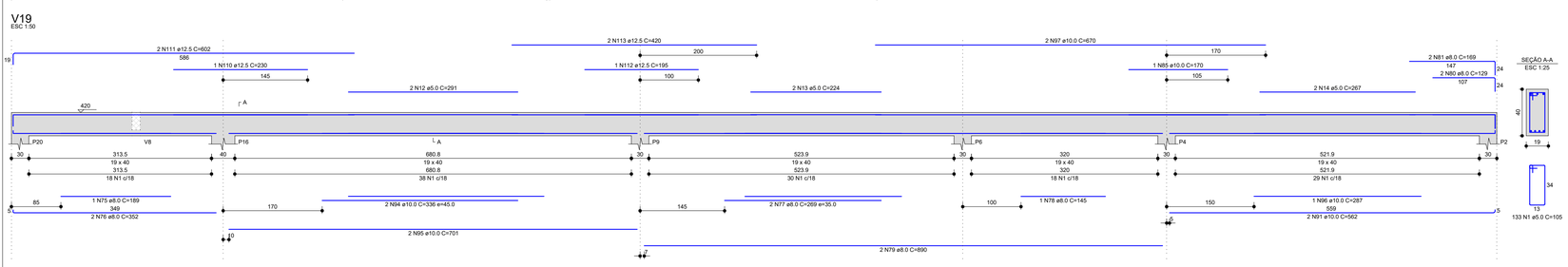

RELAÇÃO DO AÇO

V1 V2 V3
V4 V5 V6
V7 V8 V9
V10 V11 V12
V13 V14 V15
V16 V17 V18
V19

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	353	105	37065
	2	5.0	36	85	3060
	3	5.0	260	125	32500
	4	5.0	2	397	794
	5	5.0	2	423	846
	6	5.0	5	125	625
	7	5.0	112	53	5400
	8	5.0	2	321	642
	9	5.0	2	301	602
	10	5.0	2	289	578
	11	5.0	2	272	544
	12	5.0	2	291	582
	13	5.0	2	224	448
	14	5.0	2	267	534
CA50	15	6.3	8	106	848
	16	6.3	11	76	836
	17	8.0	3	309	927
	18	8.0	3	334	1002
	19	8.0	1	200	200
	20	8.0	4	304	1216
	21	8.0	2	340	680
	22	8.0	2	340	680
	23	8.0	2	340	680
	24	8.0	1	138	138
	25	8.0	1	220	220
	26	8.0	2	523	1046
	27	8.0	5	110	550
	28	8.0	2	254	508
	29	8.0	1	89	89
	30	8.0	2	129	258
	31	8.0	1	68	68
	32	8.0	1	109	109
	33	8.0	2	327	654
	34	8.0	2	231	462
	35	8.0	2	262	524
	36	8.0	4	256	1026
	37	8.0	1	200	200
	38	8.0	2	102	204
	39	8.0	2	77	154
	40	8.0	6	349	2094
	41	8.0	1	155	155
	42	8.0	1	224	224
	43	8.0	2	380	760
	44	8.0	2	261	522
	45	8.0	1	95	95
	46	8.0	1	135	270
	47	8.0	3	110	330
	48	8.0	1	220	220
	49	8.0	3	389	1167
	50	8.0	4	366	1464
	51	8.0	1	259	1036
	52	8.0	1	80	80
	53	8.0	1	173	173
	54	8.0	1	238	238
	55	8.0	2	1138	2276
	56	8.0	2	381	762
	57	8.0	2	413	826
	58	8.0	3	692	2076
	59	8.0	1	428	428
	60	8.0	2	746	1492
	61	8.0	2	1321	2642
	62	8.0	4	1085	4340
	63	8.0	1	449	449
	64	8.0	2	174	174
	65	8.0	2	373	746
	66	8.0	2	284	568
	67	8.0	1	140	140
	68	8.0	2	912	1824
	69	8.0	2	148	296
	70	8.0	2	188	376
	71	8.0	2	129	258
	72	8.0	2	169	338
	73	8.0	2	226	452
	74	8.0	2	252	504
	75	8.0	1	189	189
	76	8.0	2	352	704
	77	8.0	2	352	704
	78	8.0	1	145	145
	79	8.0	2	890	1780
	80	8.0	2	129	258
	81	8.0	2	169	338
	82	10.0	2	413	826
	83	10.0	1	180	180
	84	10.0	1	468	468
	85	10.0	4	170	680
	86	10.0	1	230	230
	87	10.0	2	1124	2248
	88	10.0	2	213	426
	89	10.0	2	187	374
	90	10.0	1	282	282
	91	10.0	4	562	2248
	92	10.0	1	160	160
	93	10.0	2	645	1290
	94	10.0	2	336	672
	95	10.0	2	701	1402
	96	10.0	1	287	287
	97	10.0	2	670	1340
	98	12.5	2	407	814
	99	12.5	2	782	1564
	100	12.5	3	433	1299
	101	12.5	2	790	1580
	102	12.5	2	448	896
	103	12.5	1	257	257
	104	12.5	1	374	374
	105	12.5	1	245	245
	106	12.5	1	285	285
	107	12.5	1	390	390
	108	12.5	2	1198	2396
	109	12.5	2	342	684
	110	12.5	1	230	230
	111	12.5	2	602	1204
	112	12.5	1	195	195
	113	12.5	2	420	840
	114	16.0	1	270	270
	115	16.0	1	310	310
	116	16.0	2	527	1054
	117	16.0	1	191	191
	118	16.0	1	221	221
	119	16.0	1	231	231
	120	16.0	2	311	622
	121	16.0	3	430	1290
	122	16.0	2	728	1456
	123	16.0	2	220	440
	124	16.0	1	260	260
	125	16.0	2	604	1208
	126	16.0	1	162	162
	127	16.0	1	203	203
	128	16.0	1	207	207
	129	16.0	2	267	534

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 1% (Barras)	PESO + 1% (kg)
CA50	6.3	16.8	2	4.2
	8.0	451.1	38	179.8
	10.0	131.1	12	81.7
	12.5	135.9	12	132.2
	16.0	86.7	8	138.1
CA60	5.0	871.4	-	135.7
PESO TOTAL (kg)				
CA50	535.9			
CA60	135.7			

Volume de concreto (C-30) = 9.90 m³
Área de forma = 109.45 m²

REV.	DESCRIÇÃO	DATA	ASS. CLIENTE
R02	REVISÃO R02	10/10/2022	

HOSPITAL DR. LAURO REUS

Rua Oswaldo Cruz, 116 - Campo Bom / RS

Assunto/Pavimento:
VIGA DO PAVIMENTO COBERTURA (NÍVEL 420)

Data: 10/10/2022

Proprietário:
HOSPITAL DR. LAURO REUS

Prancha:
EST - 12 - R02

Escala: INDICADO

Nome do arquivo: HLR_ATI_IMG_ENG_EST_VG_R02

MARCONI SOUTO ARQUITETURA
www.marconisouto.com

ENGENHEIRO CIVIL BRUNO DALMORO DE ANDRADE
CREA RS 241280

* Os direitos autorais dos projetos devem ser respeitados de forma integral. A violação desse direito configura penalidade de acordo com a RESOLUÇÃO CAU N°67 de 5/12/2013

A1 - 841 x 594