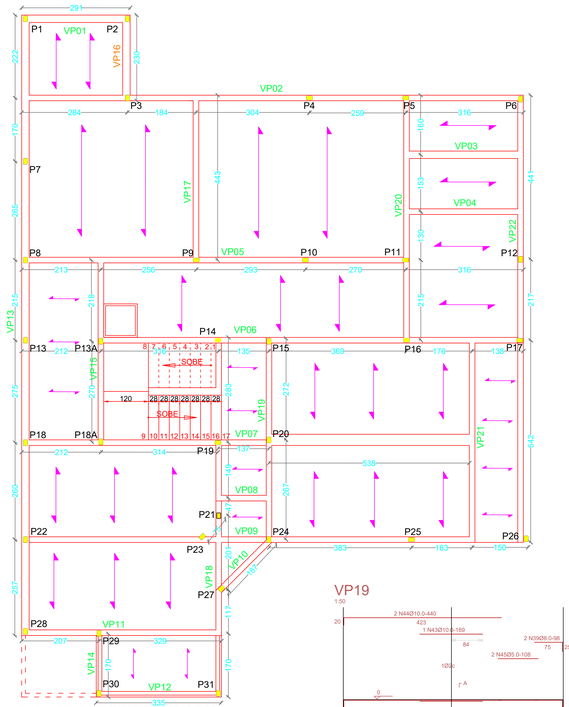
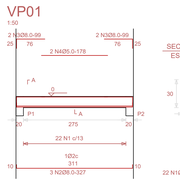


PLANTA BAIXA / PV SUPERIOR / VIGAS PISO

ESCALA 1 : 50

VP01



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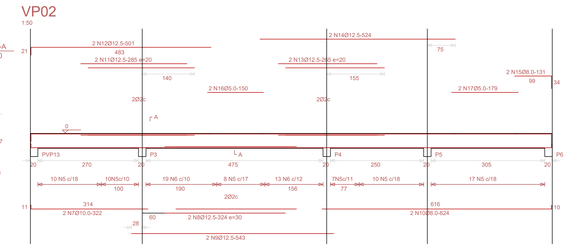

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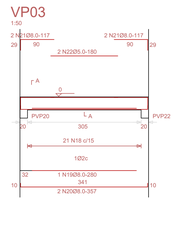

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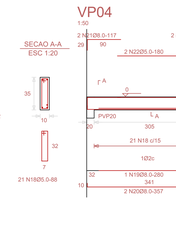

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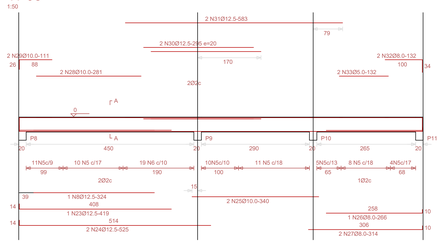

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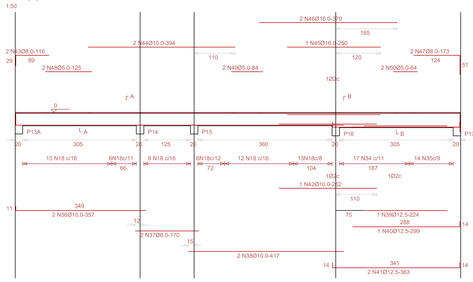

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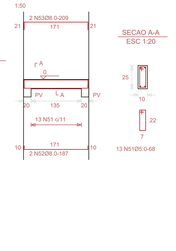

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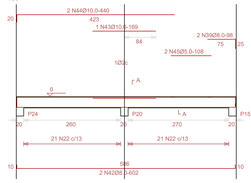

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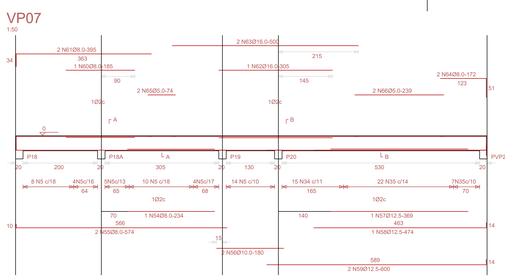

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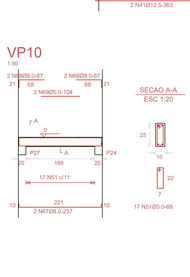

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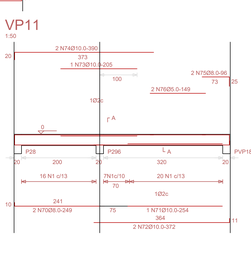

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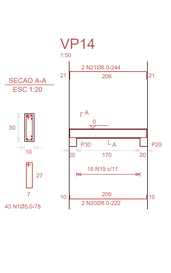

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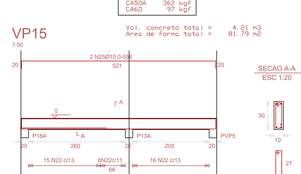

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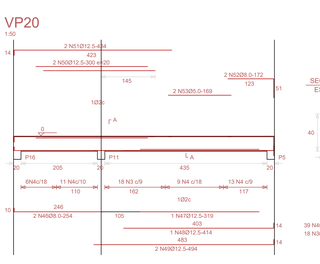

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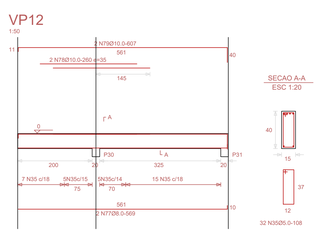

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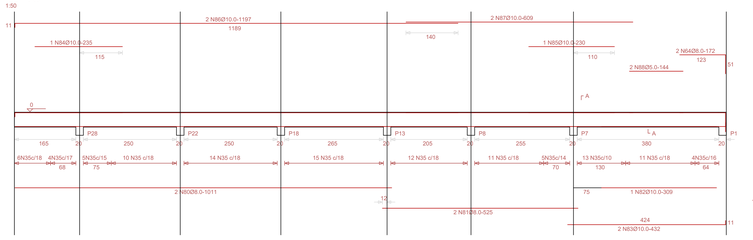

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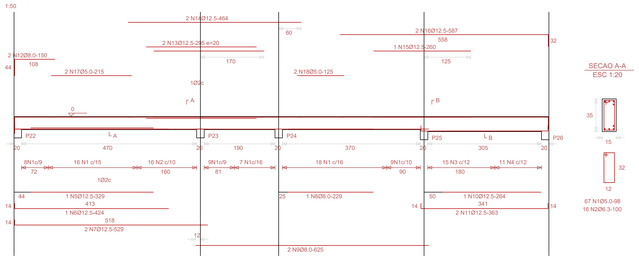

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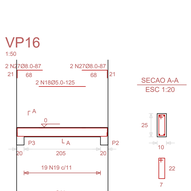

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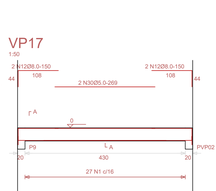

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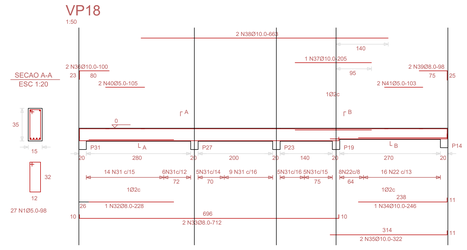

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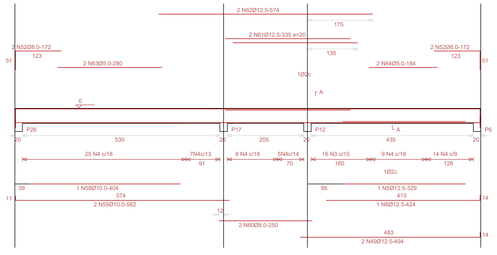

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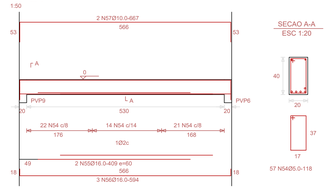

RELACAO DO ACO

VP09 VP16 VP19 VP22 | VP14 VP17 VP20 | VP15 VP18 VP21

ACO	N	DIAM.	Q.	UNIT (cm)	C. TOTAL (cm)
50A	5	6.3	16	100	1600
	6	6.3	49	110	5390
	8	8.0	1	209	209
	9	8.0	6	625	1250
	10	8.0	6	150	900
	11	8.0	6	222	444
	12	8.0	7	244	488
	13	8.0	2	265	530
	14	8.0	2	537	1074
	15	8.0	2	257	514
	16	8.0	4	87	348
	17	8.0	1	209	209
	18	8.0	2	712	1424
	19	8.0	4	98	392
	20	8.0	6	604	1804
	21	8.0	2	254	508
	22	8.0	2	250	500
	23	10.0	2	556	1112
	24	10.0	1	329	329
	25	10.0	3	483	1449
	26	10.0	1	246	246
	27	10.0	2	322	644
	28	10.0	2	209	418
	29	10.0	2	643	1286
	30	10.0	1	169	169
	31	10.0	2	440	880
	32	10.0	2	667	1334
	33	10.0	1	404	404
	34	10.0	2	582	1164
	35	10.0	1	329	658
	36	10.0	2	329	658
	37	10.0	2	529	1058
	38	10.0	1	264	264
	39	10.0	2	352	704
	40	10.0	1	295	590
	41	10.0	2	464	928
	42	10.0	1	260	260
	43	10.0	2	587	1174
	44	10.0	1	414	414
	45	10.0	2	988	1976
	46	10.0	2	494	988
	47	10.0	2	300	600
	48	10.0	2	434	868
	49	10.0	2	335	670
	50	10.0	2	574	1148
	51	10.0	2	409	818
	52	16.0	2	1215	2430
	60	5.0	94	98	9212
	1	5.0	118	108	12744
	2	5.0	1	115	230
	18	5.0	4	125	500
	32	5.0	1	68	2380
	50	5.0	103	78	8034
	51	5.0	2	269	538
	52	5.0	44	88	3872
	53	5.0	1	188	188
	54	5.0	5	503	2515
	55	5.0	2	108	216
	56	5.0	2	169	338
	57	5.0	57	118	6706
	58	5.0	2	280	560
	64	5.0	2	184	368

RESUMO DO ACO

ACO	DIAM.	C. TOTAL (m)	PESO+10% (kgf)
CA50A	6.3	69.7	19
CA50A	8.0	194.6	75
CA50A	10.0	94.6	65
CA50A	12.5	125.0	133
CA50A	16.0	84.0	45
CA60	5.0	463.3	80

PESO TOTAL

CA50A	311 kgf
CA60	80 kgf

Vol. concreto total = 3.43 m3
Area de forma total = 58.91 m2

RELACAO DO ACO

VP01 VP04 VP08 VP11 | VP02 VP05 VP07 VP12 | VP03 VP06 VP10 VP13

ACO	N	DIAM.	Q.	UNIT (cm)	C. TOTAL (cm)
50A	6	6.3	51	100	5100
	7	6.3	32	110	3520
	8	8.0	3	327	981
	9	8.0	1	99	396
	10	8.0	6	624	1248
	11	8.0	2	131	262
	12	8.0	7	280	560
	13	8.0	2	468	936
	25	8.0	2	266	266
	26	8.0	2	314	628
	27	8.0	2	132	264
	28	8.0	2	170	340
	29	8.0	2	116	232
	30	8.0	2	173	346
	31	8.0	2	187	374
	32	8.0	2	234	468
	33	8.0	2	234	468
	34	8.0	2	574	1148
	35	8.0	2	185	185
	36	8.0	2	395	790
	37	8.0	2	344	688
	38	8.0	2	237	474
	39	8.0	2	98	196
	40	8.0	2	249	498
	41	8.0	2	96	192
	42	8.0	1	569	1139
	43	8.0	1	1011	2022
	44	8.0	1	525	1050
	45	8.0	1	322	644
	46	8.0	1	582	1164
	47	8.0	1	329	658
	48	8.0	2	329	658
	49	8.0	2	529	1058
	50	8.0	2	264	528
	51	8.0	2	417	834
	52	8.0	2	263	526
	53	8.0	2	295	590
	54	8.0	2	464	928
	55	8.0	2	260	260
	56	8.0	2	587	1174
	57	8.0	1	414	414
	58	8.0	2	988	1976
	59	8.0	2	494	988
	60	8.0	2	300	600
	61	8.0	2	434	868
	62	8.0	2	335	670
	63	8.0	2	574	1148
	64	8.0	2	409	818
	65	8.0	2	1215	2430
	66	8.0	94	98	9212
	67	8.0	118	108	12744
	68	8.0	2	115	230
	69	8.0	4	125	500
	70	8.0	68	238	16184
	71	8.0	103	78	8034
	72	8.0	2	269	538
	73	8.0	44	88	3872
	74	8.0	1	188	188
	75	8.0	5	503	2515
	76	8.0	2	108	216
	77	8.0	2	169	338
	78	8.0	57	118	6706
	79	8.0	2	280	560
	80	8.0	2	184	368

RESUMO DO ACO

ACO	DIAM.	C. TOTAL (m)	PESO+10% (kgf)
CA50A	6.3	86.2	83
CA50A	8.0	174.3	76
CA50A	10.0	114.1	97
CA50A	12.5	117.2	127
CA50A	16.0	62.9	40
CA60	5.0	562.9	97

PESO TOTAL

CA50A	362 kgf
CA60	97 kgf

Vol. concreto total = 4.21 m3
Area de forma total = 81.79 m2

Aprovação:

PROJETO **ESTRUTURAL**

CONSTRUÇÃO E REFORMA HOSPITALAR

TANNOUS Engenharia Civil
Projetos E Construções
+ 5281 1143 | 8851 0100
R. 20 1165 - Centro - Rio Claro/MG
josephtag@live.com.br
Joseph Tannous
Eng. Civil CREA 36964-D

Áreas em m²:

VIDE PROJETO ARQUITETONICO

DADOS DA OBRA

ENDEREÇO: AVENIDA 3, ESQUINA COM RUA 20 Nº 537

BAIRRO: MEDALHA MILAGROSA CIDADE: CAMPINA VERDE-MG CEP: 38270-000

Assinaturas:

PROP: PREFEITURA MUNICIPAL DE CAMPINA VERDE
CNPJ: 18.457.294/0001-07
PREFEITO MUNICIPAL
DR.HELDER PAULO CARNEIRO
CPF: 002.255.366-50

PROJETO E RT: JOSEPH TANNOUS
ENGº CIVIL - CREA/MG 36.964/D

ESCALA:	FOLHA:	CONTEUDO:	DESENHO:
INDICADA	02/04	PLANTA BAIXA VIGAS PISO, DET. DE VIGA DE PISO.	
DATA: ITUIUTABA 25 DE AGOSTO DE 2023			VENCESLAU