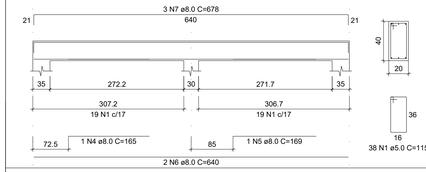
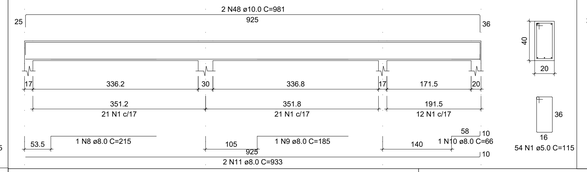
V2



V4



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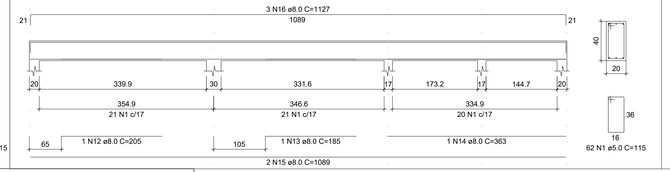

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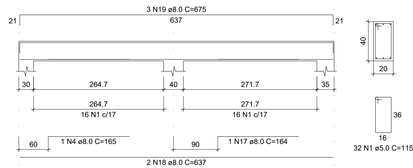

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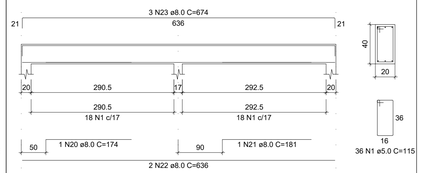

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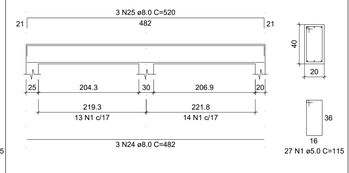

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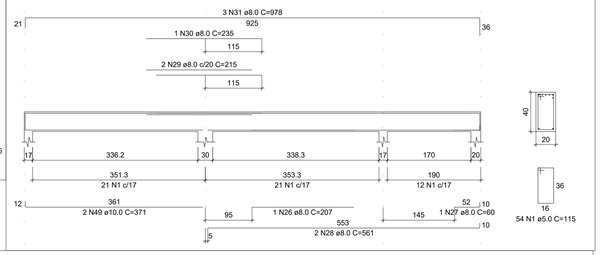

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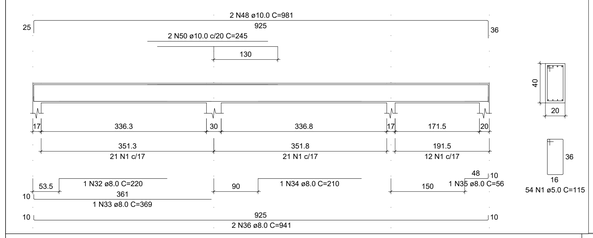

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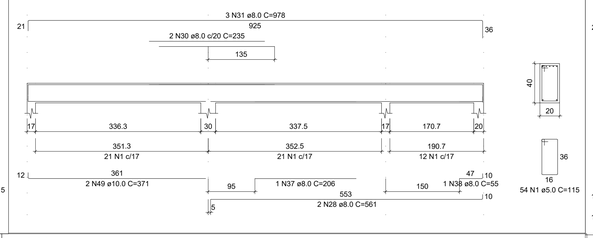

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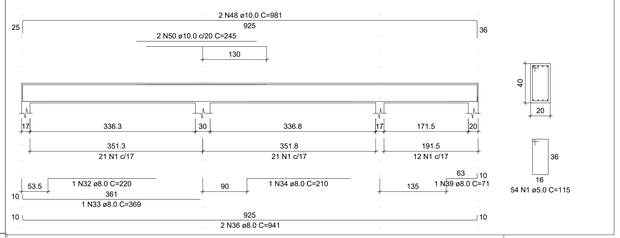

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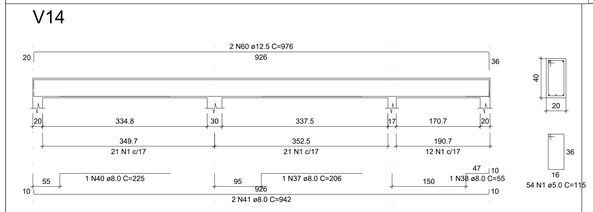

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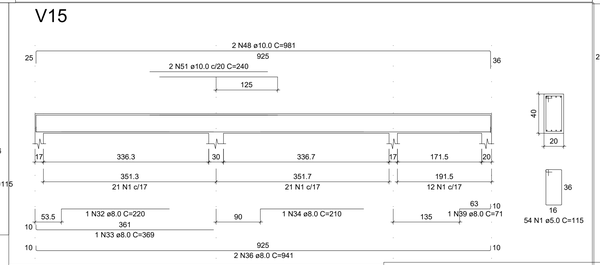

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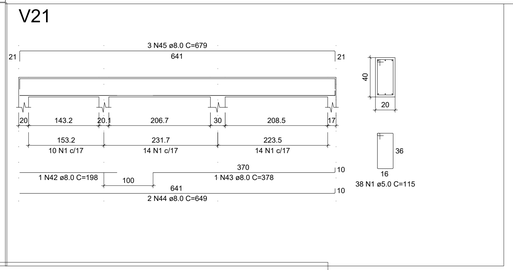

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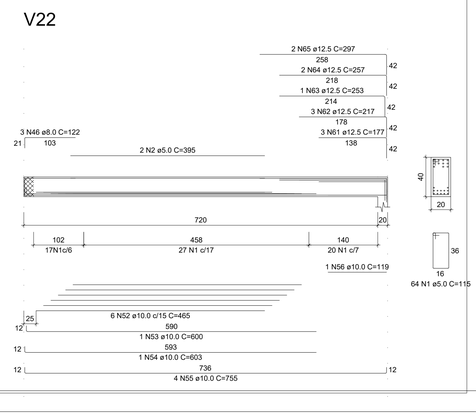

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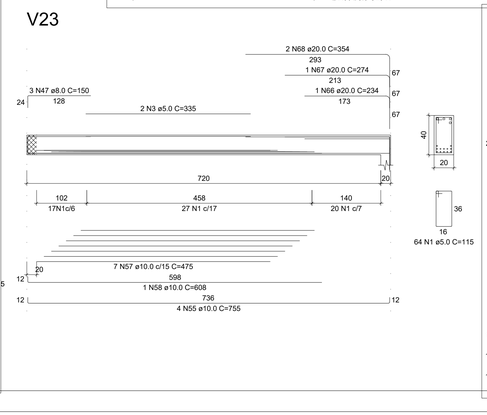

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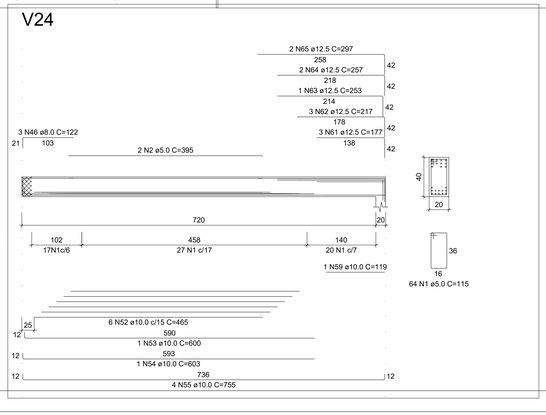

RELAÇÃO DO AÇO

V2	V4	V6
V7	V8	V9
V10	V11	V12
V13	V14	V15
V21	V22	V23
V24		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	803	115	92345
	2	5.0	4	395	1580
	3	5.0	2	335	670
CA50	4	8.0	2	165	330
	5	8.0	1	169	169
	6	8.0	2	640	1280
	7	8.0	3	678	2034
	8	8.0	1	215	215
	9	8.0	1	185	185
	10	8.0	1	66	66
	11	8.0	2	933	1866
	12	8.0	1	205	205
	13	8.0	1	185	185
	14	8.0	1	363	363
	15	8.0	2	1089	2178
	16	8.0	3	1127	3381
	17	8.0	1	164	164
	18	8.0	2	637	1274
	19	8.0	3	675	2025
	20	8.0	1	174	174
	21	8.0	1	181	181
	22	8.0	2	636	1272
	23	8.0	3	674	2022
	24	8.0	3	482	1446
	25	8.0	3	520	1560
	26	8.0	1	207	207
	27	8.0	1	60	60
	28	8.0	4	561	2244
	29	8.0	2	215	430
	30	8.0	3	235	705
	31	8.0	6	978	5868
	32	8.0	3	220	660
	33	8.0	3	369	1107
	34	8.0	3	210	630
	35	8.0	1	56	56
	36	8.0	6	941	5646
	37	8.0	2	206	412
	38	8.0	2	55	110
	39	8.0	2	71	142
	40	8.0	1	225	225
	41	8.0	2	942	1884
	42	8.0	1	198	198
	43	8.0	1	378	378
	44	8.0	2	649	1298
	45	8.0	3	679	2037
	46	8.0	6	122	732
	47	8.0	3	150	450
	48	10.0	8	981	7848
	49	10.0	4	371	1484
	50	10.0	4	245	980
	51	10.0	2	240	480
	52	10.0	12	465	5580
	53	10.0	2	600	1200
	54	10.0	2	603	1206
	55	10.0	12	755	9060
	56	10.0	1	119	119
	57	10.0	7	475	3325
	58	10.0	1	608	608
	59	10.0	1	119	119
	60	12.5	2	976	1952
	61	12.5	6	177	1062
	62	12.5	6	217	1302
	63	12.5	2	253	506
	64	12.5	4	257	1028
	65	12.5	4	297	1188
	66	20.0	1	234	234
	67	20.0	1	274	274
	68	20.0	2	354	708

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	480.5	208.6
	10.0	320.1	217.1
	12.5	70.4	74.6
	20.0	12.2	33
CA60	5.0	946	160.4

PESO TOTAL (kg)	
CA50	533.2
CA60	160.4

Volume de concreto (C-30) = 9.67 m³
Área de forma = 128.71 m²

ANDRÉ MADEIRA ENGENHARIA

(51) 98555-4410

CENTRO - GRAVATAÍ - RS
WWW.ANDREMADEIRA.COM.BR
ANDRELUISMADEIRA@GMAIL.COM

PROJETO AMPLIAÇAO EMEF EDMUNDO EST.
RUA TRES COROAS
CAMPO BOM - RS

PROPRIETÁRIO: PREFEITURA DE CAMPO BOM - SEC EDUCAÇAO

RESPONSÁVEL TÉCNICO: ANDRÉ LUIS MADEIRA - CREA 179363

ESTRUTUTURAL VIGAS COBERTURA 2 DE 3

PRANCHA: E-9

ÁREA: -m²

DATA: OUT/2021

ESCALA: INDICADA