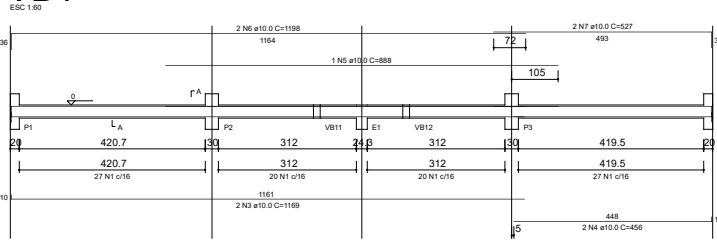
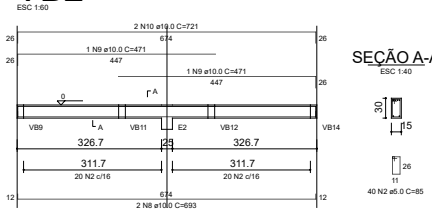


# VB1



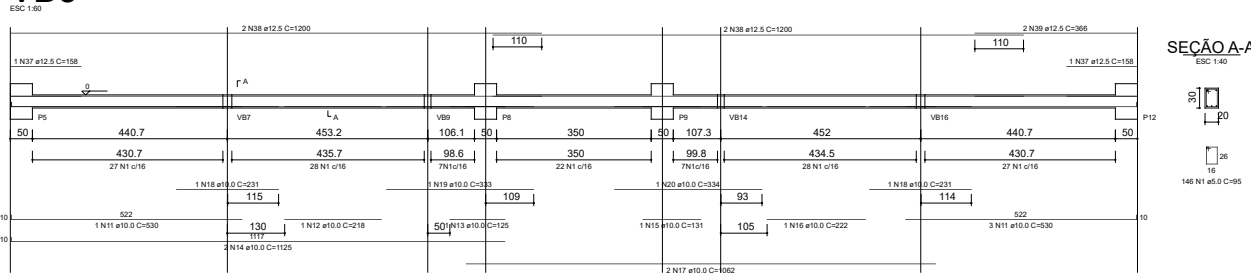
# VB2



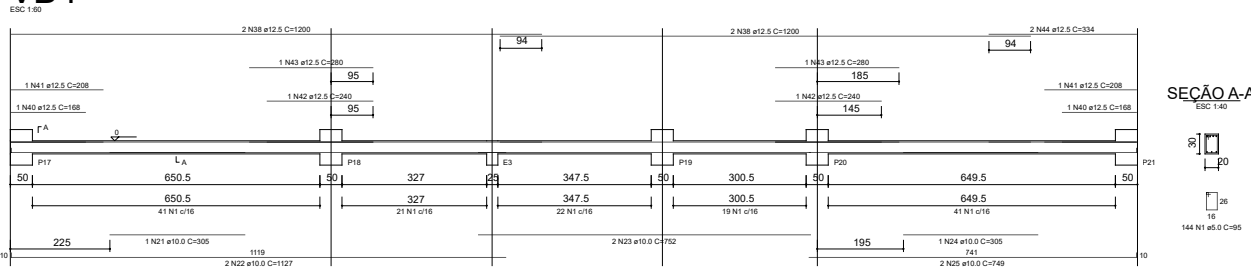
RELAÇÃO DO AÇO

VB1	VB2	VB3	VB4	VB5	VB6
AÇO	N	DIAM (mm)	QUANT	C.LINHT (cm)	C.TOTAL (cm)
CAO	1	5.0	622	85	4950
CAO	2	5.0	40	85	340
CAO	3	10.0	2	1169	2318
CAO	4	10.0	2	456	912
CAO	5	10.0	1	888	888
CAO	6	10.0	2	1198	2396
CAO	7	10.0	2	527	1054
CAO	8	10.0	2	693	1386
CAO	9	10.0	2	471	942
CAO	10	10.0	2	721	1442
CAO	11	10.0	4	530	2120
CAO	12	10.0	1	218	218
CAO	13	10.0	1	125	125
CAO	14	10.0	2	1125	2250
CAO	15	10.0	1	131	131
CAO	16	10.0	2	221	442
CAO	17	10.0	2	1062	2124
CAO	18	10.0	2	331	662
CAO	19	10.0	1	333	333
CAO	20	10.0	1	334	334
CAO	21	10.0	1	305	305
CAO	22	10.0	2	1127	2254
CAO	23	10.0	2	752	1504
CAO	24	10.0	1	305	305
CAO	25	10.0	2	749	1498
CAO	26	10.0	2	1165	2330
CAO	27	10.0	2	125	250
CAO	28	10.0	1	199	199
CAO	29	10.0	2	1165	2330
CAO	30	10.0	2	1054	2108
CAO	31	10.0	2	200	400
CAO	32	10.0	2	196	392
CAO	33	10.0	2	271	542
CAO	34	10.0	2	189	378
CAO	35	10.0	2	1116	2232
CAO	36	10.0	2	246	492
CAO	37	12.5	2	158	316
CAO	38	12.5	8	1200	9600
CAO	39	12.5	2	366	732
CAO	40	12.5	2	168	336
CAO	41	12.5	2	208	416
CAO	42	12.5	2	240	480
CAO	43	12.5	2	280	560
CAO	44	12.5	2	334	668

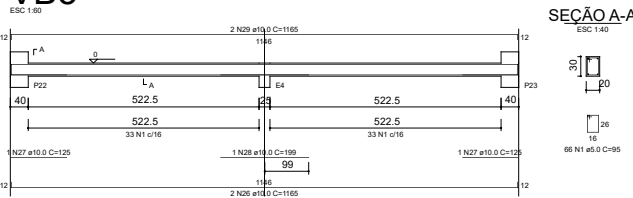
# VB3



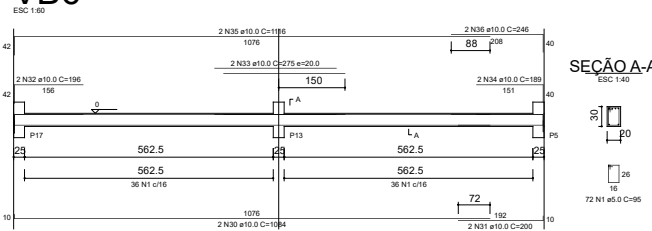
# VB4



# VB5



# VB6



RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (cm)	PESO + 10% (kg)
CAO	10.0	372.6	252.7
CAO	5.0	529.9	89.8
PESO TOTAL (kg)			
CAO		391.6	
CAO		89.8	

Volume de concreto (C=20) = 5.73 m<sup>3</sup>  
Área de forma = 77.40 m<sup>2</sup>

## Notas e Revisões

N°	Descrição	Data

Cliente / Proprietário:  
Douglas Fontana  
Município de Espumoso - RS

Responsável pelo projeto:  
Engenheiro Civil Gerson  
CREA / RS 05411

Projeto Tipo:  
**ESTRUTURAL**

Descrição:  
CASA VELATÓRIA - 2ª Etapa  
Vigas de Baldrame

Folha:  
**2**

Desenho: Gerson  
Escala: 1/50  
Data: Abril / 2021