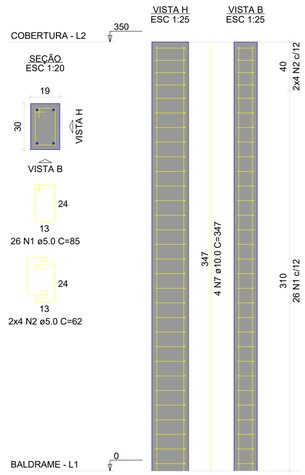
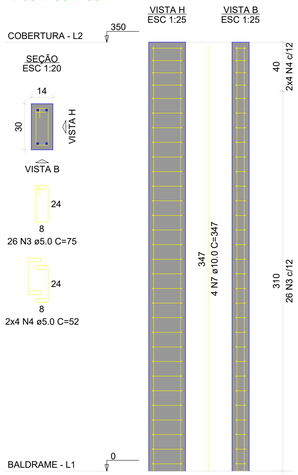
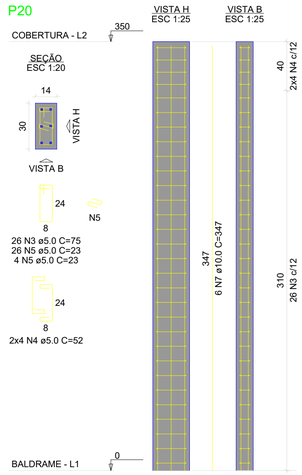
P1=P2=P4=P5=P6=P8=P13=
=P31=P33=P34=P35=P37=
=P38



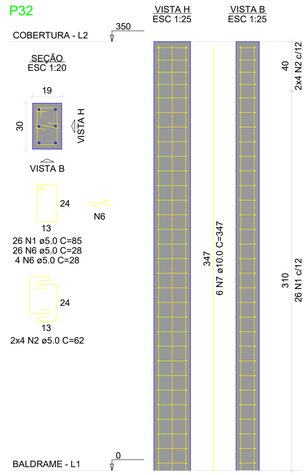
P3=P7=P9=P10=P11=P12=
=P14=P15=P16=P17=P18=
=P19=P21=P22=P23=P24=
=P25=P26=P27=P28=P29=
=P30=P36=P39



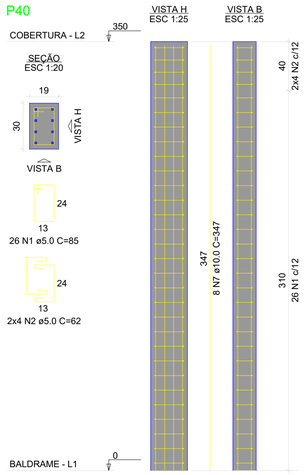
P20



P32



P40



RELAÇÃO DO AÇO

13xP1
P32
24xP3
P40
P20

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	390	85	33150
	2	5.0	120	62	7440
	3	5.0	650	75	48750
	4	5.0	200	52	10400
	5	5.0	30	23	690
	6	5.0	30	28	840
CA50	7	10.0	168	347	58296

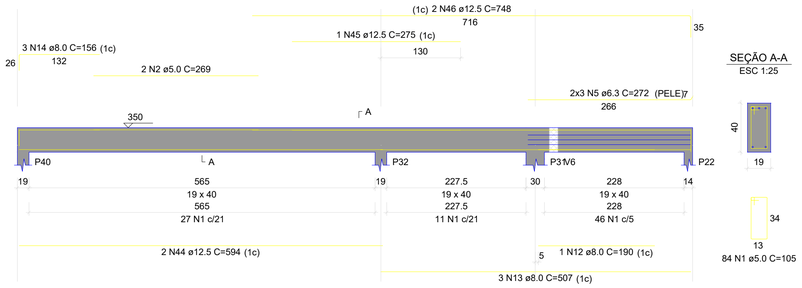
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	583	395.4
CA60	5.0	1012.7	171.7

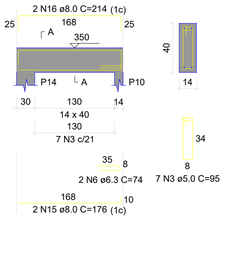
PESO TOTAL (kg)	
CA50	395.4
CA60	171.7

Volume de concreto (C-25) = 6.67 m³
Área de forma = 128.45 m²

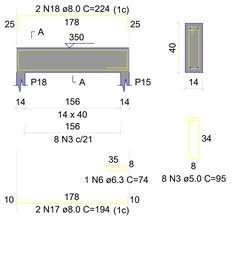
V13
ESC 1:50



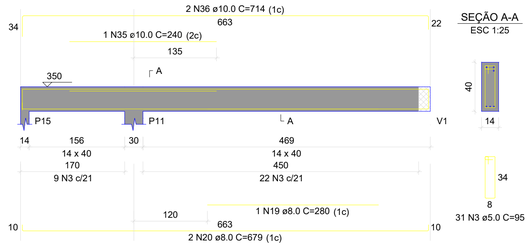
V14
ESC 1:50



V15
ESC 1:50



V16
ESC 1:50



RELAÇÃO DO AÇO

V13
V16
V19
V22
V14
V17
V20
V15
V18
V21

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	416	105	43680
	2	5.0	2	269	538
	3	5.0	139	95	13205
	4	5.0	2	240	480
CA50	5	6.3	6	272	1632
	6	6.3	3	74	222
	7	6.3	6	392	2352
	8	6.3	1	89	89
	9	6.3	4	316	1264
	10	6.3	6	1196	7176
	11	6.3	6	787	4722
	12	8.0	1	190	190
	13	8.0	3	507	1521
	14	8.0	3	156	468
	15	8.0	2	176	352
	16	8.0	2	214	428
	17	8.0	2	194	388
	18	8.0	2	224	448
	19	8.0	1	280	280
	20	8.0	2	679	1358
	21	8.0	2	301	602
	22	8.0	2	339	678
	23	8.0	2	833	1666
	24	8.0	1	666	666
	25	8.0	2	878	1756
	26	8.0	2	513	1026
	27	8.0	4	127	508
	28	8.0	1	190	190
	29	8.0	1	349	349
	30	8.0	2	201	402
	31	8.0	1	225	225
	32	8.0	2	1108	2216
	33	8.0	1	170	170
	34	8.0	2	260	520
	35	10.0	1	240	240
	36	10.0	2	714	1428
	37	10.0	2	401	802
	38	10.0	1	137	137
	39	10.0	2	445	890
	40	10.0	2	566	1132
	41	10.0	2	447	894
	42	10.0	2	273	546
	43	10.0	2	279	558
	44	12.5	2	594	1188
	45	12.5	1	275	275
	46	12.5	2	748	1496
	47	12.5	2	1197	2394
	48	12.5	2	880	1760

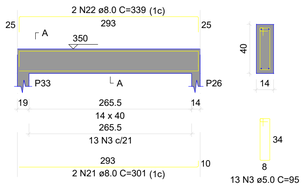
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	174.6	47
	8.0	164.1	71.2
	10.0	66.3	44.9
	12.5	71.1	75.4
CA60	5.0	579	98.2

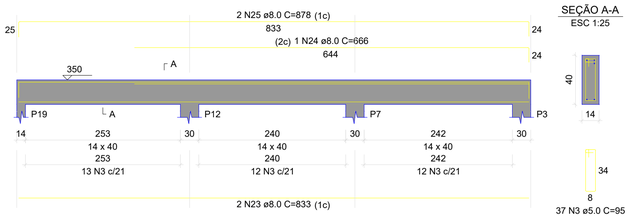
PESO TOTAL (kg)	
CA50	238.5
CA60	98.2

Volume de concreto (C-25) = 4.03 m³
Área de forma = 38.26 m²

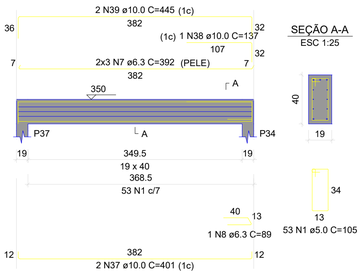
V17
ESC 1:50



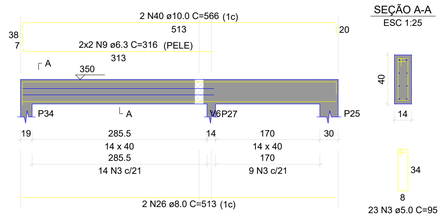
V18
ESC 1:50



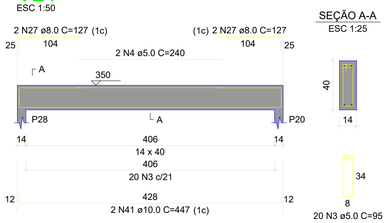
V19
ESC 1:50



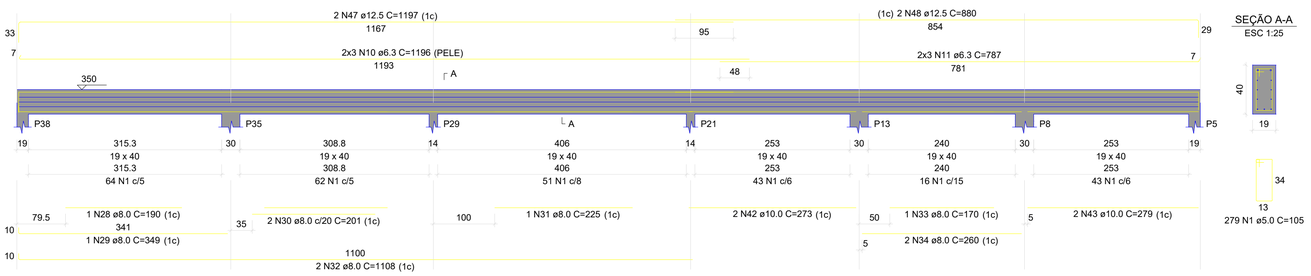
V20
ESC 1:50



V21
ESC 1:50



V22
ESC 1:50



ERIC DOUGLAS TEODORO DE SOUZA
ENGENHEIRO CIVIL
CREA 5070839806

CONSTRUÇÃO - COZINHA PILOTO DE RIBEIRÃO CORRENTE

ESTRUTURAL - VIGAS DE COBERTURA 2 E PILARES