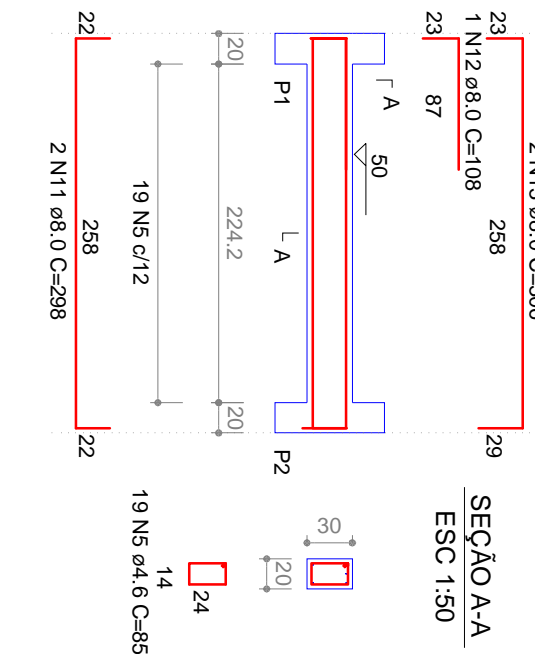
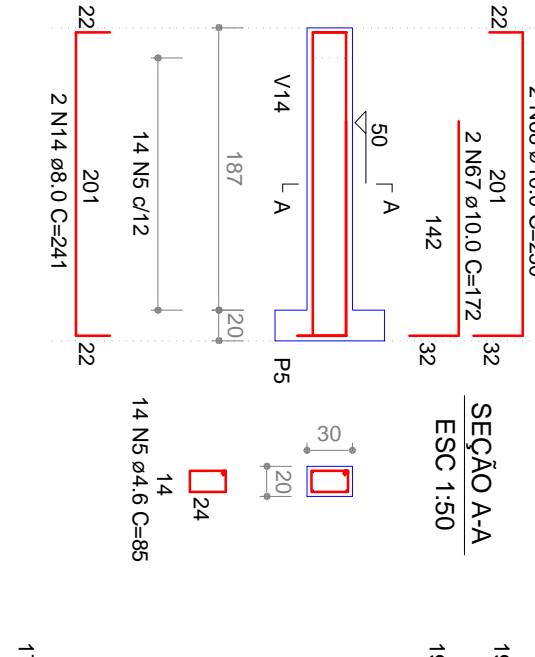


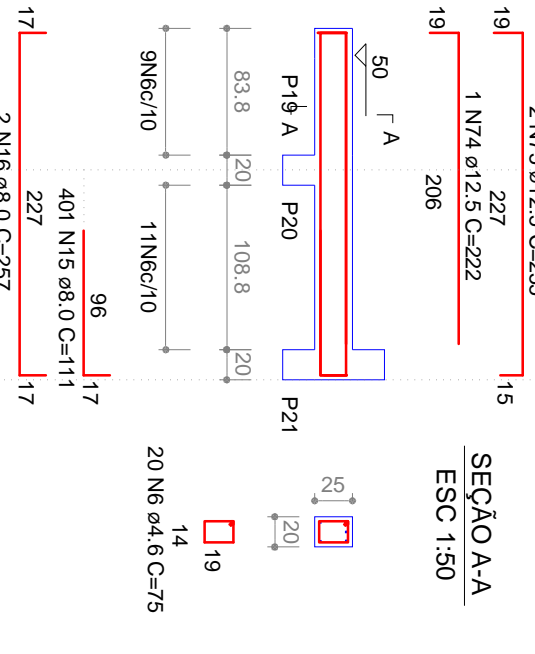
### V1 (20 x 30)



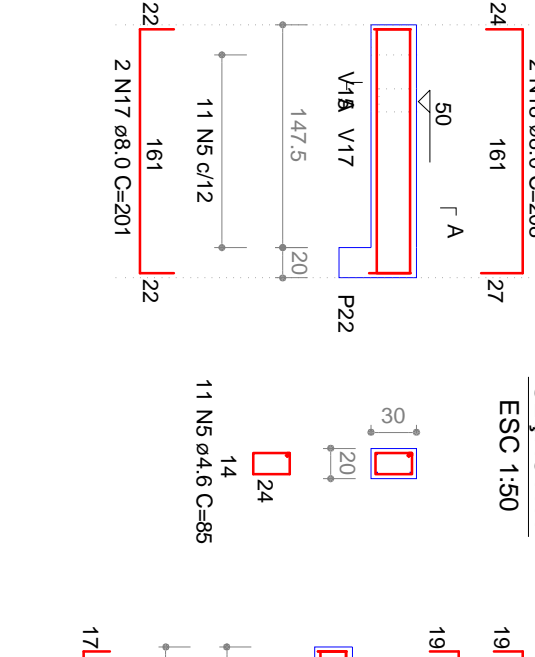
### V2 (20 x 30)



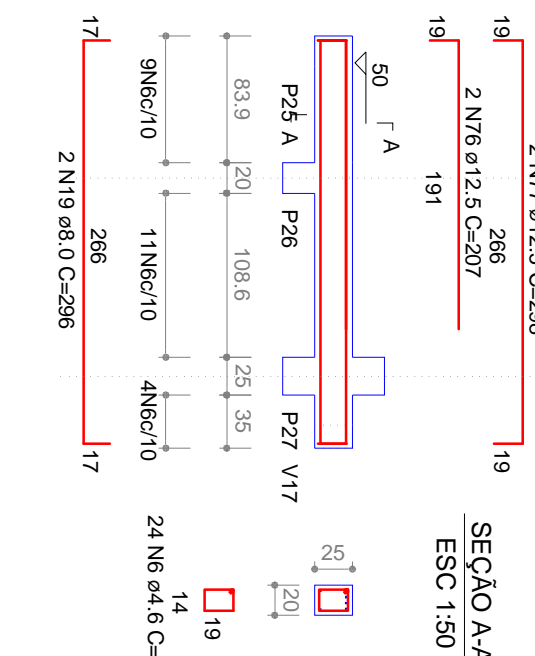
### V5 (20 x 25)



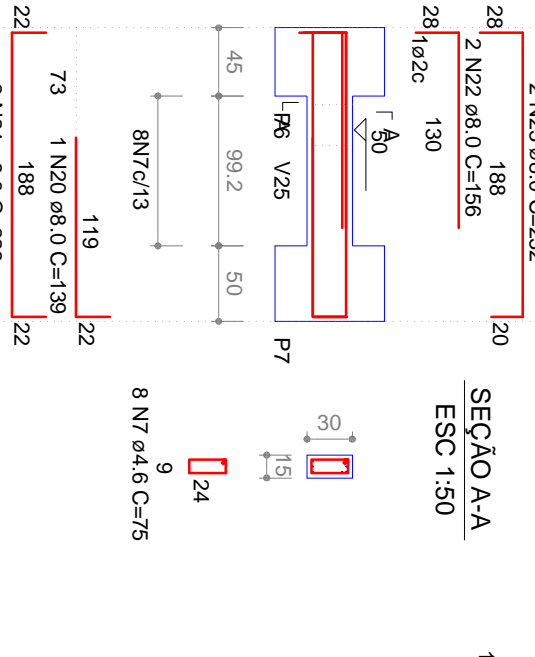
### V6 (20 x 30)



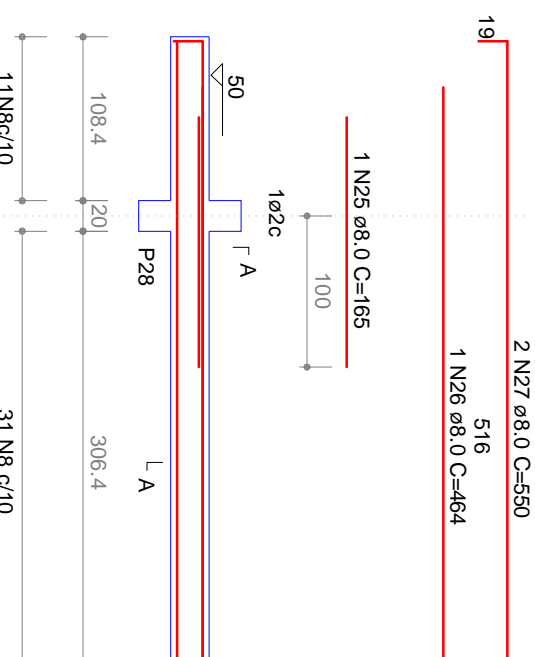
### V7 (20 x 25)



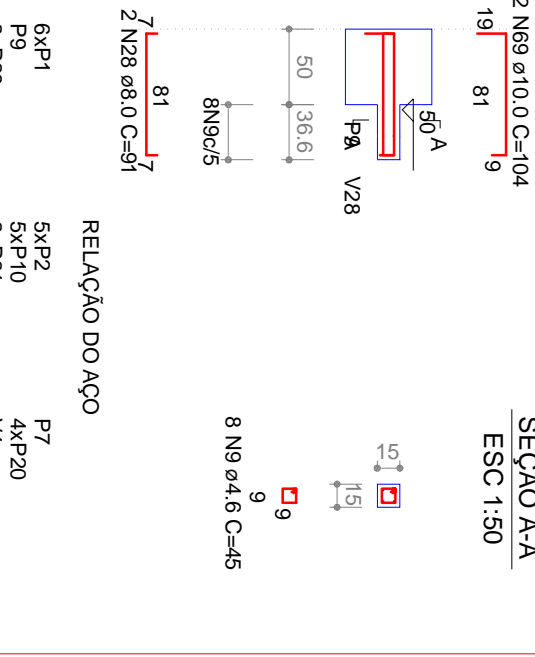
### V8 (15 x 30)



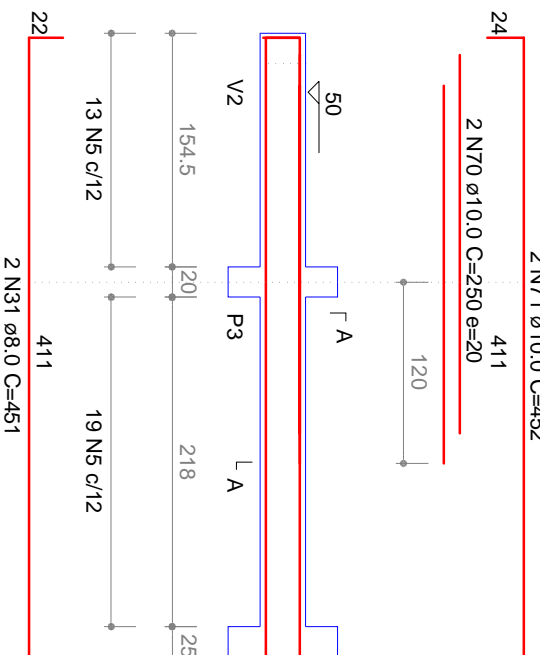
### V9 (15 x 25)



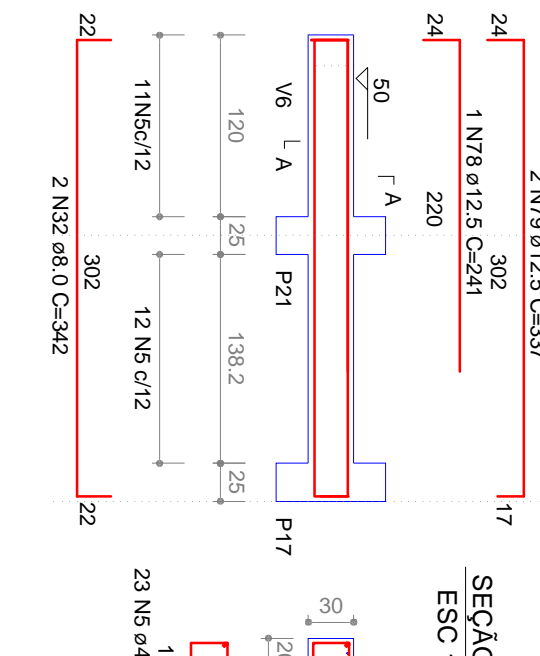
### V10 (15 x 15)



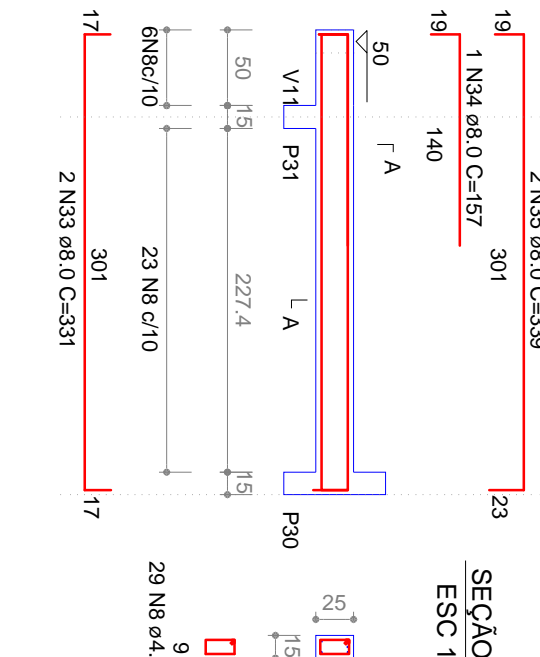
### V14 (20 x 30)



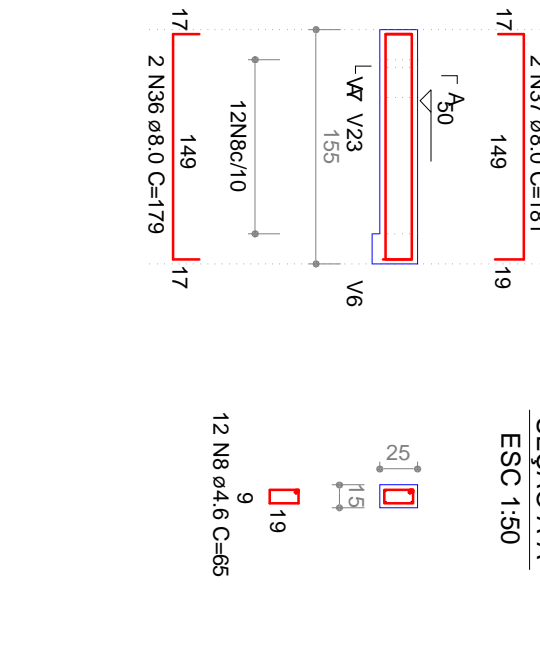
### V15 (20 x 30)



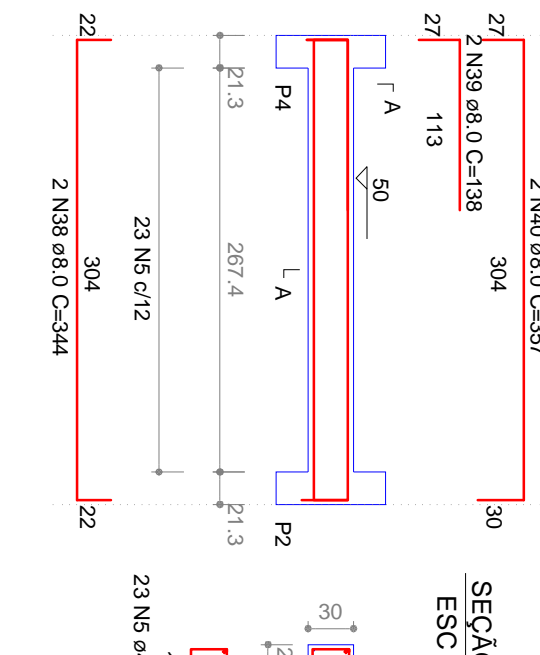
### V16 (15 x 25)



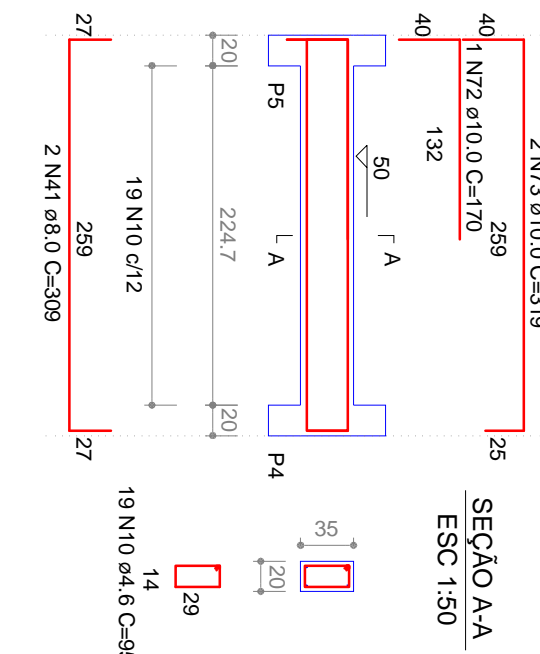
### V17 (15 x 25)



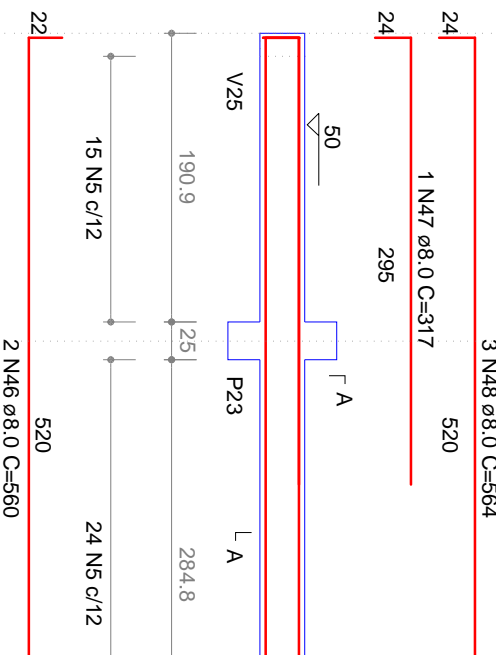
### V18 (20 x 30)



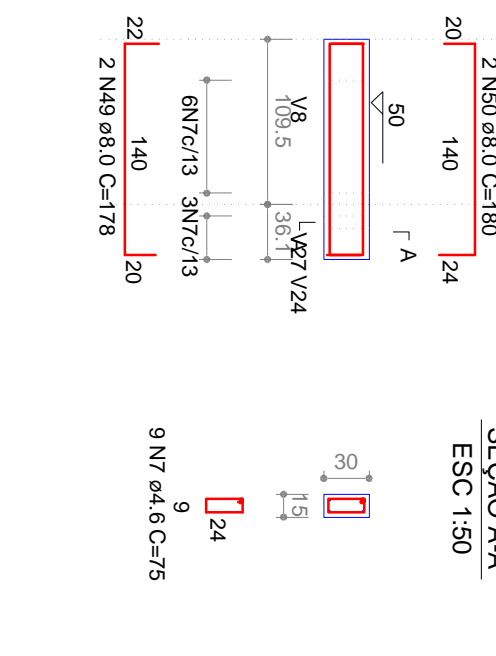
### V20 (20 x 35)



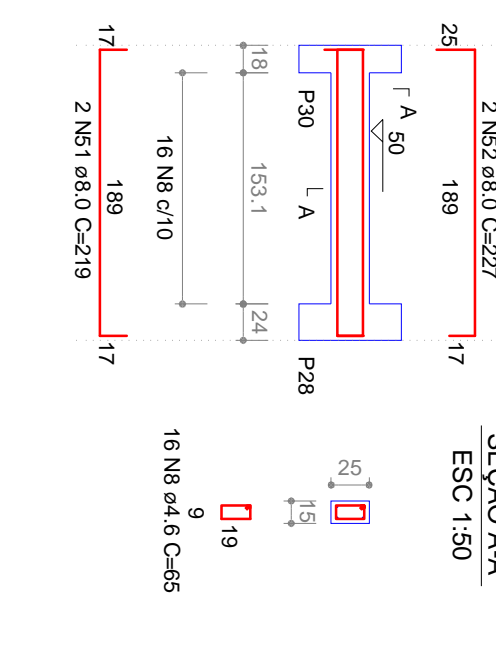
### V24 (20 x 30)



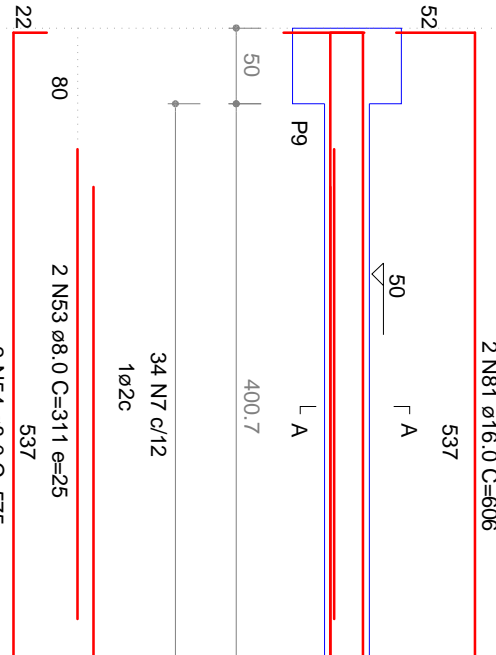
### V25 (15 x 30)



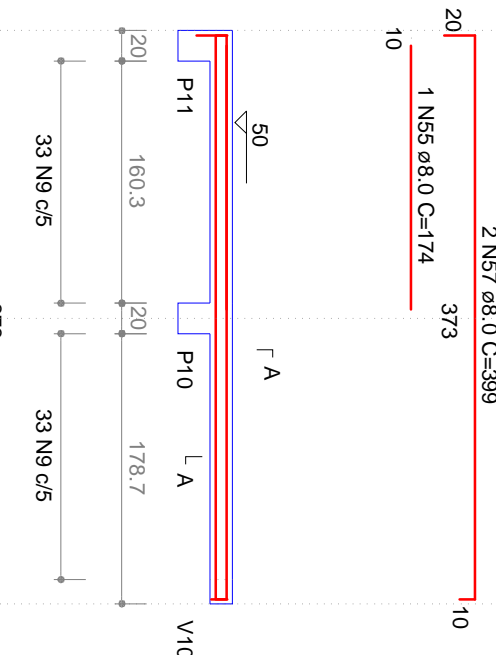
### V26 (15 x 25)



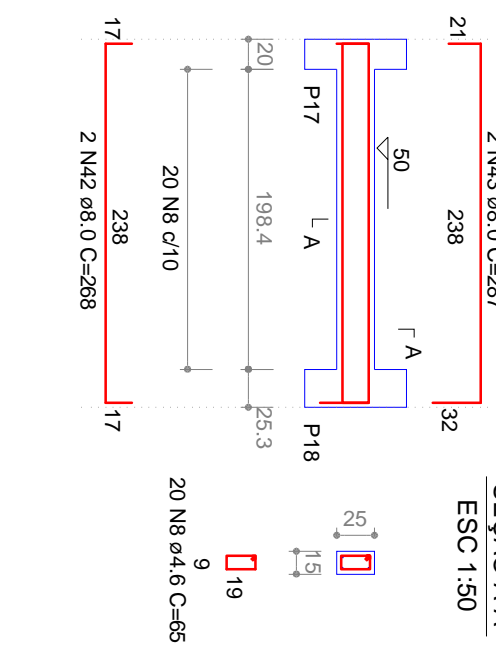
### V27 (15 x 30)



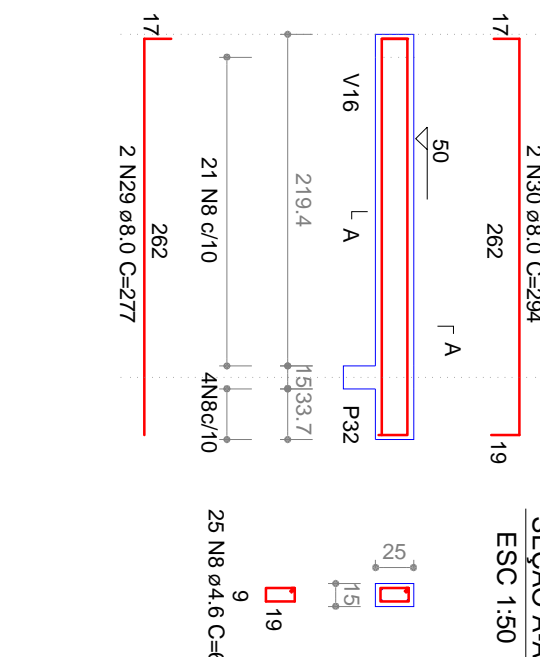
### V28 (15 x 15)



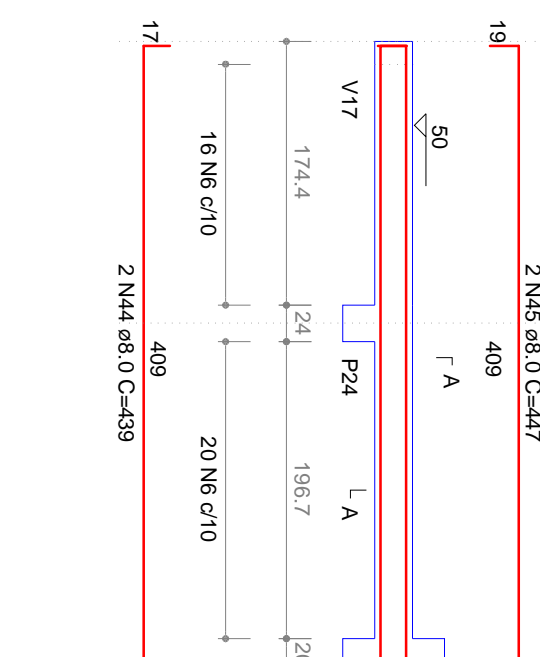
### V22 (15 x 25)



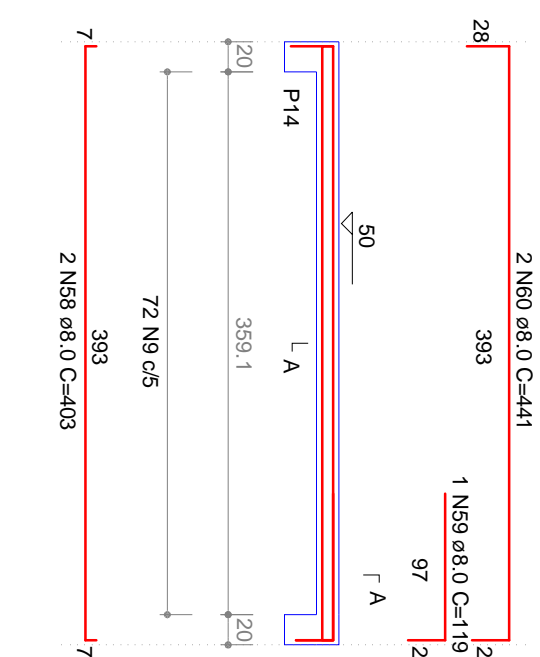
### V11 (15 x 25)



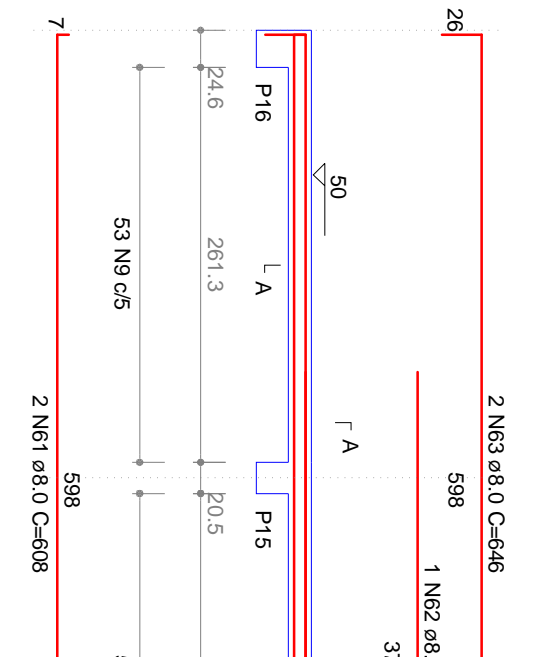
### V23 (20 x 25)



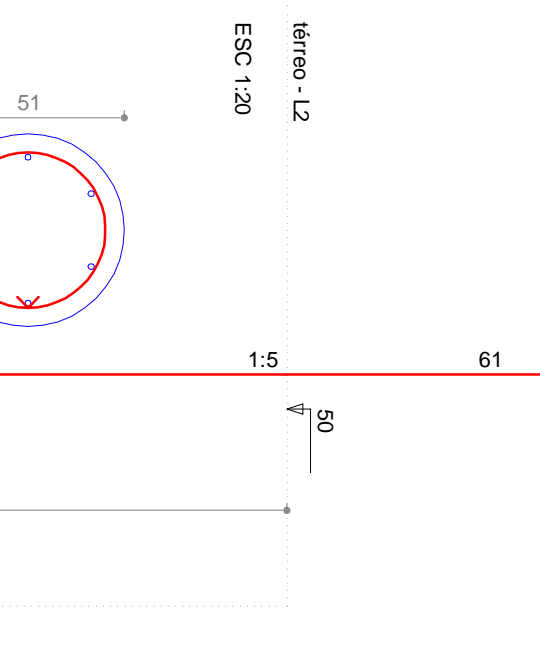
### V29 (15 x 15)



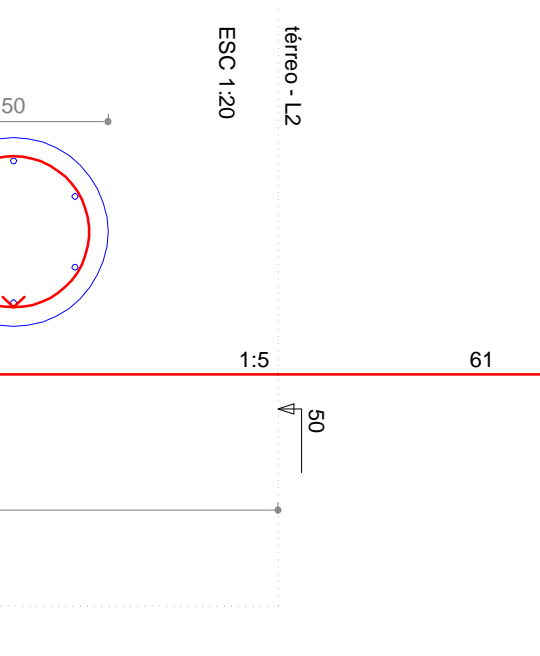
### V30 (15 x 15)



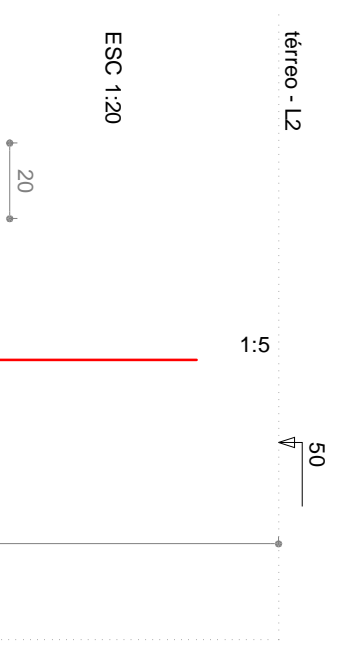
### P7



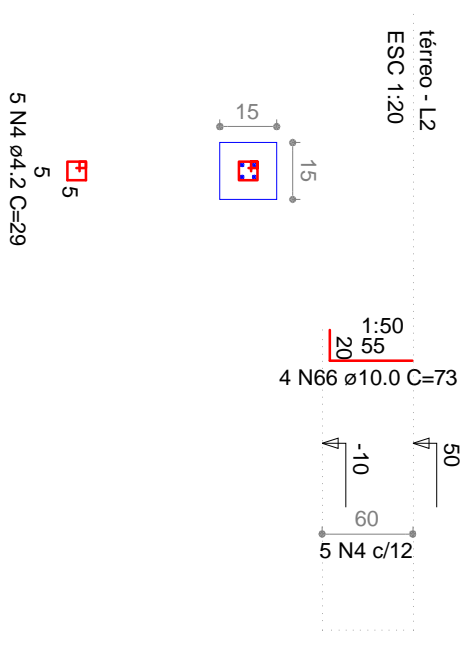
### P9



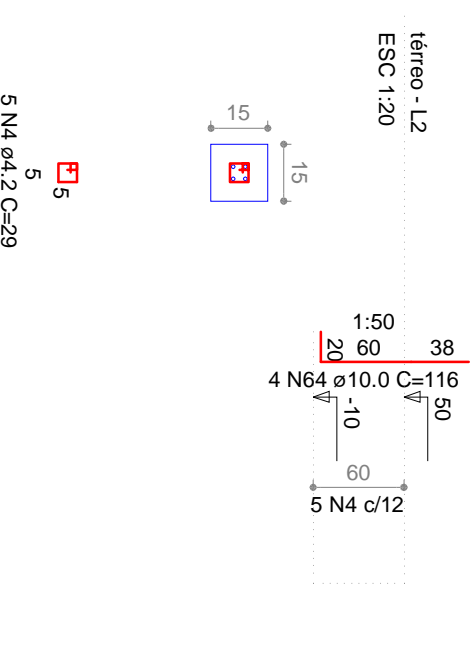
### P10=P11=P14=P15=P16



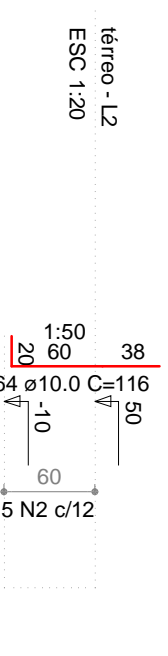
### P31=P32



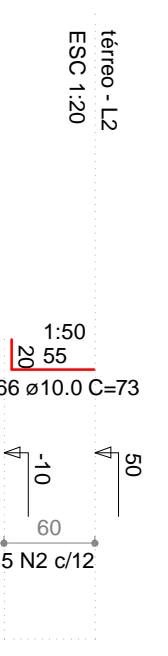
### P29=P30



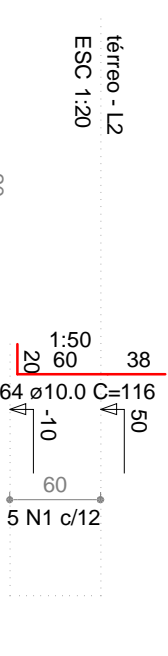
### P2=P3=B4=B5=P28



### P20=P22=B24=P26



### P1=P17=P18=P21=P23=P27



TÍTULO: FERRAGEM			
OBRA: AUDITORIO RECEP			
LOCAL: FRANCA SP			
CLIENTE: UNIFACEF			
ENG. VIRGINIO H. V. REIS			
CREA:	0600706662	OBS:	
ESCALA:	INDICADA		
DATA:	NOV 2012		

ACO	N	DIAM	Q	UNIT	C TOTAL
60	1	4.2	30	39	1170
	2	4.2	4	137	548
	3	4.2	20	29	580
	4	4.2	15	75	1125
	5	4.2	80	75	6000
	6	4.6	80	75	6000
	7	4.8	55	75	4125
	8	4.6	255	45	11475
	9	4.6	19	95	1805
	10	4.6	19	95	1805
	11	8.0	2	288	596
	12	8.0	2	306	612
	13	8.0	2	241	482
	14	8.0	2	201	402
	15	8.0	2	257	514
	16	8.0	2	208	416
	17	8.0	2	208	416
	18	8.0	2	208	416
	19	8.0	2	208	416
	20	8.0	2	139	278
	21	8.0	2	228	456
	22	8.0	2	228	456
	23	8.0	2	232	464
	24	8.0	2	232	464
	25	8.0	2	232	464
	26	8.0	2	232	464
	27	8.0	2	232	464
	28	8.0	2	232	464
	29	8.0	2	232	464
	30	8.0	2	232	464
	31	8.0	2	232	464
	32	8.0	2	232	464
	33	8.0	2	232	464
	34	8.0	2	232	464
	35	8.0	2	232	464
	36	8.0	2	232	464
	37	8.0	2	232	464
	38	8.0	2	232	464
	39	8.0	2	232	464
	40	8.0	2	232	464
	41	8.0	2	232	464
	42	8.0	2	232	464
	43	8.0	2	232	464
	44	8.0	2	232	464
	45	8.0	2	232	464
	46	8.0	2	232	464
	47	8.0	2	232	464
	48	8.0	2	232	464
	49	8.0	2	232	464
	50	8.0	2	232	464
	51	8.0	2	232	464
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	53	8.0	2	232	464
	54	8.0	2	232	464
	55	8.0	2	232	464
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	57	8.0	2	232	464
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	68	8.0	2	232	464
	69	8.0	2	232	464
	70	8.0	2	232	464
	71	8.0	2	232	464
	72	8.0	2	232	464
	73	8.0	2	232	464
	74	8.0	2	232	464
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	77	8.0	2	232	464
	78	8.0	2	232	464
	79	8.0	2	232	464
	80	8.0	2	232	464
	81	8.0	2	232	464
	82	8.0	2	232	464
	83	8.0	2	232	464
	84	8.0	2	232	464
	85	8.0	2	232	464
	86	8.0	2	232	464
	87	8.0	2	232	464
	88	8.0	2	232	464
	89	8.0	2	232	464
	90	8.0	2	232	464
	91	8.0	2	232	464
	92	8.0	2	232	464
	93	8.0	2	232	464
	94	8.0	2	232	464
	95	8.0	2	232	464
	96	8.0	2	232	464
	97	8.0	2	232	464
	98	8.0	2	232	464
	99	8.0	2	232	464
	100	8.0	2	232	464

ACO	DIAM	C TOTAL	PESO-10%
CA50	8.0	312.6	135.9
CA50	10.0	118.3	80.9
CA50	12.5	12.3	25.4
CA50	16.0	25.4	44.2
CA50	4.2	60.5	7.3
PESO TOTAL		466.9	67.0
CA50		288.2	
CA50		74.2	

Volume de concreto total = 4.08 m³  
Área da forma total = 63.23 m²  
Ida = 250.00 kg/m³