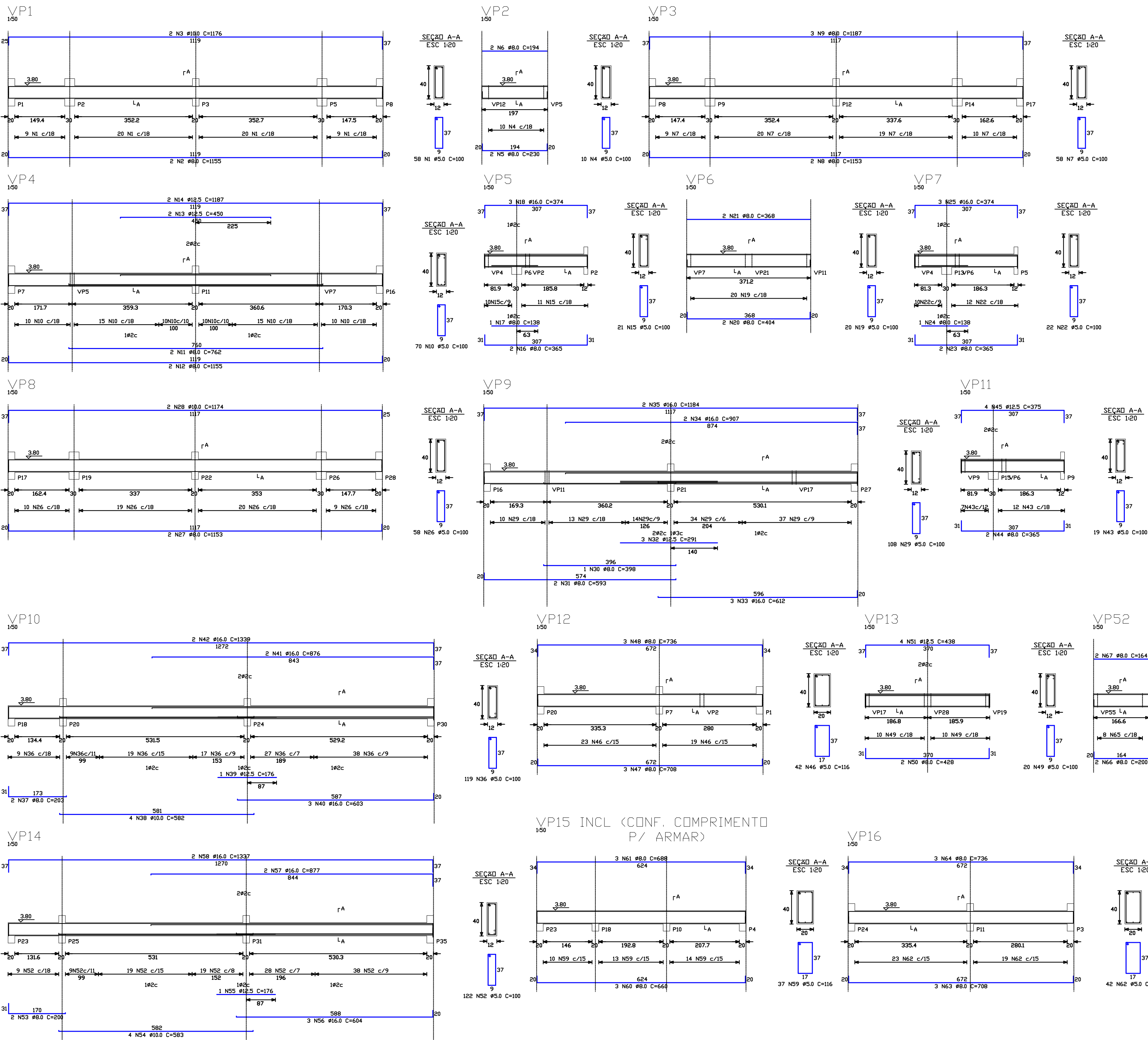




RELAÇÃO DO AÇO						
ELEMENTO	AÇO	N	DIAM	Q	UNIT	C.TOTAL
			(cm)		(cm)	
VP1	60	3	5,0	58	100	5800
	30	3	10,0	90	1170	2310
	20	3	10,0	90	1170	2310
VP2	50	4	8,0	80	230	460
	30	4	8,0	80	194	388
	20	4	8,0	80	194	388
VP3	60	7	5,0	58	100	5800
	30	7	10,0	90	1170	2310
	20	7	10,0	90	1170	2310
VP4	60	9	8,0	70	1187	2361
	30	9	8,0	70	1187	2361
	20	9	8,0	70	1187	2361
VP5	60	14	12,5	2	450	900
	30	14	12,5	2	450	900
	20	14	12,5	2	450	900
VP6	60	18	16,0	3	374	1122
	30	18	16,0	3	374	1122
	20	18	16,0	3	374	1122
VP7	60	23	8,0	2	360	720
	30	23	8,0	2	360	720
	20	23	8,0	2	360	720
VP8	60	25	16,0	3	374	1122
	30	25	16,0	3	374	1122
	20	25	16,0	3	374	1122
VP9	60	29	10,0	8	1080	2160
	30	29	10,0	8	1080	2160
	20	29	10,0	8	1080	2160
VP10	60	36	10,0	119	1190	2380
	30	36	10,0	119	1190	2380
	20	36	10,0	119	1190	2380
VP11	60	42	16,0	3	374	1122
	30	42	16,0	3	374	1122
	20	42	16,0	3	374	1122
VP12	60	45	12,5	4	375	1500
	30	45	12,5	4	375	1500
	20	45	12,5	4	375	1500
VP13	60	48	8,0	2	360	720
	30	48	8,0	2	360	720
	20	48	8,0	2	360	720
VP14	60	51	12,5	4	375	1500
	30	51	12,5	4	375	1500
	20	51	12,5	4	375	1500
VP15	60	58	16,0	3	374	1122
	30	58	16,0	3	374	1122
	20	58	16,0	3	374	1122
VP16	60	61	8,0	42	114	4752
	30	61	8,0	42	114	4752
	20	61	8,0	42	114	4752
VP16	60	65	5,0	8	100	800
	30	65	5,0	8	100	800
	20	65	5,0	8	100	800

RESUMO DO AÇO				
AÇO	DIAM	C.TOTAL	PESO+0%	
CA50	8,0	398,7	1418	
CA60	10,0	93,7	378	
CA60	12,5	77,5	747	
CA60	16,0	207,3	2593	
CA60	20,0	857,5	1320	
CA50	6018			
CA60	1321			

Volume de concreto total = 6,47 m³
Área de forma total = 113,51 m²

PROJETO ESTRUTURAL		Fck=20MPa
TÍTULO :	LOCAL :	ESCALA INDICADA
CLIENTE :	ASSUNTO : ARMAÇÃO DAS VIGAS PISO	DIA
ENL. RESP. HEBERT CONCEIÇÃO FOM		DATA 12/2005
ENL. RESP. HEBERT CONCEIÇÃO FOM		DATA 12/2005

ESCRITÓRIO DE ENGENHARIA CIVIL		FOLHA Nº 1
PROJETOS - CÁLCULO - ADMINISTRAÇÃO		14/16
FONE/FAX : (14) 3 2 2 5 1 1 3 7 BARRAUS - SP		ENL. RESP.