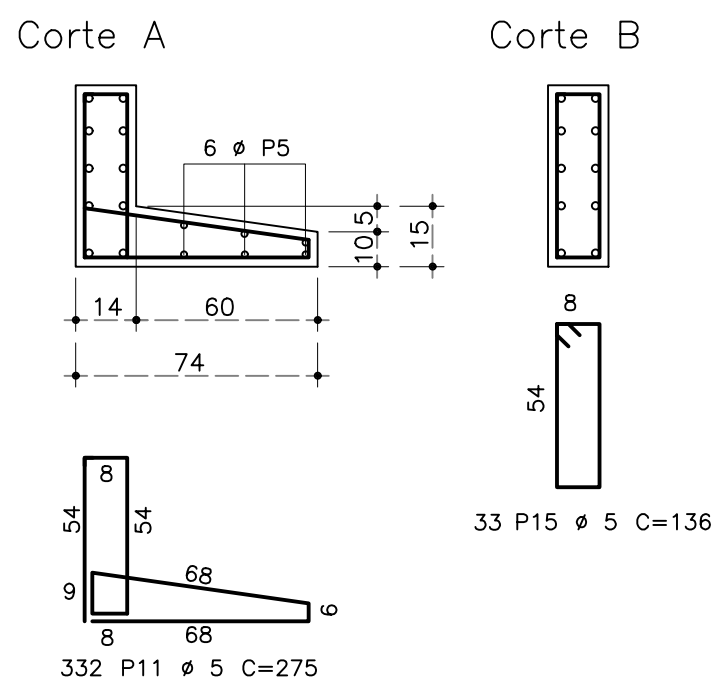
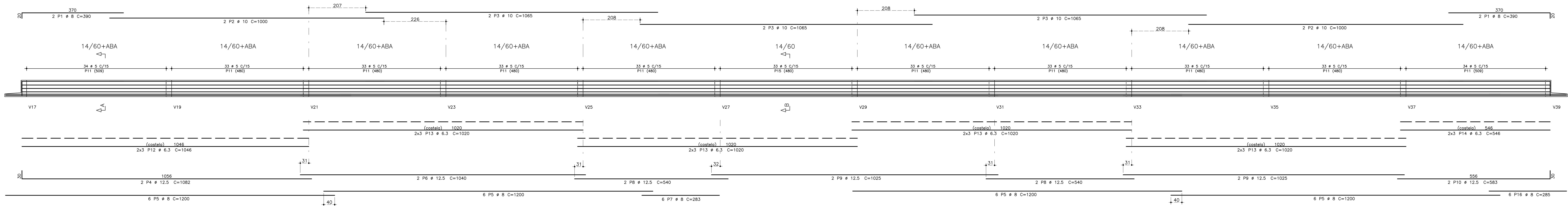
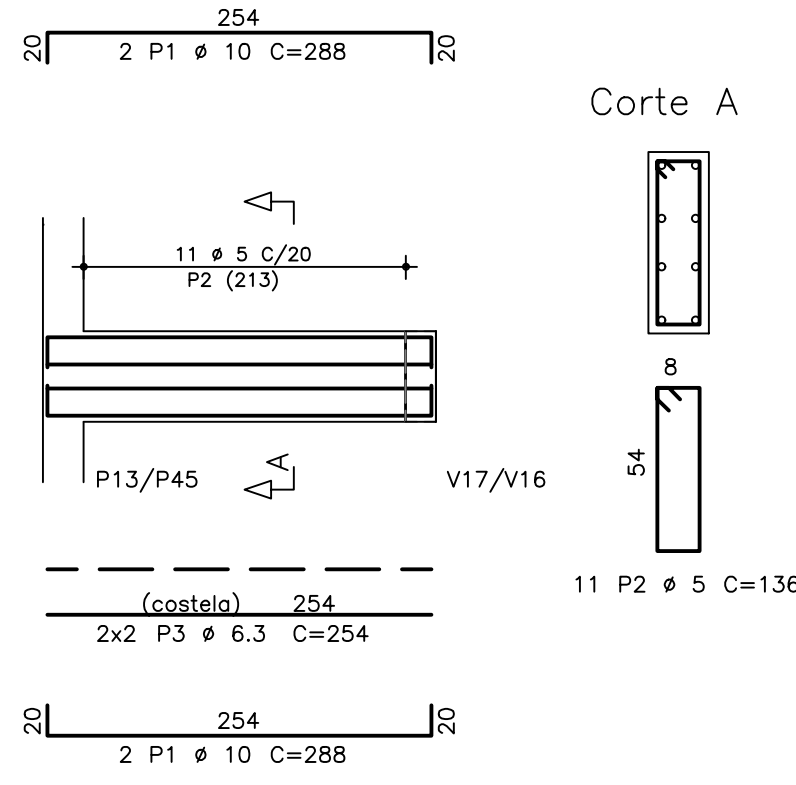


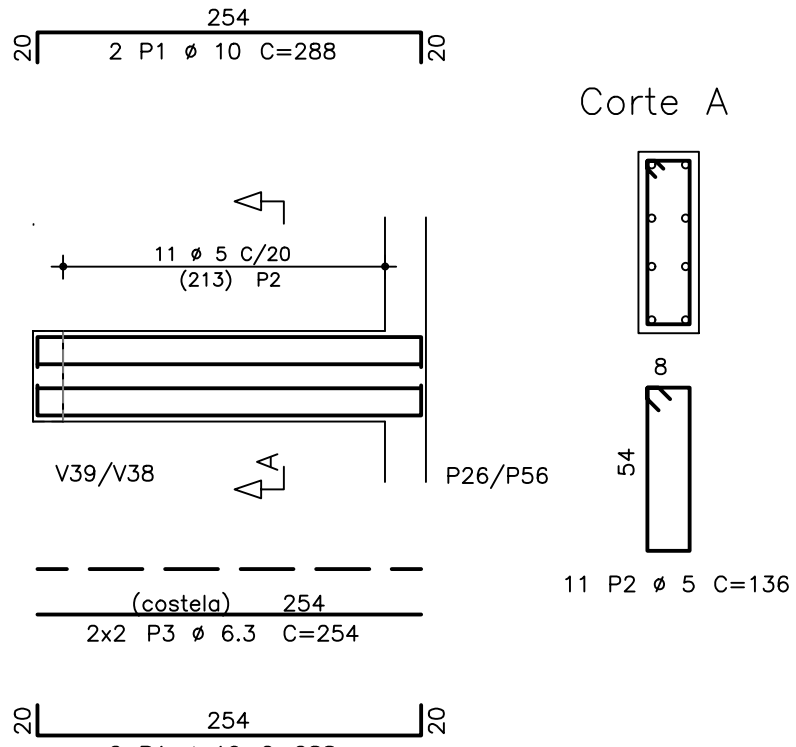
V1



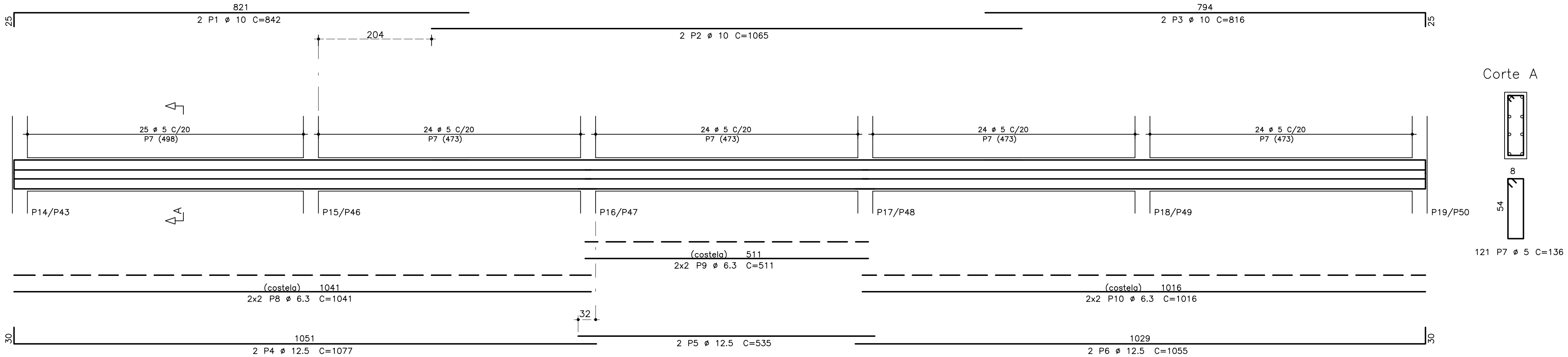
V2=V8 14/60



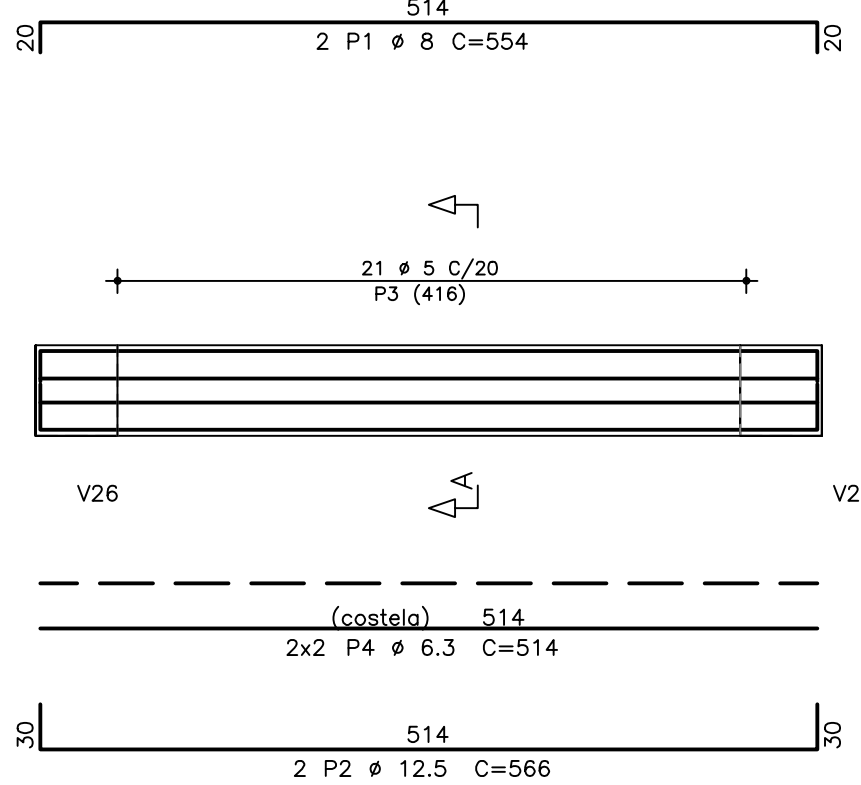
V3=V9 14/60



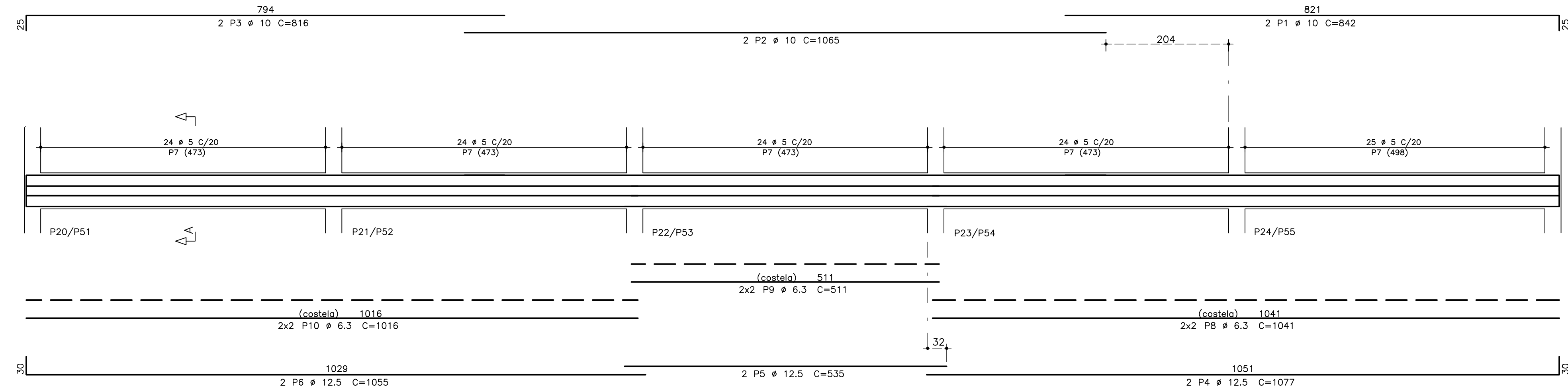
V4=V6 14/60



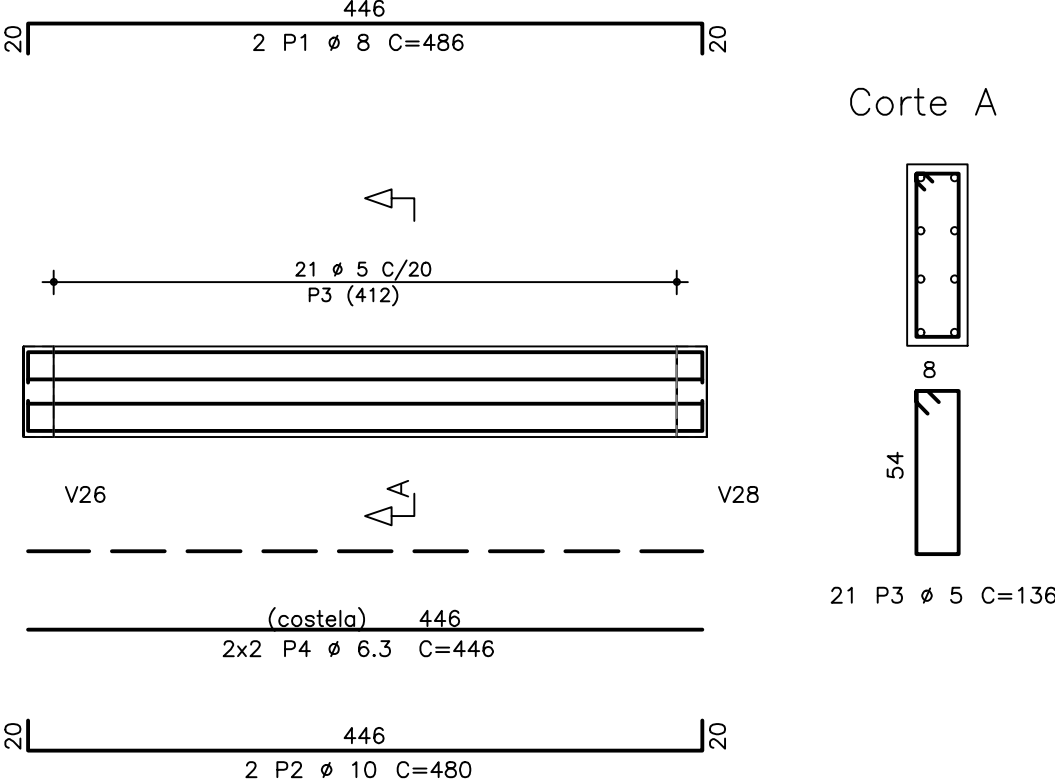
V10 14/60



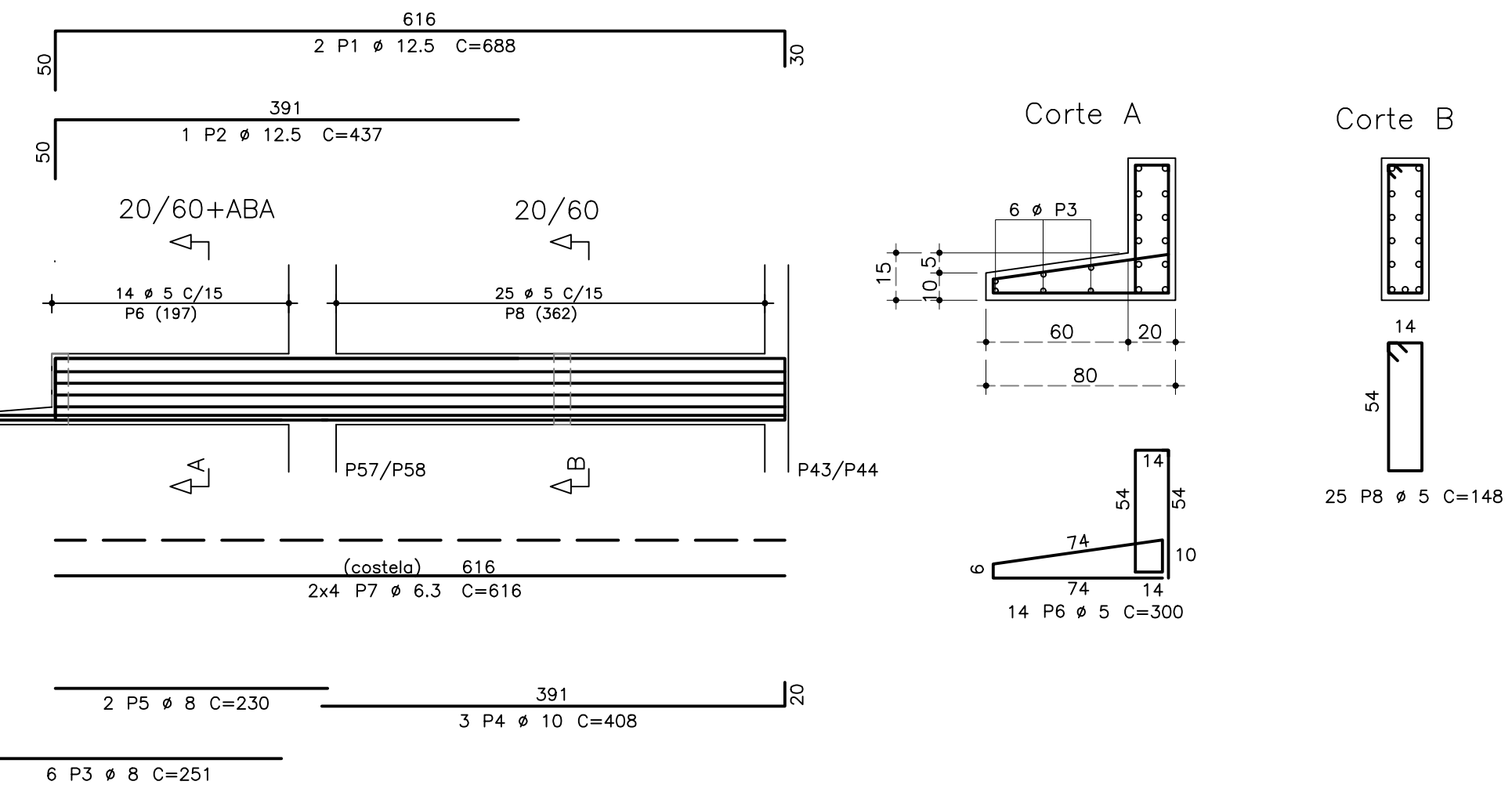
V5=V7 14/60



V15 14/60



V16=V38



	AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO			AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO	
					UNIT	TOTAL						UNIT	TOTAL
V1					(cm)	(cm)	V4=V6	(X2)					
50	1	8	4	390	1560		50	1	10	4	842	3368	
50	2	10	4	1000	4000		50	2	10	4	1065	4260	
50	3	10	6	1085	6510		50	3	10	4	816	3264	
50	4	12,5	2	1082	2164		50	4	12,5	4	1077	4308	
50	5	8	24	1200	28800		50	5	12,5	4	535	2140	
50	6	12,5	2	1040	2080		50	6	12,5	4	1055	4220	
50	7	8	6	283	1698		60	7	5	242	136	32912	
50	8	12,5	4	240	960		50	8	6,3	8	1041	8328	
50	9	12,5	4	1025	4100		50	9	6,3	8	511	4088	
50	10	12,5	2	583	1166		50	10	6,3	8	1016	8128	
60	11	5	332	275	91300		V5=V7	(X2)					
50	12	6,3	6	1046	6276		50	1	10	4	842	3368	
50	13	6,3	24	1020	24480		50	2	10,5	4	1065	4260	
50	14	6,3	6	946	5676		50	3	10	4	816	3264	
60	15	5	33	136	4488		50	4	10,5	4	1077	4308	
50	16	8	6	285	1710		50	5	12,5	4	535	2140	
V2=V8	(X2)						50	6	12,5	4	1055	4220	
50	1	10	8	288	2304		60	7	5	242	136	32912	
60	2	5	22	136	2992		50	8	6,3	8	1041	8328	
50	3	6,3	8	254	2032		50	9	6,3	8	511	4088	
V3=V9	(X2)						50	10	6,3	8	1016	8128	
50	1	10	8	288	2304		V10						
60	2	5	22	136	2992		50	1	8	2	554	1108	
50	3	6,3	8	254	2032		50	2	12,5	2	566	1132	

AÇO	BIT (mm)	COMPR (m)	PESO (kg)
60	6.3	1881	303
50	8	929	159
50	6	402	232
50	12.5	378	378
Peso Total			1022 kg

DETALHE DE DOBRAMENTO DOS FERROS	Ø	RAIO (cm)	DESCONTO (cm)
	10.0	7.5	3.0
	12.5	9.3	4.0
	16.0	12.0	5.0
	20.0	15.0	6.0
	25.0	18.5	8.0

TAUFIG ASFURA CREA 1086 - PE/PA		GAMAL ASFURA CREA 16973 - PE/PA			
ITALO B. SCHMITZ CREA PD45-442				 engest@terra.com.br	
RUA ARNÓBIO MARQUES, 271 - STO. AMARO - RECIFE-PE - CEP:50.100-130. FONE:(081)3222-6652 - FAX:3231-2500 E-MAIL:engestpe@terra.com.br					
OBRA: GINÁSIO DE ESPORTES (PREFEITURA DE LIMOEIRO)					
01/2017	RESP. TÉCNICO	ASFO	ESCALA	P	03/01
	GAMAL ASFURA	CA-50 e 60	1:50		
	PROJETO	CONCRETO	DATA		
	ESTRUTURAL	fck > 35 MPa	ABRIL/2017		
	DESENHO	ARQUIVO	REVISÃO		
	AMARO CORTEZ	PO3-01.DWG	0		
NÍVEL INTERMEDIÁRIO - ARMAÇÃO DAS VIGAS (PARTE 01/02)					