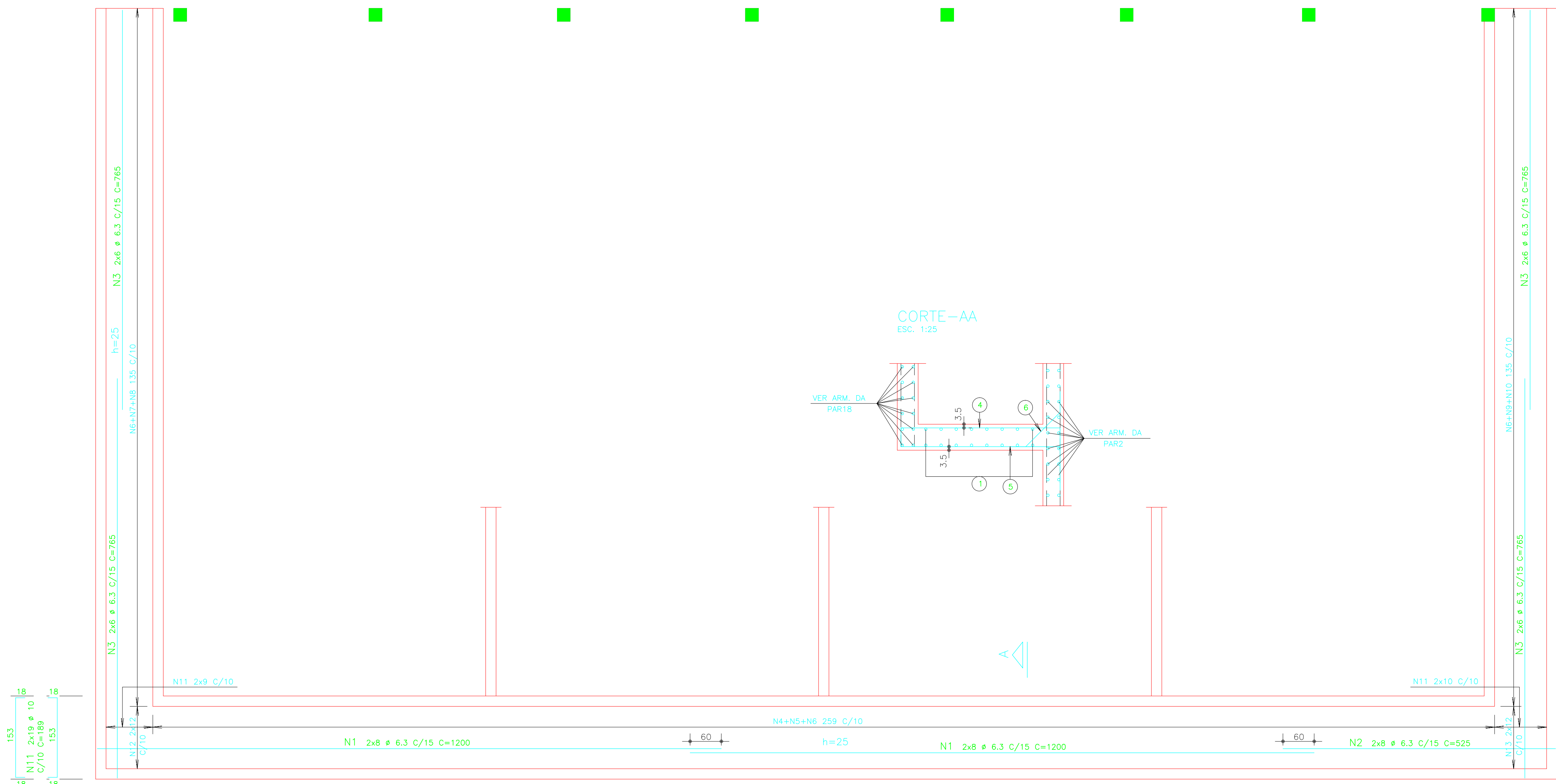


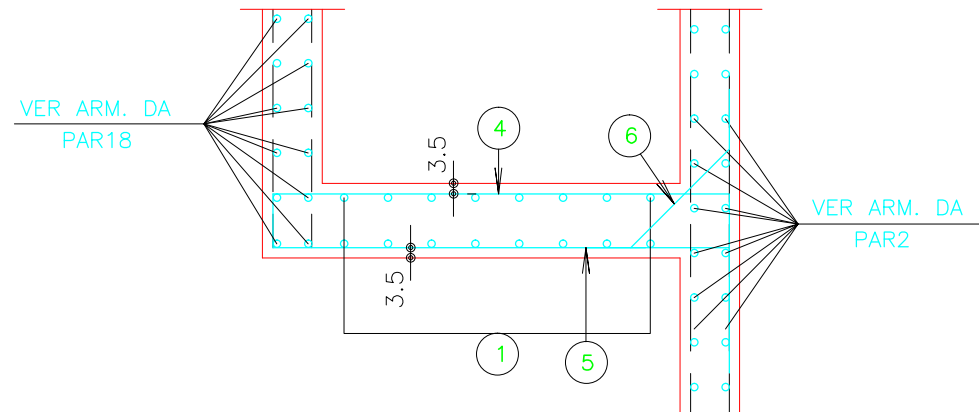
ARM. DA LAJE DO NIVEL 560.45

Esc. 1:50



CORTE-AA

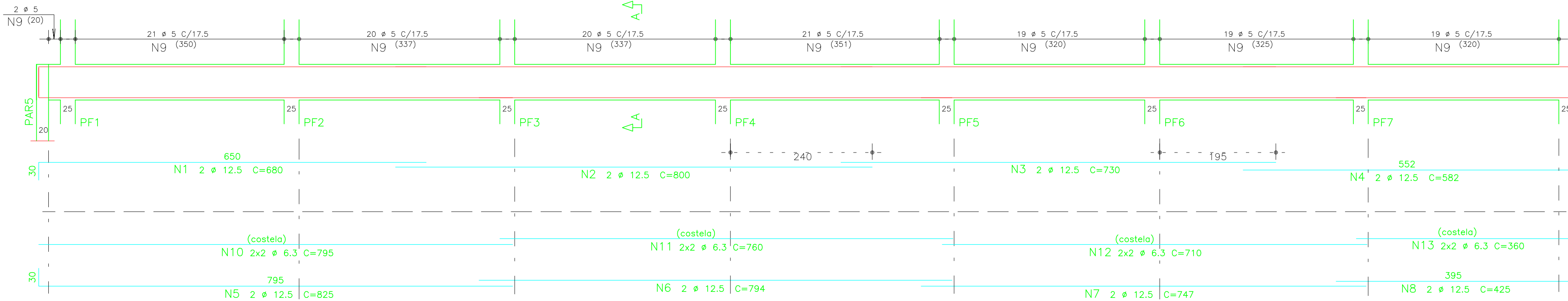
Esc. 1:25



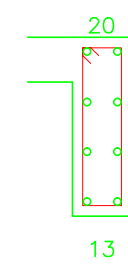
AÇO		POS	BIT (mm)	QUANT	COMPRIMENTO		
					UNIT	TOTAL	
					(cm)	(cm)	
ARM. DA LAJE DO NIVEL 560.45							
50A	2	6.3	32	1200	38400		
		6.3	16	825	13200		
		6.3	48	765	36720		
		10	259	231	59829		
		6.3	259	189	48951		
		6.3	529	85	44985		
		10	135	201	27135		
		6.3	135	159	21465		
		9	10	135	211	28485	
		10	6.3	135	169	22915	
		10	11	10	38	189	7182
		12	24	159	3816		
		13	10	24	169	4056	
PF1 ao PF5 (5X) (X5)							
50A	1	12.5	40	130	5200		
		12.5	40	530	21200		
		5	275	85	23375		
60B	2	12.5	40	357	14280		
		PF6 ao PF8 (3X) (X3)					
		50A	1	12.5	24	140	3360
12.5	24			500	12480		
5	162			85	13770		
60B	4	12.5	24	357	8568		
		PF9 ao PF16 (8X) (X8)					
		50A	1	12.5	64	120	7680
12.5	64			192	16320		
5	344			357	22848		
V201 à V208 (8X) (X8)							
50A	1	10	16	713	11408		
		12.5	24	733	17592		
		5	344	95	32680		
		V209					
50A	1	12.5	2	680	1360		
		12.5	2	800	1600		
		12.5	2	730	1460		
		12.5	2	582	1164		
		12.5	2	825	1650		
		12.5	2	794	1588		
		12.5	2	747	1494		
		12.5	2	425	850		
		5	141	142	20022		
		10	6.3	4	795	3160	
		6.3	4	760	3040		
		12	6.3	4	710	2840	
		13	6.3	4	360	1440	
V210 à V215 (6X) (X6)							
50A	1	12.5	12	736	8832		
		5	258	152	39216		
		16	12	676	8112		
		4	5	36	768	24336	
50A	5	16	18	736	13608		

RESUMO AÇO CA 50-60			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
60B	5	1697	272
50A	6.3	2332	581
50A	10	1419	894
50A	12.5	1332	1332
50A	16	217	348
Peso Total	60B	=	272 kg
Peso Total	50A	=	3154 kg

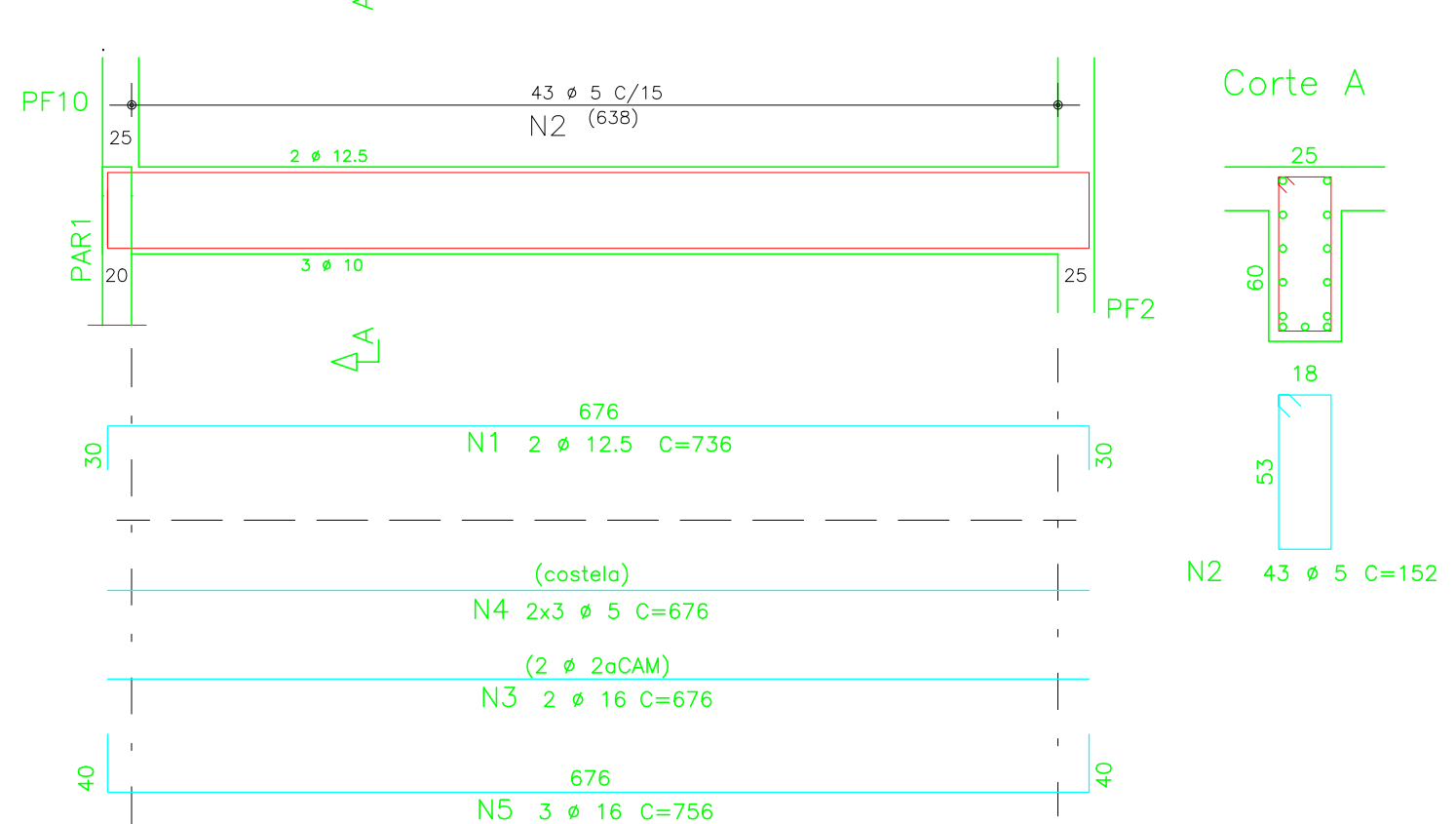
V209 20/60



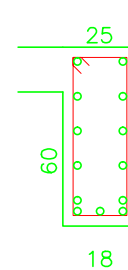
Corte A



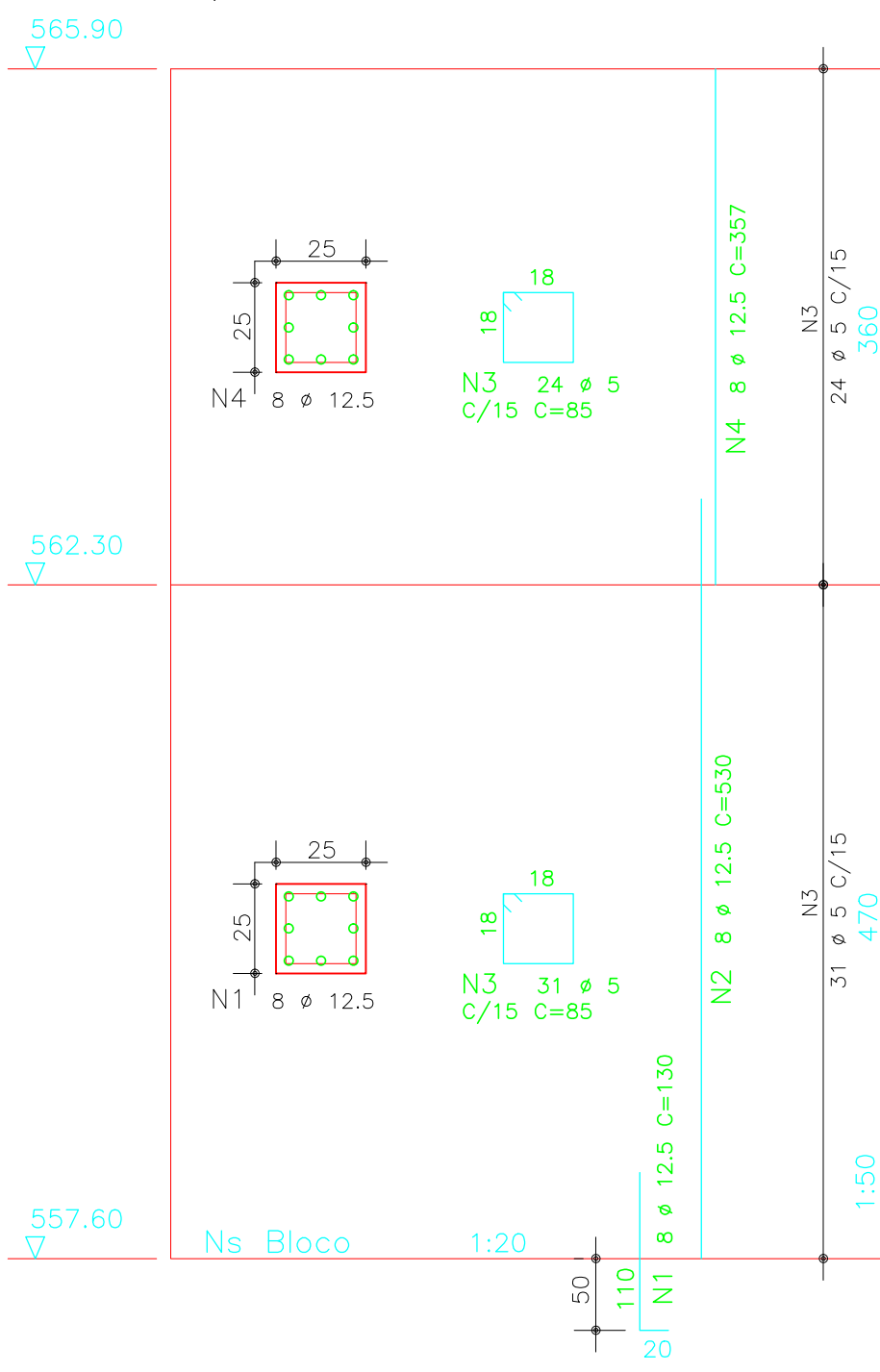
V210 à V215 (6X) 25/60



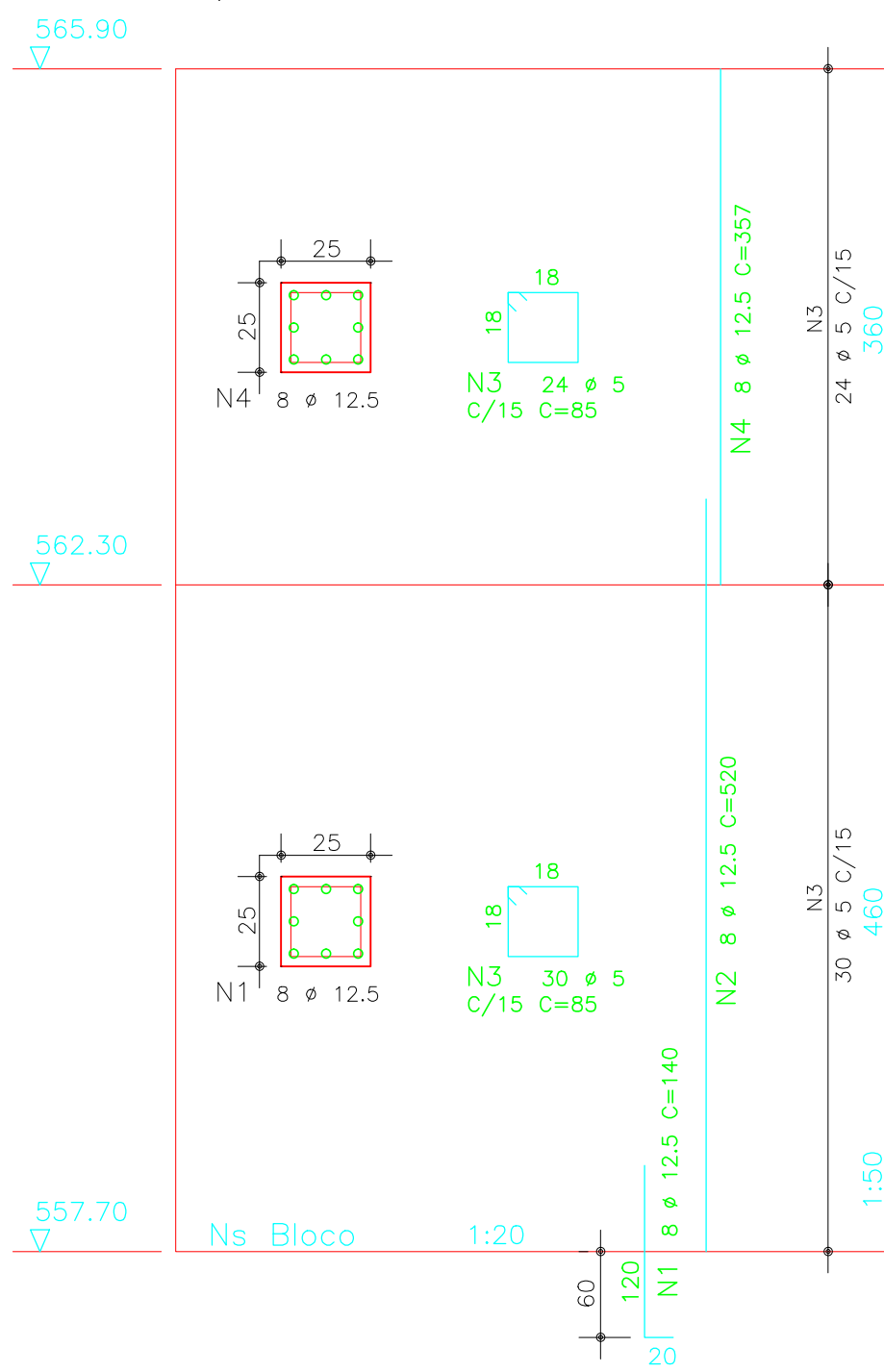
Corte A



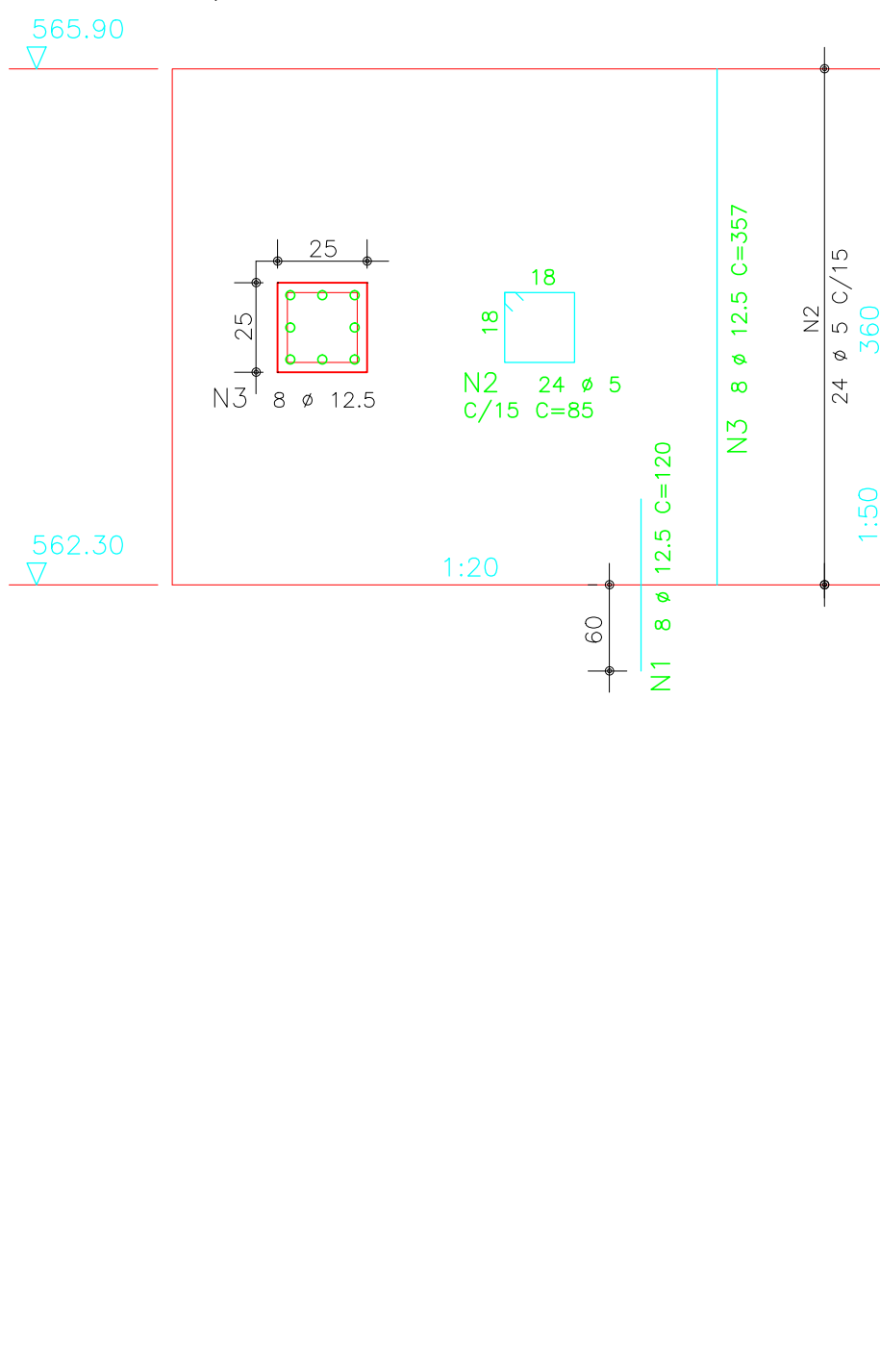
PF1 ao PF5 (5X)



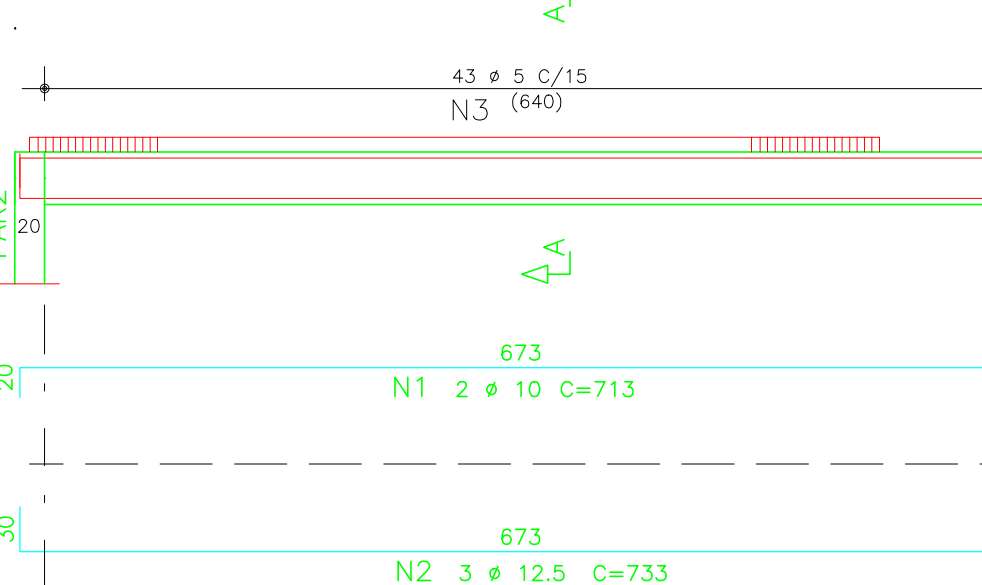
PF6 ao PF8 (3X)



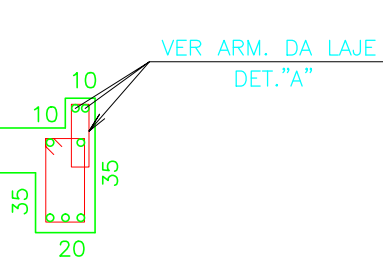
PF9 ao PF16 (8X)



V201 à V208 (8X) 20/35



Corte A



- NOTA:
- É OBRIGATORIO RESPEITAR OS COBRIMENTOS DAS ARMADURAS UTILIZANDO PASTILHAS DE CONCRETO OU PLASTICO
 - COBRIMENTO DAS ARMADURAS = 3.5cm

- AÇO CA-50A,CA-60B

1	REVISÃO GERAL		22/08/12
0	DESENHO INICIAL		22/09/11
REV.	DESCRIÇÃO DE MODIFICAÇÕES	APPROVAÇÃO	DATA
CLIENTE	SEMAE SERVIÇO DE ÁGUA E ESGOTO DE PIRACICABA		
OBRA	CONSTRUÇÃO DE FILTROS		
DESENHO	ARM. DAS LAJE DO NIVEL 560.35,V201 à V215 e PF1 ao PF16		ARQUIVO VIGAS.DWG
			ESCALAS 1:50,1:25
			FL. C-411
M		ENGENHARIA E PROJETOS S/C LTDA.	
MARTH		RUA FLORIANO PEIXOTO N. 345 - CENTRO - TELEFAX (067)19-3433381	
ENG. CIVIL SALVADOR D. MARTH - CREA 0601478290		PRÉDIO ESTRUTURAL P11-097	
		SEN. CLAUDIO	

DETALHE DO RAIOS DE DOBRAMENTO DOS FERROS



φ (mm)	10	12.5	16	20	25
R (cm)	2.5	3.5	4	8	10

VIGAS ESPAÇAMENTO ENTRE CAMADAS DAS BARRAS

