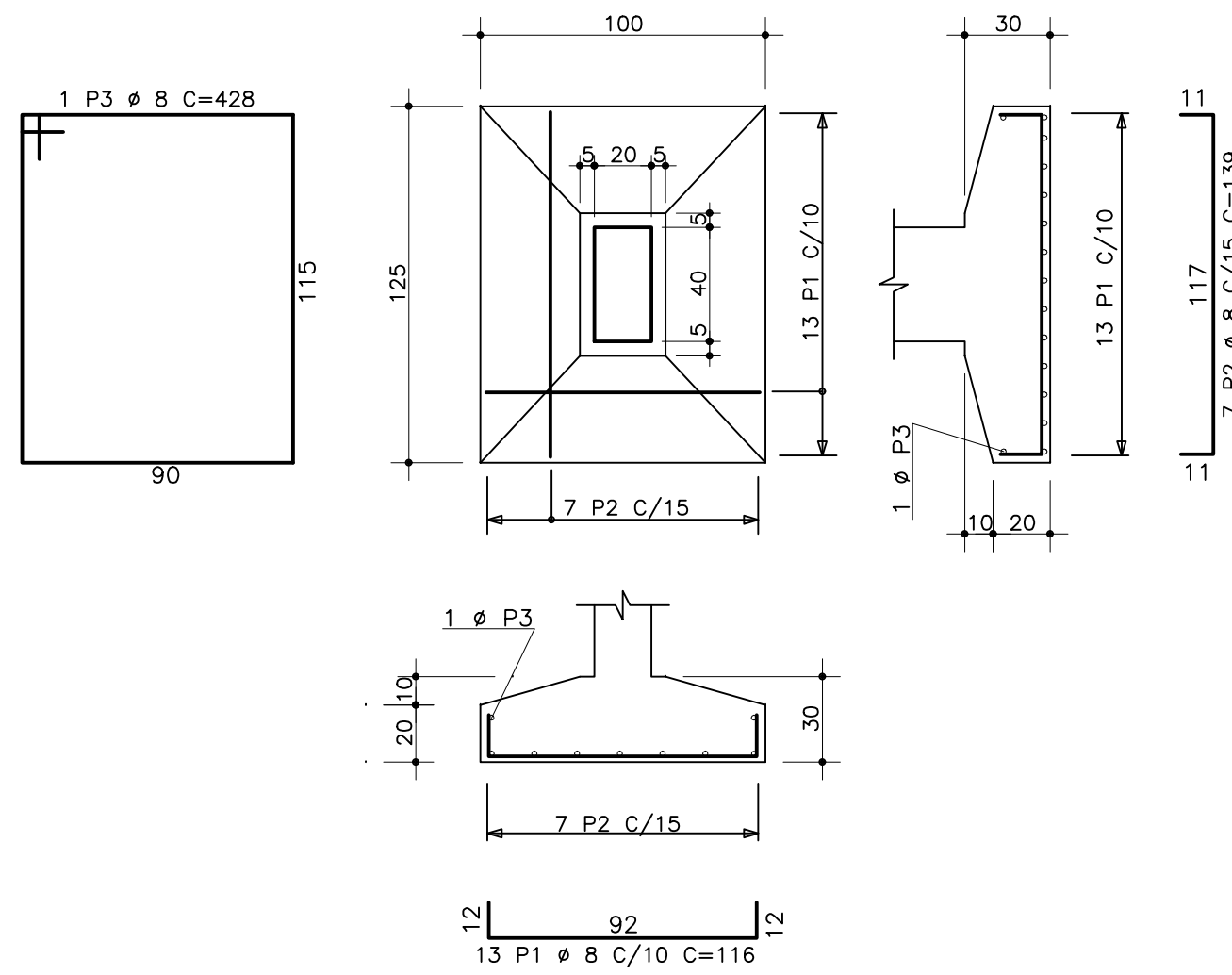
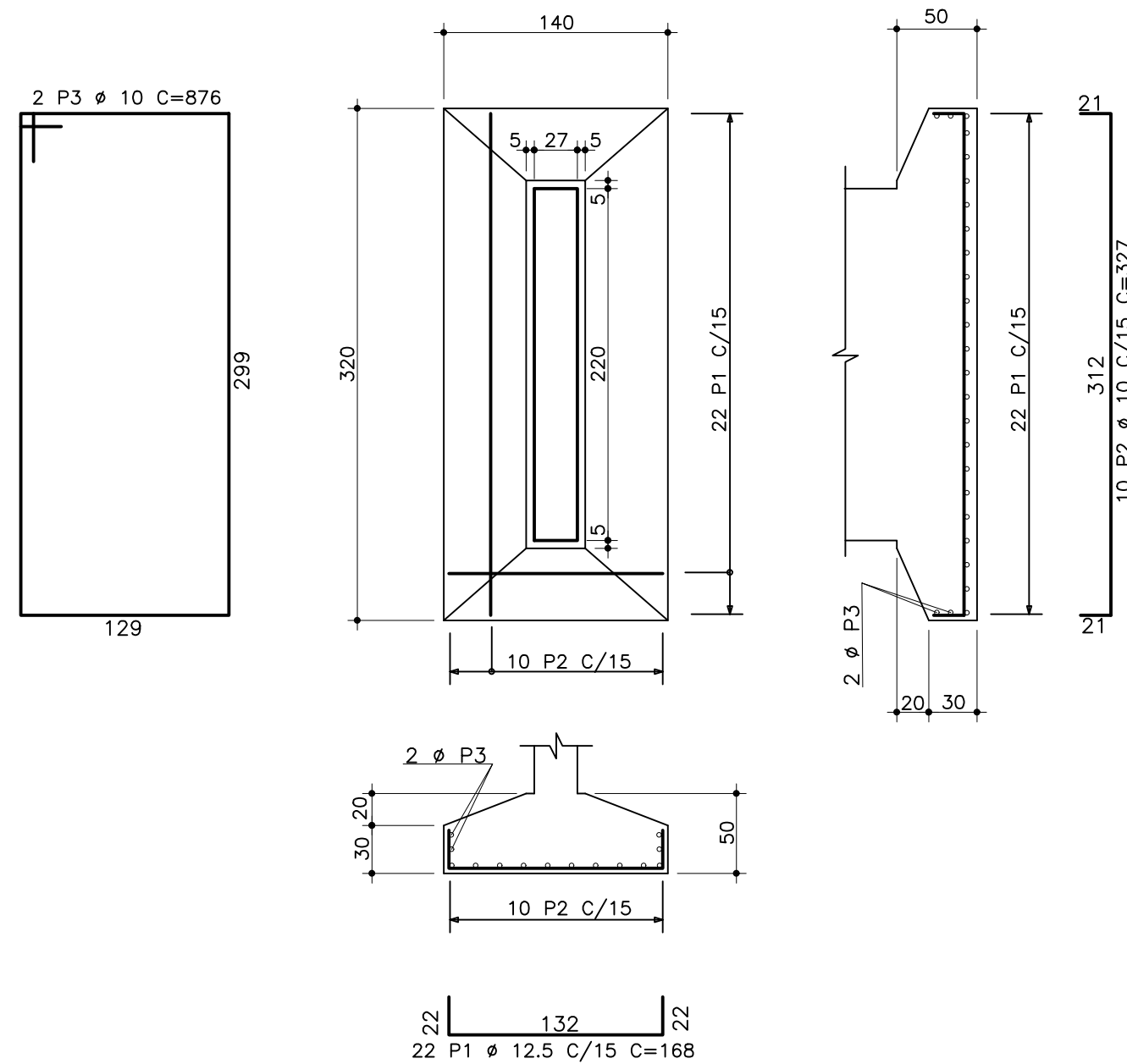


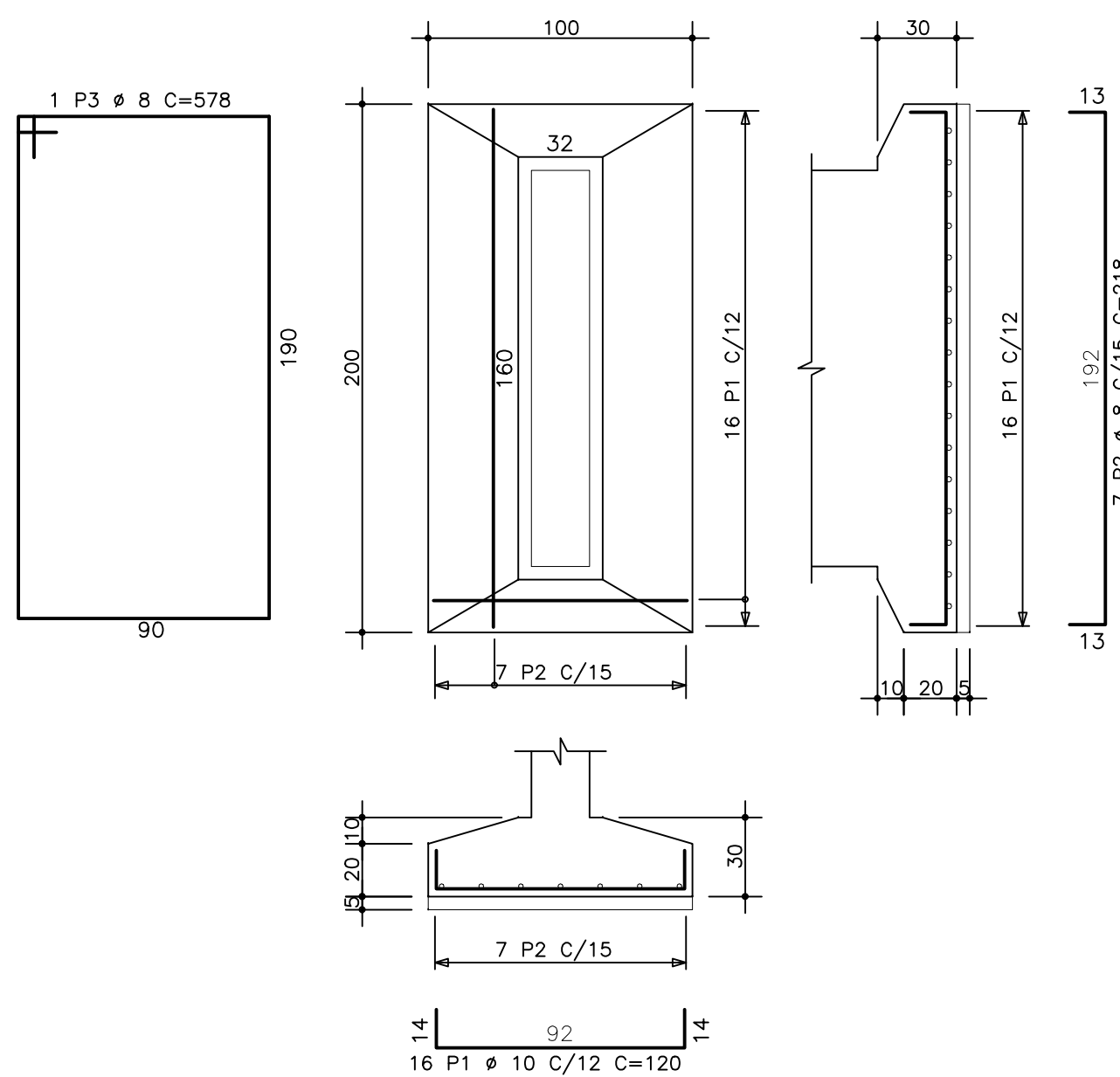
S1aS12=S57a68  
(24 X ) (ESCALA 1:25)



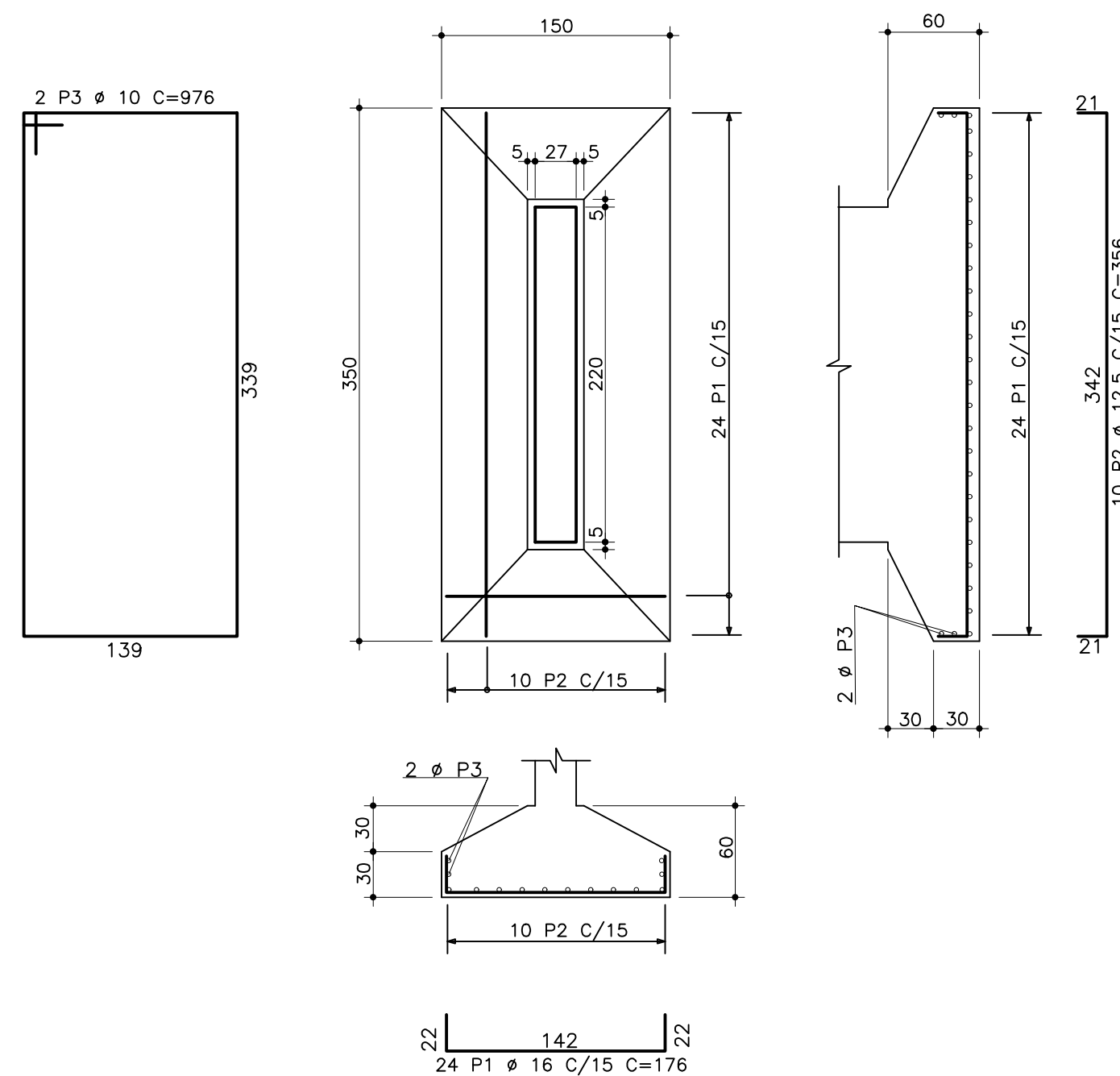
S13=S26=S45=S56  
(4 X ) (ESCALA 1:40)



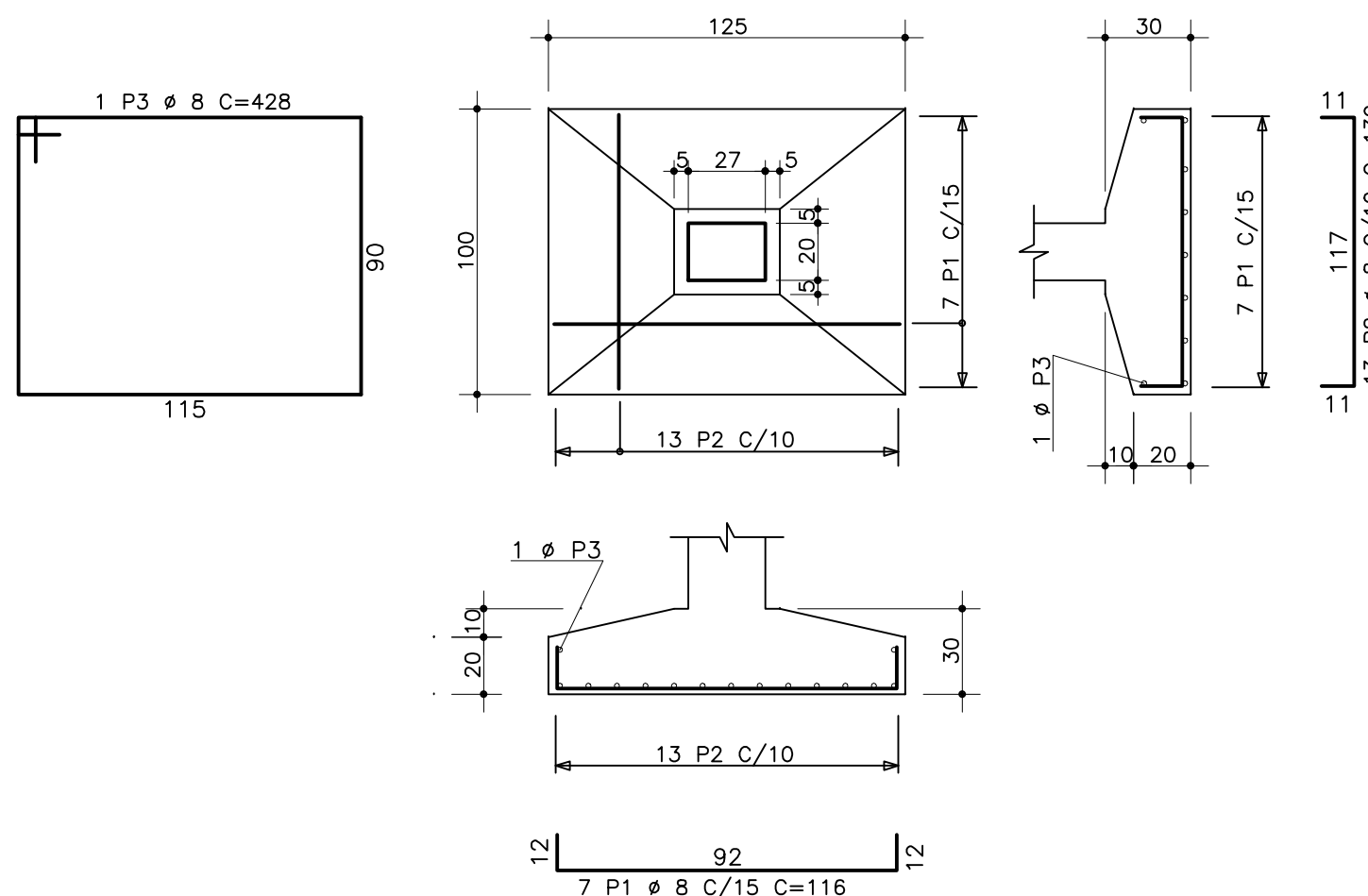
SB3  
(ESCALA 1:25)



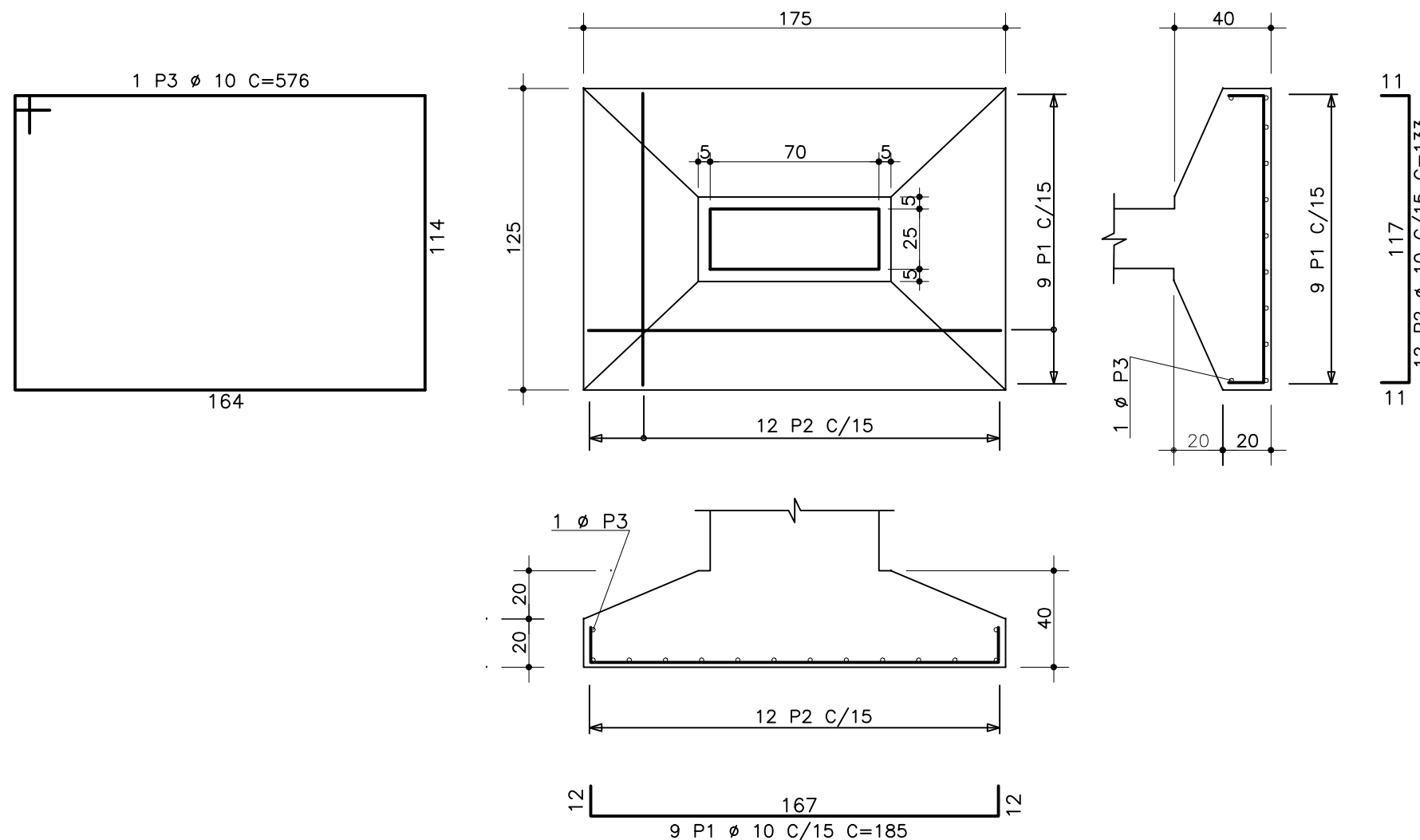
S15aS24=S46a55  
(20 X ) (ESCALA 1:40)



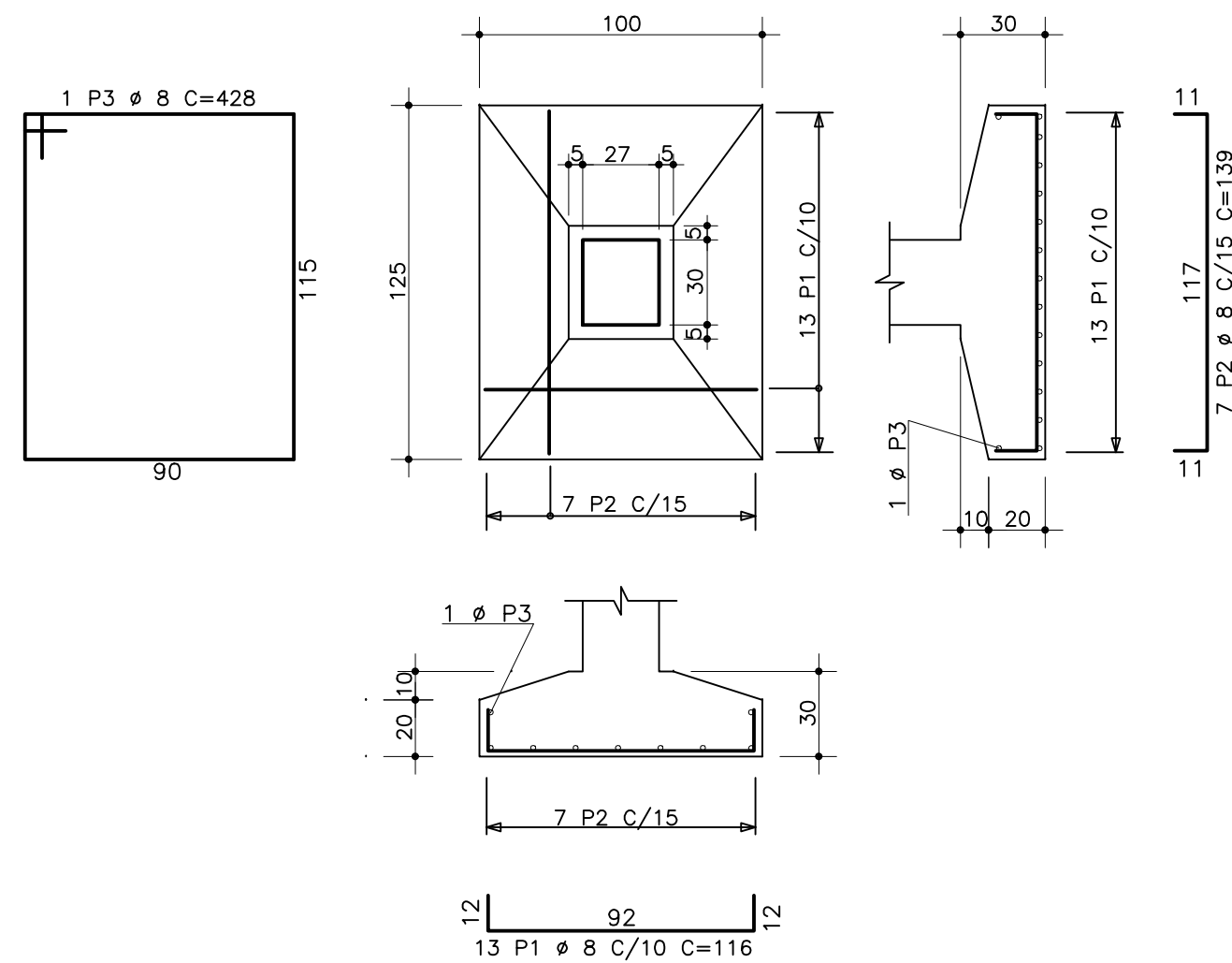
S14=S25=S27=S28=S41a544  
(8 X ) (ESCALA 1:25)



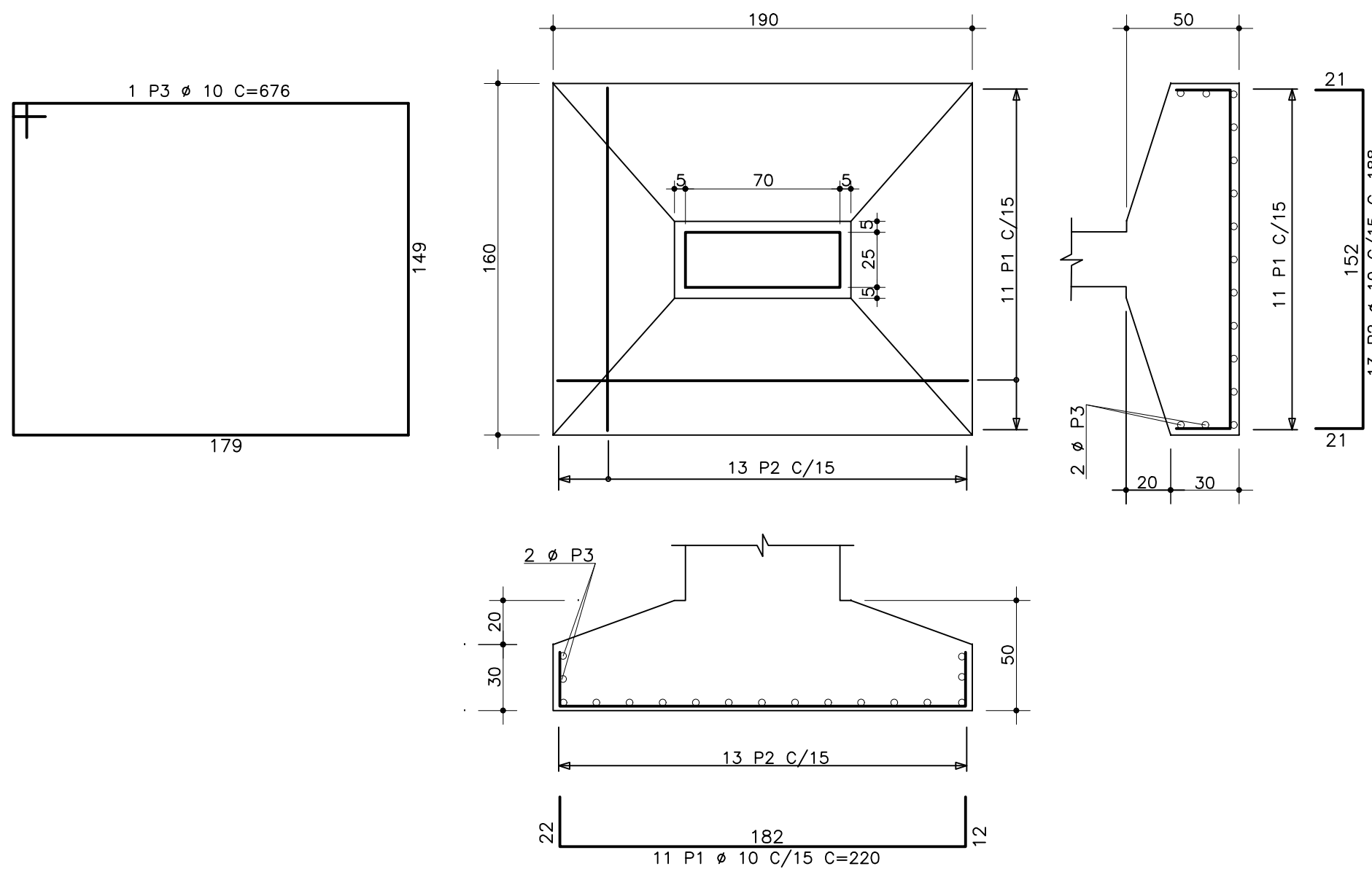
S29=S30=S39=S40  
(4 X ) (ESCALA 1:25)



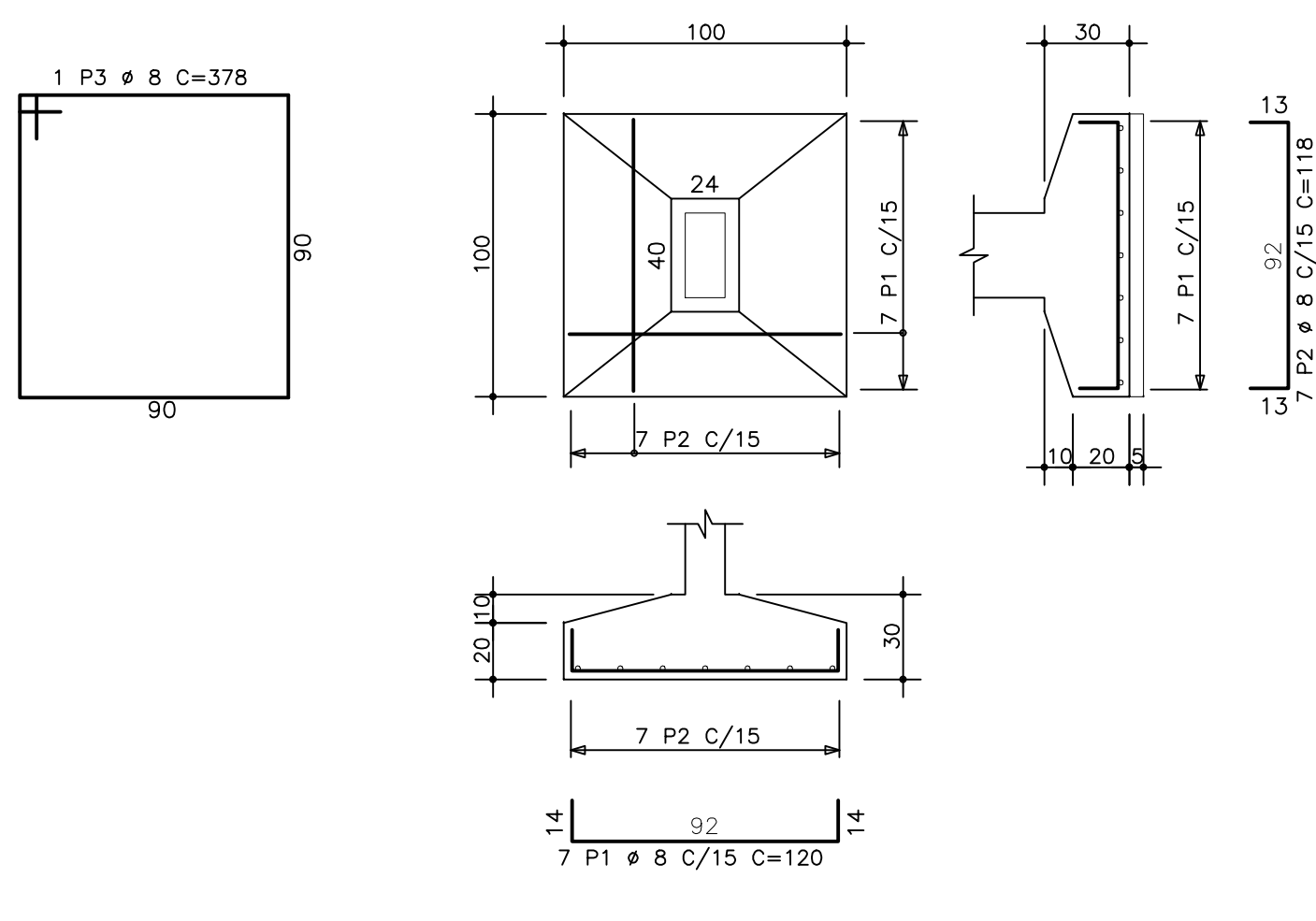
S69 a S84  
(16 X ) (ESCALA 1:25)



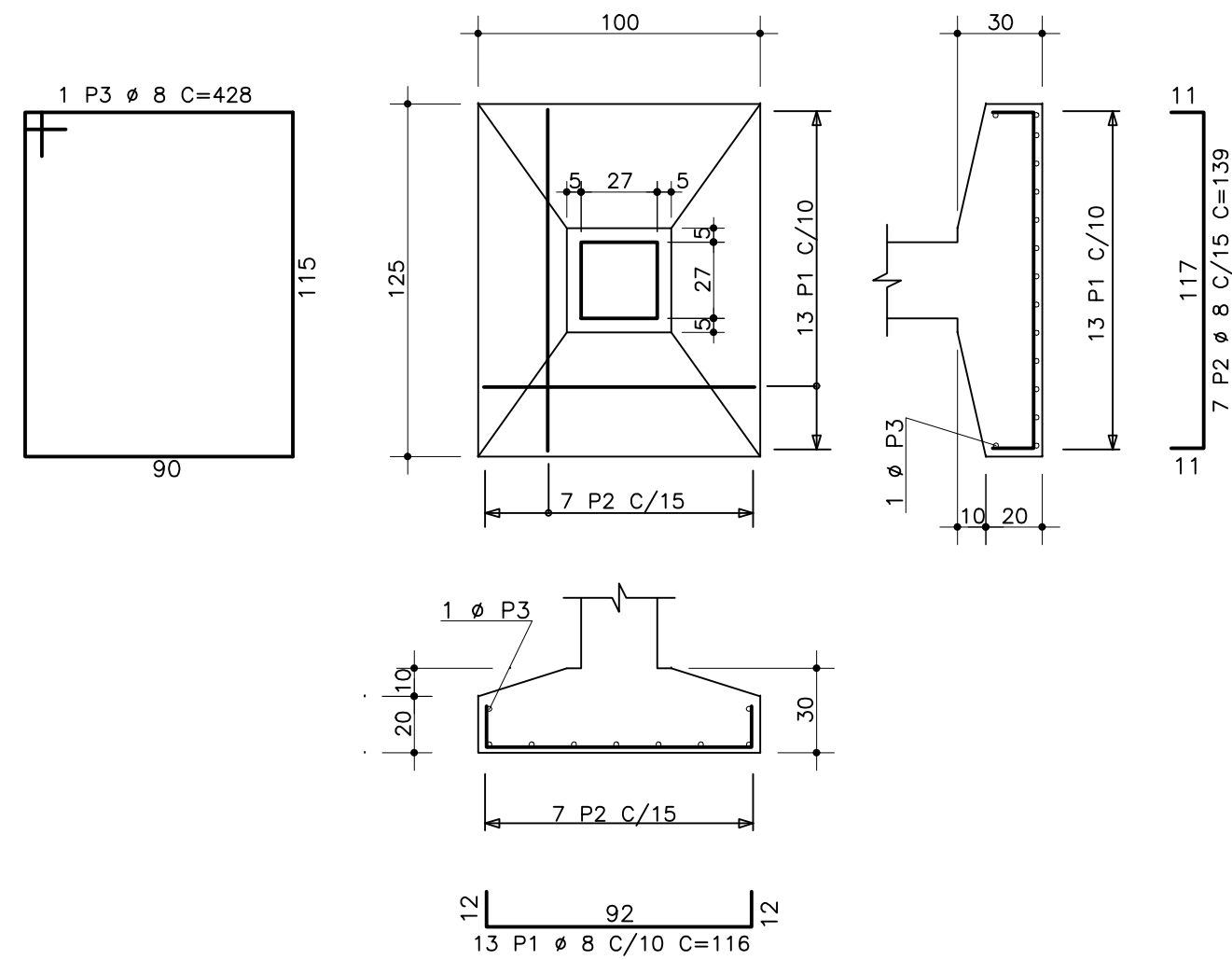
S31a538  
(8 X ) (ESCALA 1:25)



SB1=SB2=SB4=SB5=SG1aSG10  
(14 X ) (ESCALA 1:25)



SM1aSM26  
(26 X ) (ESCALA 1:25)



AÇO	POS	BIT (mm)	QUANT	COMPIMENTO UNIT (cm)	TOTAL (cm)
S1aS12=S57a68	(X24)				
50	1	8	312	116	36192
50	2	8	168	139	23352
50	3	8	24	428	10272
SB1=SB2=SB4=SB5=SG1aSG10	(X14)				
50	1	8	98	120	11760
50	2	8	98	118	11564
50	3	8	14	378	5292
SB3					
50	1	10	16	120	1920
50	2	8	7	218	1526
50	3	8	1	578	578
S13=S26=S45=S56	(X4)				
50	1	12.5	88	168	14784
50	2	10	40	327	13080
50	3	10	8	876	7008
S15aS24=S46a55	(X20)				
50	1	16	480	176	84480
50	2	12.5	200	356	71200
50	3	10	40	976	39040
S14=S25=S27=S28=S41a544	(X8)				
50	1	8	56	116	6496
50	2	8	104	139	14456
50	3	8	16	428	3424
S29=S30=S39=S40	(X4)				
50	1	10	36	185	6660
50	2	10	48	133	6384
50	3	10	4	576	2304
S31a538	(X8)				
50	1	10	88	220	19360
50	2	10	104	188	19552
50	3	10	8	676	5408
S69 a S84	(X16)				
50	1	8	208	116	24128
50	2	8	112	139	15568
50	3	8	16	428	6848
SM1aSM26	(X26)				
50	1	8	338	116	39208
50	2	8	182	139	25298
50	3	8	26	428	11128

RESUMO AÇO CA 50-60			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
50	8	2471	976
50	10	1207	745
50	12.5	860	829
50	16	845	1133
Peso Total	50	=	3882 kg

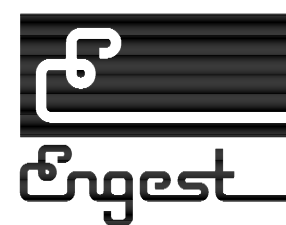
DETALHE DE DOBRAMENTO DOS FERROS	Ø	RAIO (cm)	DESCONTO(cm)
	10.0	7.5	3.0
	12.5	9.3	4.0
	16.0	12.0	5.0
	20.0	15.0	6.0
	25.0	18.5	8.0

01	INCLUSÃO DAS SAPATAS S69 A S84	Darleyson Lucena	14/03/18	Italo Schmitz
REVISÃO	DESCRIÇÃO	SOLICITADO	DATA	RESPONSÁVEL

**TAUFIG ASFURA**  
CREA 1086 - PE/RN

**GAMAL ASFURA**  
CREA 16973 - PE/RN

**ÍTALO B. SCHMITZ**  
CREA 45.442 - PE

  
engenharia estrutural ltda.

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)
LIMOEIRO - PE.			
01/2017	RESP. TÉCNICO	CA- 50	ESCALA
	GAMAL ASFURA	fck > 35 MPa	Indicada
	PROJETO	CONCRETO	DATA
	ESTRUTURAL	ARQUIVO	REVISÃO
FUNDAÇÃO - ARMAÇÃO DAS SAPATAS			P