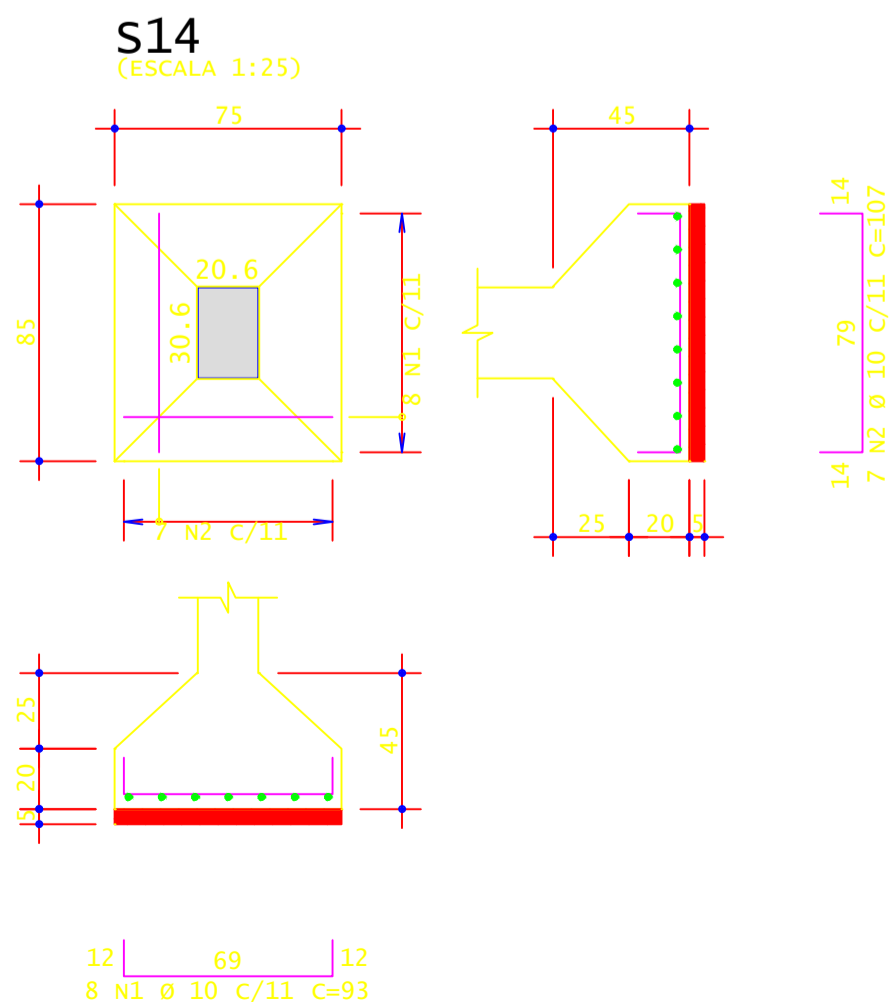
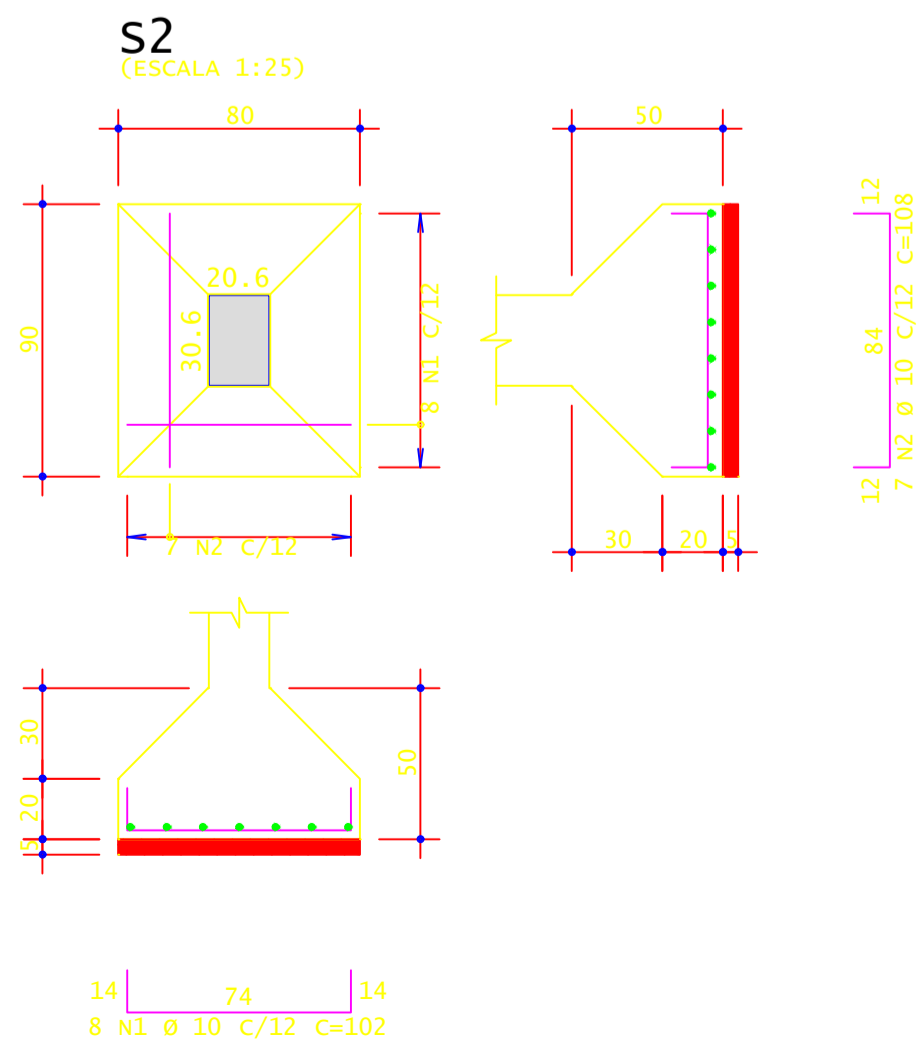
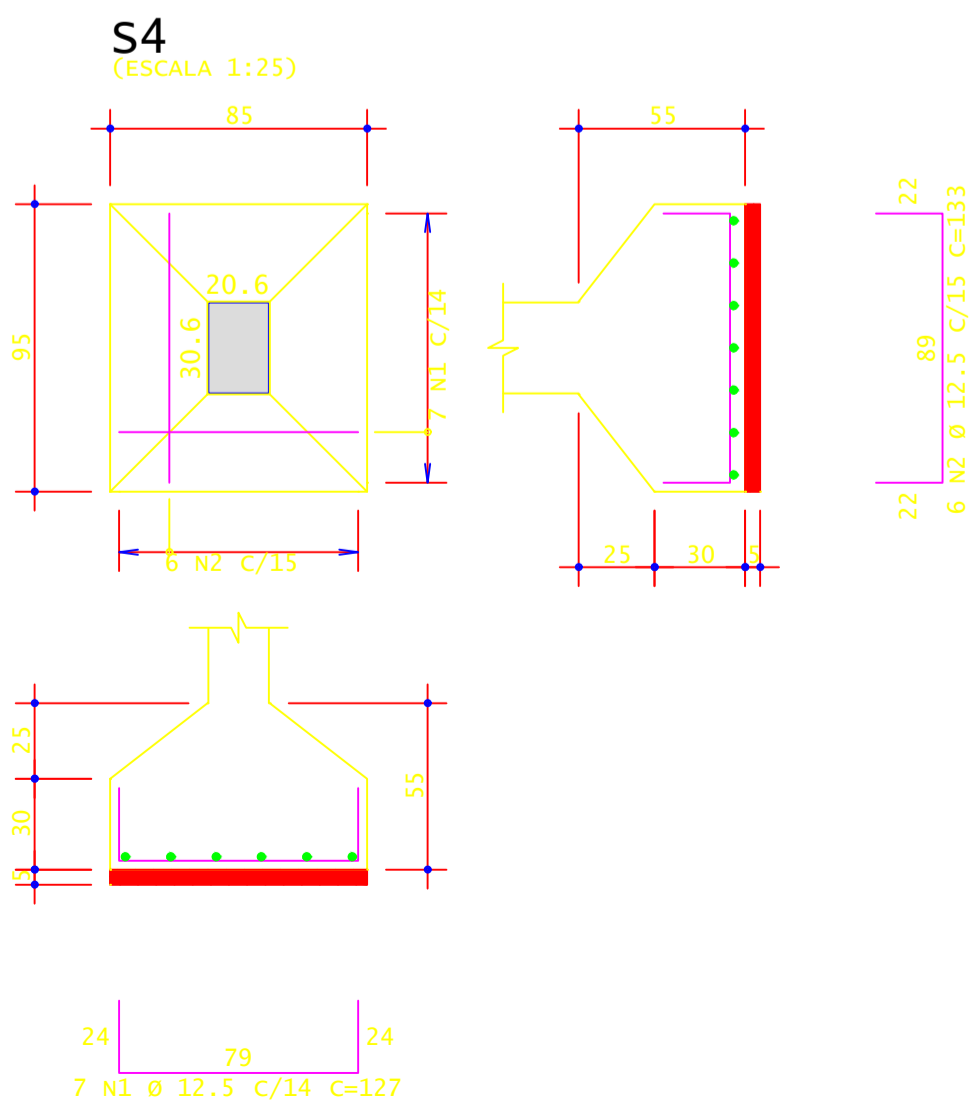
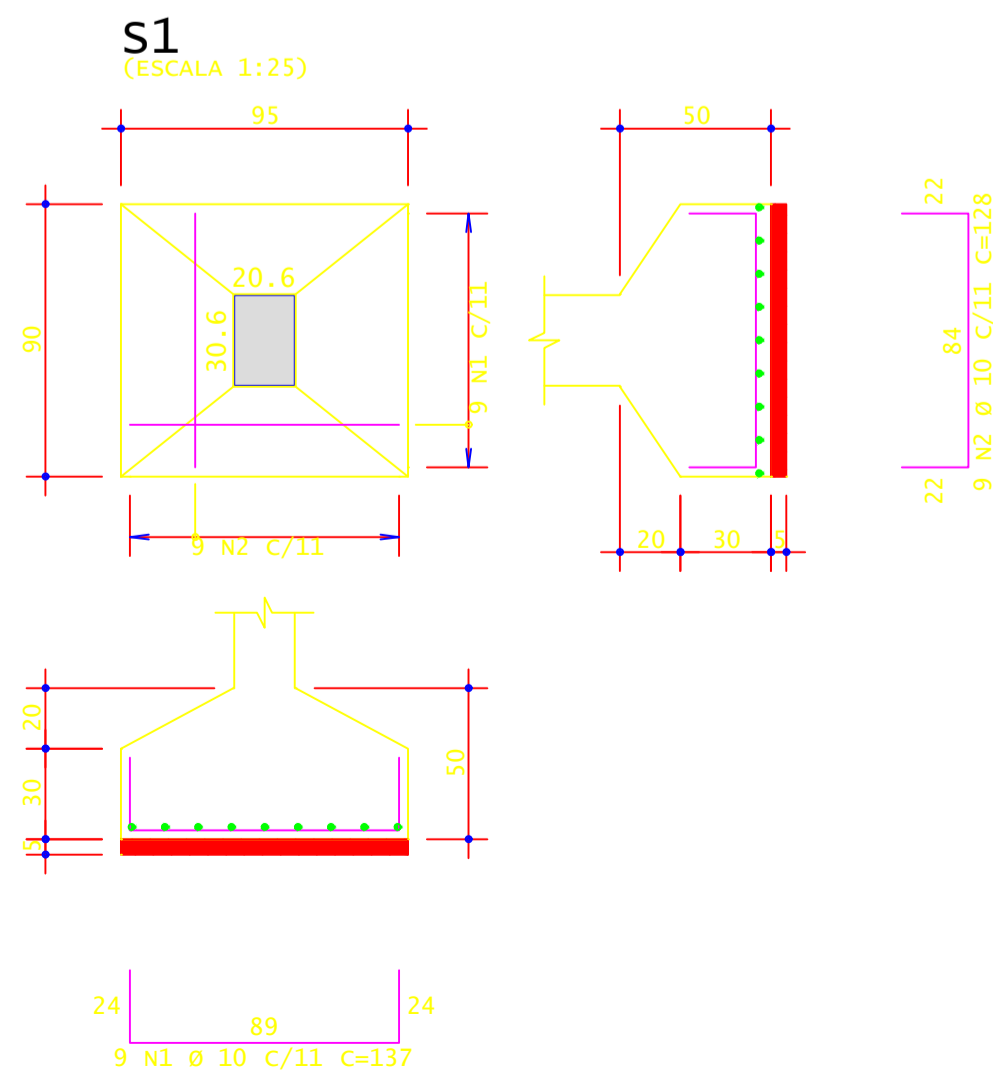
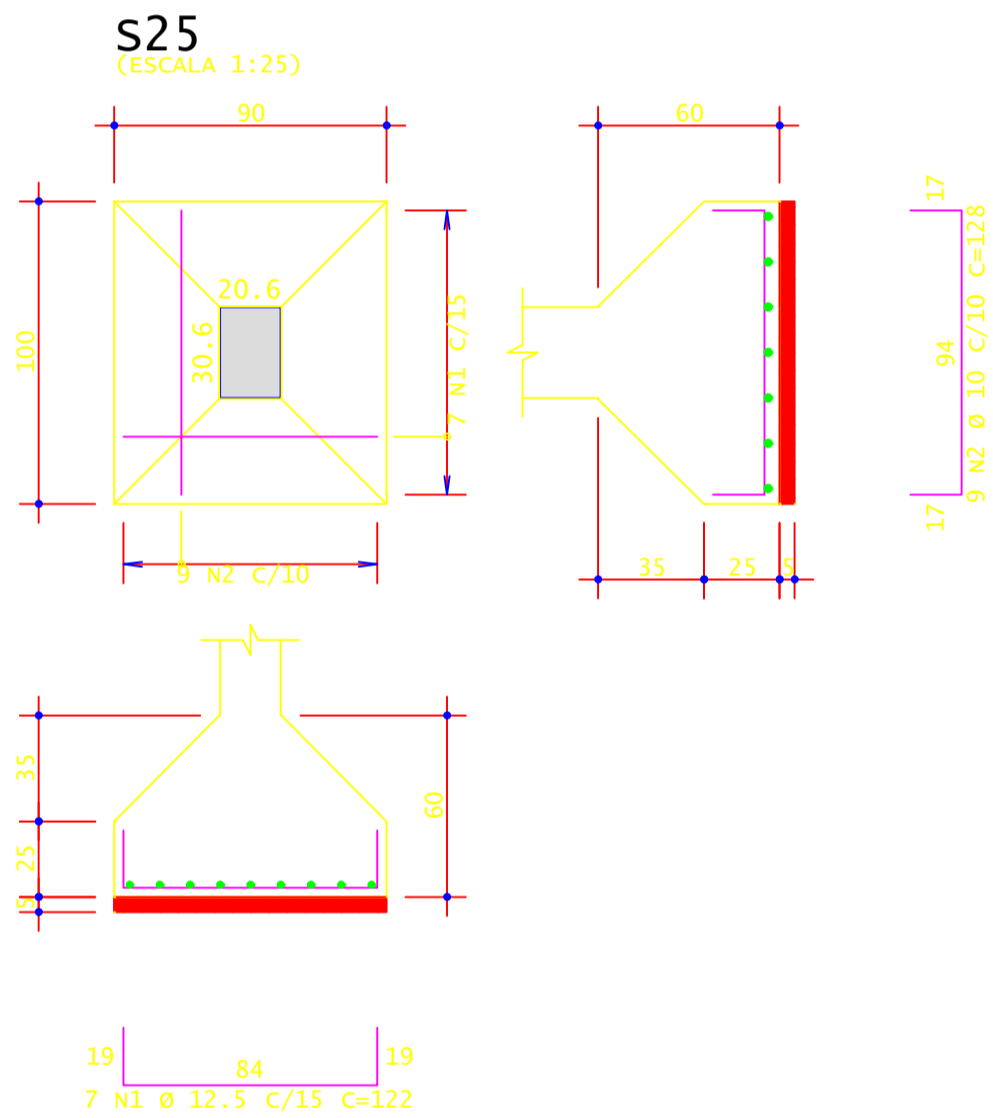
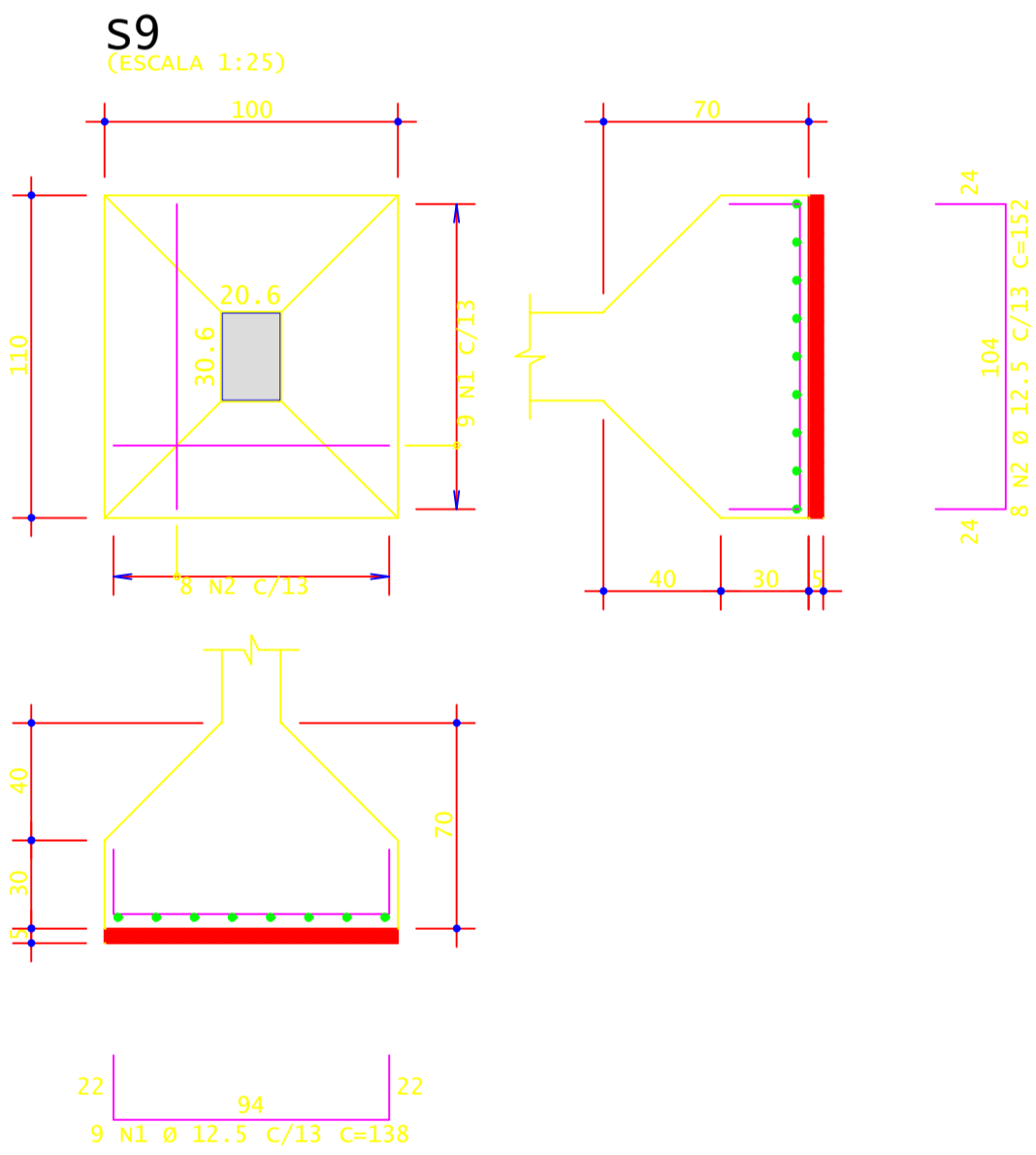
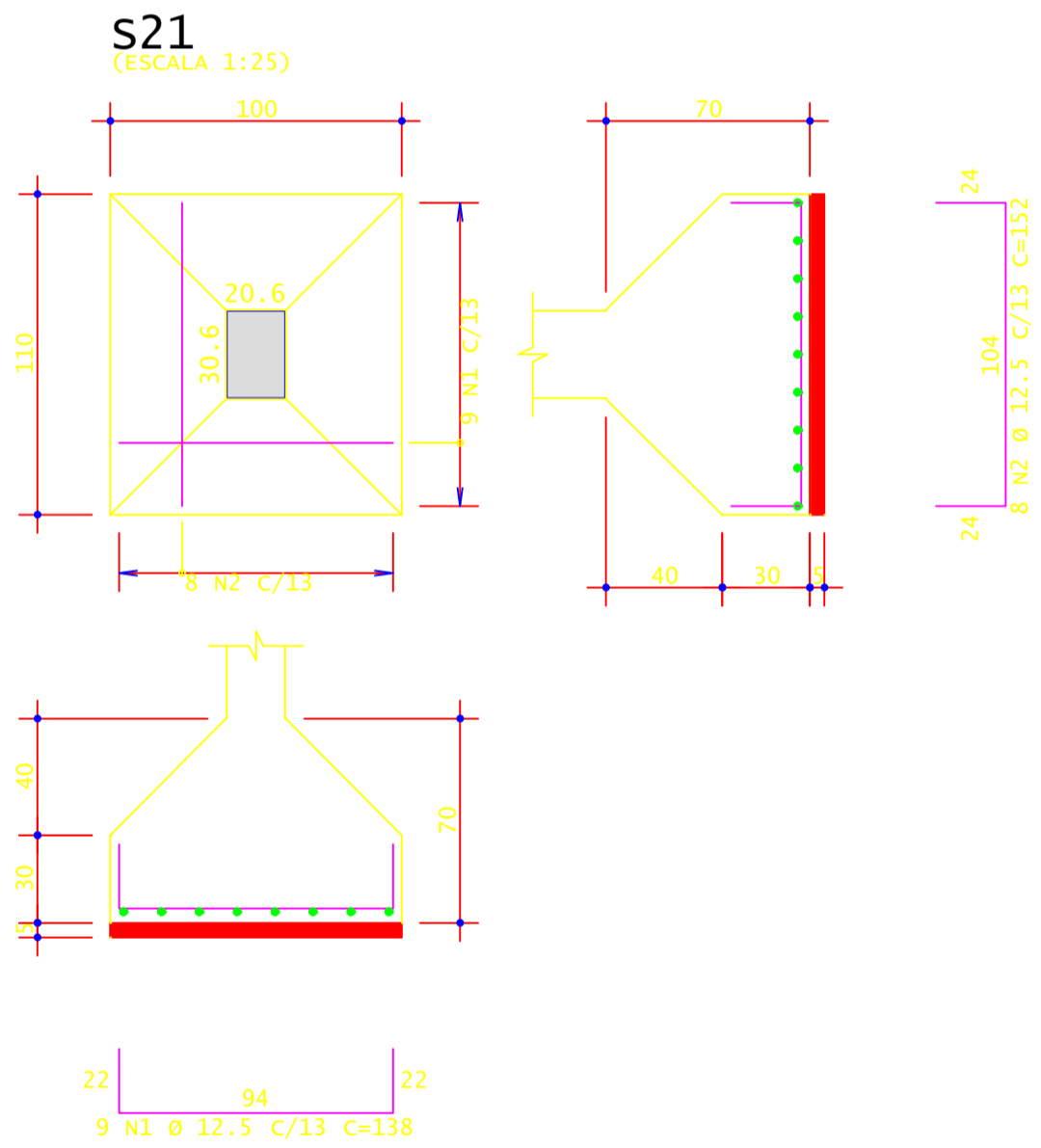
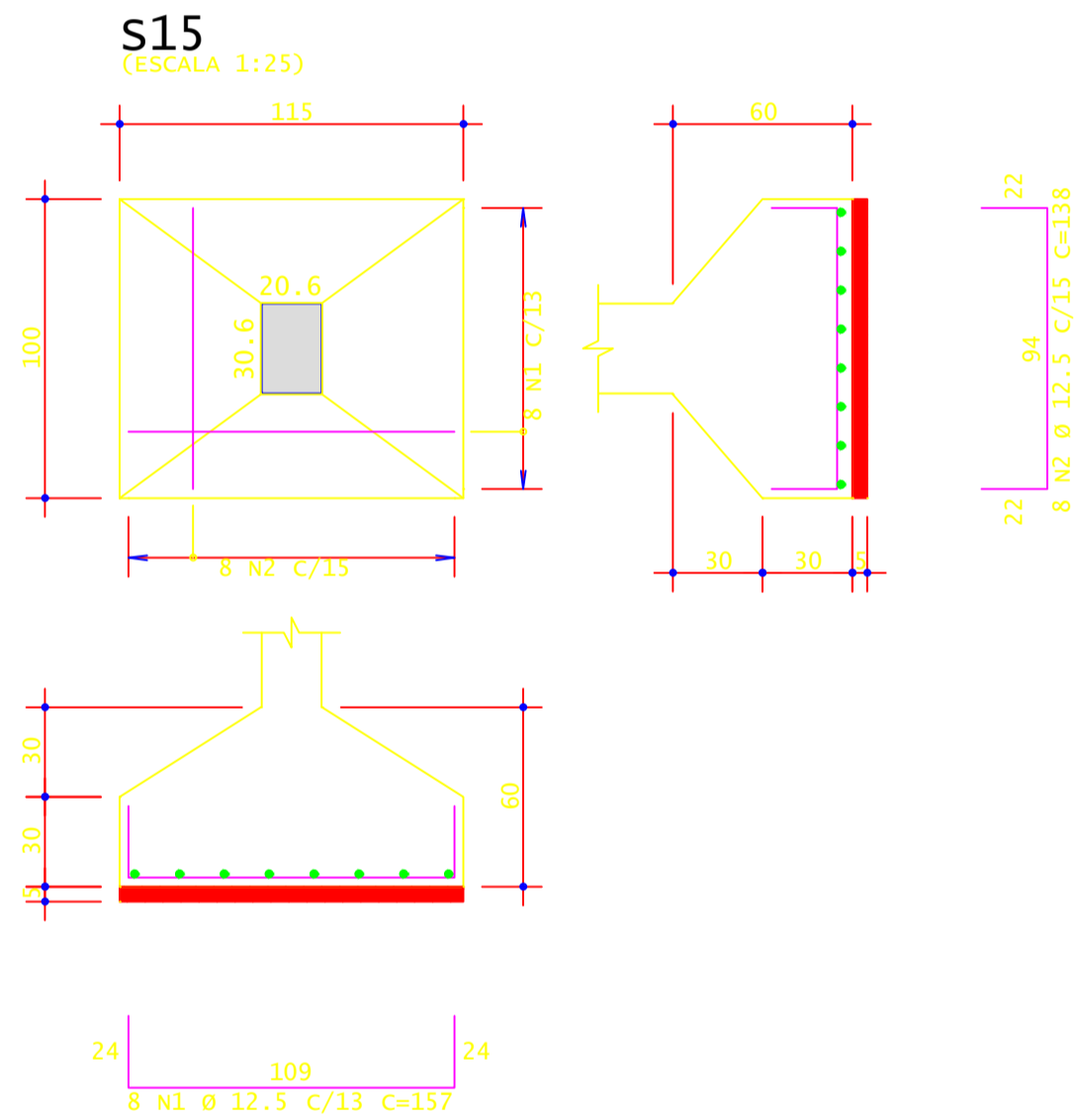


AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	TOTAL (cm)
S1	50A	1	10	9	137
S1	50A	2	10	9	128
S2	50A	1	10	8	102
S2	50A	2	10	7	108
S4	50A	1	12.5	7	127
S4	50A	2	12.5	6	133
S9	50A	1	12.5	9	138
S9	50A	2	12.5	8	152
S10	50A	1	12.5	13	148
S10	50A	2	12.5	8	227
S14	50A	1	10	8	93
S14	50A	2	10	7	107
S15	50A	1	12.5	8	157
S15	50A	2	12.5	8	138
S21	50A	1	12.5	9	138
S21	50A	2	12.5	8	152
S22	50A	1	12.5	13	148
S22	50A	2	12.5	8	217
S23	50A	1	12.5	9	252
S23	50A	2	12.5	15	148
S25	50A	1	12.5	7	122
S25	50A	2	10	9	128
S28	50A	1	12.5	10	172
S28	50A	2	12.5	10	158

RESUMO DE AÇO			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
50A	10	66	41
50A	12.5	250	241
Peso Total		50A =	282 kg

CONSUMO TOTAL DE CONCRETO	
Volume Total	= 9.1 m³

CONSUMO TOTAL DE FÔRMAS	
Área Total	= 25.3 m²



Prefeitura Municipal de Benjamin Constant
Secretaria Municipal de Obras e Urbanismo

APROVADO

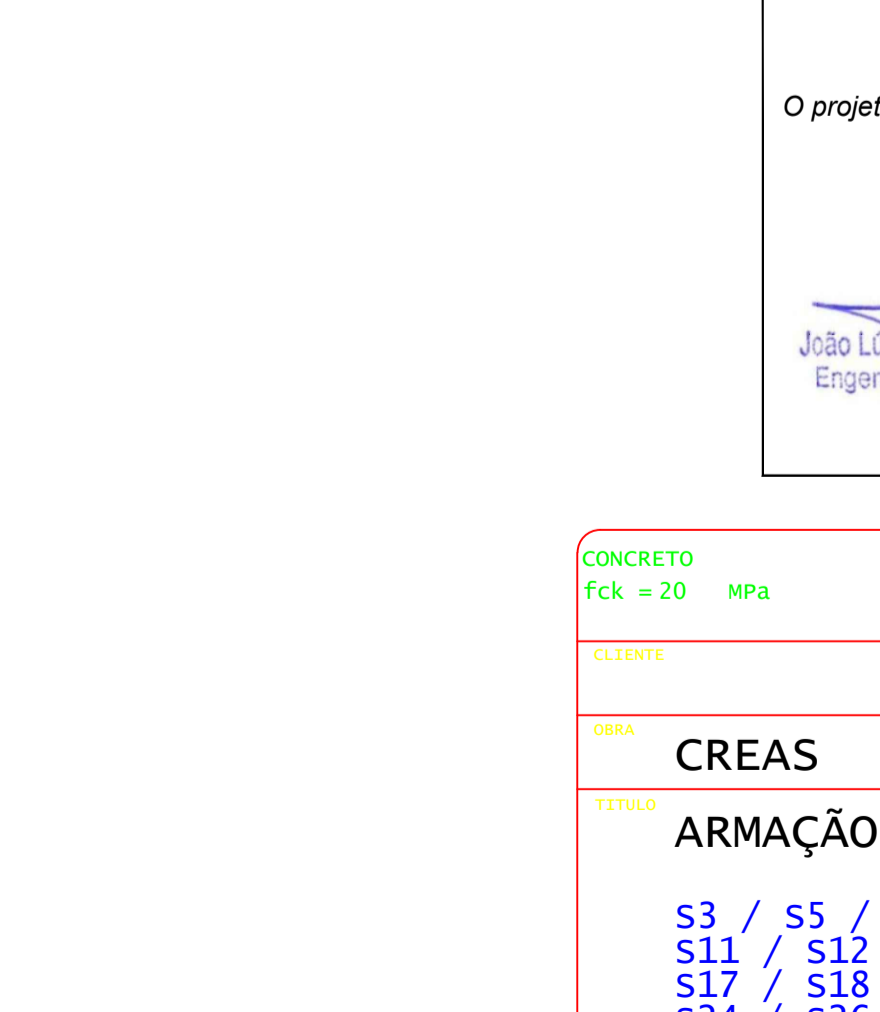
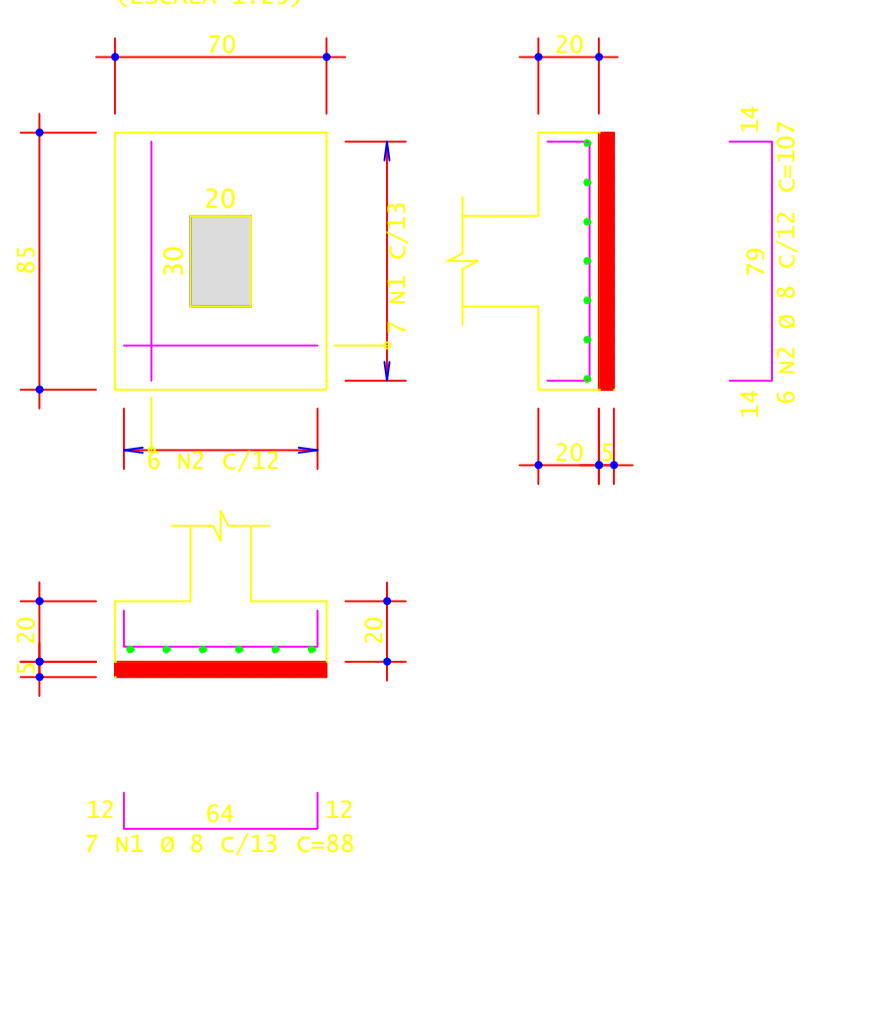
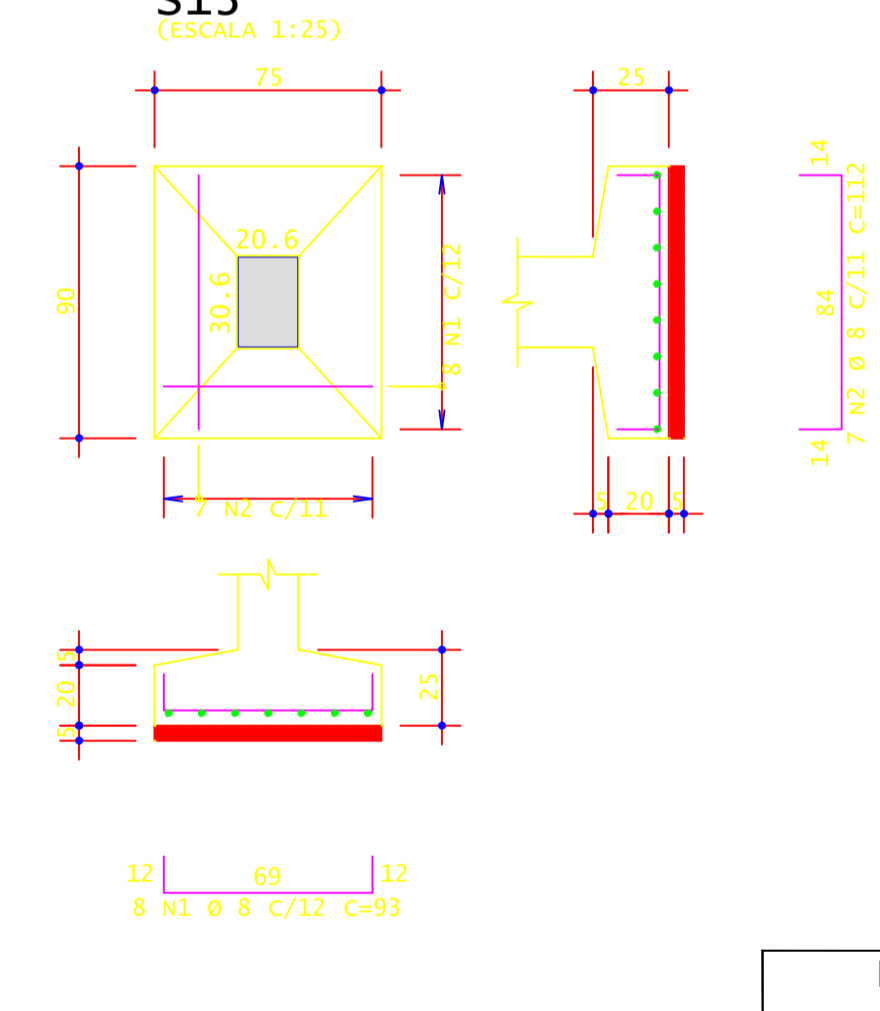
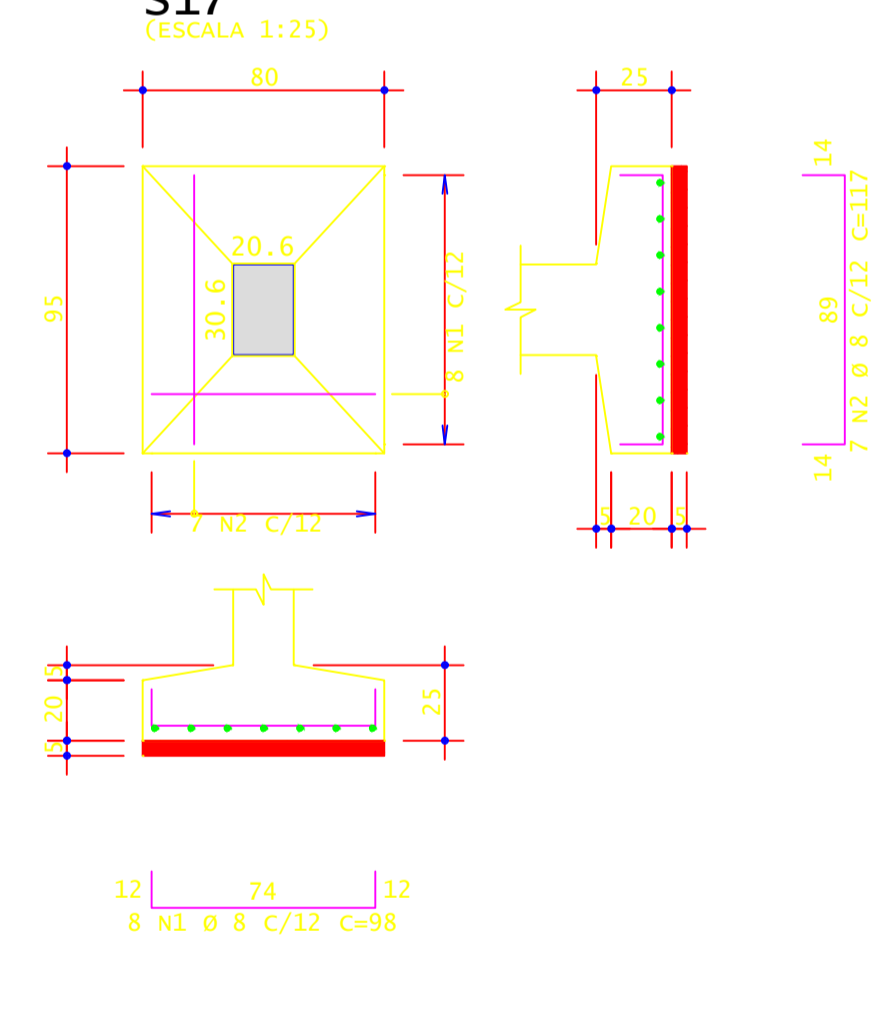
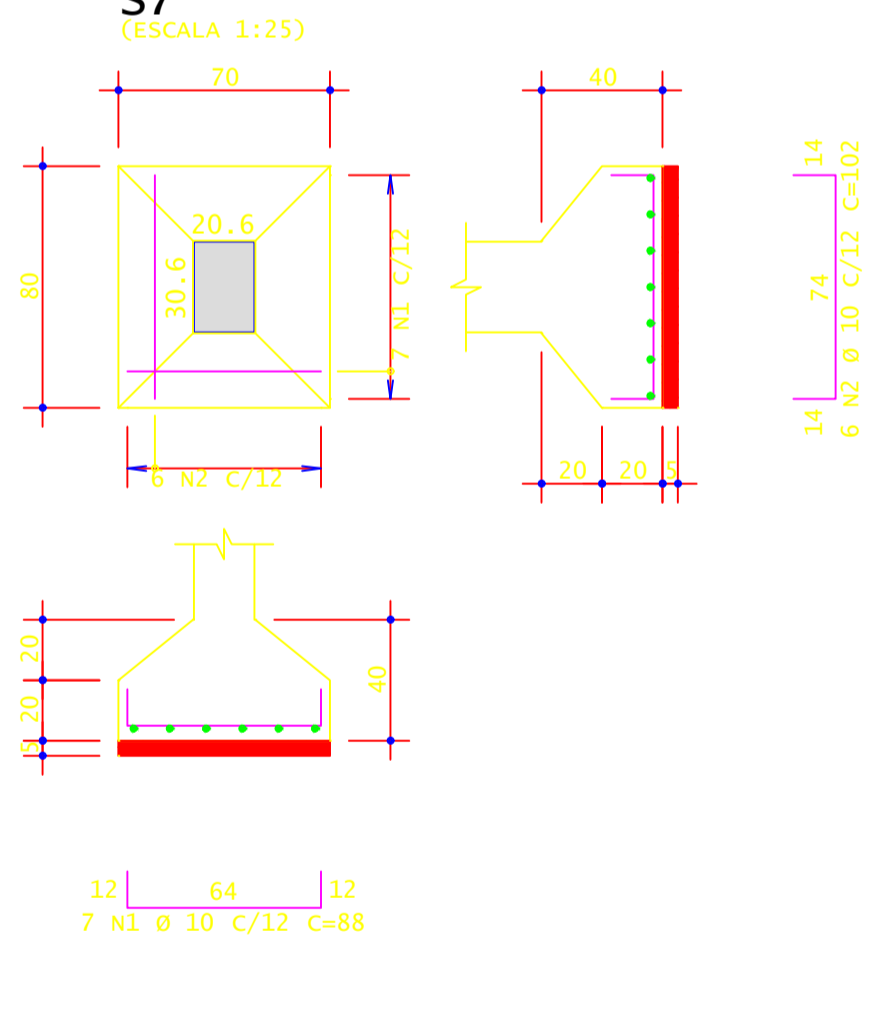
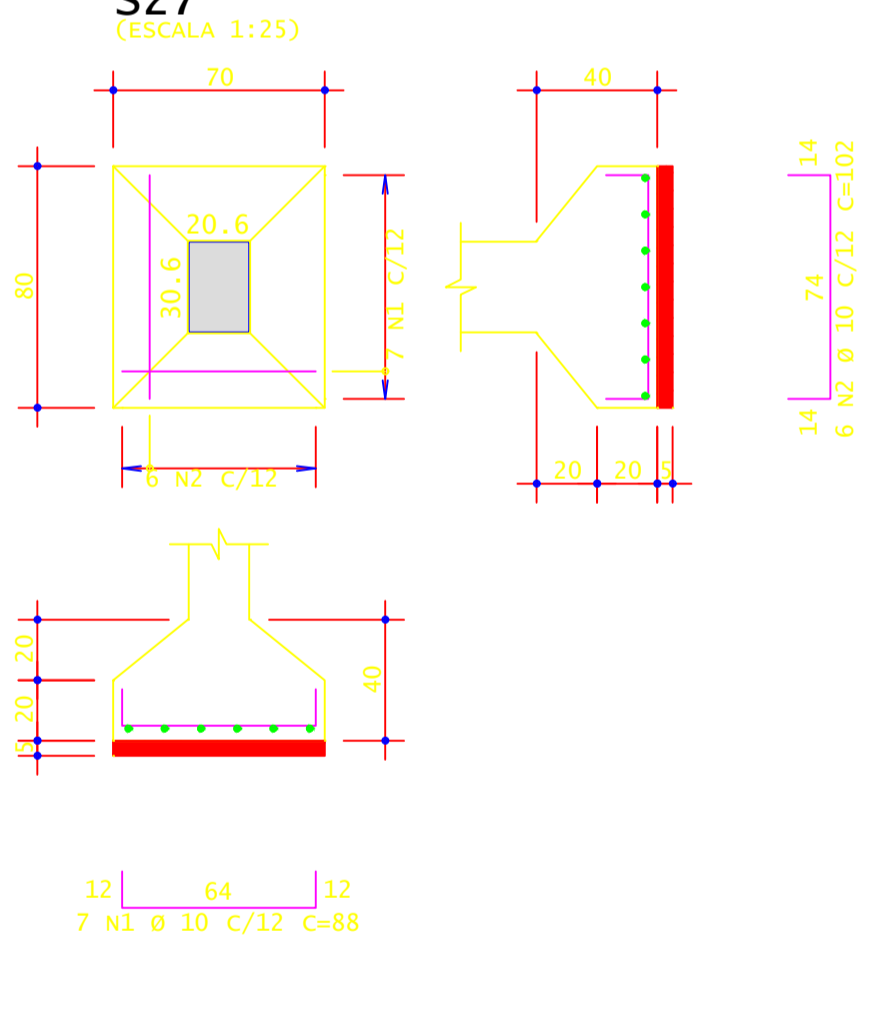
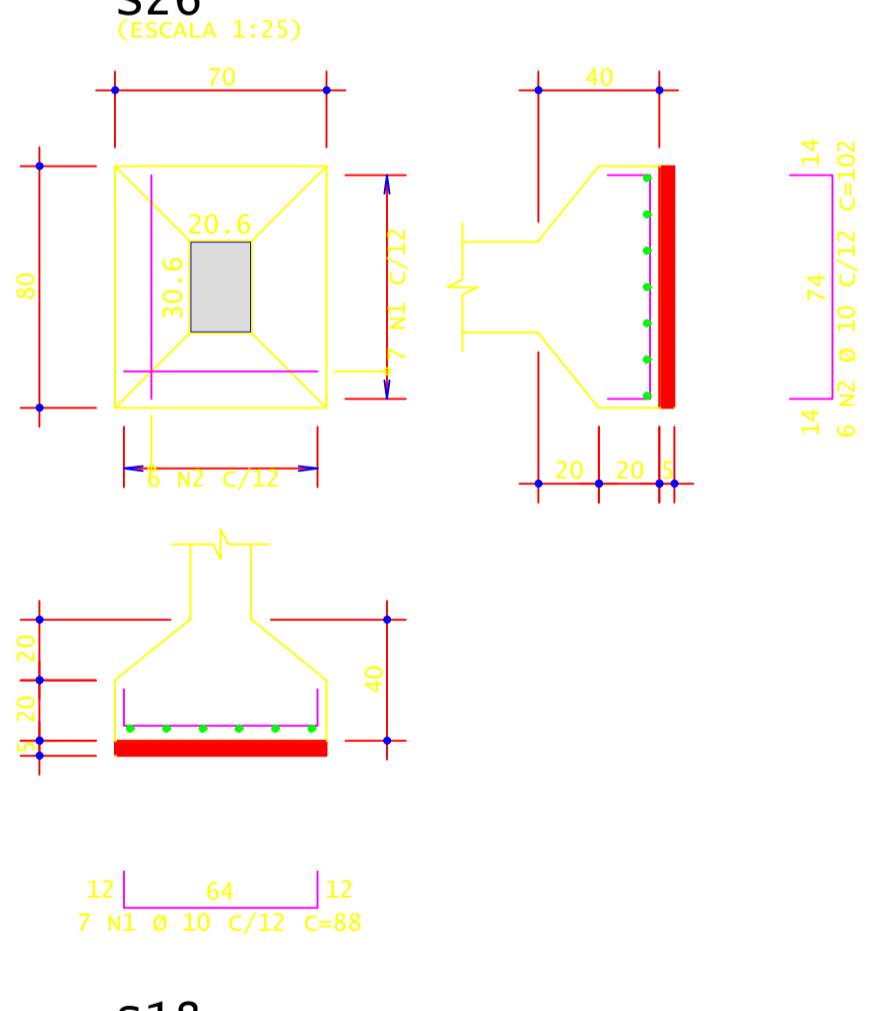
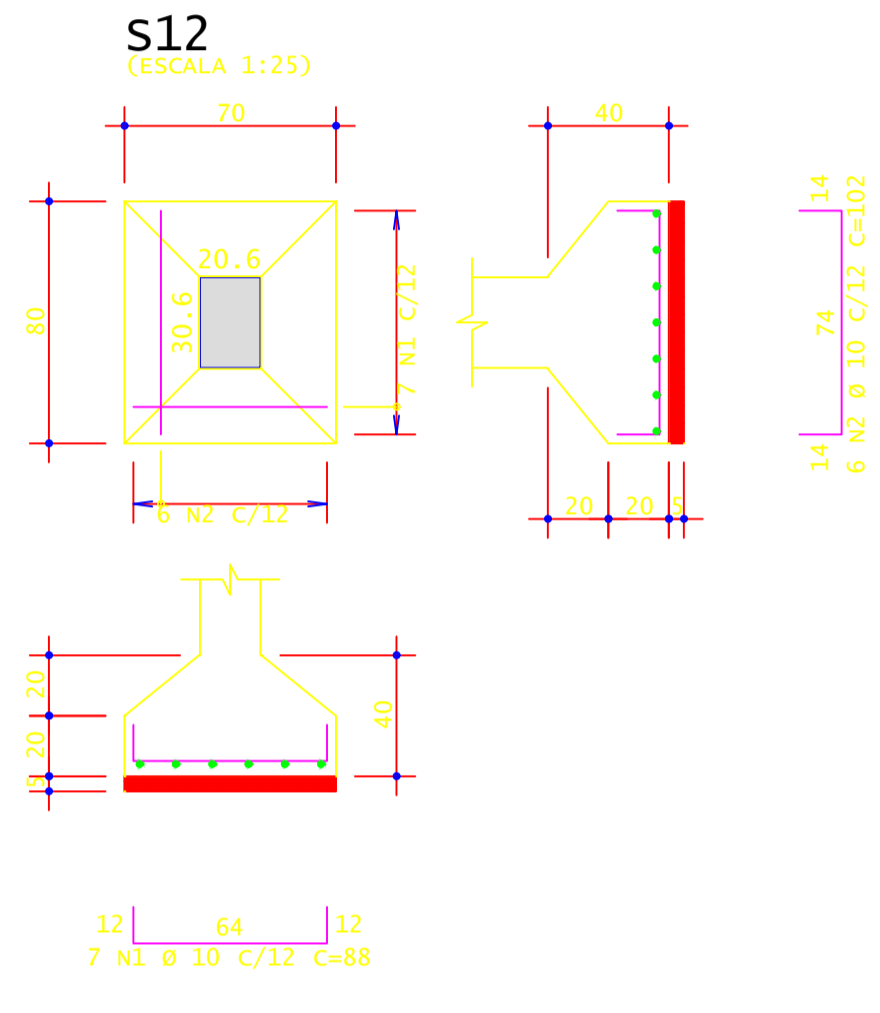
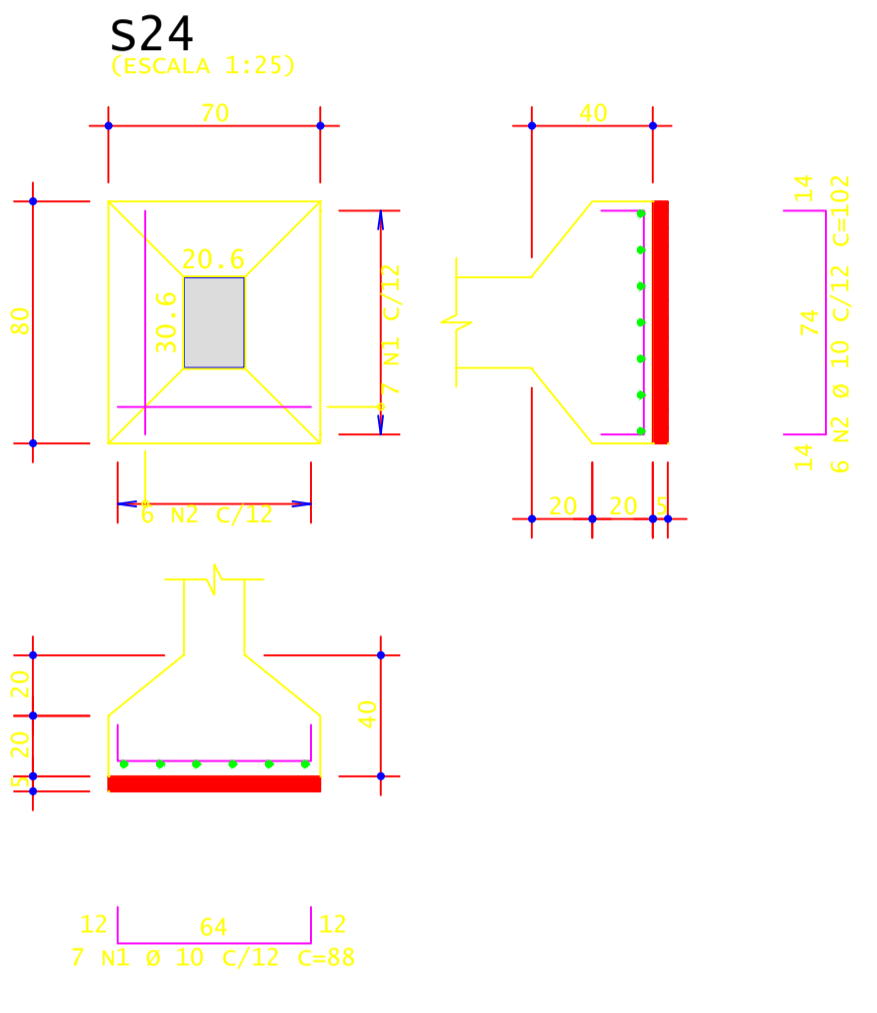
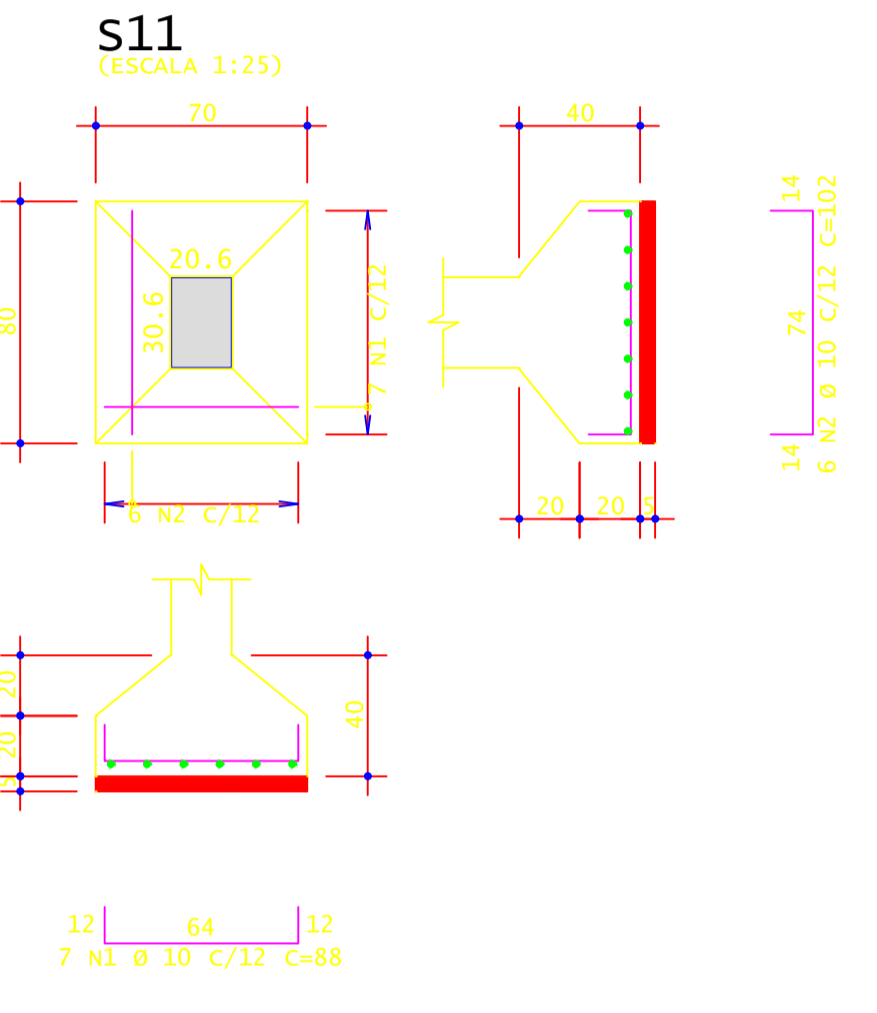
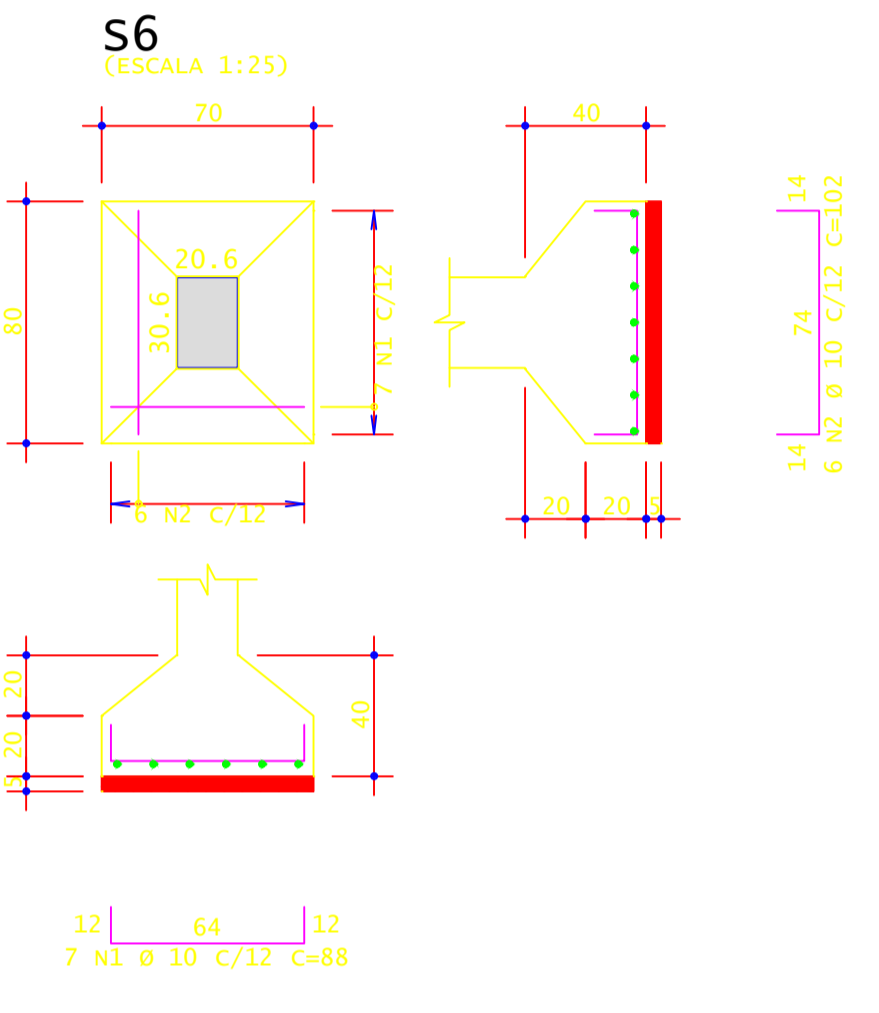
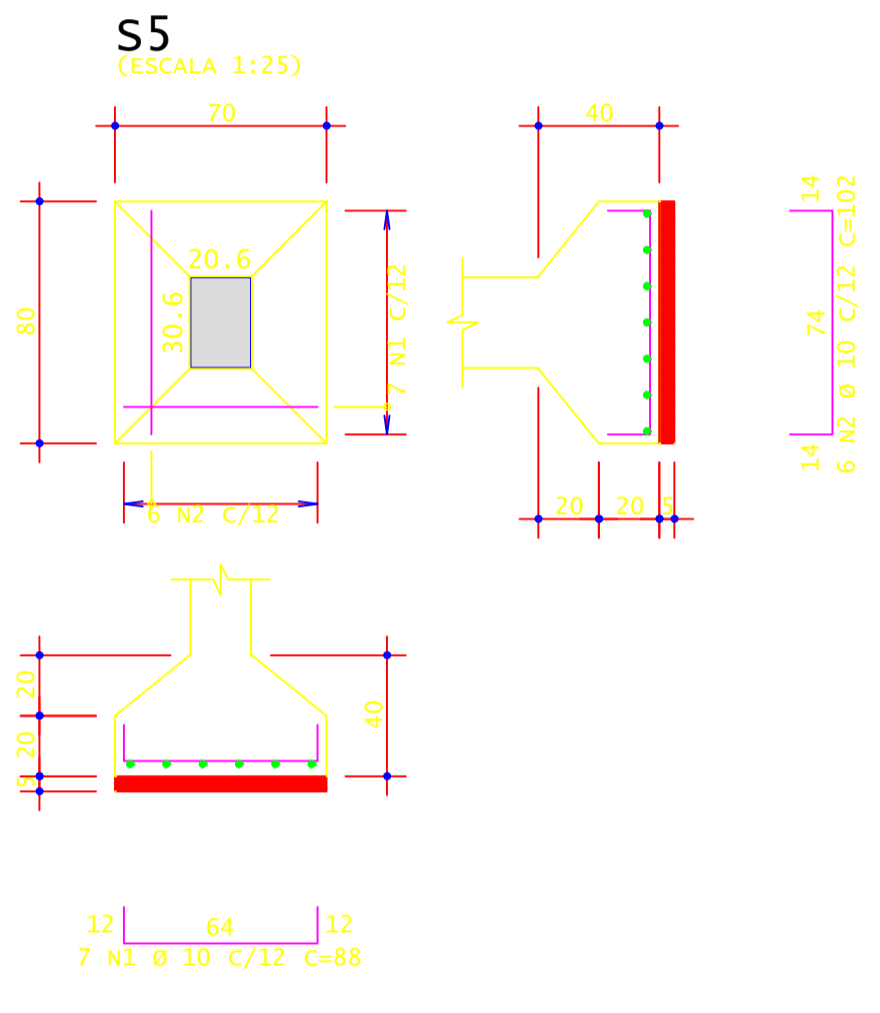
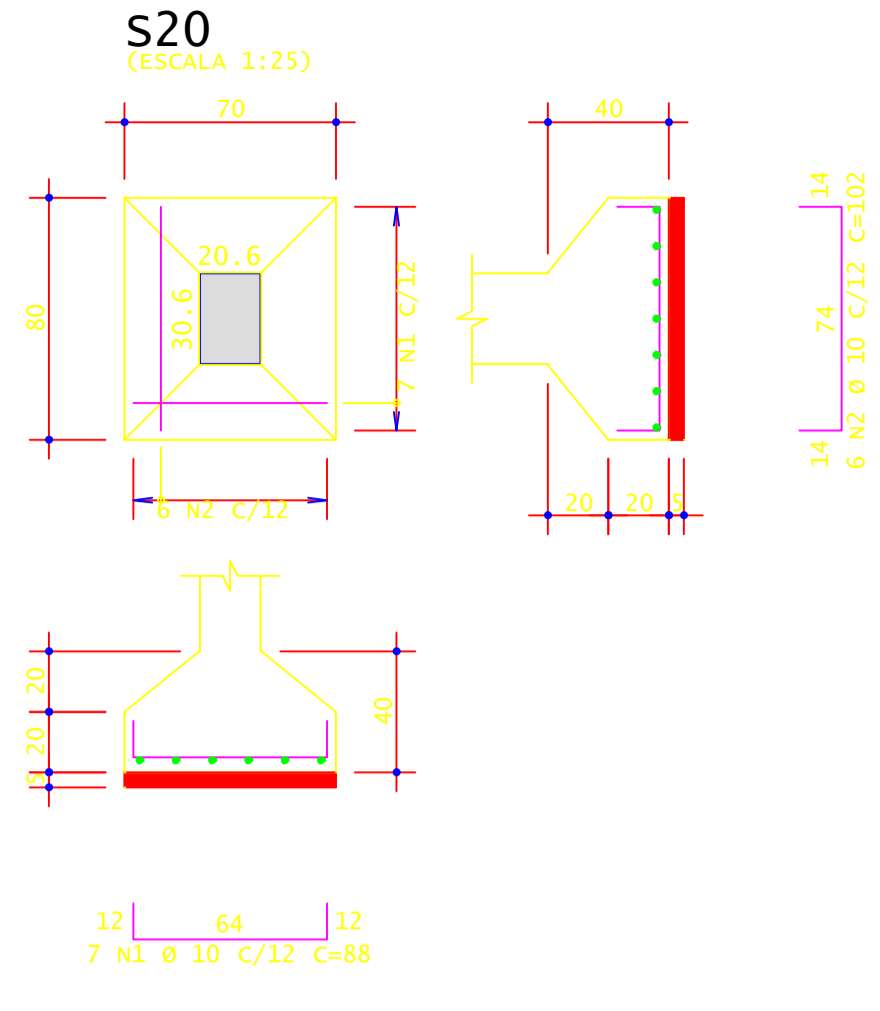
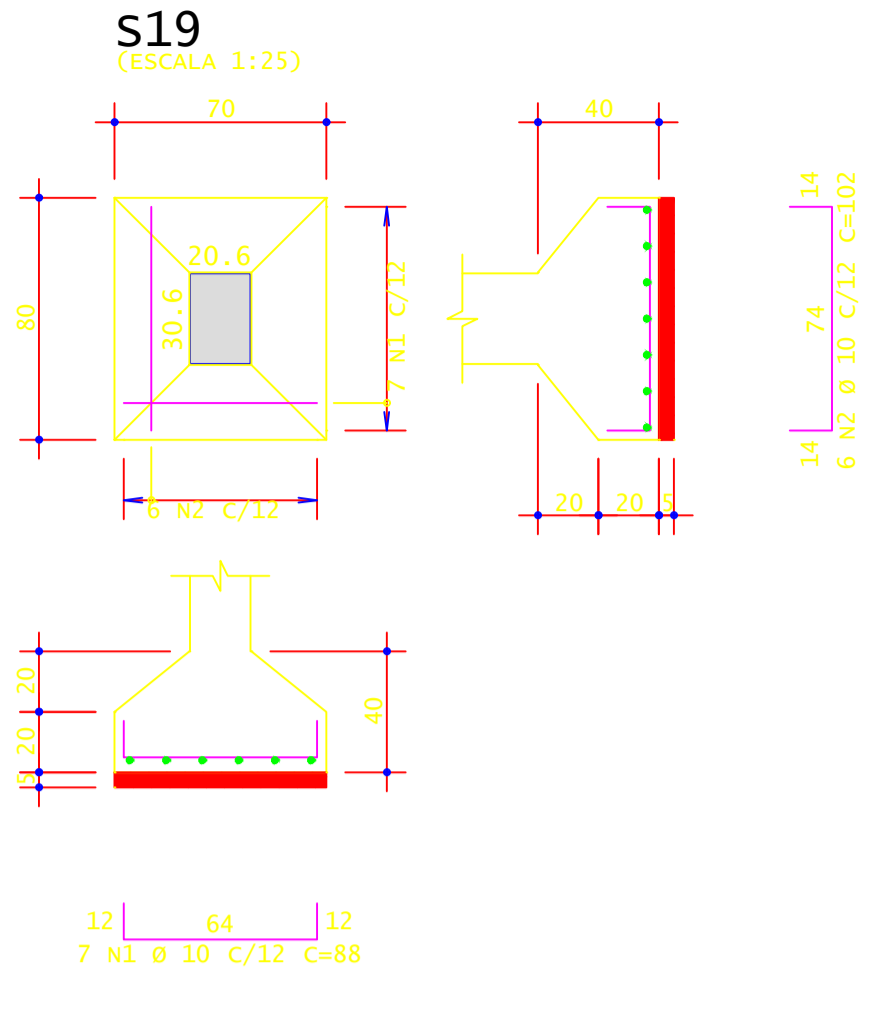
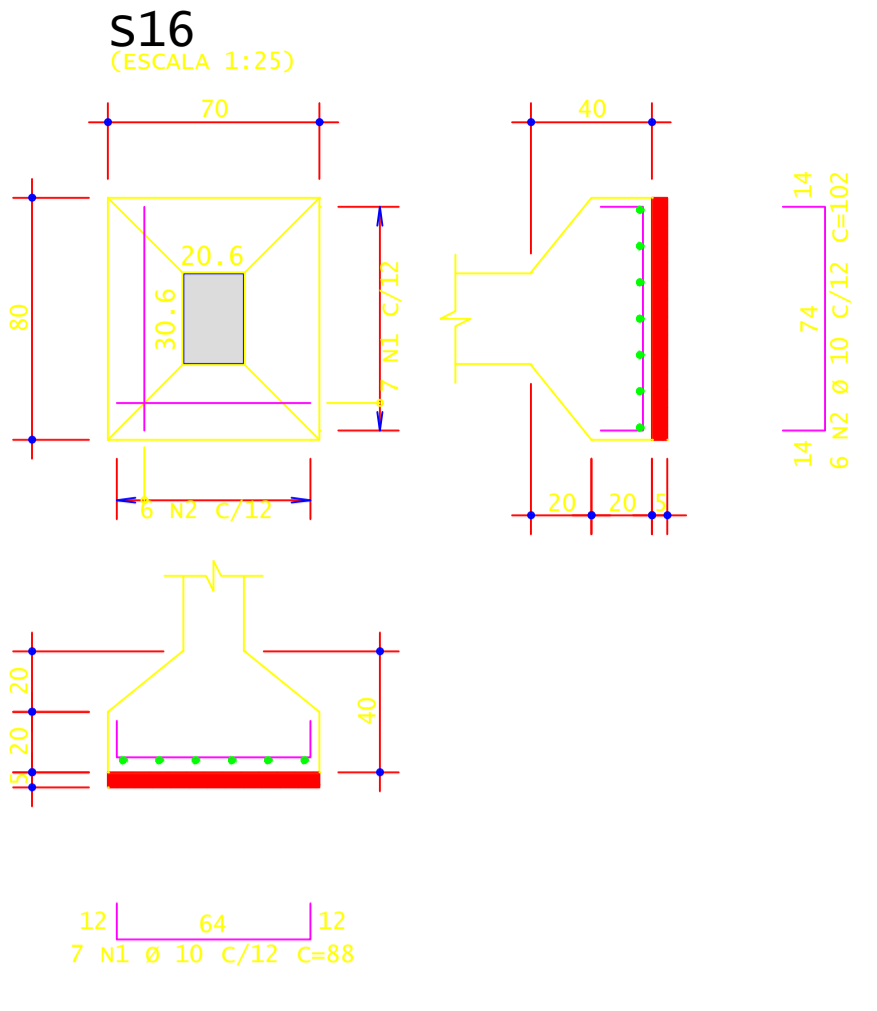
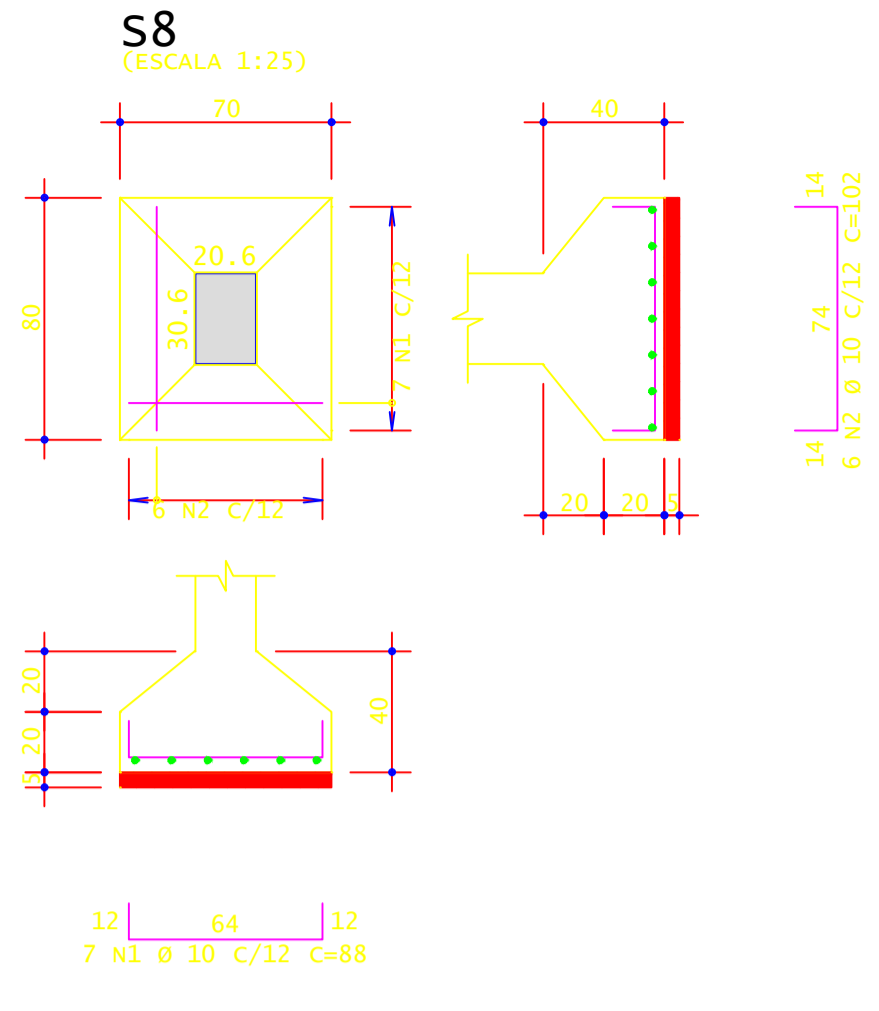
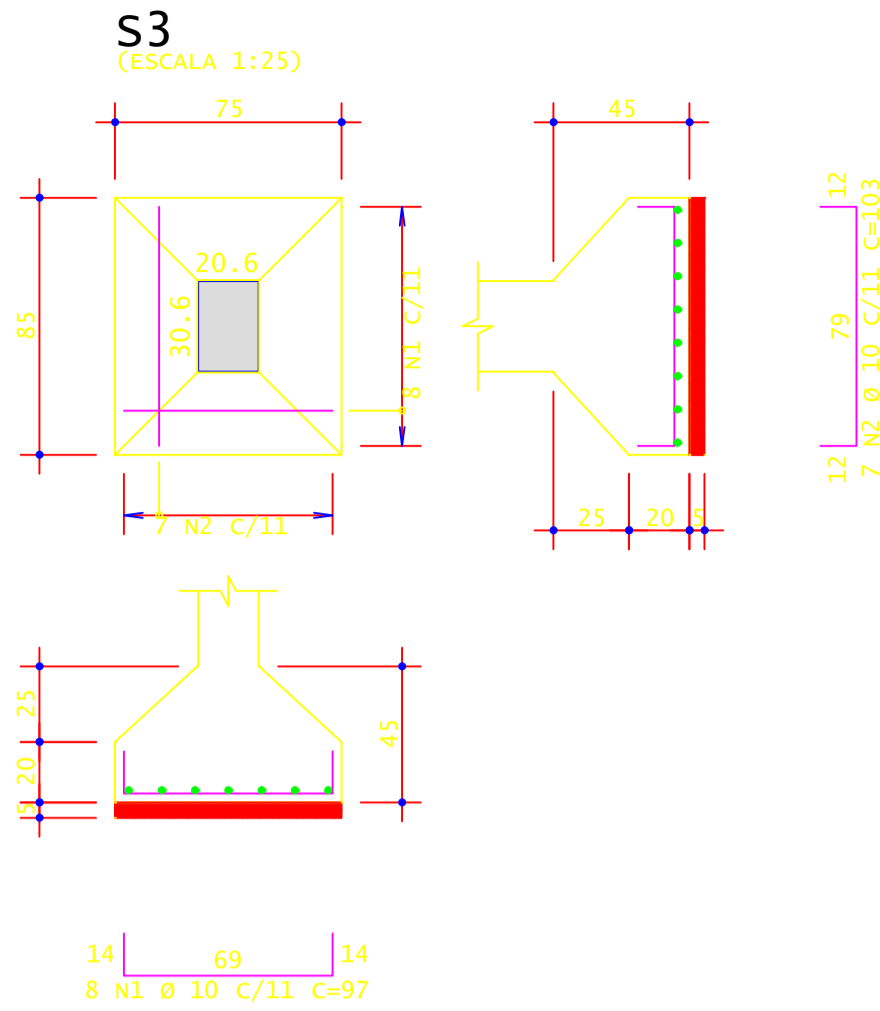
O projeto está em conformidade com as leis municipais e normas da ABNT.

Data: 12/06/2020

João Lúcio Gonçalves
Engenheiro Civil, Mecânico
CREA - 0765-D

Elias James Araújo do Carmo
Secretário Municipal de Obras e Urbanismo

CONCRETO fck = 20 MPa	0001
CLIENTE	DES. N.º
OBRA CREAS	001
TÍTULO ARMAÇÃO DAS SAPATAS	REV. N.º
S1 / S2 / S4 / S9 / S10 S14 / S15 / S21 / S22 S23 / S25 / S28	01
DATA: 03/05/2020	ESCALA: 1:25
DESENHO: CRE-FUN-FUN-001-RO1	COORD.:
ENG.º	



ACO	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	TOTAL (cm)
S3	50A	1	10	8	97
S3	50A	2	10	7	103
S5	50A	1	10	7	88
S5	50A	2	10	6	102
S6	50A	1	10	7	88
S6	50A	2	10	6	102
S7	50A	1	10	7	88
S7	50A	2	10	6	102
S8	50A	1	10	7	88
S8	50A	2	10	6	102
S11	50A	1	10	7	88
S11	50A	2	10	6	102
S12	50A	1	10	7	88
S12	50A	2	10	6	102
S13	50A	1	8	8	93
S13	50A	2	8	7	112
S16	50A	1	10	7	88
S16	50A	2	10	6	102
S17	50A	1	10	7	88
S17	50A	2	8	7	117
S18	50A	1	8	7	88
S18	50A	2	8	6	107
S19	50A	1	10	7	88
S19	50A	2	10	6	102
S20	50A	1	10	7	88
S20	50A	2	10	6	102
S24	50A	1	10	7	88
S24	50A	2	10	6	102
S26	50A	1	10	7	88
S26	50A	2	10	6	102
S27	50A	1	10	7	88
S27	50A	2	10	6	102

RESUMO DE AÇO			
ACO	BIT (mm)	COMPR (m)	PESO (kg)
50A	8	44	17
50A	10	162	100
Peso Total		50A =	117 kg

CONSUMO TOTAL DE CONCRETO	
Volume Total	= 9.1 m³

CONSUMO TOTAL DE FÔRMAS	
Área Total	= 25.3 m²

Prefeitura Municipal de Benjamin Constant
Secretaria Municipal de Obras e Urbanismo

APROVADO

O projeto está em conformidade com as leis municipais e normas da ABNT.

Data: 12/06/2020

João Lúcio de Aguiar Gonçalves
Engenheiro Civil
CREA-0755-D

Elias James Araújo de Carmo
Secretário Municipal de Obras e Urbanismo

CONCRETO fck = 20 MPa	OBRA N.º 0001
CLIENTE	DES. N.º 002
OBRA CREAS	REV. N.º 01
TÍTULO ARMAÇÃO DAS SAPATAS	ENG.º
DATA 03/05/2020	ESCALA 1:25
DESENHO CRE-FUN-FUN-002-RO1	COORD.