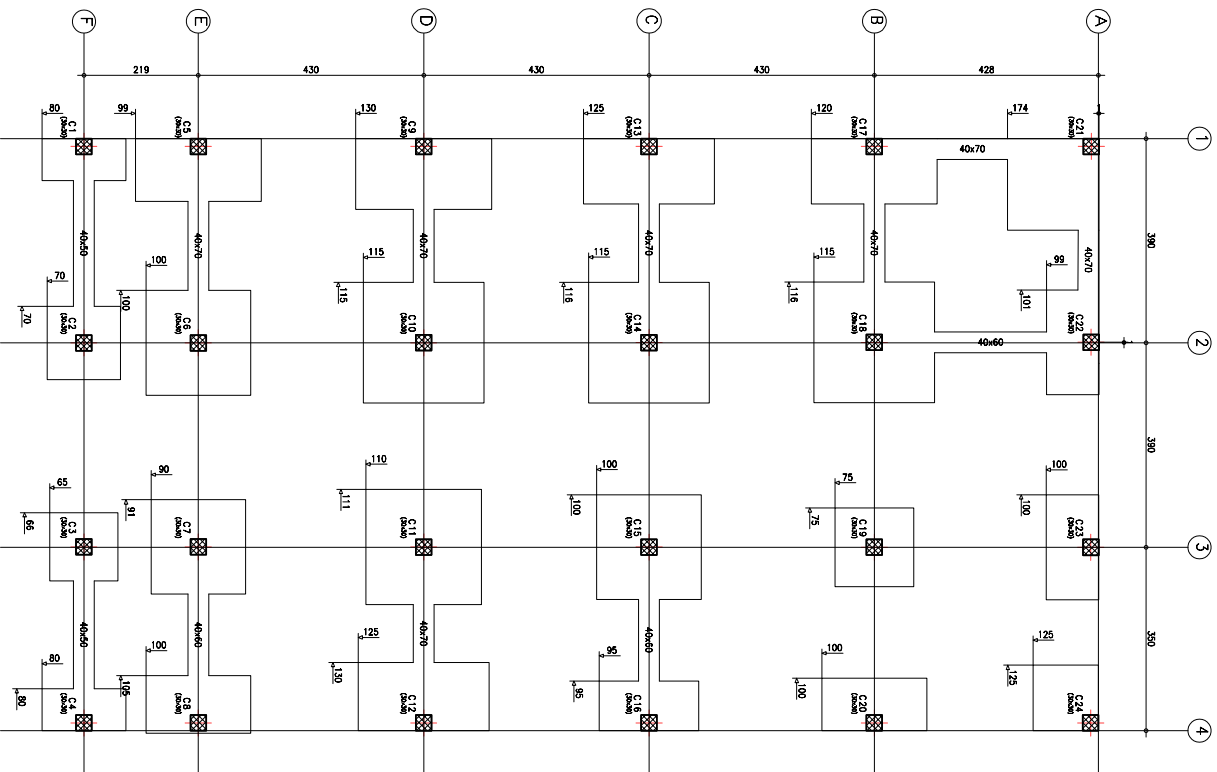
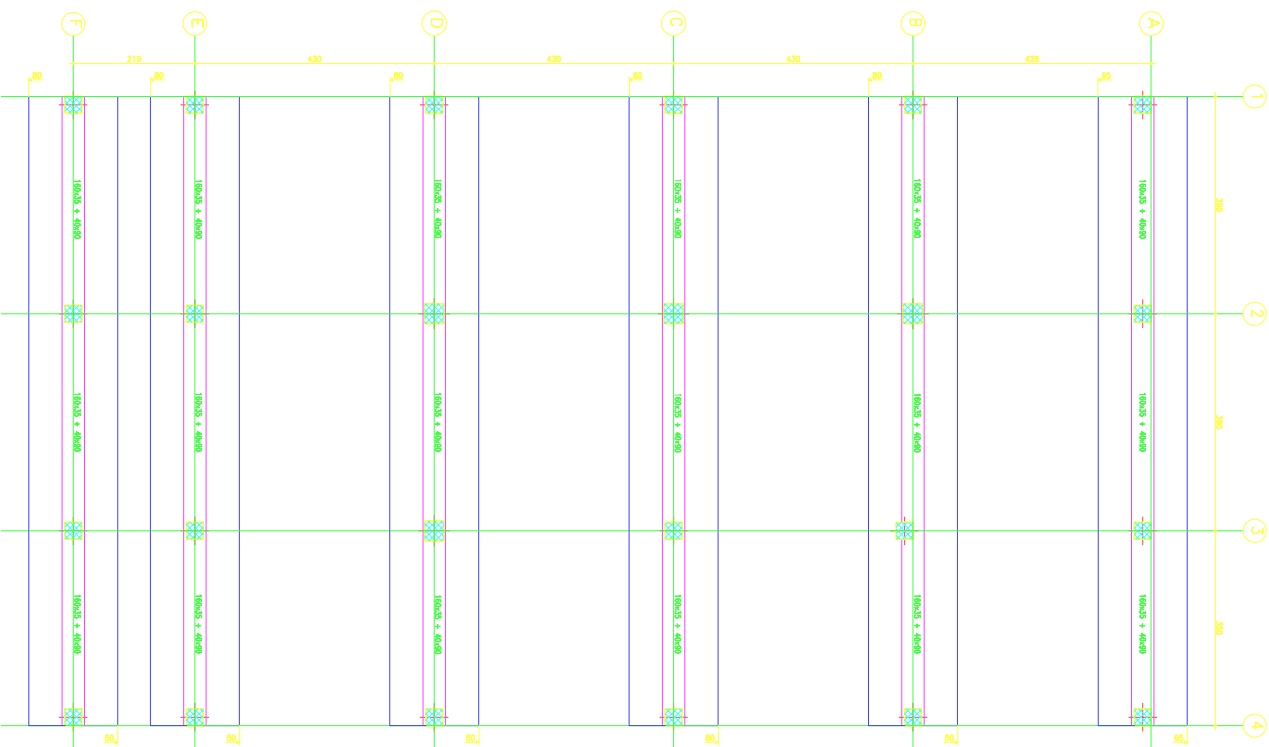


REPLANTEO ZAPATAS DE FUNDACIÓN

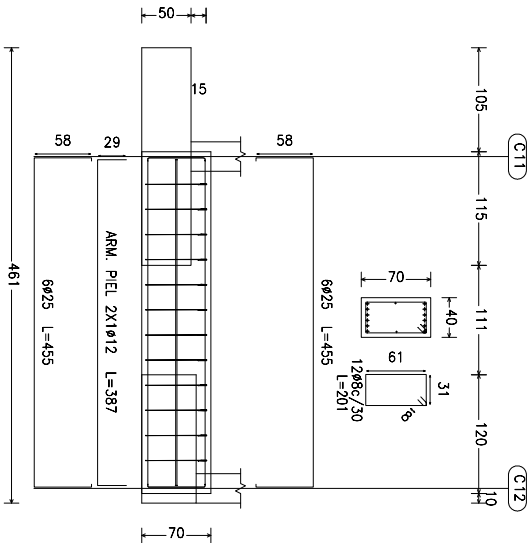


REPLANTEO VIGAS DE FUNDACIÓN

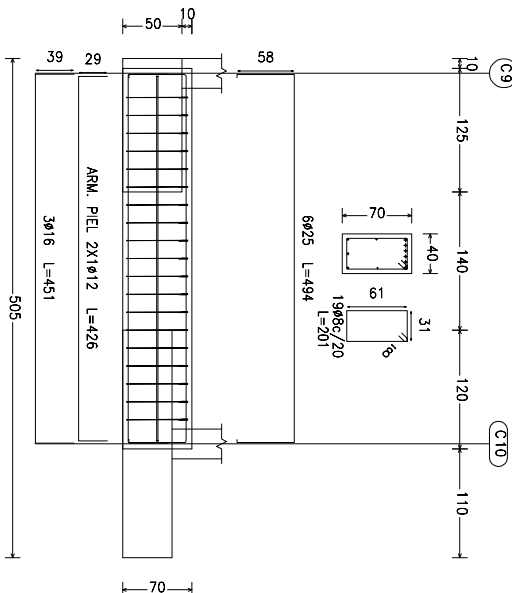


DETALLE ZAPATAS Y VIGAS CANTILIVER

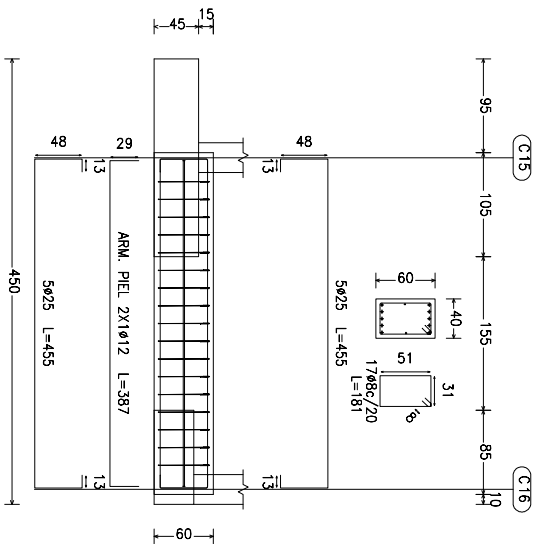
VC.S-4 [C11 - C12]



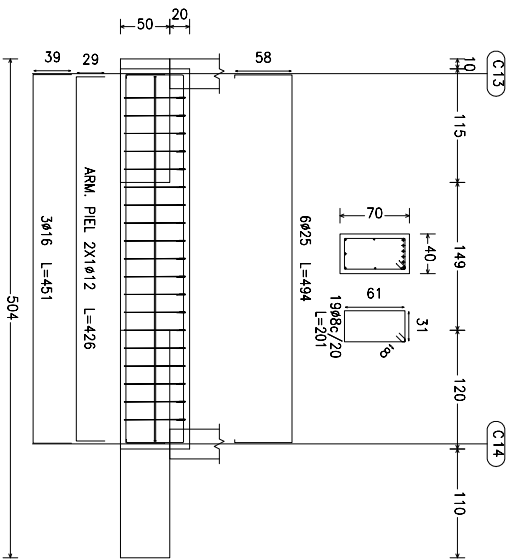
VC.T-4.3 [C9 - C10]



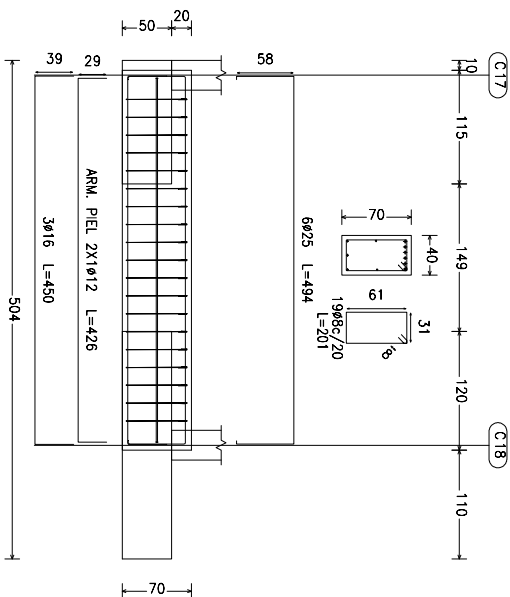
VC.S-3.1 [C15 - C16]



VC.T-4.3 [C13 - C14]



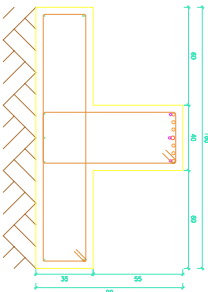
VC.T-4.3 [C17 - C18]



DETALLE VIGAS DE FUNDACIÓN

Pórtico 1

CORTE TRANSVERSAL

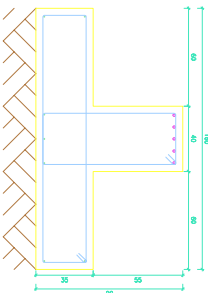


EJE VERTICAL

1
(C21)

2
(C22)

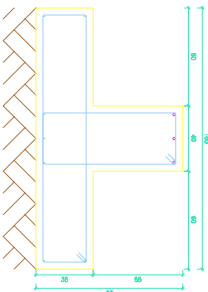
CORTE TRANSVERSAL



3
(C23)

4
(C24)

CORTE TRANSVERSAL



ARMADURA LONGITUDINAL (cm)

11ø10 L=1010 2ø16 L=305

D1ø10 L=1010

3ø16 L=1020

(R41-R42)
(CONTINUADO)

(R41-R42)
(CONTINUADO)

EJE HORIZONTAL

A

A

6ø20 L=365

D1ø10 L=345

11ø10 L=345

(R41-R42)
(CONTINUADO)

18ø25 L=360

3ø10 L=845

D1ø10 L=845

11ø10 L=845

ARMADURA TRANSVERSAL (cm)

25ø11 (ø8)+1 (ø8) 5/15

25ø11 (ø8)+1 (ø8) 5/15

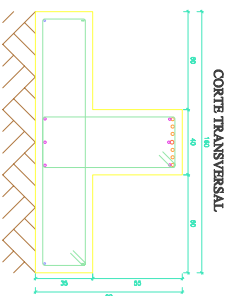
39ø11 (ø8)+1 (ø8) 5/10

2ø12 L=280

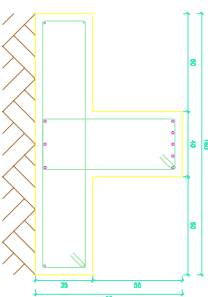
Fundación
Despiece de vigas
Hormigón: f_c=250 kg/cm²
Acero en bornas: AH-500
Acero en estribos: AH-500
Escala secciones 1:10
Escala huecos 1:10

DETALLE VIGAS DE FUNDACIÓN

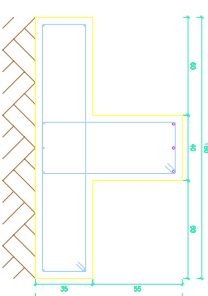
Pórtico 2



CORTE TRANSVERSAL



CORTE TRANSVERSAL



RJE VERTICAL

C17

C18

C19

C20

ARMADURA LONGITUDINAL (cm)

D1010 L=1010

11010 L=1010

3016 L=1020

2616 1-254

1-800-451-1000
405.504.6000

QUESTION

$$40530 + 60250 + 6672$$
$$2499 + 105209 + 40621$$

EJE HORIZONTAL

Fundación

Despiece de vigas

Hormigón: $f_c = 250 \text{ kg/cm}^2$

Acero en barras: AH-500

Acero en estudios: AH-
Escala n6rticos 1-10

Escala porticos 1:10

Escala huecos 1:10

Pórtico 3

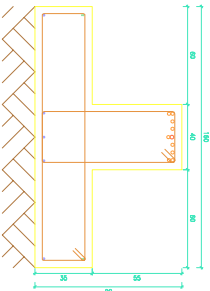


Fundación
Despiece de vigas
Hormigón: $f_c=250$ kg/cm²
Acero en barras: AH-500
Acero en estribos: AH-500
Escala pórticos 1:10
Escala secciones 1:10
Escala huecos 1:10

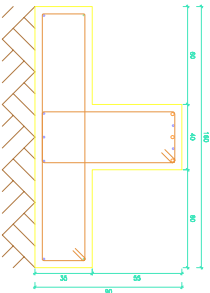
DETALLE VIGAS DE FUNDACIÓN

Pórtico 5

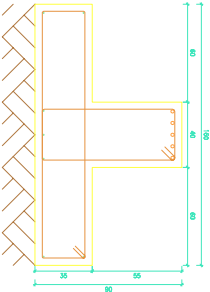
CORTE TRANSVERSAL



CORTE TRANSVERSAL



CORTE TRANSVERSAL



EJE VERTICAL

C5

C6

C7

C8

ARMADURA LONGITUDINAL (cm)

6ø20 L=365

2ø12 L=350

2ø20 L=450

11ø10 L=345

11ø10 L=1010

11ø10 L=255

D1ø10 L=345

D1ø10 L=1010

3ø10 L=255

1ø25 L=350

3ø20 L=1030

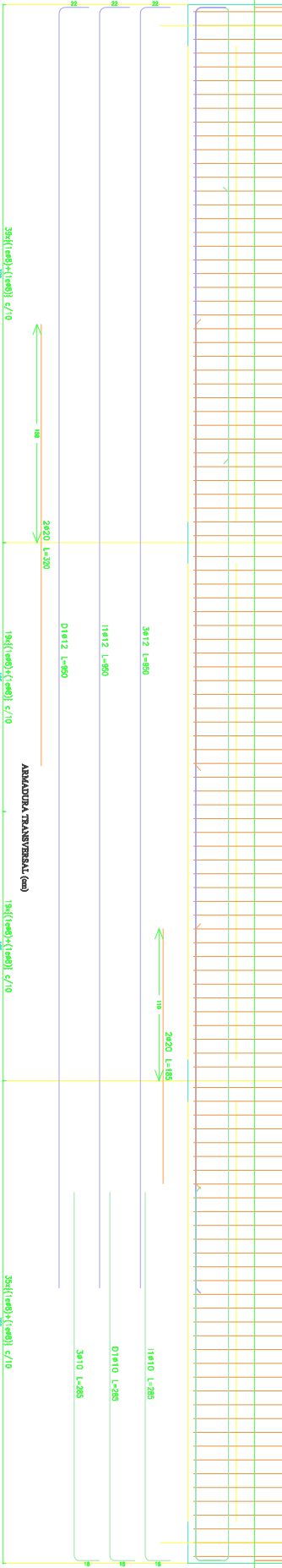
(MUT-013)

(MUT-014)

(MUT-015)

EJE HORIZONTAL

E



ARMADURA TRANSVERSAL (cm)

3ø4(1øø)+(1øø) c/10

1ø4(1øø)+(1øø) c/10

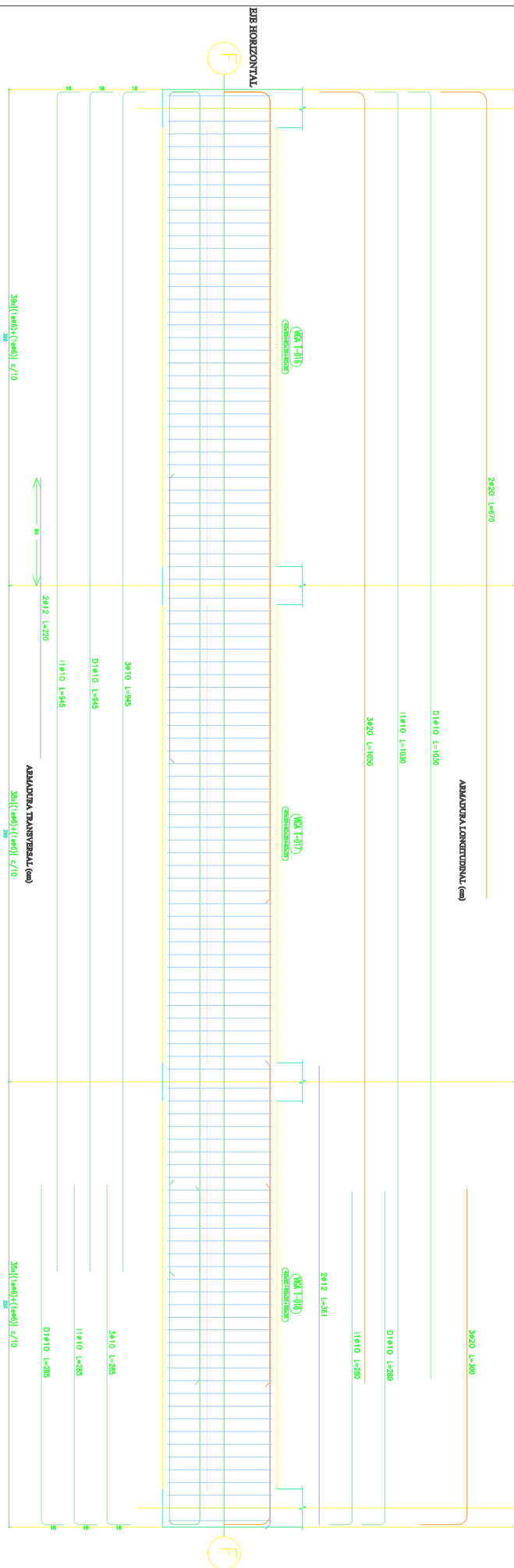
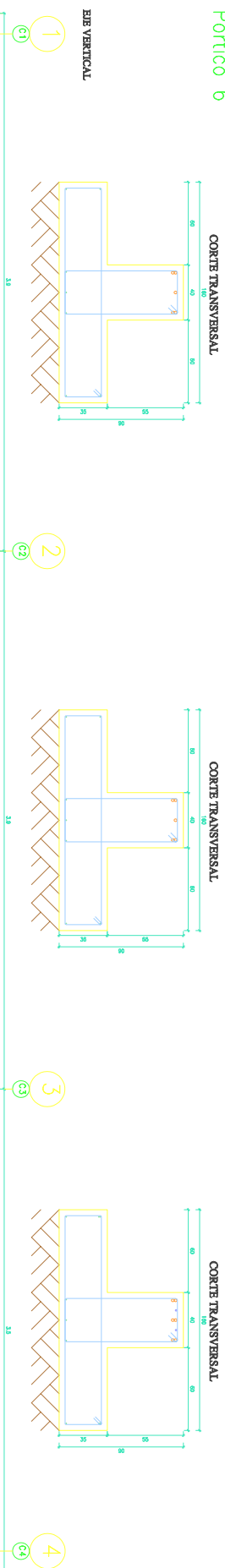
1ø4(1øø)+(1øø) c/10

3ø4(1øø)+(1øø) c/10

Fundación
Despiece de vigas
Hormigón: f_c=250 kg/cm²
Acero en barras: AH-500
Escala pórticos 1:10
Escala huecos 1:10

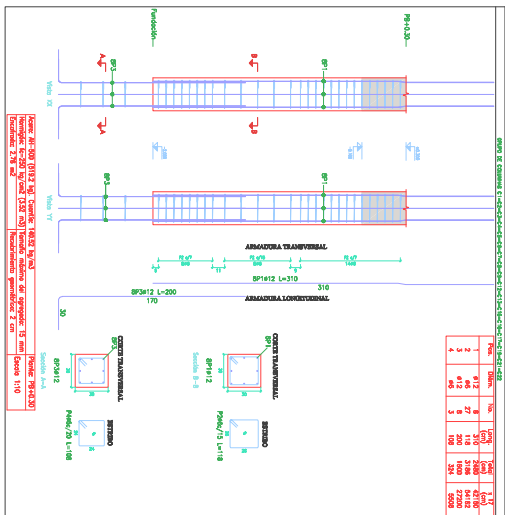
DETALLE VIGAS DE FUNDACIÓN

Pórtico 6

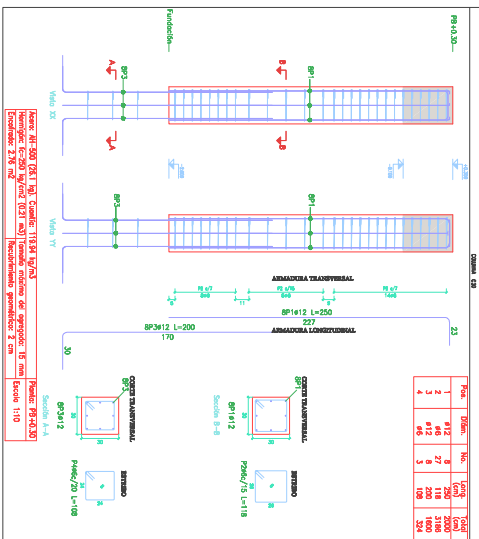
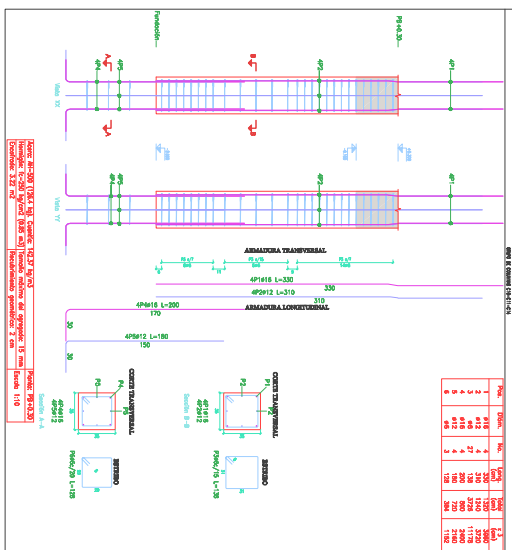
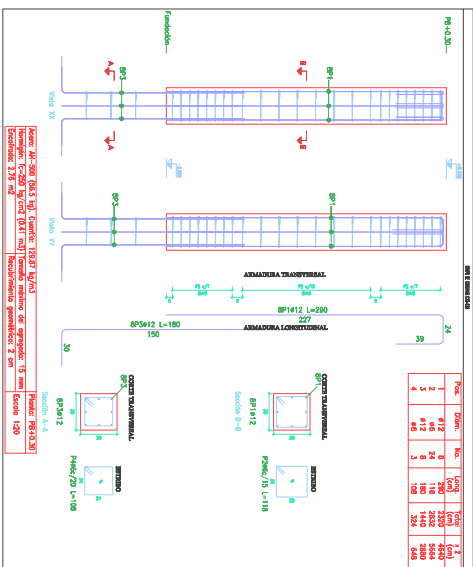


Fundación
Despiece de vigas
Hormigón: $f_c=250$ kg/cm²
Acero en barras: AH-500
Acero en estribos: AH-500
Escala pórticos 1:10
Escala secciones 1:10
Escala huecos 1:10

DETALLE DE COLUMNAS PLANTA BAJA

[illegible]

Plantas: PB+0,30
Hormigón: $f_c=250 \text{ kg/cm}^2$
Acero en barras: AH-500
Acero en estribos: AH-500

[illegible]

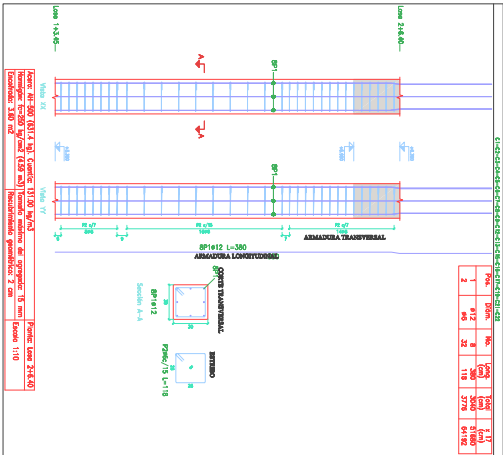
Scenario	Pop. Down, %	Experiments (n)	Length (Total) (hr)
Scenario 1	0		300 2000 300
Scenario 2	0.5		100 2000 0.5
Scenario 3	0.5		100 1000 10.0
Scenario 4	0.5		100 0.5 0.5

Planta: PB+0.30
 Hormigón: $f_c=250$ kg/cm²
 Acero en barras: AH-500
 Acero en estribos: AH-500

Resumen Acero Columnas	Long. total (m)	Peso+5% (kg)	Total
A4-500			
#8	850.3	200	
#12	863.2	823	
#16	84.8	141	1164

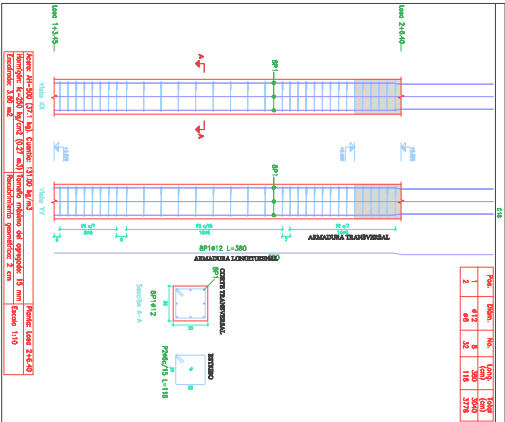
	
UNIVERSIDAD AUTÓNOMA TOLN XHSCALO S.A.C.A.C.S.O	
FACULTAD DE CIENCIAS Y TECNOLGIA INGENIERIA CIVIL	
PROGRAMA DE INGENIERIA EN INGENIERIA AUTOMATICA	
PRADO	SECCION DE OCUPACION PROFESIONAL
SEMESTRE	
ASIGNATURA: CIENCIA DE LOS MATERIALES	
GRUPO	TEMA
2014	10
10	7/4

DETALLE DE COLUMNAS SEGUNDO, TERCER Y CUARTO NIVEL



Dimensión	Longitudinal	Transversal
Longitudinal	400 mm	400 mm
Transversal	400 mm	400 mm

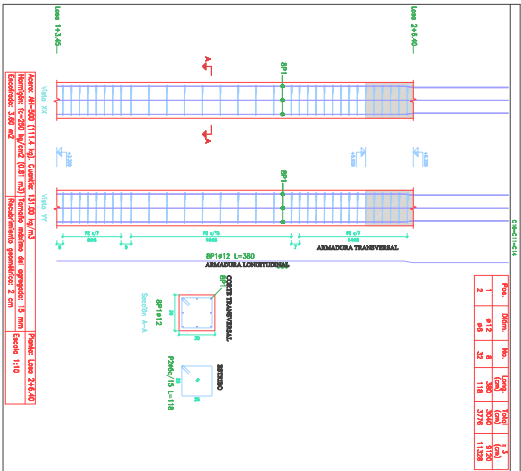
Reinforcement: 4E12



Dimensión	Longitudinal	Transversal
Longitudinal	400 mm	400 mm
Transversal	400 mm	400 mm

Reinforcement: 4E12

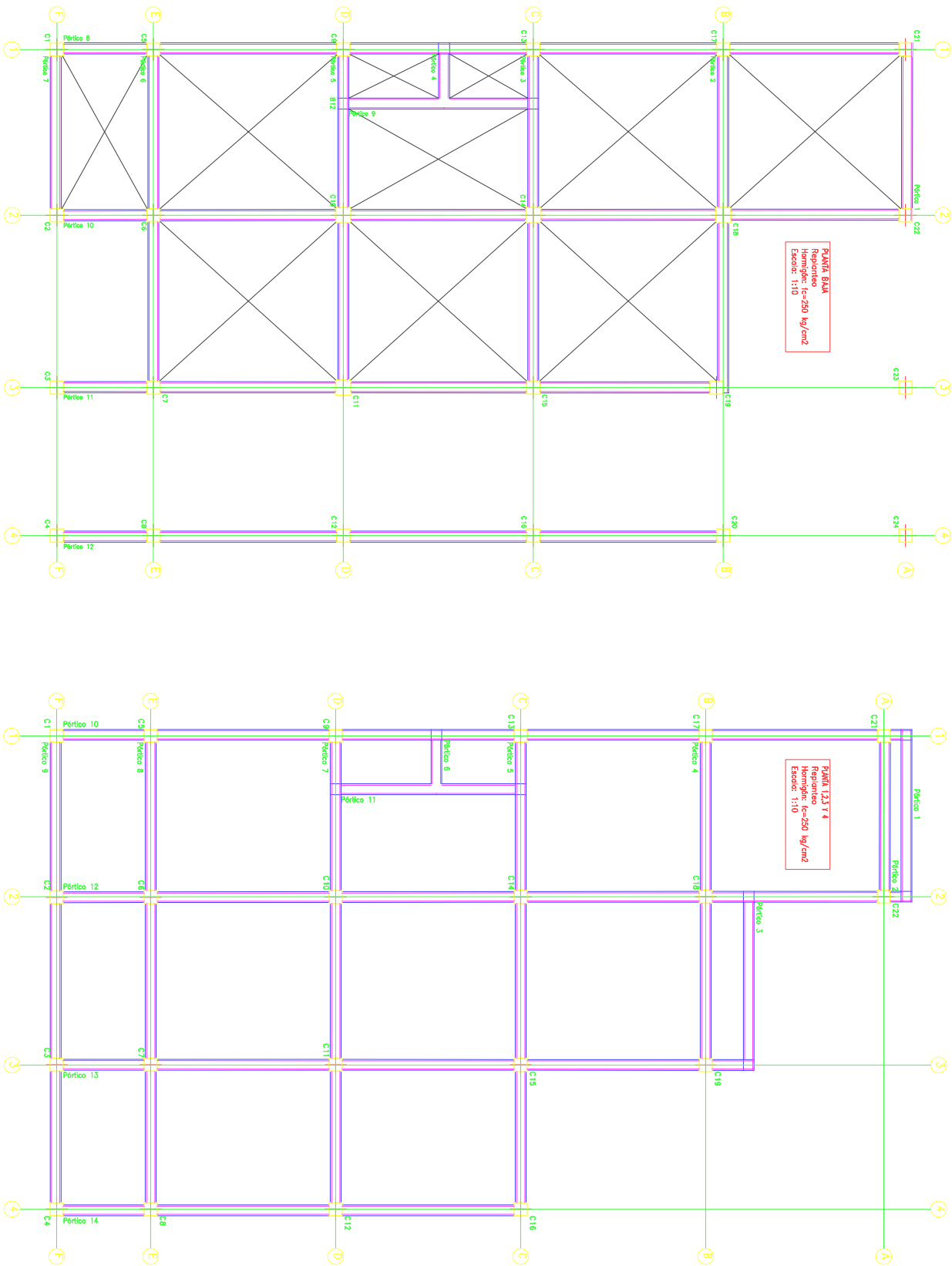
Dimensión	Longitudinal	Transversal
Longitudinal	400 mm	400 mm
Transversal	400 mm	400 mm



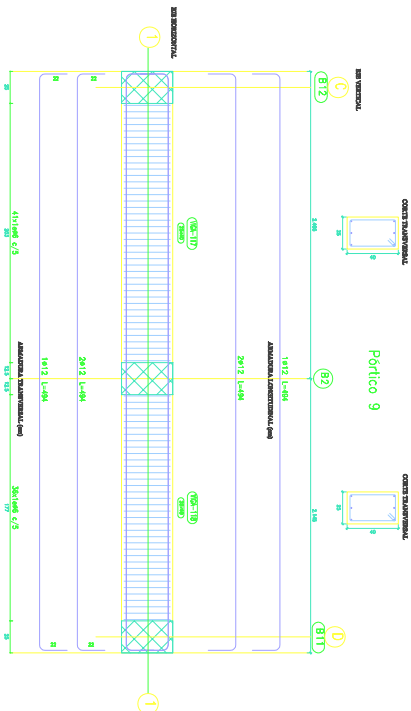
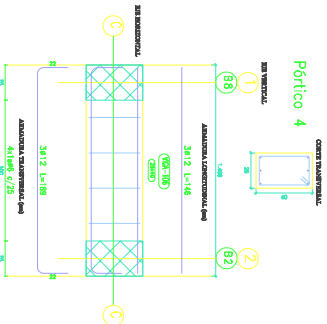
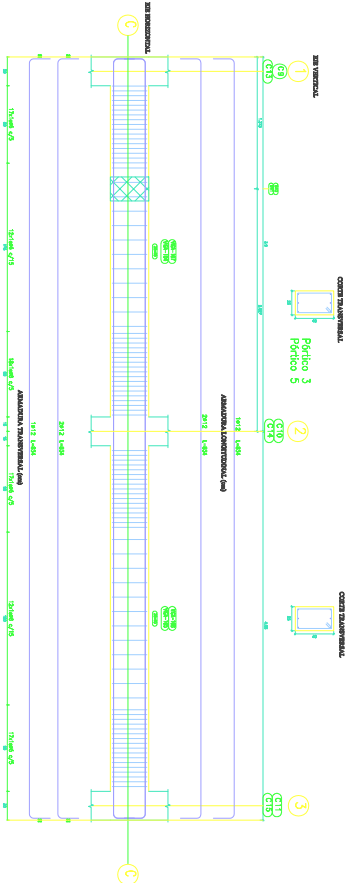
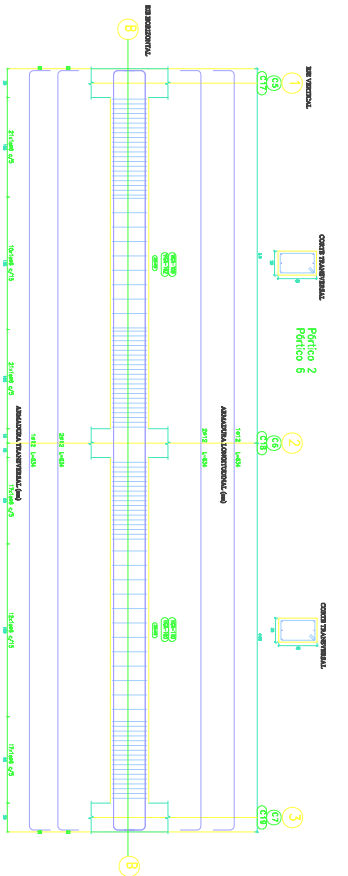
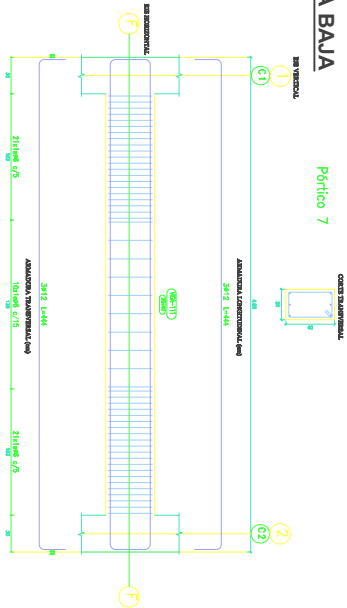
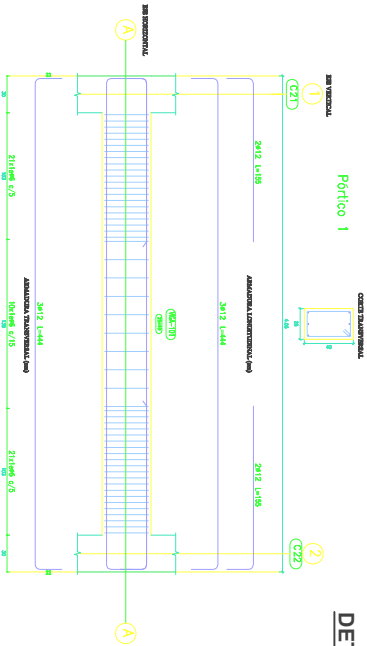
Dimensión	Longitudinal	Transversal
Longitudinal	400 mm	400 mm
Transversal	400 mm	400 mm

Reinforcement: 4E12

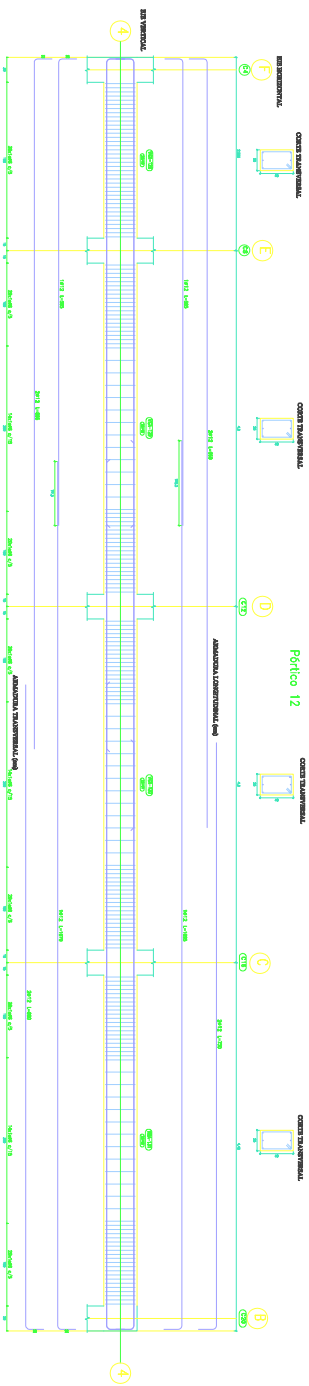
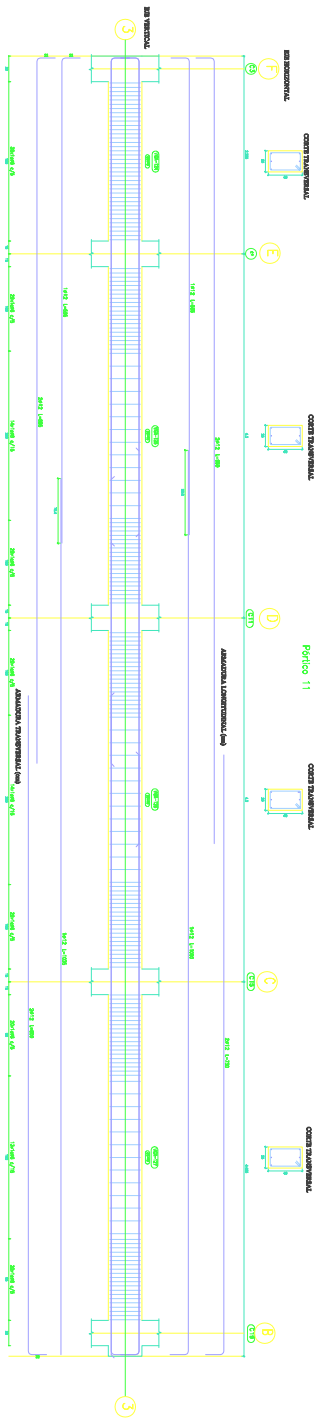
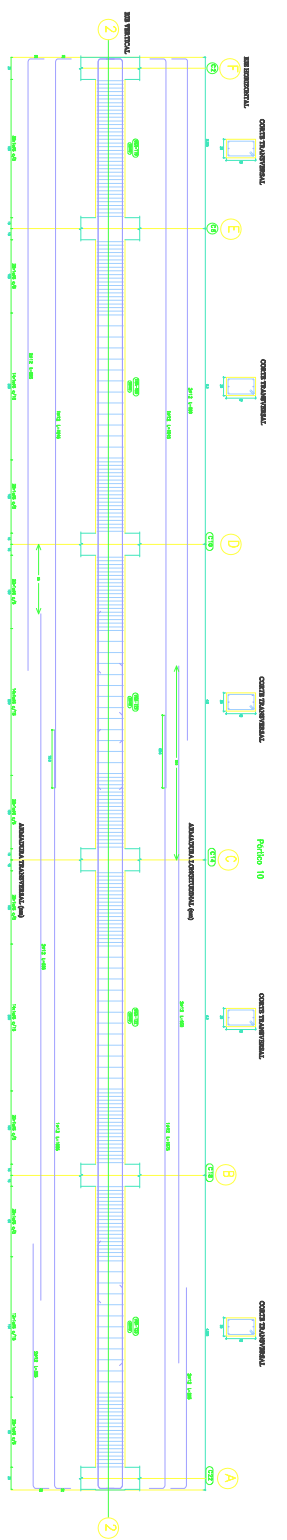
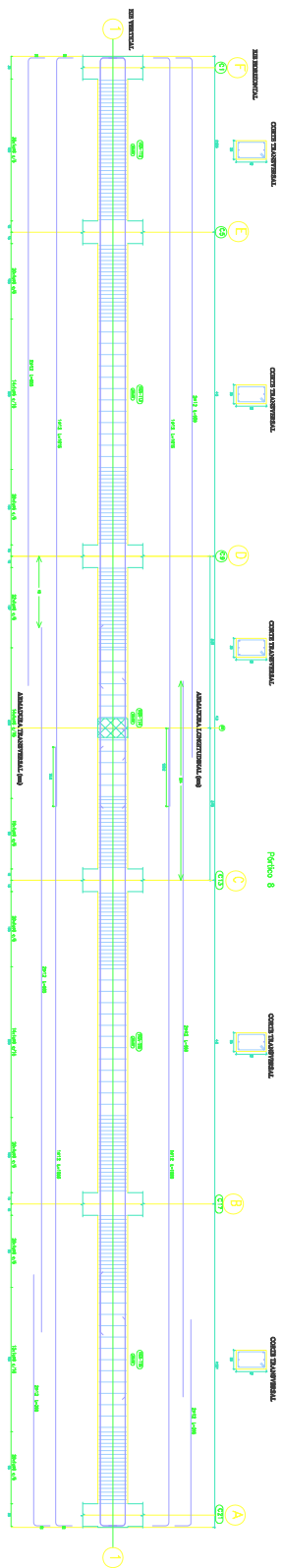
DETALLE DE EJES VERTICALES Y HORIZONTALES



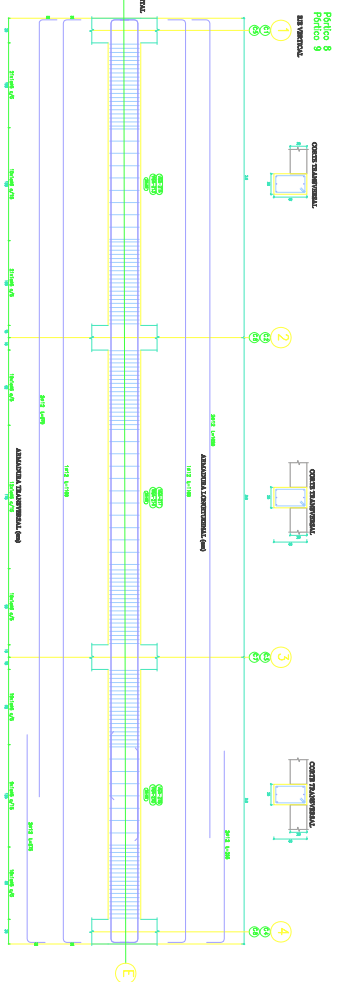
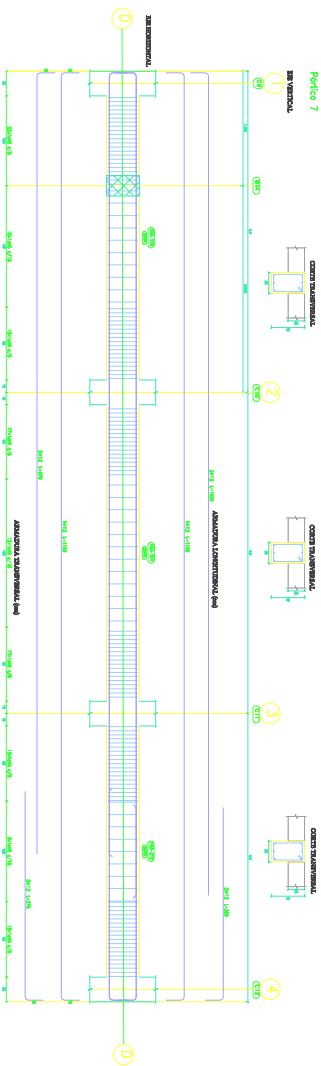
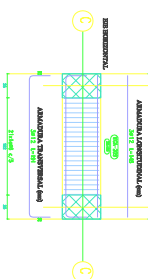
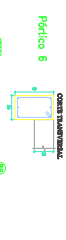
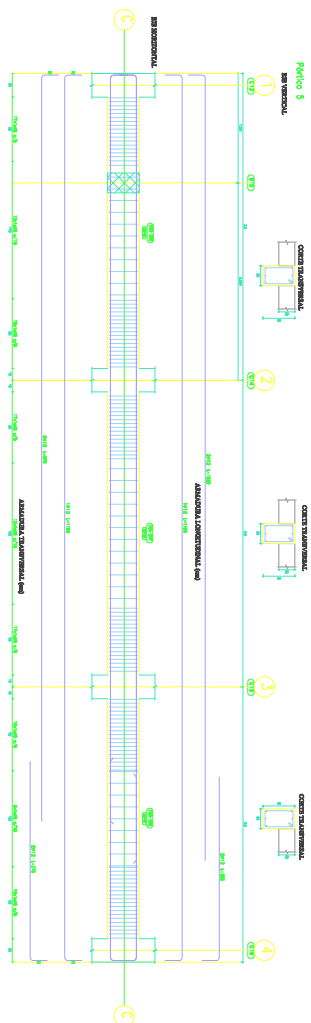
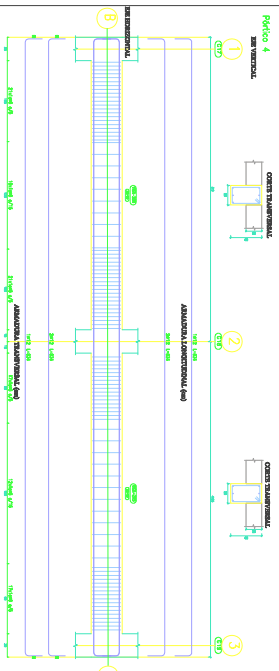
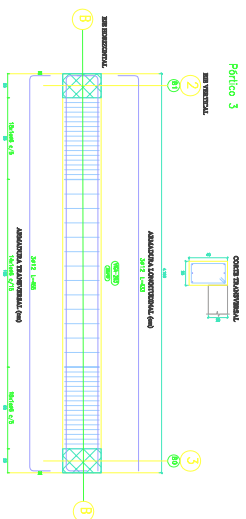
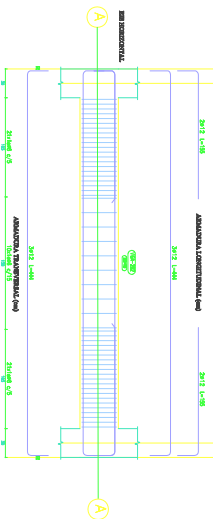
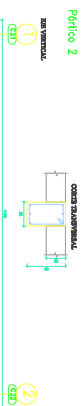
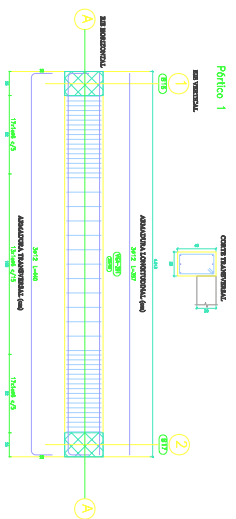
DETALLE DE VIGAS PLANTA BAJA



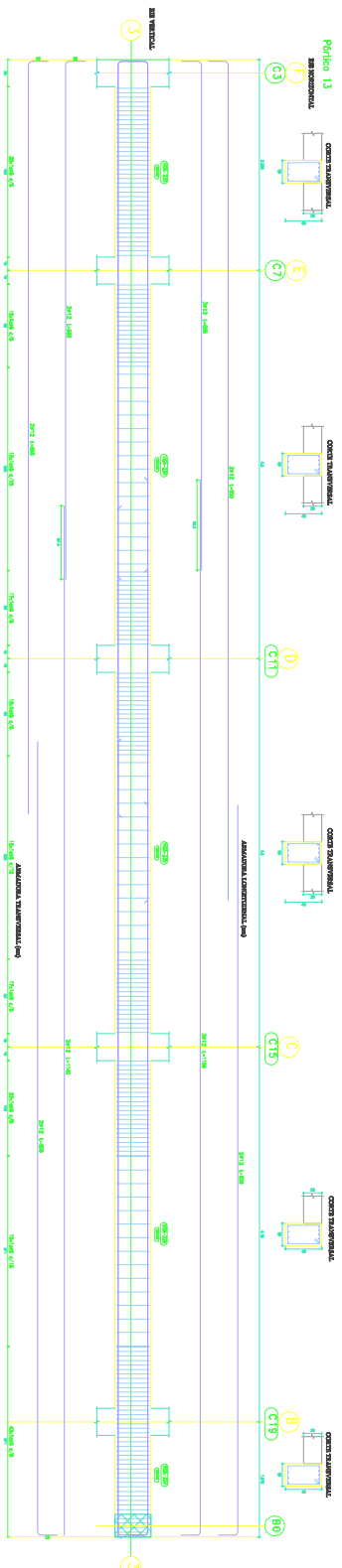
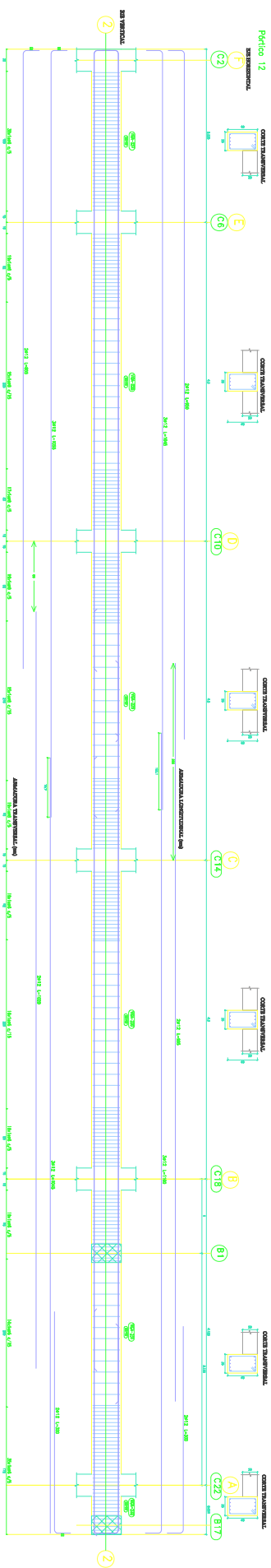
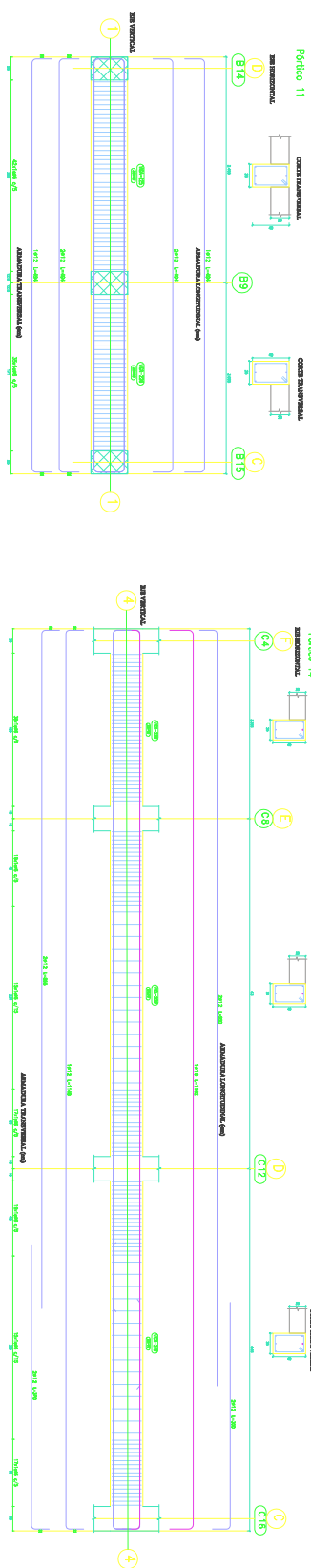
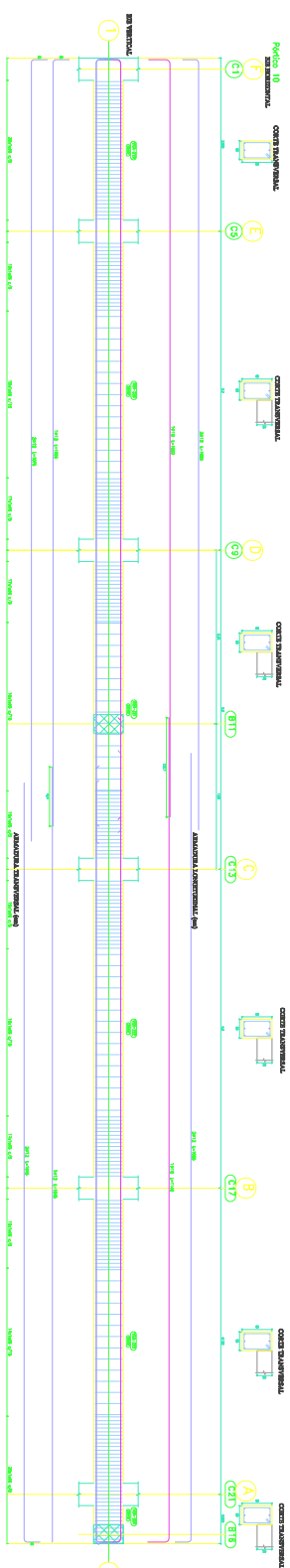
DETALLE DE VIGAS PLANTA BAJA



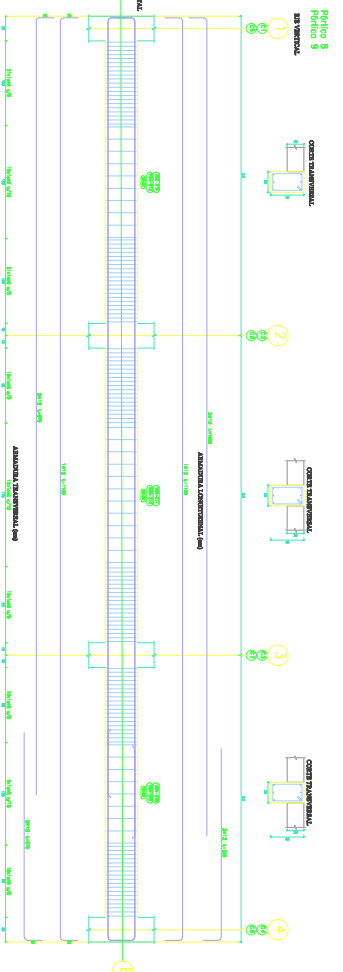
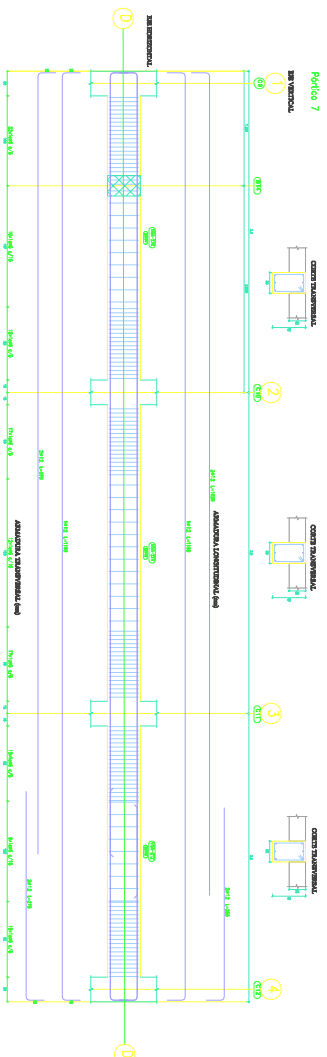
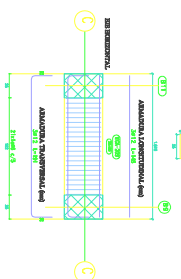
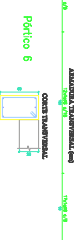
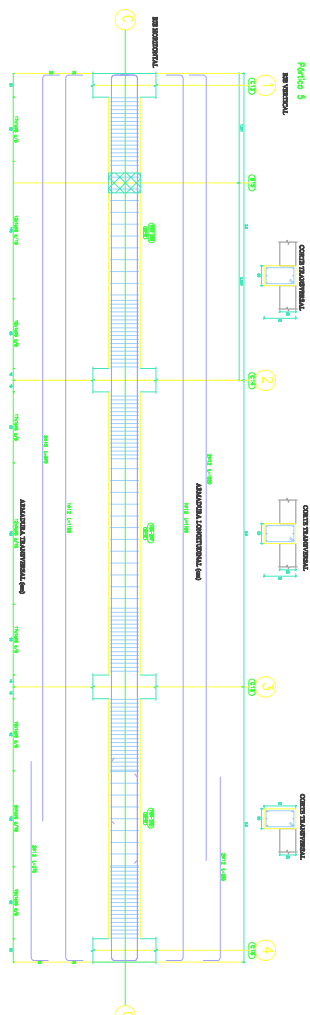
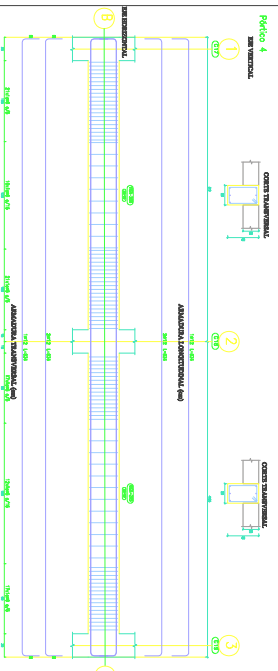
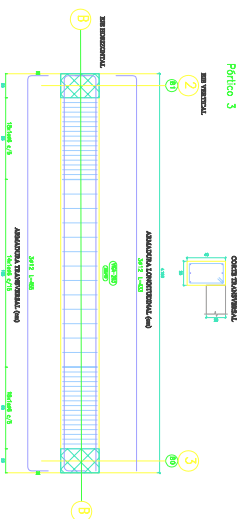
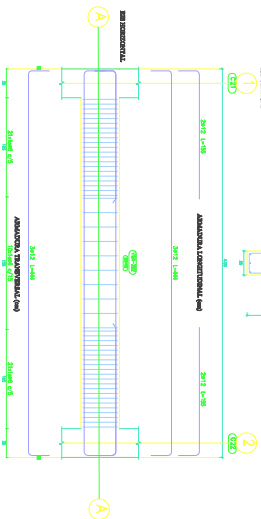
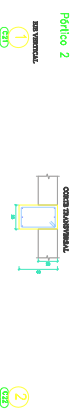
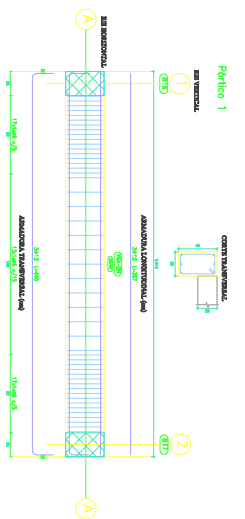
DETALLE DE VIGAS PRIMER NIVEL



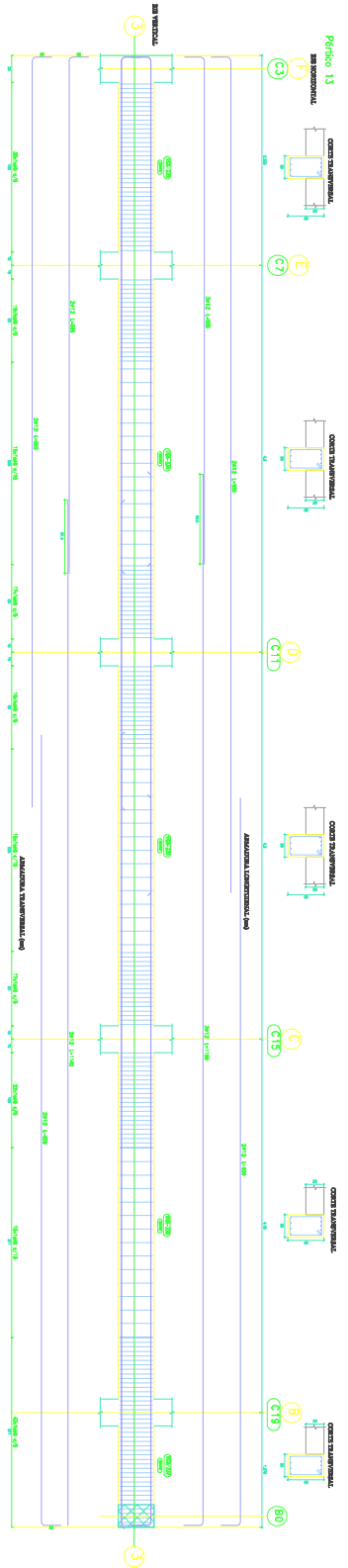
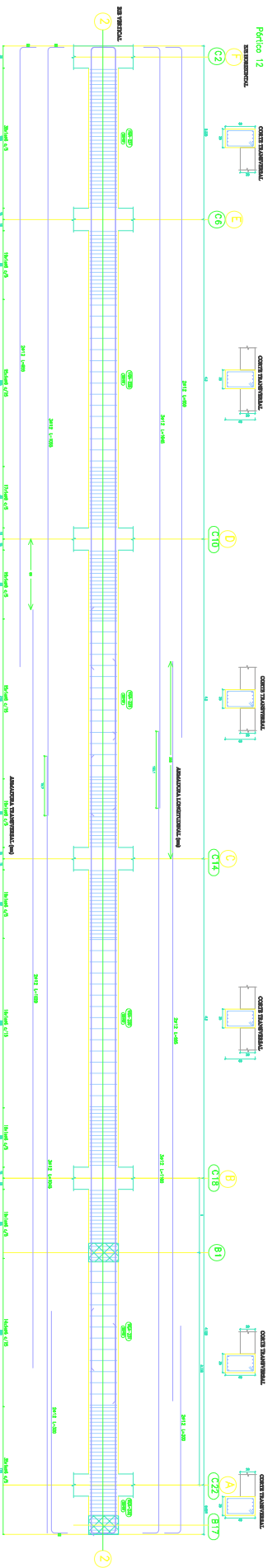
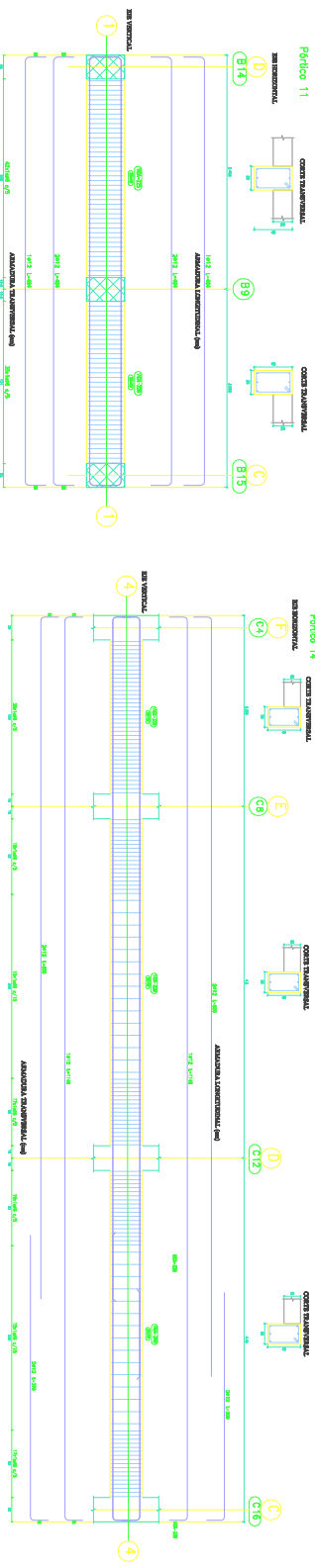
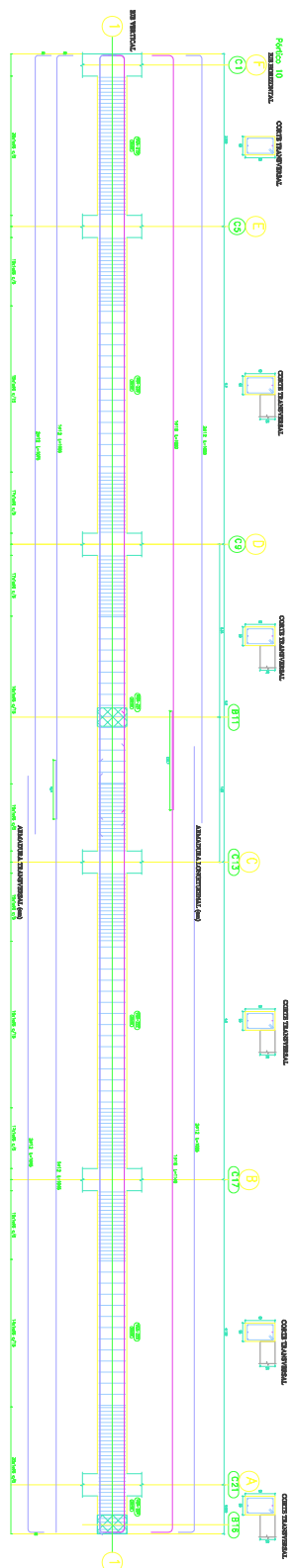
DETALLE DE VIGAS PRIMER NIVEL



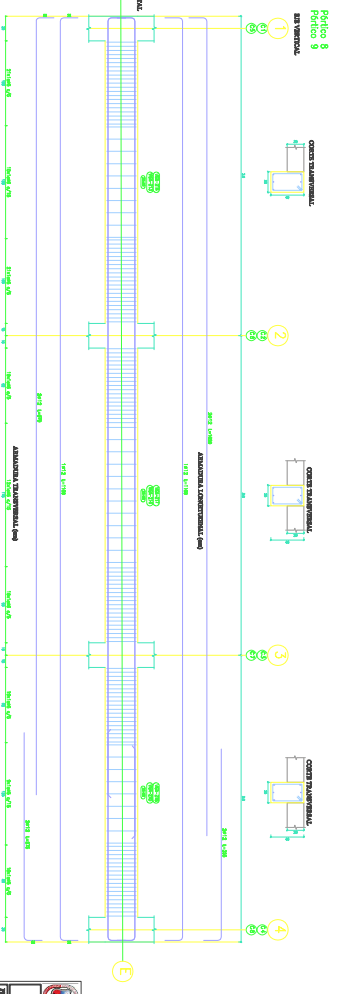
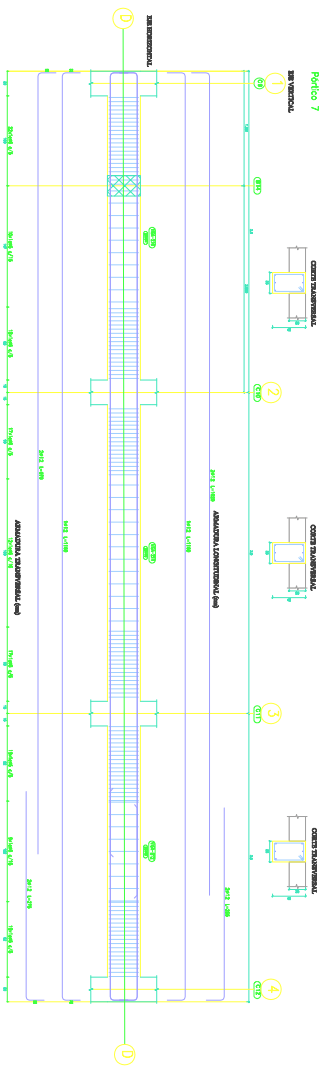
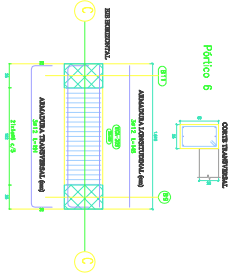
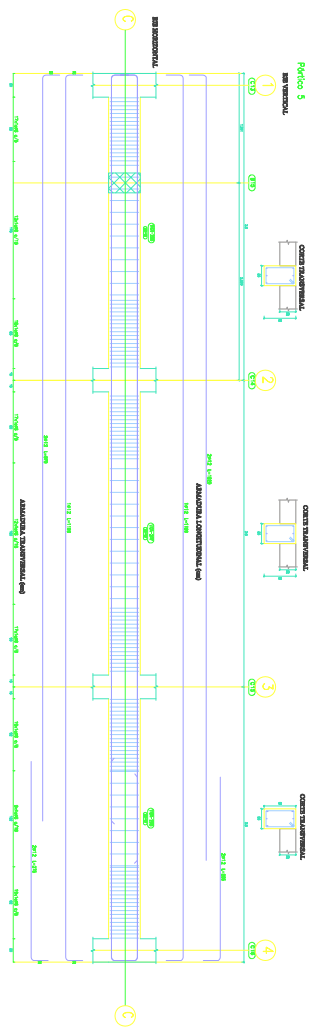
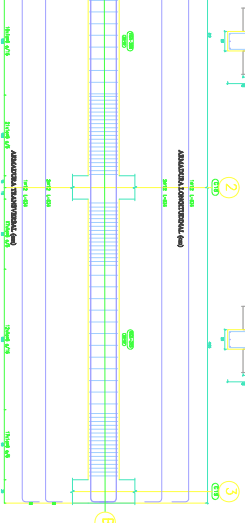
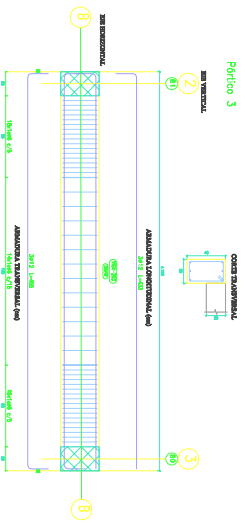
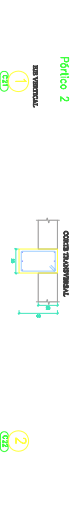
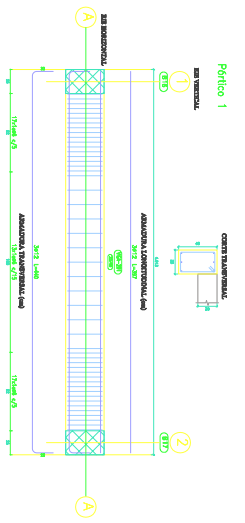
DETALLE DE VIGAS SEGUNDO NIVEL



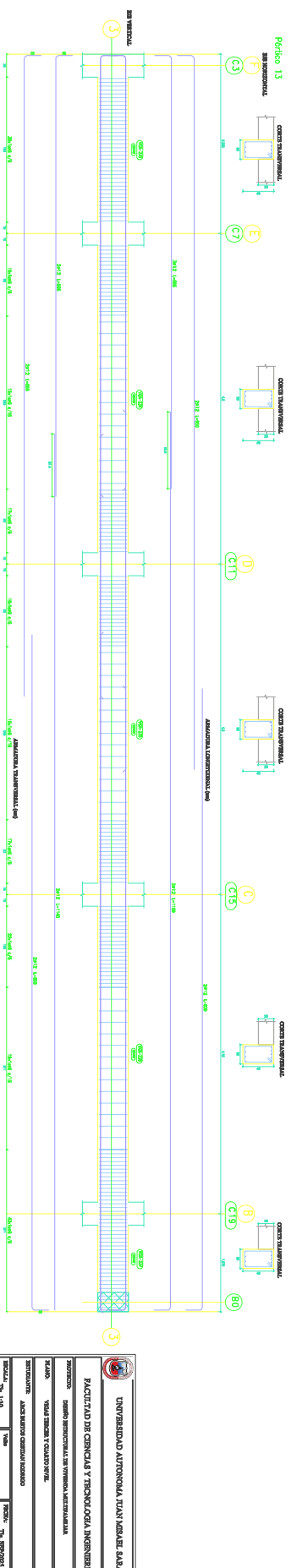
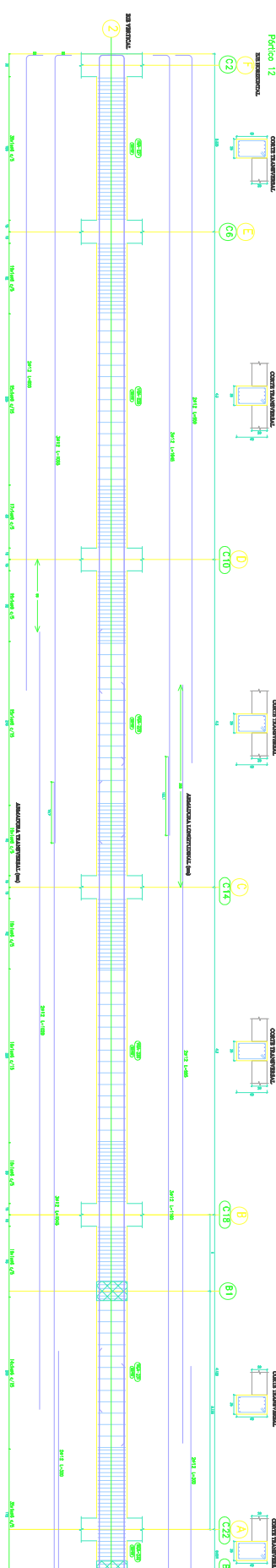
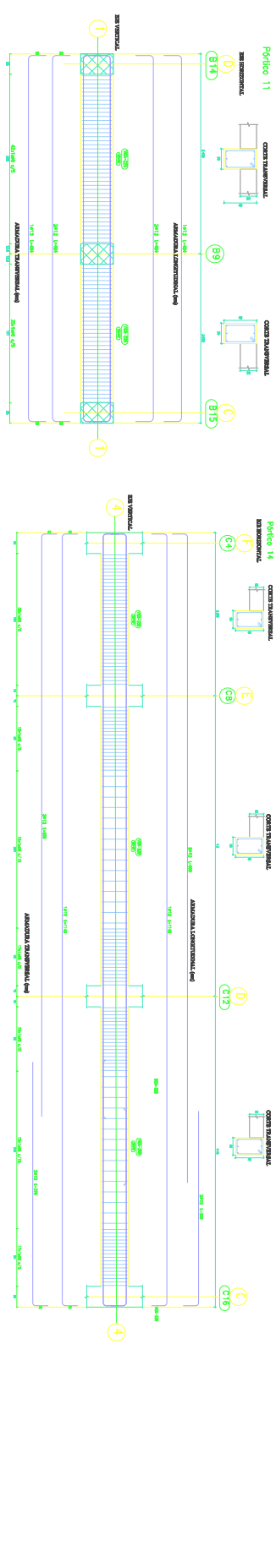
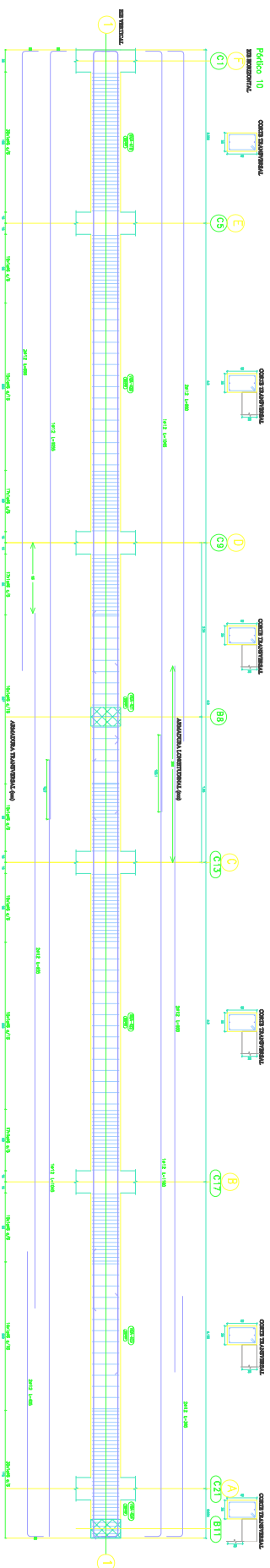
DETALLE DE VIGAS SEGUNDO NIVEL



DETALLE DE VIGAS TERCER Y CUARTO NIVEL



DETALLE DE VIGAS TERCER Y CUARTO NIVEL



DETALLE DE LOSA NIVEL TRES Y CUATRO

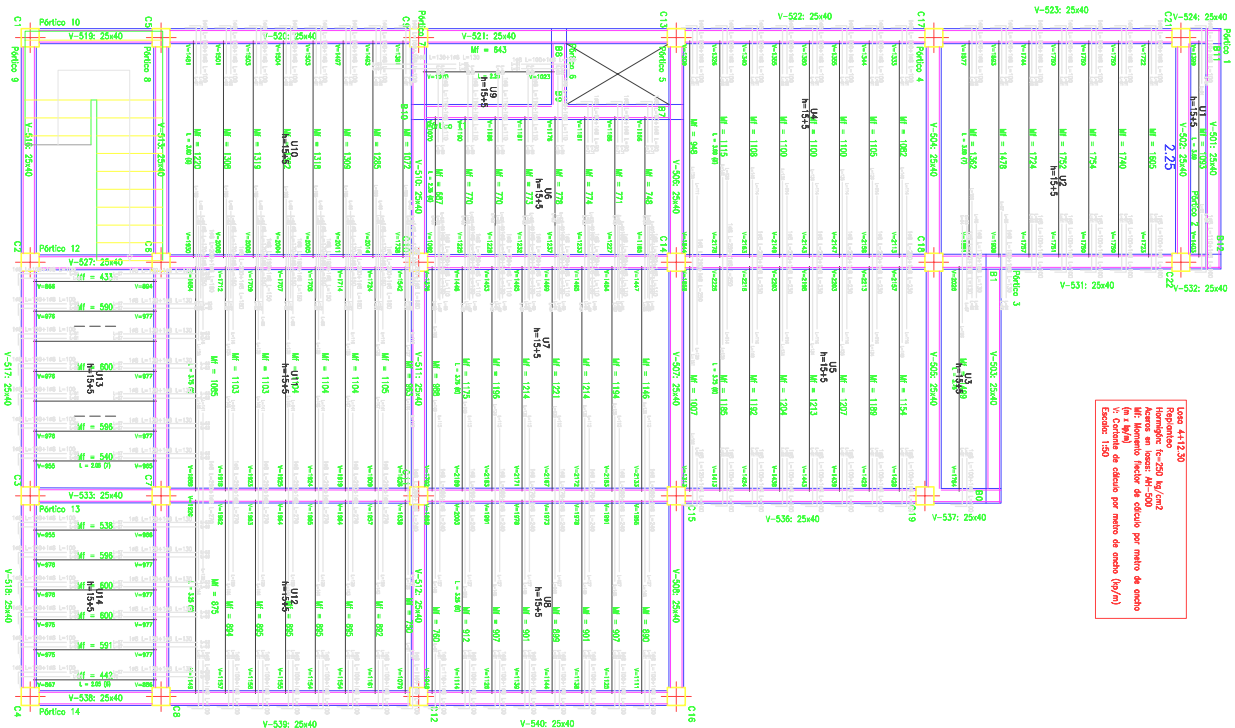
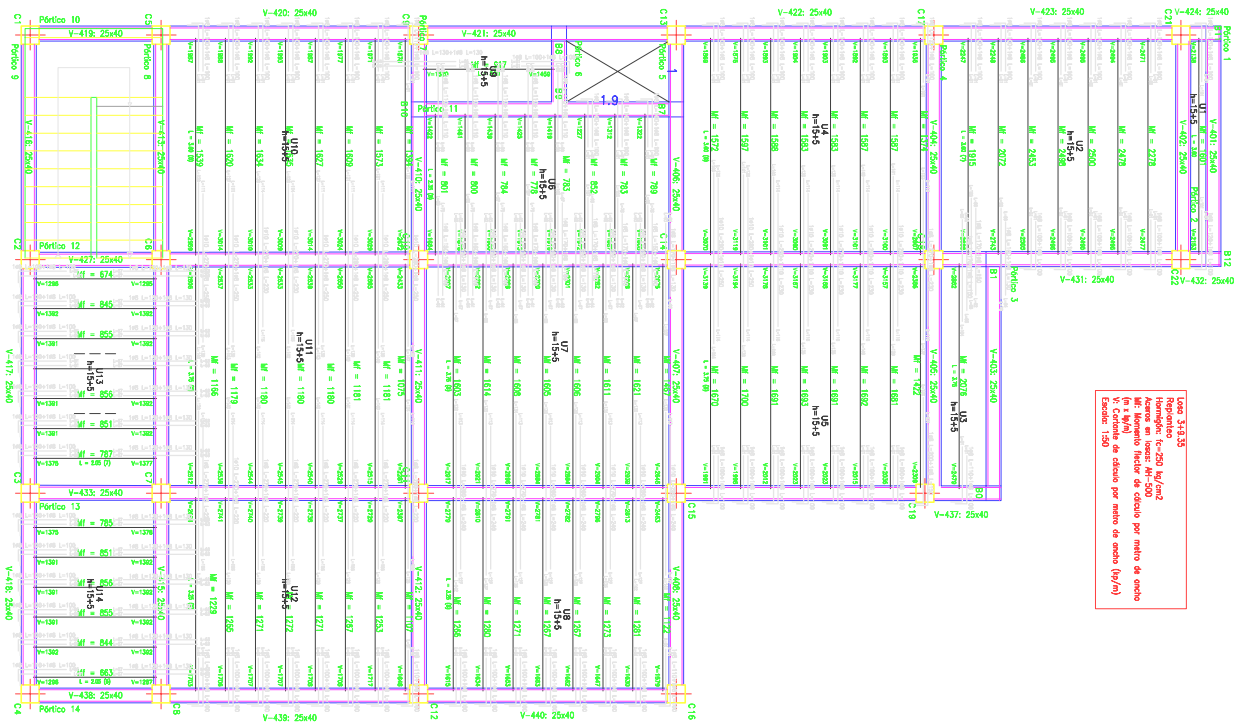


Tabla de características de la masa de viguetas (Grupo 2)
LOSA DE VIGUETAS DE HORMIGÓN Altura de bovedilla: 15 cm Espesor capo compresión: 5 cm Inteirejo: 30 cm Bovedilla: Genérica Ancho del nervio: 10 cm Volumen de hormigón: 0,067 m³/m² Peso propio: 0,2 t/m² Nota: Consultar los detalles referentes a uniones con losas de la estructura principal y de las zonas mortozadas.