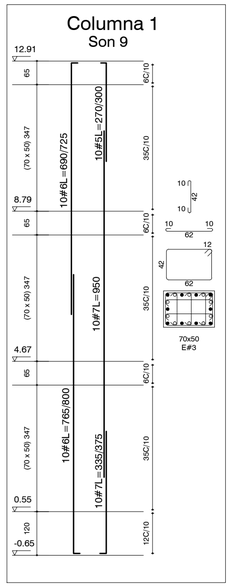
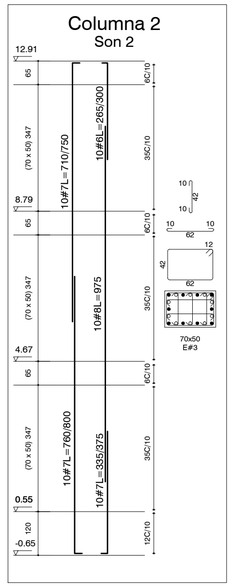
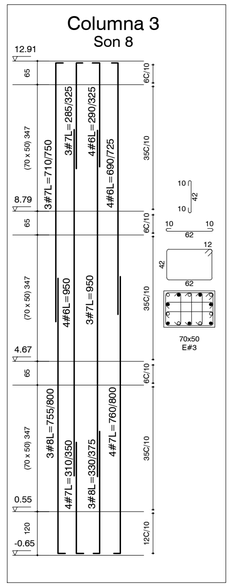
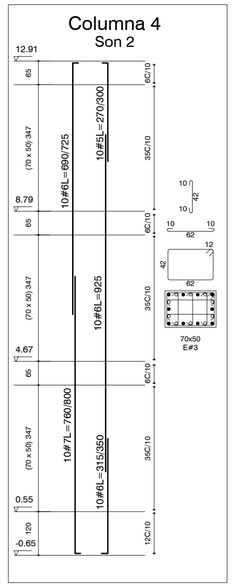
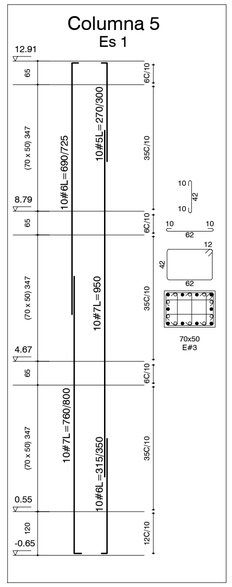
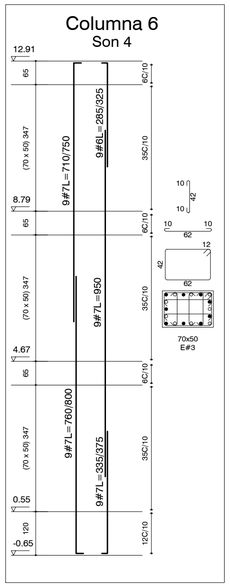


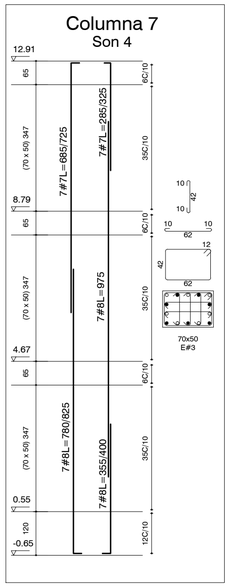


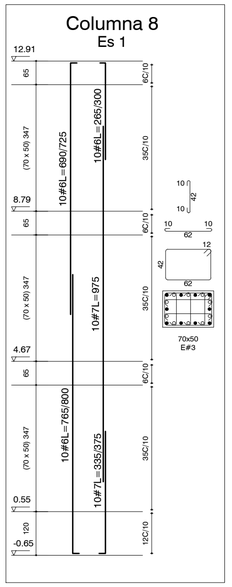


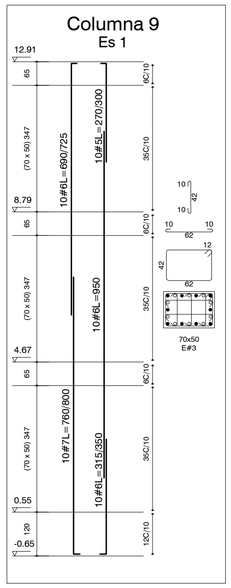


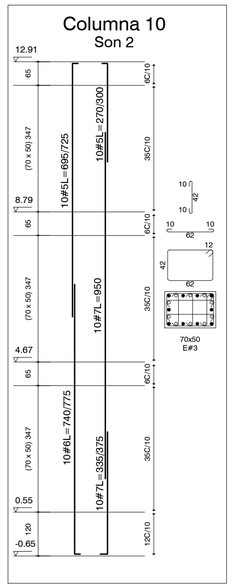


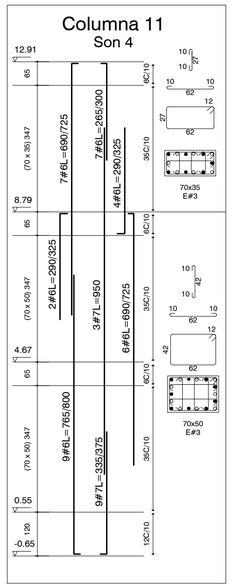


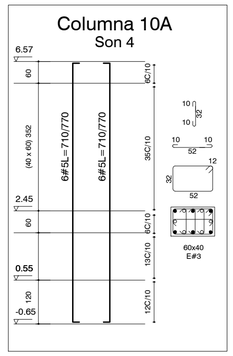


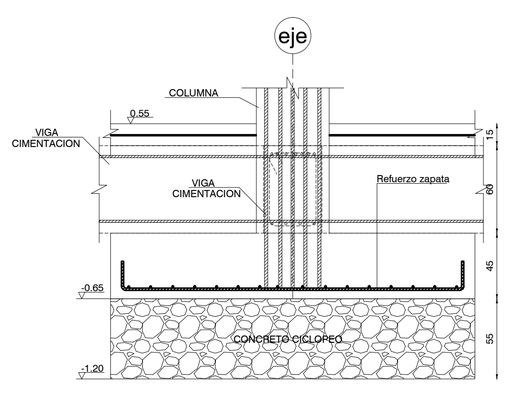




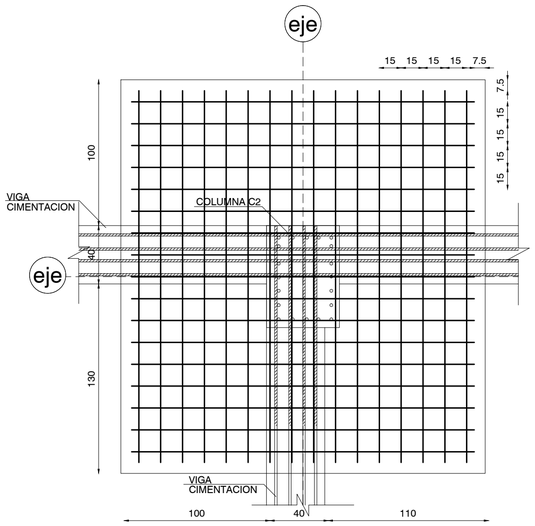








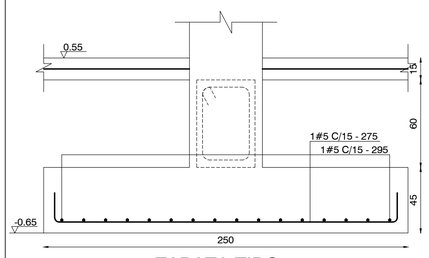
CORTE



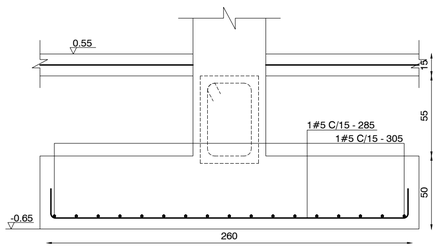
PLANTA

DETALLE GENERAL DE CIMENTACION
Colocacion tipica del refuerzo

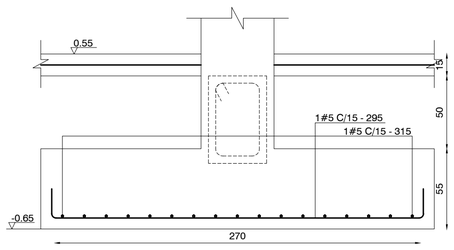
ESCALA 1:25



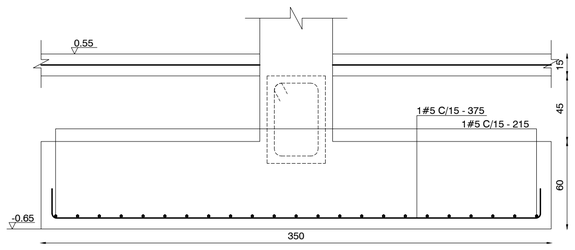
ZAPATA TIPO 1
SON 20
250X270X45
ESCALA 1:25



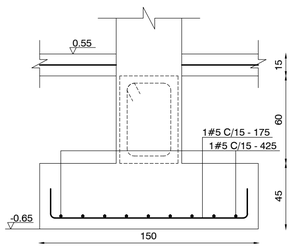
ZAPATA TIPO 2
SON 9
260X280X50
ESCALA 1:25



ZAPATA TIPO 3
SON 5
270X290X55
ESCALA 1:25



ZAPATA TIPO 4
SON 4
350X190X60
ESCALA 1:25



ZAPATA TIPO 4A
SON 2
150X400X45
ESCALA 1:25

Vo. Bo. Ingeniero de Suelos
Antonio A. Charry V.
Matricula N° 7354 CUNDI.

ESPECIFICACION DE MATERIALES

CONCRETO
f'c = 21 MPa Zapatas
f'c = 28 MPa Columnas (gravilla fina y alta plasticidad)

ACERO
fy = 420 MPa

Uptc
Universidad Pedagógica y Tecnológica de Colombia

RECTOR:

DR. ALFONSO LÓPEZ DÍAZ

PROYECTO:

CONTRATO No. 117 de 2017

CONSULTORIA PARA LA ELABORACION DE LOS ESTUDIOS Y DISEÑOS DEL PROYECTO PARA EL EDIFICIO DE AULAS DE POSGRADO DEL CENTRO REGIONAL UNIVERSITARIO -UPTC- FACULTAD SECCIONAL DUITAMA.

CONTRATISTA:

GRANCONSTRUCTORA S.A.S
R.L. LUZ MIREYA LOZANO MENDEZ
NIT.860.513.339-3

Vo. Bo.:

DRA. PATRICIA CAROLINA BARRETO BERNAL
Jefe Dirección de Planeación Institucional UPTC

Vo. Bo.:

ARQ. KAROL DE FARIA VERA GUTIÉRREZ
Jefe Departamento de Supervisión y Control UPTC

Vo. Bo.:

ING. SANDRA LILIANA VIRVIESCAS AYALA
Profesional Universitario
Departamento de Supervisión y Control UPTC

Vo. Bo.:

ING. GERARDO PEÑUELA PEREZ
INGENIERO CIVIL M.P. 25202-14492
REVISOR ESTRUCTURAL

DISEÑO ESTRUCTURAL:

FELIPE ALEJANDRO FORERO LUQUE
mat. 00000 - 16241 CND

APROBÓ:

(SELLO CURADURÍA)

CONTENIDO:

BLOQUE 1

DESPIECE DE COLUMNAS

DESPIECE DE ZAPATAS
ESCALA 1:25

ESCALA: **1:100**

PLANO : **E-04**

FECHA: **Agosto 2018**

DE: **39**