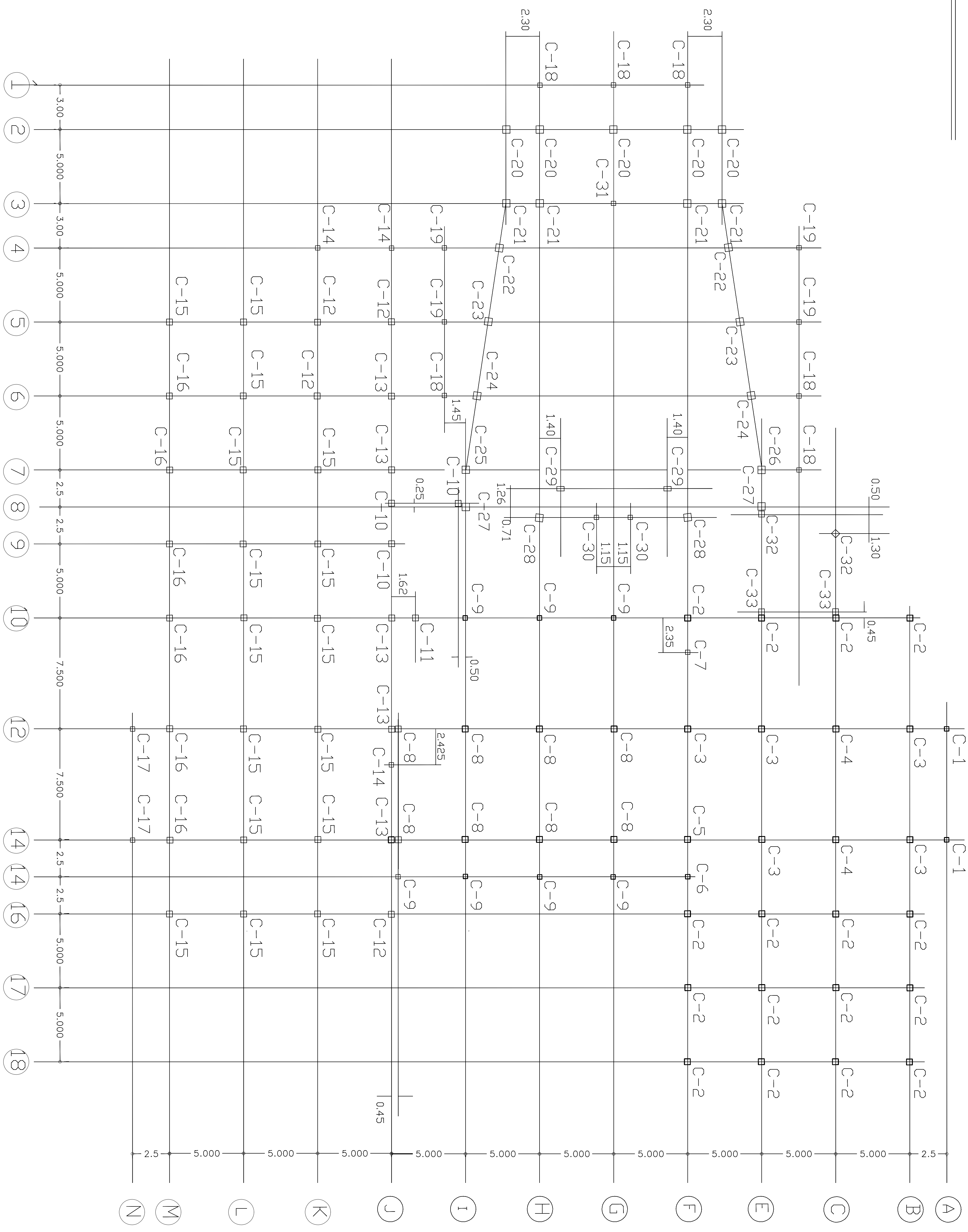
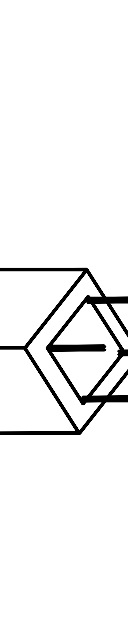


# LOCALIZACION Y DESARROLLO DE COLUMNAS

COLUMNA	NIVELES	SECCION
C-1	N -1.00	0.30 × 0.30
	N +8.75	
C-2	N -1.00	0.40 × 0.40
	N +3.60	
C-3	N +3.60	0.30 × 0.30
	N +7.00	
C-4	N -1.00	0.40 × 0.40
	N +3.60	
C-5	N +8.75	0.30 × 0.30
	N -1.00	
C-6	N +5.35	0.40 × 0.40
	N +8.75	
C-7	N -1.00	0.30 × 0.30
	N +3.60	
C-8	N +0.75	0.40 × 0.40
	N +5.35	
C-9	N +8.75	0.30 × 0.30
	N +0.75	
C-10	N +5.35	0.30 × 0.30
	N +8.75	
C-11	N +0.75	0.40 × 0.40
	N +5.35	
C-12	N +10.50	0.30 × 0.30
	N +0.75	
C-13	N +7.10	0.40 × 0.40
	N +10.50	
C-14	N +7.10	0.30 × 0.30
	N +0.75	
C-15	N +7.10	0.40 × 0.40
	N +2.50	
C-16	N +7.10	0.30 × 0.30
	N +10.50	



201	Centro de Biblioteca y Teatro Universidad Tecnológica de Pereira	<p>MATERIALES</p> <p>Concreto de <math>f'c = 210 \text{ kg/cm}^2</math></p> <p>Hierro de <math>f_y = 4200 \text{ kg/cm}^2</math> Var. <math>1/2''-5/8''-3/4''-7/8''-1''</math></p> <p>Hierro de <math>f_y = 2370 \text{ kg/cm}^2</math> Var. <math>1/4''-3/8''</math></p>	<p>Ing. Fernando Escalante Echeverri Matr. No.25E02-46529 Cund.</p> <p>Vo. Bo. Diseño Estructural</p>	 <p>T E T R A - Diseños Estructurales</p> <p>Fernando Escalante Echeverri (Ing.Civil, MSc, Ph.D.)</p> <p>Cra.7a. Bis No.18B-25 (Pereira-Colombia)</p> <p>Tel. (9663) 34 30 47</p>
Esc.1:200	Localización y Desarrollo de COLUMNAS			