

TPI : Patología Estructural por Explosión - Florida Parque - Bloque 8
DISEÑO INTERVENCIÓN

EVALUACIÓN DE LA ESTRUCTURA EXISTENTE

Estado Actual - NSR-98

Evaluación de Cargas

Cargas

Muerta : 0.6 kN/m²

Viva : 1.8 kN/m²

Analisis Modal

1D + 0.25 L

Peso total Modelado : 7171.2 kN

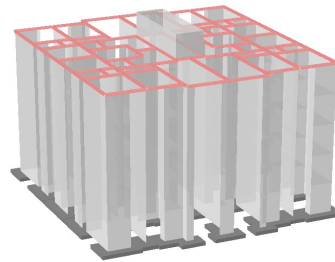
| Modo | t (s) |
|------|-------|
| 1 | 0.463 |
| 2 | 0.207 |
| 3 | 0.1 |

Viento

1D + 0.25 L

Parametros Sismicos

| | | | |
|-------------------------|-----|------------|-----|
| R: | 3.5 | I: | 1 |
| Aa: | 0.2 | S: | 1.2 |
| $\phi_p \cdot \Phi_a$: | 0.9 | ϕ_r : | 1 |



DISEÑO INTERVENCIÓN - ALTERNATIVA REFUERZO SISMICO

Reforzamiento - NSR-10

Cargas

Muerta : 0.6 kN/m²

Viva : 1.8 kN/m²

Analisis Modal

1D + 0 L

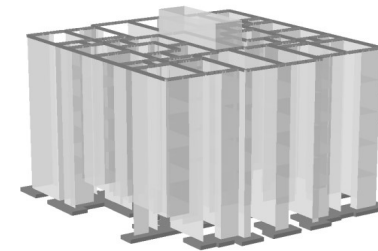
Peso total Modelado : 6705 kN

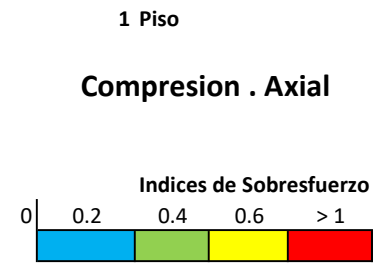
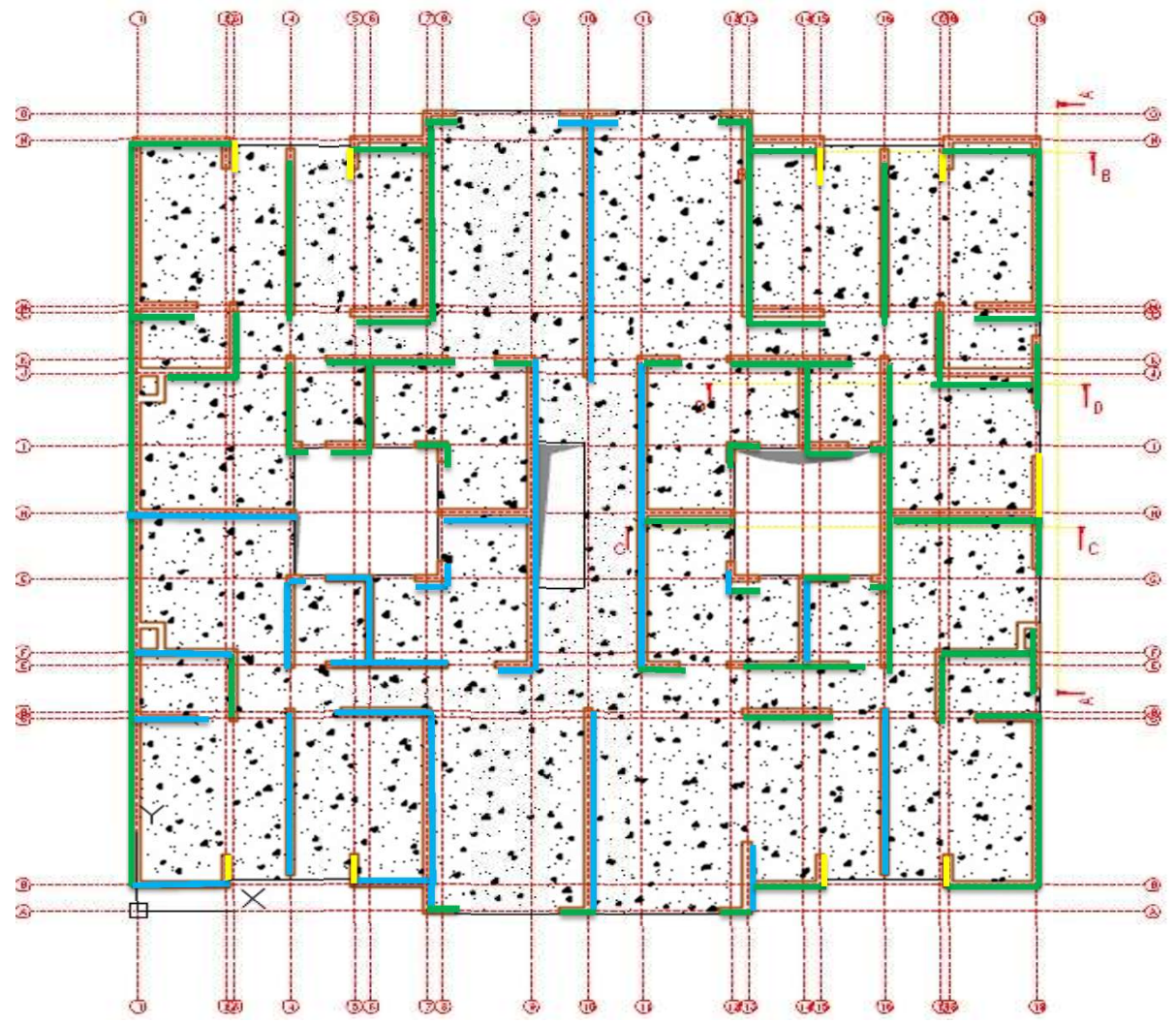
| Modo | t (s) |
|------|-------|
| 1 | 0.398 |
| 2 | 0.18 |
| 3 | 0.095 |

Viento

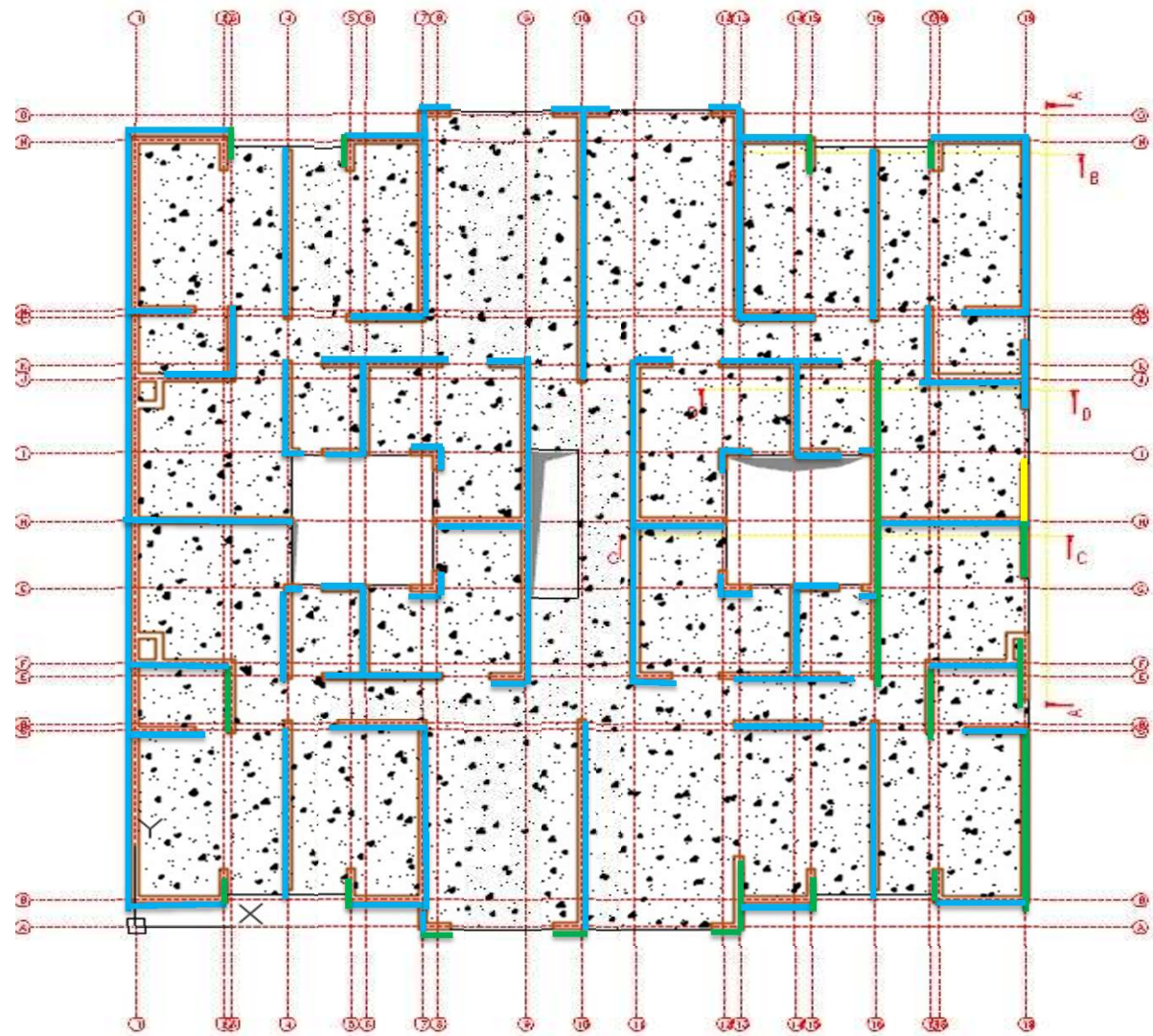
1D + 0 L

| | | | |
|-------------------------|-----|------------|-----|
| S: | D | I: | 1 |
| R: | 2.5 | Av: | 0.2 |
| Aa: | 0.2 | ϕ_r : | 1 |
| $\phi_p \cdot \Phi_a$: | 0.9 | | |



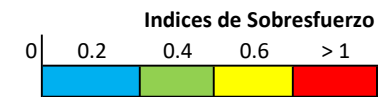


DISEÑO INTERVENCIÓN
ALTERNATIVA REFUERZO SISMICO

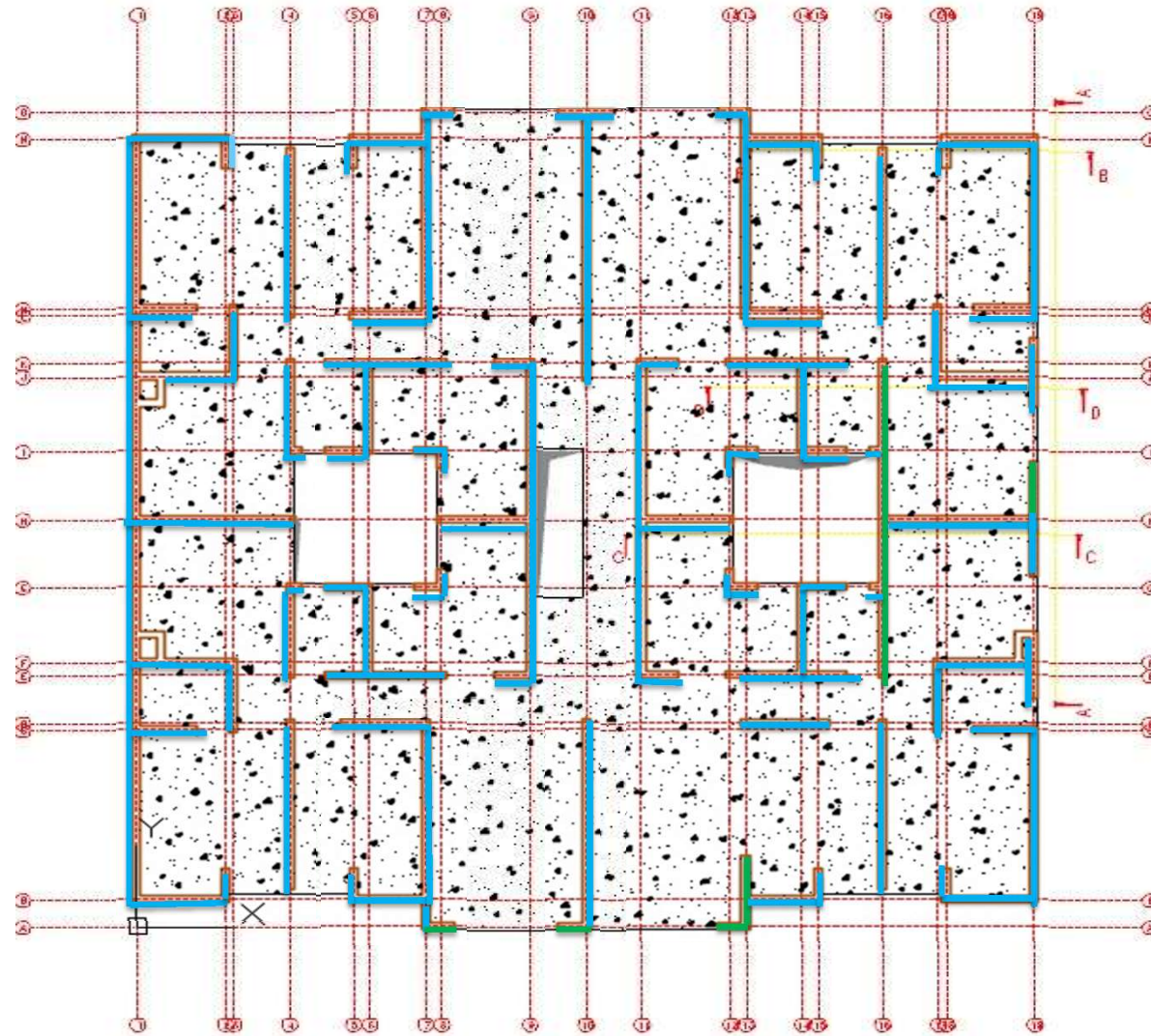


2 Piso

Compresion . Axial

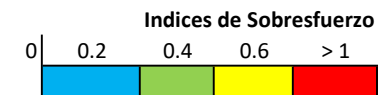


DISEÑO INTERVENCIÓN
ALTERNATIVA REFUERZO SISMICO

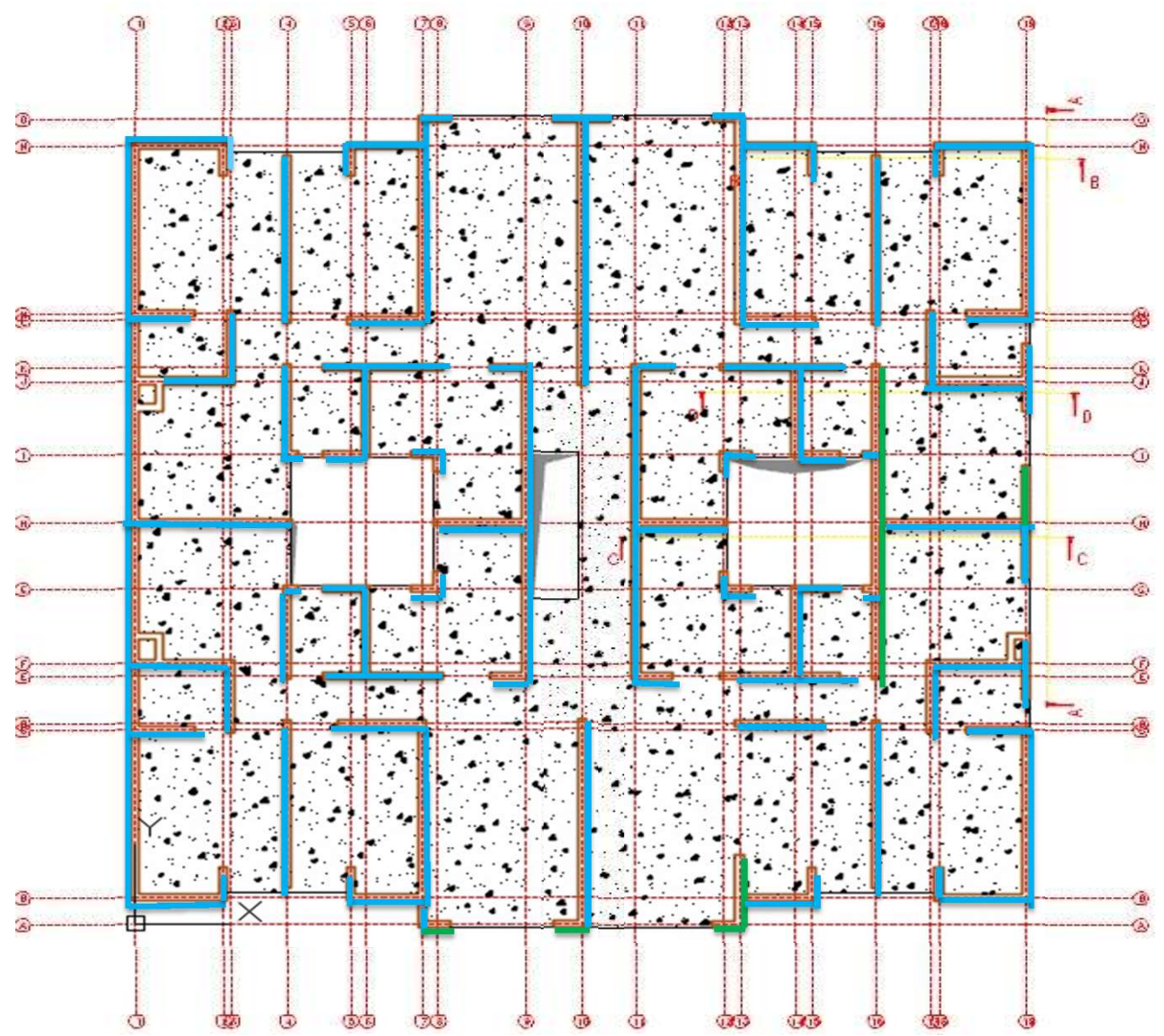


3 Piso

Compresion . Axial

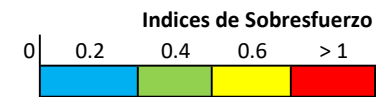


DISEÑO INTERVENCIÓN
ALTERNATIVA REFUERZO SISMICO

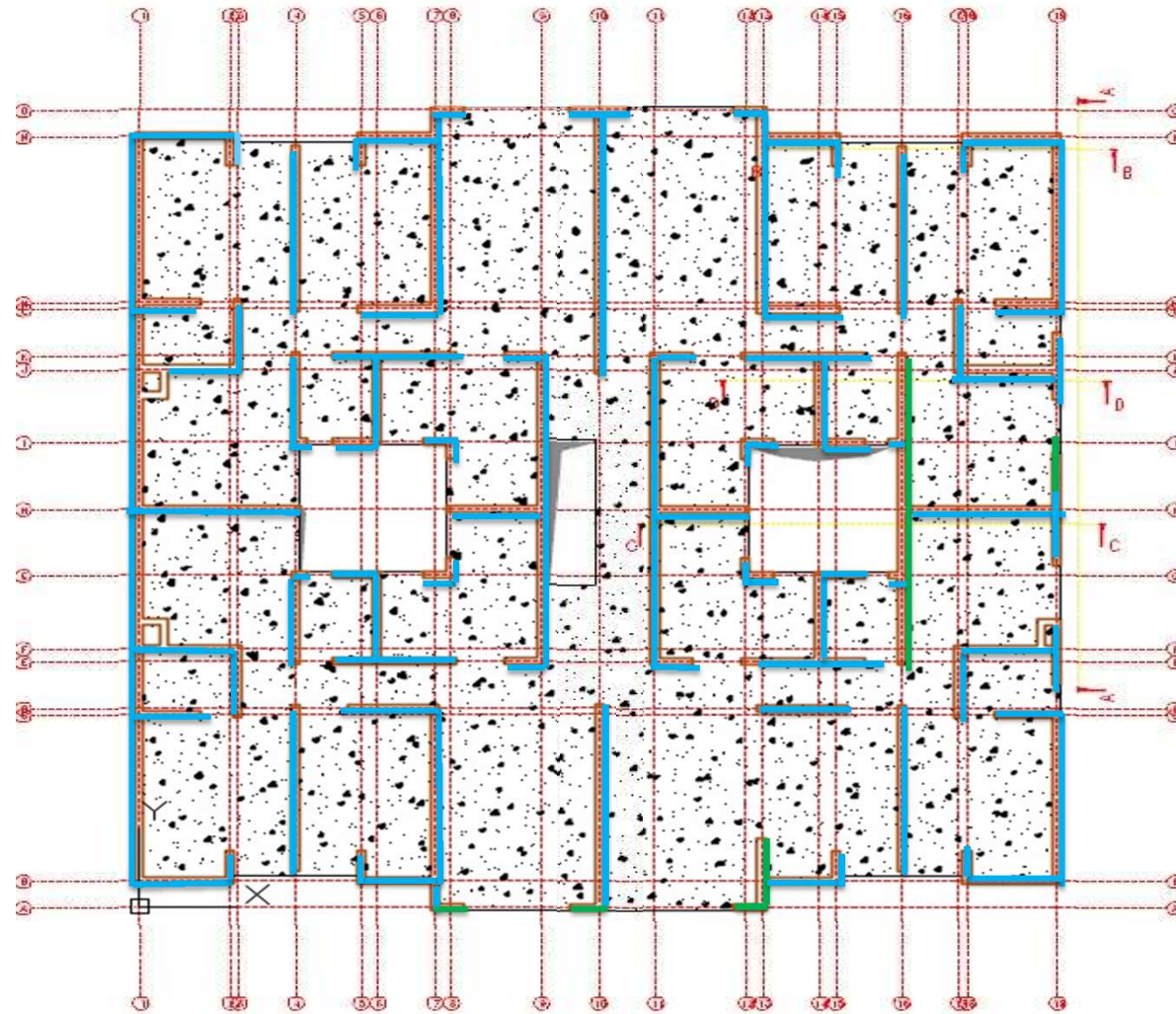


4 Piso

Compresion . Axial

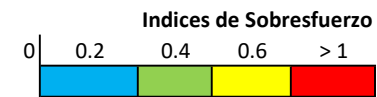


DISEÑO INTERVENCIÓN
ALTERNATIVA REFUERZO SISMICO

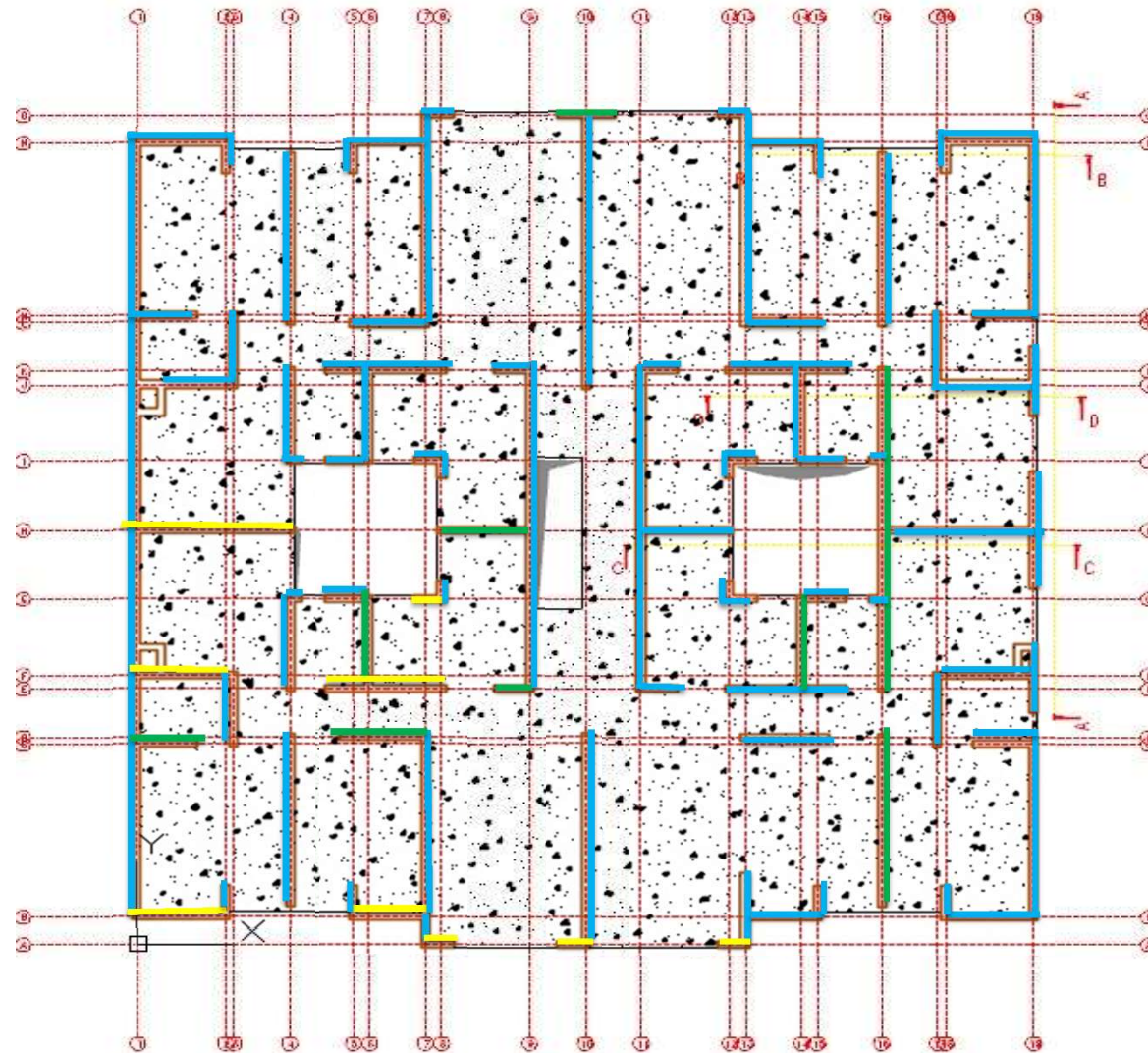


5 Piso

Compresion . Axial

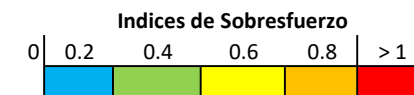


DISEÑO INTERVENCIÓN
ALTERNATIVA REFUERZO SISMICO

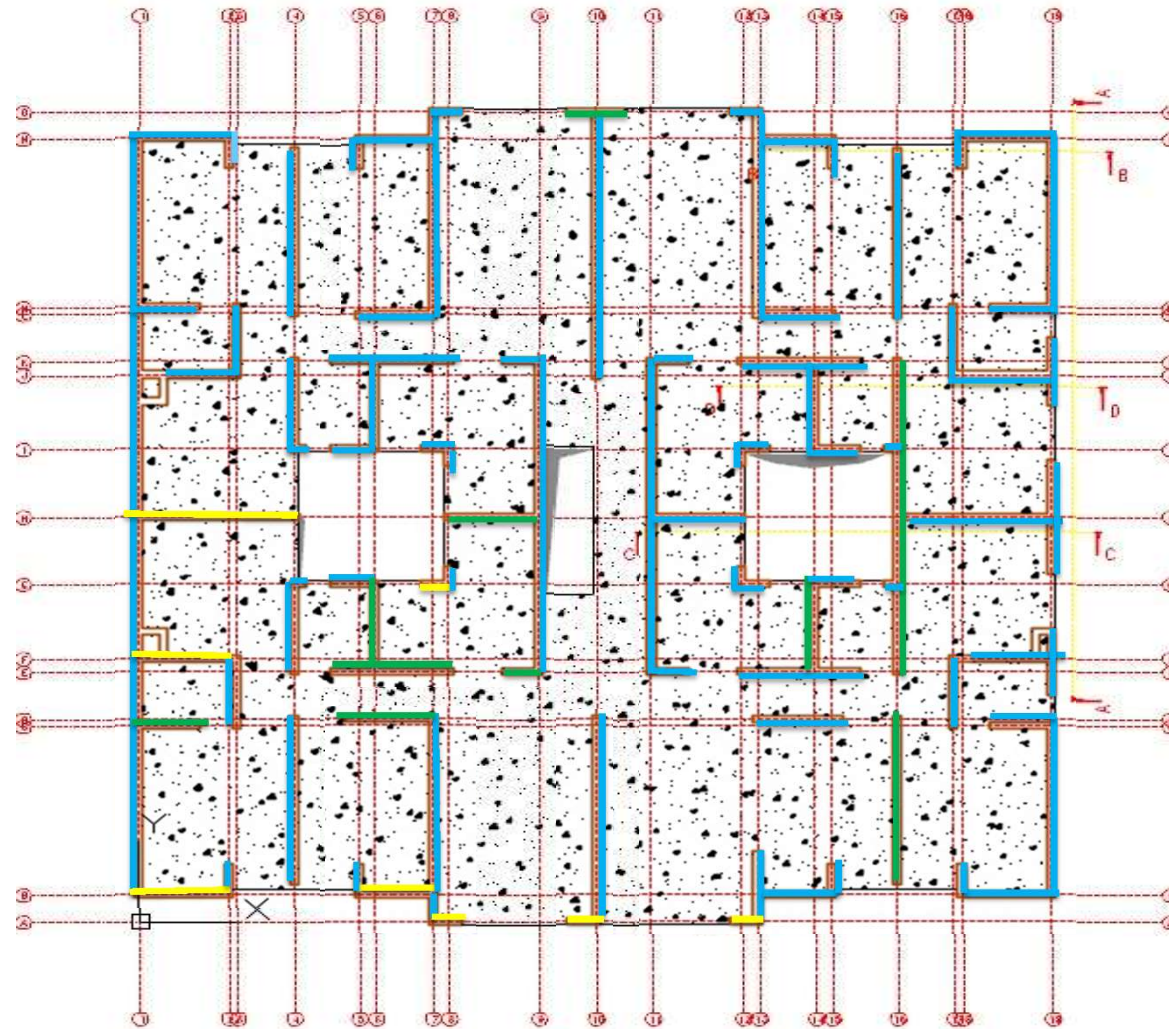


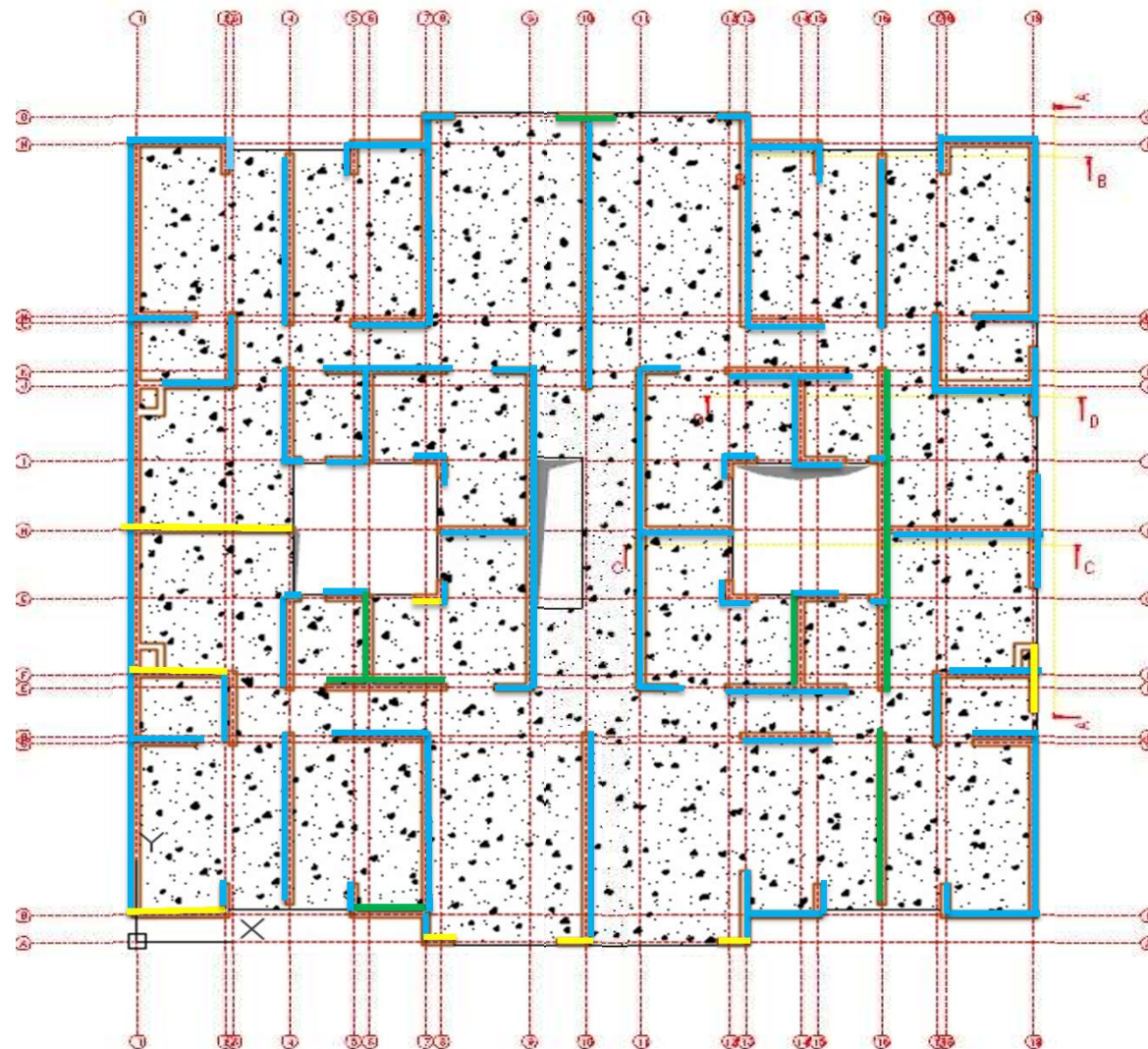
1 Piso

Axial - Flexion



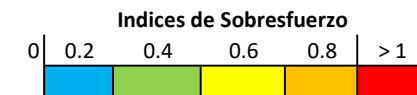
DISEÑO INTERVENCIÓN
ALTERNATIVA REFUERZO SISMICO



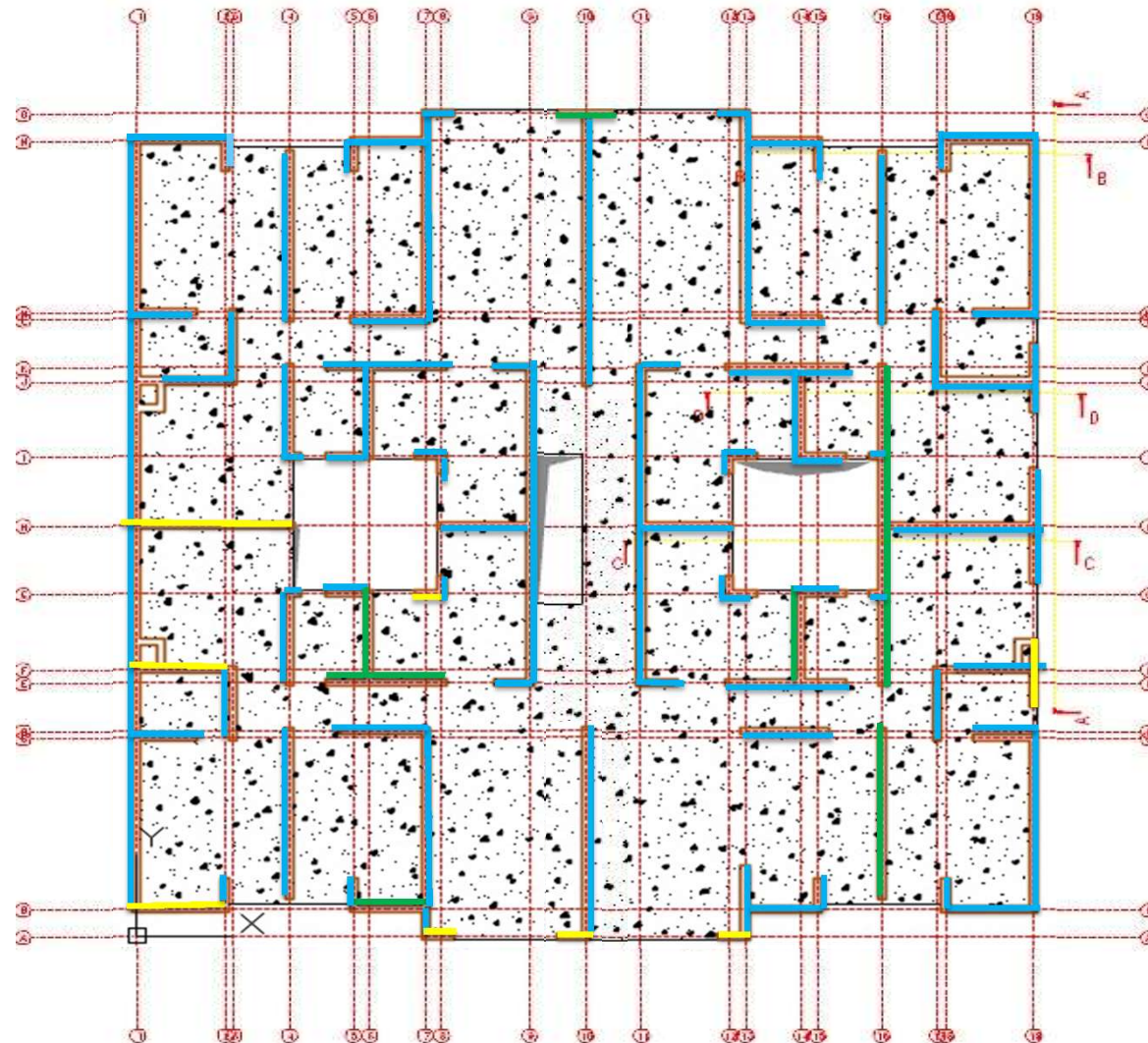


3 Piso

Axial - Flexion

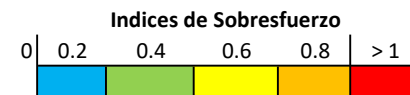


DISEÑO INTERVENCIÓN
ALTERNATIVA REFUERZO SISMICO

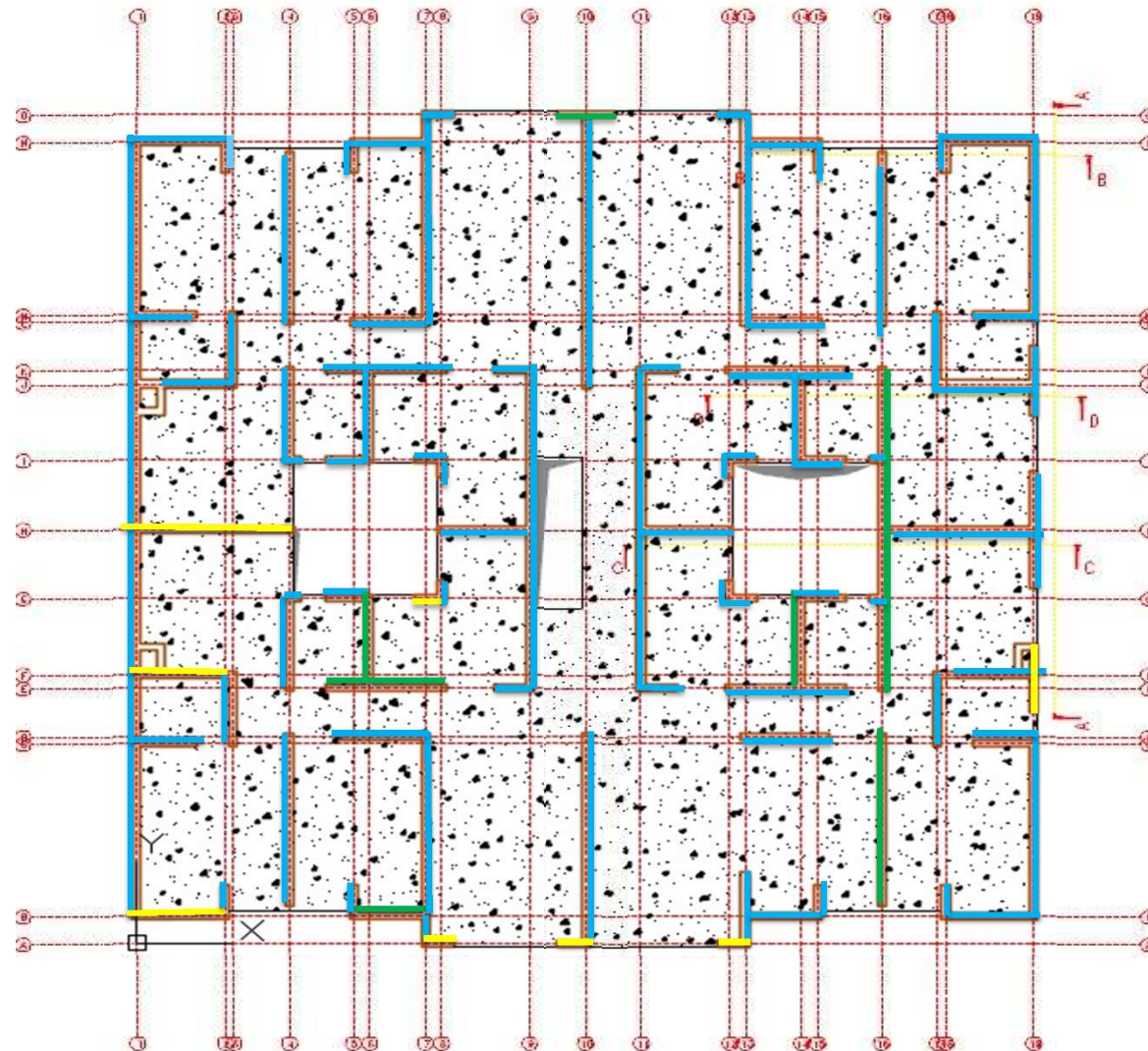


4 Piso

Axial - Flexion

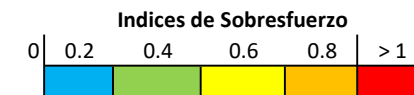


DISEÑO INTERVENCIÓN
ALTERNATIVA REFUERZO SISMICO

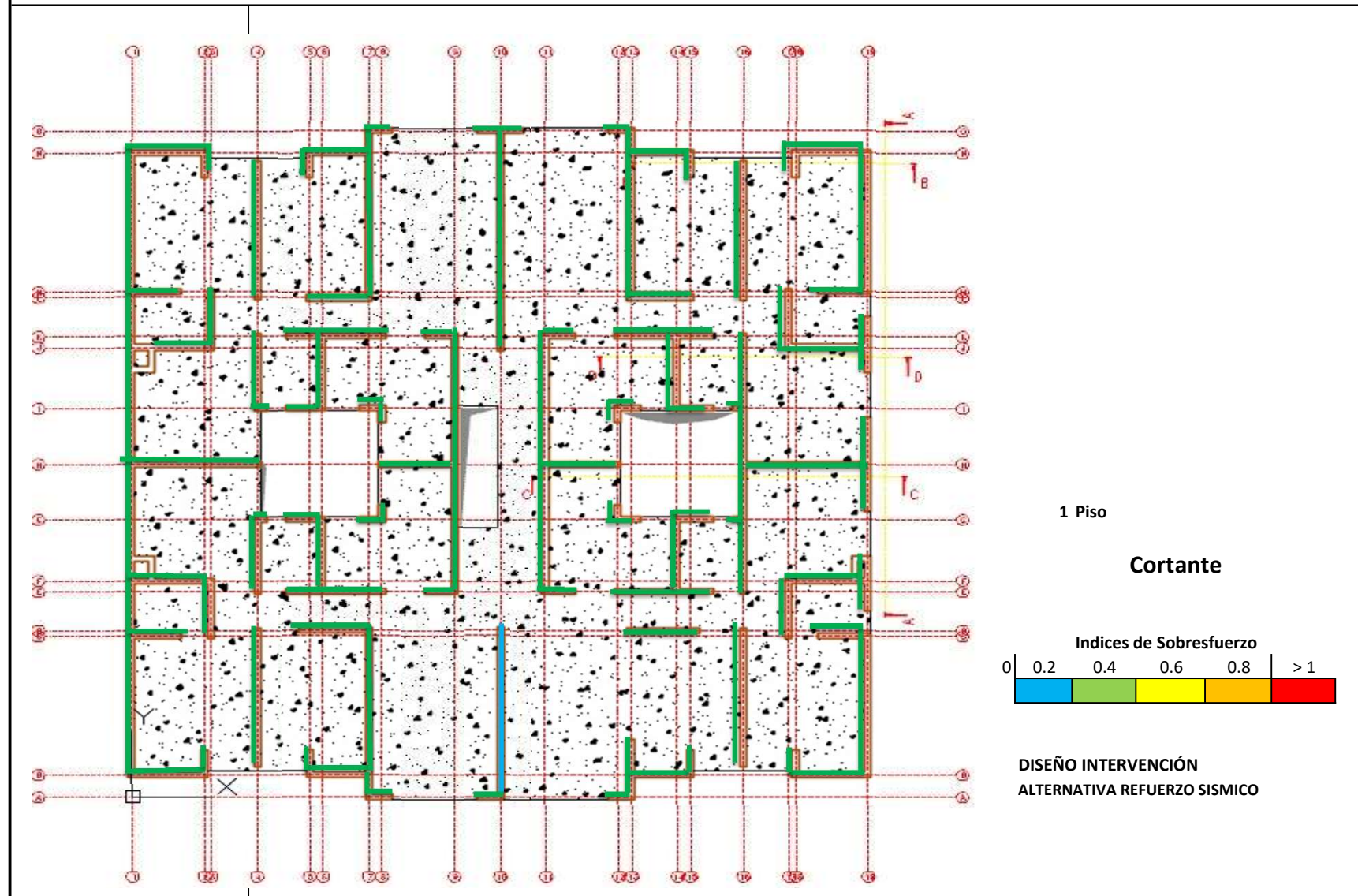


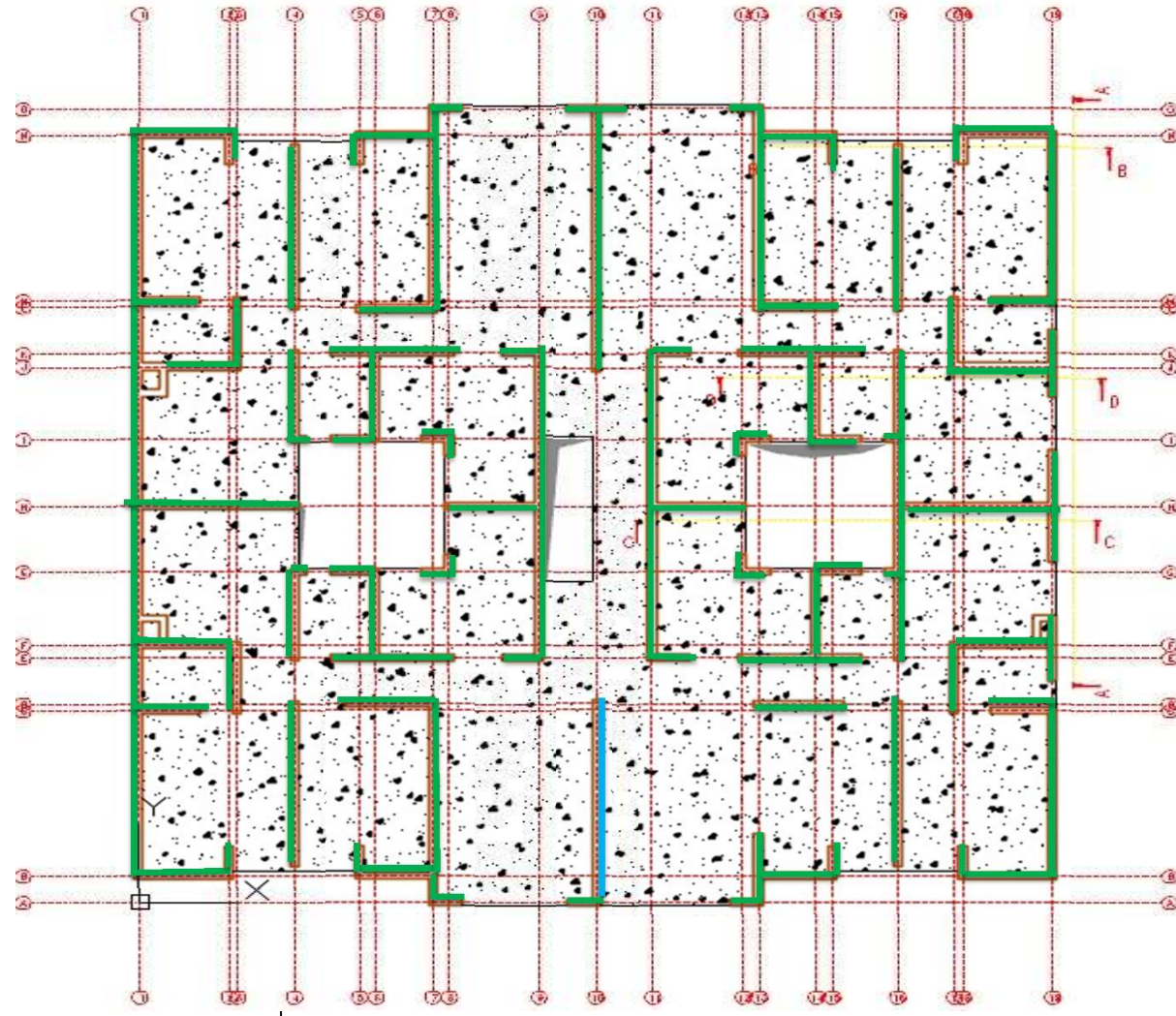
5 Piso

Axial - Flexion



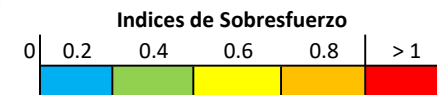
DISEÑO INTERVENCIÓN
ALTERNATIVA REFUERZO SISMICO



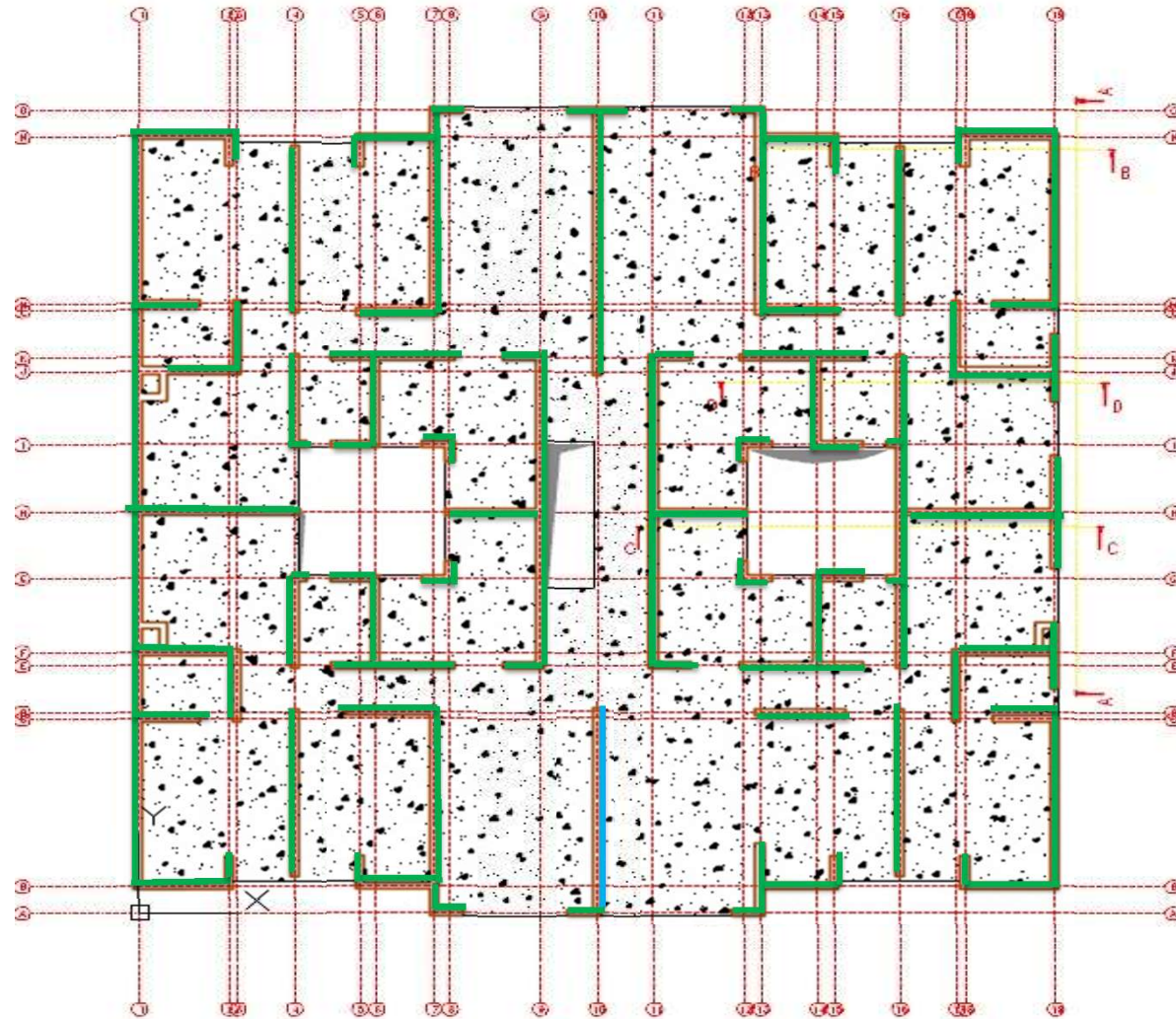


2 Piso

Cortante

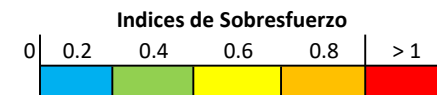


DISEÑO INTERVENCIÓN
ALTERNATIVA REFUERZO SISMICO



3 Piso

Cortante



DISEÑO INTERVENCIÓN
ALTERNATIVA REFUERZO SISMICO

