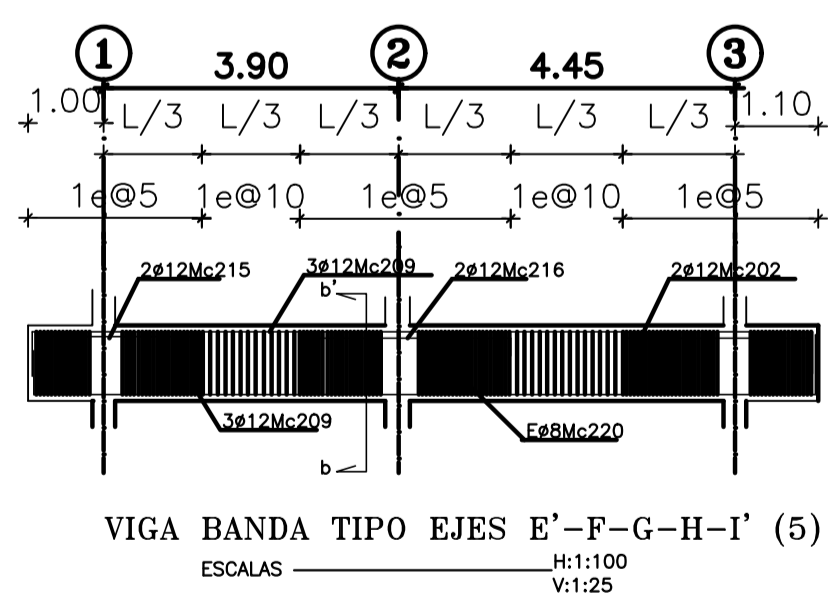
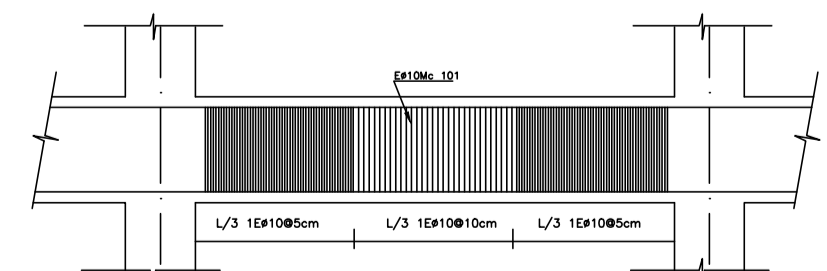


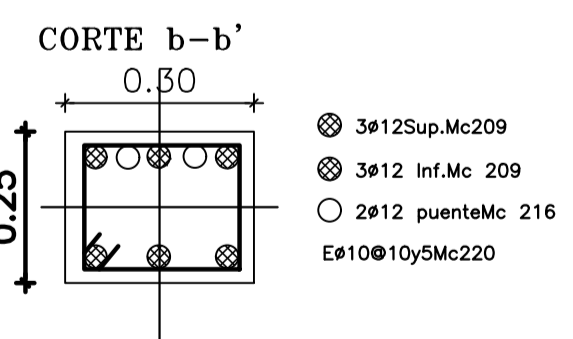
LOSA TIPO DE ENTREPISO N+1.78 e=25cm.  
ESCALA 1:50



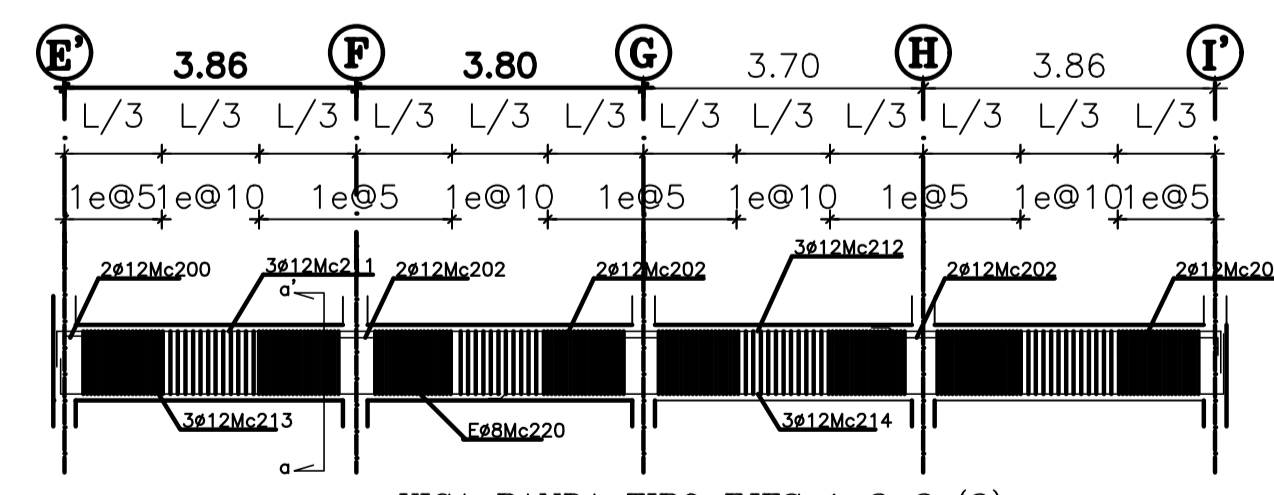
VIGA BANDA TIPO EJES E'-F-G-H-I' (5)  
ESCALAS H:1:100 V:1:25



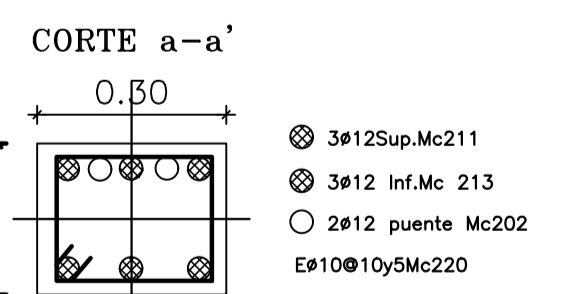
DISTRIBUCION DE ESTRIBOS EN VIGAS



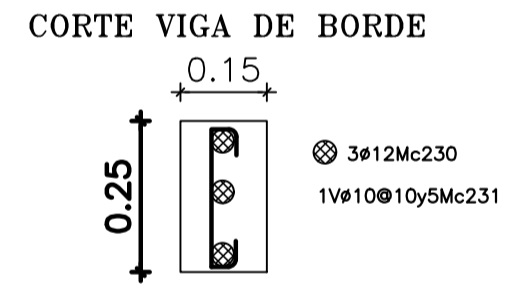
CORTE b-b'



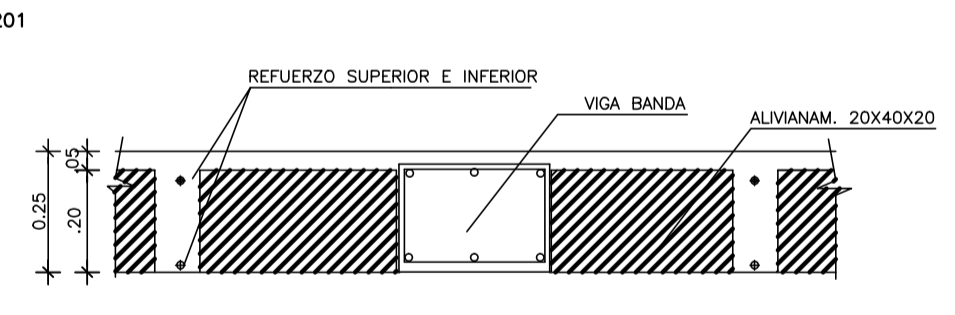
VIGA BANDA TIPO EJES 1-2-3 (3)  
ESCALAS H:1:100 V:1:25



CORTE a-a'



CORTE VIGA DE BORDE



CORTE TIPICO DE LOSA ENTREPISO e=25cm.  
ESCALAS H:1:100 V:1:25

PLANILLA DE ACERO DE REFUERZO

| Mc.   | #  | TIPO | No.  | DIMENSIONES (m) |       |   |       | L.P.  | L.D.    | PESO (Kg) | OBSERVACIONES |
|---|----|------|------|-----------------|-------|---|-------|-------|---------|-----------|---------------|
|   |    |      |      | a               | b     | c | d     |       |         |           |               |
| LOSA DE ENTREPISO N+1.78                              |    |      |      |                 |       |   |       |       |         |           |               |
| 200   | 12 | C    | 23   | 1.40            | 2x.20 |   |       | 1.80  | 41.40   |           |               |
| 201   | 12 | C    | 24   | 2.60            | 2x.20 |   |       | 3.00  | 72.00   |           |               |
| 202   | 12 | C    | 34   | 2.50            | 2x.20 |   |       | 2.00  | 98.60   |           |               |
| 203   | 12 | C    | 40   | 2.40            | 2x.20 |   |       | 2.80  | 112.00  |           |               |
| 204   | 12 | C    | 19   | 2.00            | 2x.20 |   |       | 2.40  | 45.60   |           |               |
| 205   | 12 | L    | 10   | 11.80           | 2x.20 |   |       | 12.00 | 120.00  |           |               |
| 206   | 12 | C    | 10   | 4.10            | 2x.20 |   |       | 4.50  | 45.00   |           |               |
| 207   | 12 | C    | 5    | 10.00           | 2x.20 |   |       | 10.40 | 52.00   |           |               |
| 208   | 12 | C    | 8    | 9.60            | 2x.20 |   |       | 10.00 | 80.00   |           |               |
| 209   | 12 | C    | 6    | 10.30           | 2x.20 |   |       | 10.70 | 64.20   |           |               |
| 210   | 12 | C    | 2    | 5.35            | 2x.20 |   |       | 5.75  | 11.50   |           |               |
| VIGAS DE LOSA DE ENTREPISO N+1.78                     |    |      |      |                 |       |   |       |       |         |           |               |
| 200   | 12 | C    | 6    | 1.40            | 2x.20 |   |       | 1.80  | 10.80   |           |               |
| 202   | 12 | C    | 44   | 2.50            | 2x.20 |   |       | 2.90  | 127.60  |           |               |
| 211   | 12 | C    | 9    | 11.00           | 2x.20 |   |       | 11.40 | 102.60  |           |               |
| 212   | 12 | C    | 9    | 4.60            | 2x.20 |   |       | 5.00  | 45.00   |           |               |
| 213   | 12 | C    | 9    | 5.80            | 2x.20 |   |       | 6.20  | 55.80   |           |               |
| 214   | 12 | C    | 9    | 9.70            | 2x.20 |   |       | 10.10 | 90.90   |           |               |
| 215   | 12 | C    | 10   | 2.20            | 2x.20 |   |       | 2.60  | 26.00   |           |               |
| 216   | 12 | C    | 10   | 2.80            | 2x.20 |   |       | 3.20  | 32.00   |           |               |
| 209   | 12 | C    | 30   | 10.30           | 2x.20 |   |       | 10.70 | 321.00  |           |               |
| 220   | 10 | O    | 1285 | 2x.20           | 2x.25 |   | 2x.10 | 1.10  | 1391.50 |           |               |
| VIGAS DE BORDE LOSA PLANA DE ENTREPISO N+1.78 e=25cm. |    |      |      |                 |       |   |       |       |         |           |               |
| 230   | 12 | C    | 3    | 0.80            | 2x.20 |   |       | 47.70 | 143.10  |           |               |
| 231   | 10 | V    | 600  | 0.20            | 2x.05 |   |       | 0.30  | 180.00  |           |               |

RESUMEN HIERROS TIPOS

| DIAM (mm) | 8 | 10   | 12   | 14 | 16 | 18 | 22 | 25 |
|-----------|---|------|------|----|----|----|----|----|
| LONG (m)  |   | 1572 | 1795 |    |    |    |    |    |
| PESO (Kg) |   | 970  | 1594 |    |    |    |    |    |

RESUMEN MATERIALES

| ELEMENTO                        | HORMIGON (m3) | ELEMENTO(bodega) | HORMIGON (m3) |
|---------------------------------|---------------|------------------|---------------|
| LOSA TIPO                       | 21.50         |                  |               |
| BLOQUES 40x20x15                | =870u.        |                  |               |
| BLOQUES 40x20x10                | =             |                  |               |
| HIERRO EN LOSA TIPO N+1.78 (Kg) | =             | 2564             |               |

ESPECIFICACIONES TECNICAS

NORMAS DE DISEÑO CEC-INEN 2000  
 Capacidad portante del suelo 1.20Kg/cm2. ( a comprobar en obra)  
 Nivel de cimentación -2.68m en casa tipo, -3.74m. en sala comunal  
 f'c = 140 Kg/cm2 ( resplanto) , 180 Kg/cm2 ( h. cloacas), 210 Kg/cm2 ( estructura)  
 fy = 4200 Kg/cm2, fy = 2400 Kg/cm2 ( estructura metálica)  
 Traspases 40 # de As principal

SELLIDOS MUNICIPALES

PROYECTO "BLUE WATER"

CONTIENE: LOSA DE ENTREPISO N+1.78 - CORTES DE VIGAS - DETALLES

|  |   |
|--|---|
| DISEÑO ESTRUCTURAL:<br>ING. JUAN GABRIEL CAILLAGA CASTRO<br>CC:172272150-1 SENECA 10052019-2113209 | PROPIETARIO:<br>SR. LUCIO ERNESTO LARA VILLACIS<br>CI: 1705691572 |
| C. CATASTRAL:<br>16313 08 012<br>Nº PREDIO:<br>571971  | APODERADO:<br>SR. EFRAIN PATRICIO LARA VILLACIS<br>CI: 1708751639 |

|                      |                        |                 |                |
|----------------------|------------------------|-----------------|----------------|
| ESCALA:<br>INDICADAS | FECHA:<br>OCTUBRE 2022 | DIBUJO:<br>L.A. | LAMINA:<br>E-2 |
|----------------------|------------------------|-----------------|----------------|