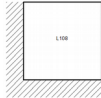
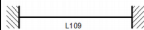



LOSAS
Hormigón

H-25

OBRA: Edificio – Grupo 3
Acero ADN 42/50

| POSICIÓN | LUCES | | RELACIÓN lx / ly - ly / lx | TIPO DE APOYO | CARGAS q _u | REACCIONES | | | | d mín. | MOMENTOS TRAMO | | h | ARMADURA TRAMO | | | | | | MOMENTOS APOYOS | ARMADURA APOYOS | | | | | | |
|----------|-------|-----|-------------------------------|---|--------------------------|------------------|------------------|------------------|------------------|-----------|-----------------|-----------------|----|-----------------|---|------|-----------------|------|------|--------------------|-----------------|------------|------|--------|-------------|----------|---------|
| | lx | ly | | | | R _{uxl} | R _{uxd} | R _{uyi} | R _{uyd} | | M _{ux} | M _{uy} | | A _{sx} | φ | Sep. | A _{sy} | φ | Sep. | | As neces. | LEV. TRAMO | | | ADICIONAL | | |
| | (m) | | | | | (tn) | | | | | (cm) | | | (tm/m) | | (cm) | (cm²) | (mm) | (cm) | | (cm²) | (mm) | (cm) | (tm/m) | (cm²) | Fe (cm²) | φ (mm) |
| 108 | 3,9 | 5,2 | 0,75 |  | 1,27 | | | | | 10,8 | 0,93 | 0,61 | 14 | 2,25 | 8 | 12 | 2,25 | 8 | 20 | -1,62 / -1,21 | 5,03 / 4,19 | | | | 4,24 / 3,60 | 8 | 10 / 12 |
| 109 | 2,5 | 5,2 | 0,48 |  | 1,43 | | | | | 10,8 | 0,37 | - | 14 | 2,25 | 8 | 12 | 2,25 | 8 | 20 | -1,14 | 4,19 | | | | 3,6 | 8 | 12 |
| 110 | 2,5 | 5,2 | 0,48 |  | 1,98 | | | | | 10,8 | 1,27 | - | 14 | 3,6 | 8 | 12 | 2,25 | 8 | 20 | -1,14 | 4,19 | | | | 3,6 | 8 | 12 |

Vigas Hormigón

OBRA:
Acero

[illegible]

Planilla de columnas

Hormigón

PISOS

OBRA:
Acero

[illegible]

Planilla de bases

Hormigón

[illegible]

OBRA:
Acero

[illegible]

[illegible]

Nivel: 1°

Revisión:

| Elemento | Posición | Forma | φ (mm) | Cantidad | Longitud (m) | Total (m) | | | | | | | ADN 42/50 (kg) |
|----------|----------|-------|--------|----------|--------------|-----------|-------|----|----|---------------|----|----|----------------|
| | | | | | | 6 | 8 | 10 | 12 | 16 | 20 | 25 | |
| L108 | P7 | | 8 | 18 | 10,201 | | 183,6 | | | | | | 73,45 |
| L108 | P8 | | 8 | 21 | 1,825 | | 38,3 | | | | | | 15,33 |
| L108 | P9 | | 8 | 28 | 11,146 | | 312,1 | | | | | | 124,84 |
| L108 | P10 | | 8 | 45 | 1,825 | | 82,1 | | | | | | 32,85 |
| L108 | P11 | | 8 | 34 | 1,55 | | 52,7 | | | | | | 21,08 |
| L108 | P20 | | 8 | 21 | 11,0864 | | 232,8 | | | | | | 93,13 |
| L109 | P7 | | 8 | 18 | 10,201 | | 183,6 | | | | | | 73,45 |
| L109 | P9 | | 8 | 28 | 11,146 | | 312,1 | | | | | | 124,84 |
| L109 | P10 | | 8 | 89 | 1,825 | | 162,4 | | | | | | 64,97 |
| L109 | P11 | | 8 | 22 | 1,55 | | 34,1 | | | | | | 13,64 |
| L109 | P12 | | 8 | 14 | 10,1264 | | 141,8 | | | | | | 56,71 |
| L110 | P7 | | 8 | 18 | 10,201 | | 183,6 | | | | | | 73,45 |
| L110 | P9 | | 8 | 28 | 11,146 | | 312,1 | | | | | | 124,84 |
| L110 | P10 | | 8 | 45 | 1,825 | | 82,1 | | | | | | 32,85 |
| L110 | P11 | | 8 | 22 | 1,55 | | 34,1 | | | | | | 13,64 |
| L110 | P12 | | 8 | 14 | 10,1264 | | 141,8 | | | | | | 56,71 |
| | | | | | | | | | | TOTAL = | | | 995,75 |
| | | | | | | | | | | TOTAL + 10% = | | | 1095,32 |