

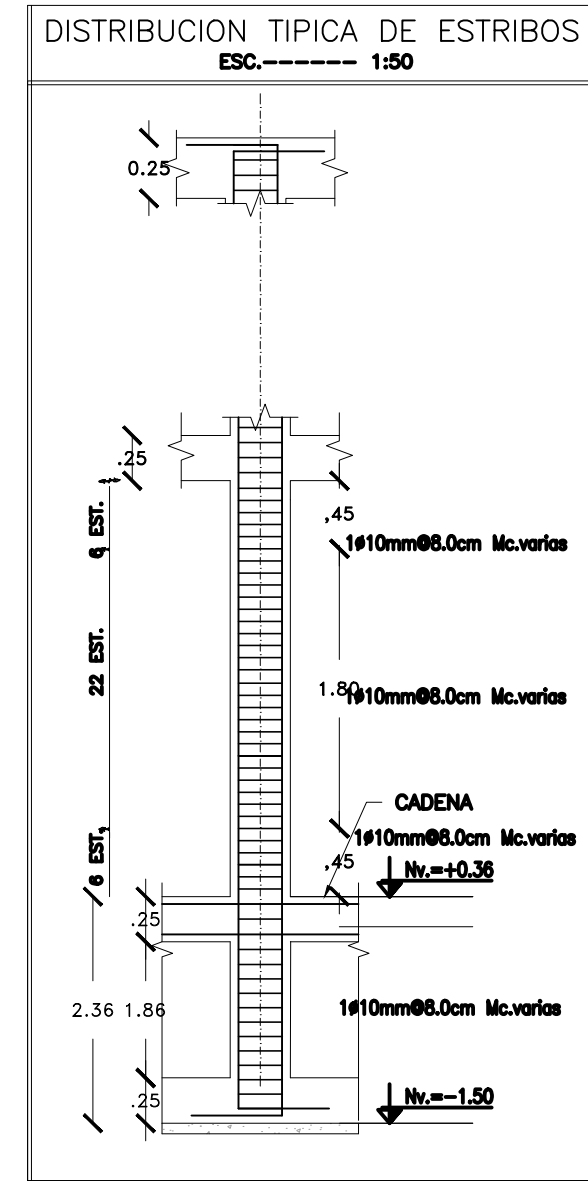
CUADRO DE COLUMNAS

| COLUMNA | QUANTIDAD | DE N-1.50m hasta N +6.12m | ARMADURA: Ø8Ø12 Mc200 | 1EØ10Ø0.08 Mc215 | 1EØ10Ø0.08 Mc216 |
|---------|-----------|---------------------------|-----------------------|------------------|------------------|
| C1 | 8 | | | | |
| C2 | 4 | DE N-1.50m hasta N +8.07m | | | |
| C3 | 4 | DE N-1.50m hasta N +8.29m | | | |

ARMADURA: Ø8Ø12 Mc201 1EØ10Ø0.08 Mc215 1EØ10Ø0.08 Mc216

ARMADURA: Ø8Ø12 Mc202 1EØ10Ø0.08 Mc215 1EØ10Ø0.08 Mc216

RECURRIMIENTO MINIMO 2.50 cm



CUADRO DE PLINTOS

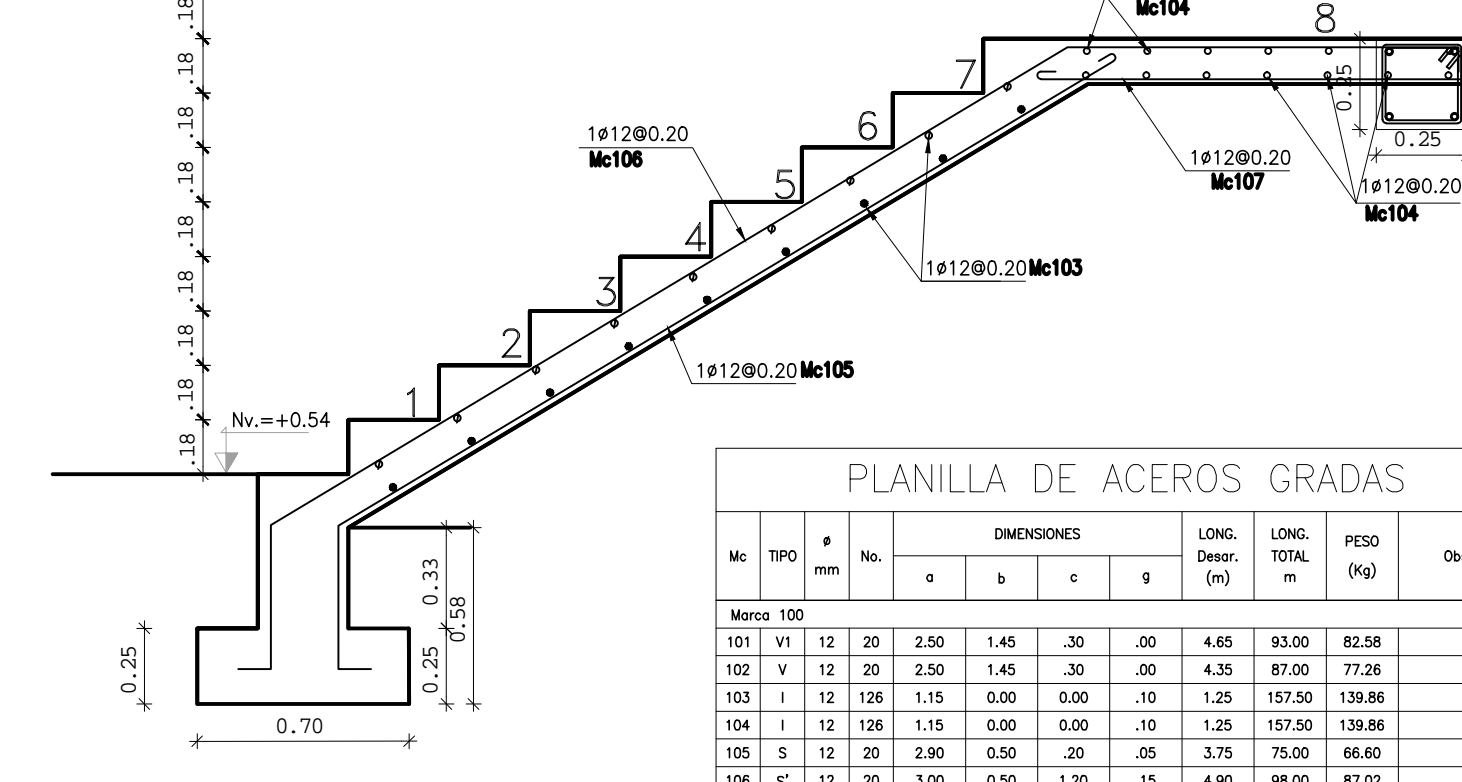
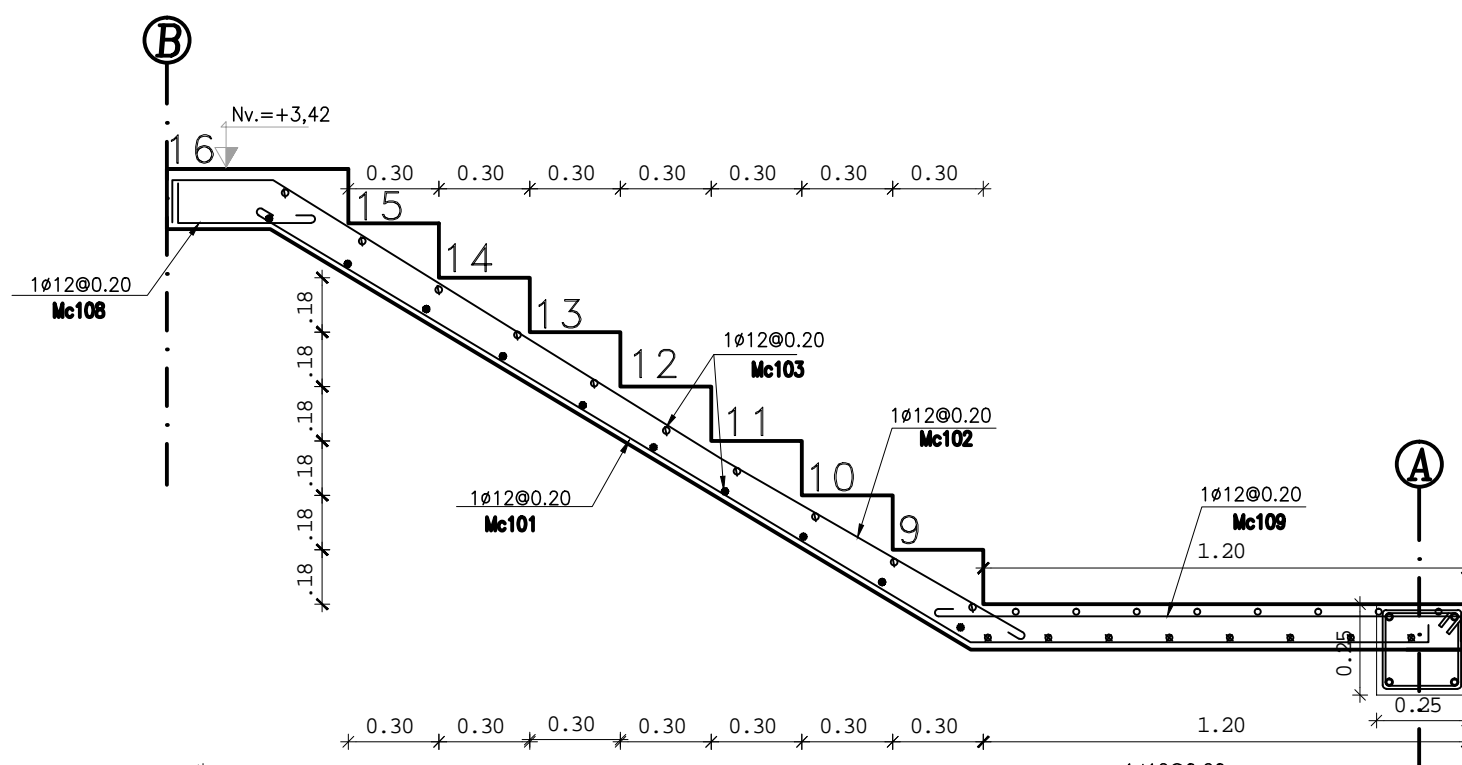
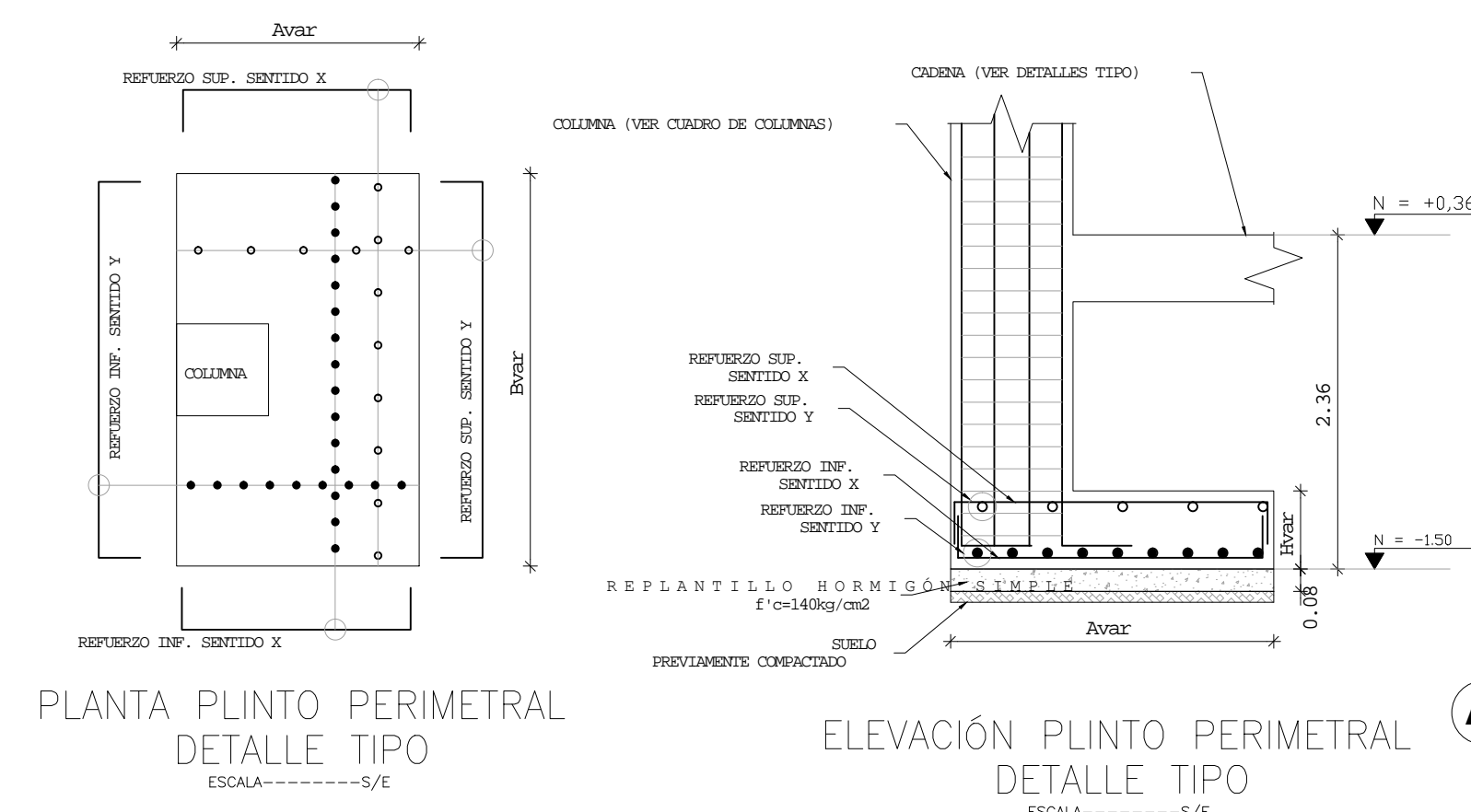
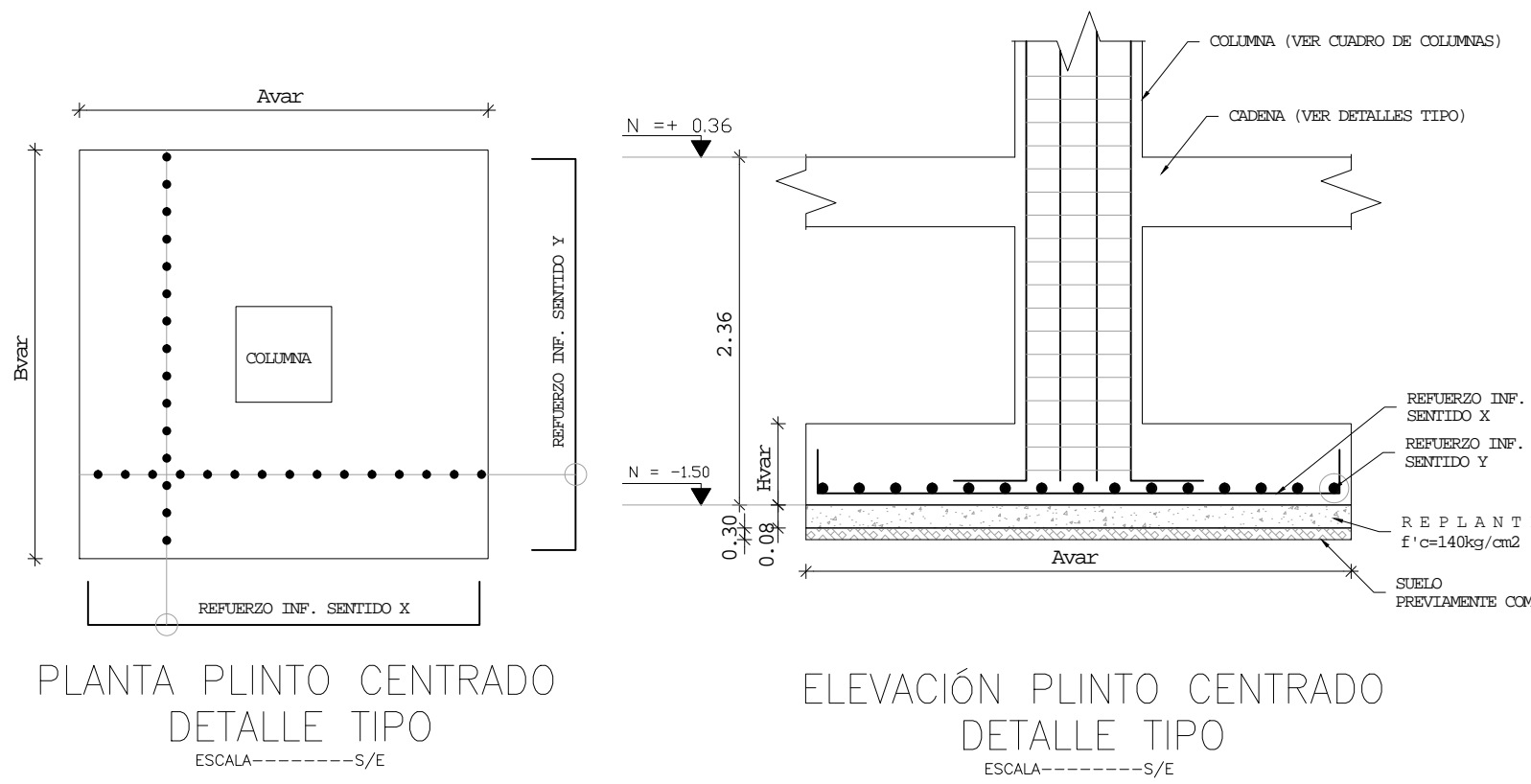
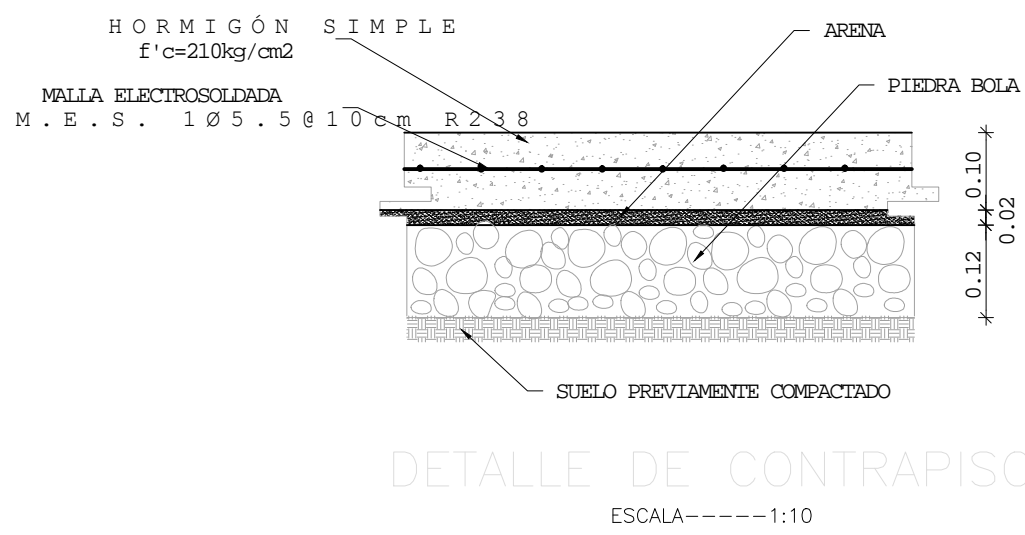
| TIPO | UBICACION EJES | N° | DIMENSIONES (m) | | | ARMADURA | | | NIVELES | | VOL. (m³) | |
|------|----------------|----|-----------------|-------|------|-----------------------|-----------|-----------------------|---------|----------|-----------|------|
| | | | A | B | H | SENTIDO X | SENTIDO Y | N° | CADENA | PLINTO | | |
| P1 | A2-A3-C2-C3 | 4 | 1.00 | 1.00 | 0.25 | 1Ø12Ø0.20m Mc101 BF. | 12 | 1Ø12Ø0.20m Mc101 BF. | 12 | +/-0.00m | -1.00 | 2.58 |
| P2 | B2-B3 | 2 | 1.00 | 1.00 | .25 | 1Ø14Ø15m Mc103 BF. | 12 | 1Ø14Ø15m Mc103 BF. | 12 | +/-0.00m | -1.00 | 1.62 |
| P3 | A1-A4 | 2 | 1.20 | 2.40 | 0.40 | 1Ø14Ø15m Mc104 BF. | 16 | 1Ø14Ø15m Mc105 BF. | 8 | +/-0.00m | -1.00 | 2.30 |
| P4 | B1-C1-D1 | 1 | 1.20 | 10.00 | 0.40 | 1Ø12Ø0.20m Mc108 SUP. | 8 | 1Ø12Ø0.20m Mc108 SUP. | 8 | +/-0.00m | -1.00 | 4.48 |
| | | | | | | 1Ø12Ø0.20m Mc110 SUP. | 88 | 1Ø12Ø0.20m Mc111 SUP. | 8 | +/-0.00m | -1.00 | 4.82 |
| P5 | B4-C4-D4 | 1 | 1.20 | 10.25 | 0.40 | 1Ø12Ø0.20m Mc112 SUP. | 81 | 1Ø12Ø0.20m Mc113 SUP. | 8 | +/-0.00m | -1.00 | 4.87 |
| | | | | | | 1Ø12Ø0.20m Mc114 SUP. | 8 | 1Ø12Ø0.20m Mc117 SUP. | 81 | +/-0.00m | -1.00 | 4.87 |
| P6 | D2-D3 | 1 | 10.18 | 1.20 | 0.40 | 1Ø12Ø0.20m Mc116 SUP. | 8 | 1Ø12Ø0.20m Mc117 SUP. | 81 | +/-0.00m | -1.00 | 4.87 |
| | | | | | | | | | | | 20.73 | |

PLANILLA DE HIERROS

| MARKA | Ø | NO. | TIPO | a | b | c | d | e | f | g | LONGITUD TOTAL (m.) | LONGITUD TOTAL (m.) | PESO (Kg.) | OBSERVACIONES | |
|-------|----|-----|------|-------|------|---|---|---|---|---|---------------------|---------------------|------------|---------------|--|
| 101 | 12 | 100 | C | 1.50 | 0.20 | | | | | | 1.90 | 182.40 | 161.97 | | |
| 103 | 14 | 48 | C | 1.70 | 0.20 | | | | | | 2.10 | 100.80 | 121.77 | | |
| 104 | 12 | 32 | C | 1.40 | 0.20 | | | | | | 1.80 | 48.00 | 51.68 | | |
| 105 | 14 | 16 | C | 2.30 | 0.20 | | | | | | 2.70 | 43.20 | 52.19 | | |
| 112 | 12 | 57 | C | 1.10 | 0.20 | | | | | | 1.50 | 85.50 | 75.92 | | |
| 113 | 12 | 32 | C | 2.30 | 0.20 | | | | | | 2.30 | 32.00 | 28.77 | | |
| 106 | 12 | 62 | C | 1.10 | 0.20 | | | | | | 1.50 | 93.00 | 146.75 | | |
| 107 | 16 | 8 | C | 10.40 | 0.20 | | | | | | 10.80 | 86.40 | 136.34 | | |
| 108 | 12 | 48 | C | 1.10 | 0.20 | | | | | | 1.50 | 69.00 | 61.27 | | |
| 109 | 12 | 6 | C | 10.40 | 0.20 | | | | | | 10.60 | 64.80 | 57.54 | | |
| 110 | 16 | 8 | C | 1.10 | 0.20 | | | | | | 1.50 | 102.00 | 160.96 | | |
| 114 | 16 | 8 | C | 10.15 | 0.20 | | | | | | 10.35 | 84.00 | 123.18 | | |
| 114 | 16 | 8 | C | 10.65 | 0.20 | | | | | | 10.45 | 83.60 | 131.92 | | |
| 115 | 16 | 67 | C | 1.10 | 0.20 | | | | | | 1.50 | 100.50 | 159.59 | | |
| 116 | 12 | 32 | C | 10.50 | 0.20 | | | | | | 10.40 | 62.70 | 55.69 | | |
| 117 | 12 | 51 | C | 1.10 | 0.20 | | | | | | 1.50 | 76.50 | 67.93 | | |
| 130 | 12 | 36 | C | 1.20 | 0.20 | | | | | | 12.00 | 432.00 | 372.96 | | |
| 131 | 16 | 100 | C | 0.20 | 0.20 | | | | | | 0.10 | 1.00 | 700.00 | 431.90 | |
| | | | | | | | | | | | PESO TOTAL (Kg.) | 2411.62 | | | |

PLANILLA DE HIERROS COLUMNAS

| MARKA | Ø | NO. | TIPO | a | b | c | d | e | f | g | LONGITUD TOTAL (m.) | LONGITUD TOTAL (m.) | PESO (Kg.) | OBSERVACIONES | |
|-------|----|------|------|-------|------|---|---|---|---|---|---------------------|---------------------|------------|---------------|--|
| 200 | 12 | 64 | L | 7.80 | 0.30 | | | | | | 7.80 | 508.80 | 401.81 | | |
| 201 | 12 | 32 | L | 8.40 | 0.30 | | | | | | 8.80 | 316.80 | 271.68 | | |
| 202 | 12 | 32 | L | 10.85 | 0.30 | | | | | | 11.20 | 358.40 | 318.26 | | |
| 210 | 16 | 1600 | O | 0.20 | 0.20 | | | | | | 0.10 | 1.20 | 2184.00 | 1347.53 | |
| 216 | 16 | 1600 | O | 0.20 | 0.20 | | | | | | 0.10 | 1.00 | 1820.00 | 1122.94 | |
| | | | | | | | | | | | PESO TOTAL (Kg.) | 3819.62 | | | |

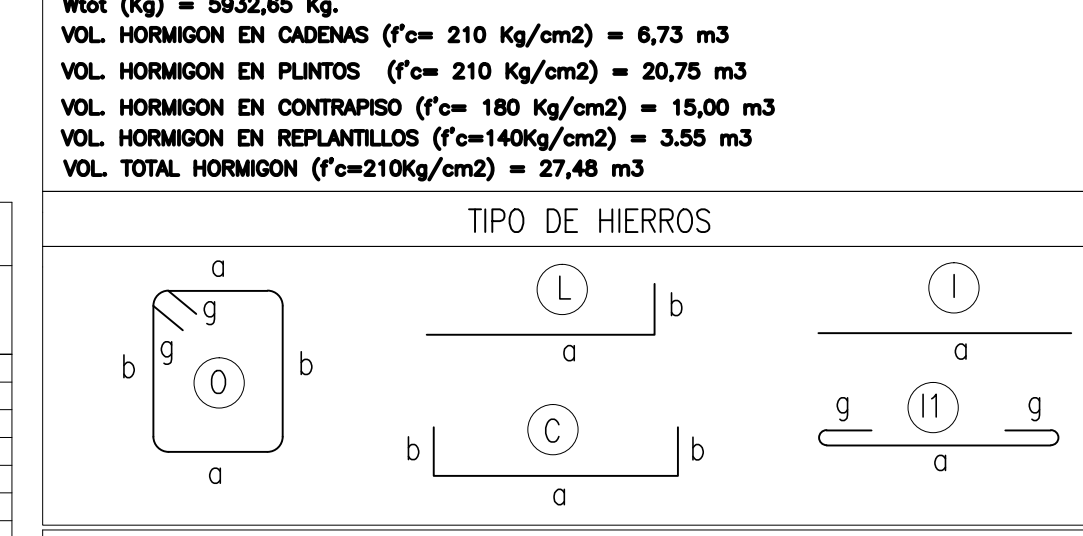


PLANILLA DE ACEROS GRADAS

| Me | TIPO | Ø | NO. | a | b | c | d | e | f | g | LONG. DESAR. (m) | LONG. TOTAL (m) | PESO (Kg) | Obsv. |
|-----|------|----|-----|------|------|------|------|------|------|------|------------------|-----------------|-----------|-------|
| 101 | V1 | 12 | 20 | 2.50 | 1.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.65 | 93.00 | 82.58 | |
| 102 | V | 12 | 20 | 2.50 | 1.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.35 | 87.00 | 77.26 | |
| 103 | I | 12 | 126 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.25 | 157.50 | 139.86 | |
| 104 | I | 12 | 126 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.25 | 157.50 | 139.86 | |
| 105 | S | 12 | 20 | 2.90 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.75 | 75.00 | 66.60 | |
| 106 | S | 12 | 20 | 3.00 | 0.50 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 4.90 | 98.00 | 87.02 | |
| 107 | L1 | 12 | 20 | 1.40 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.70 | 34.00 | 30.19 | |
| 108 | L1 | 12 | 20 | .45 | .15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 13.00 | 11.54 | |
| 109 | L2 | 12 | 20 | 1.50 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.75 | 35.00 | 31.08 | |
| 110 | O | 10 | 4 | 0.20 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.80 | 11.20 | 6.92 | |
| 130 | I | 12 | 4 | 5.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.80 | 23.20 | 20.60 | |
| 131 | O | 10 | 4 | 0.20 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 40.00 | 24.68 | |

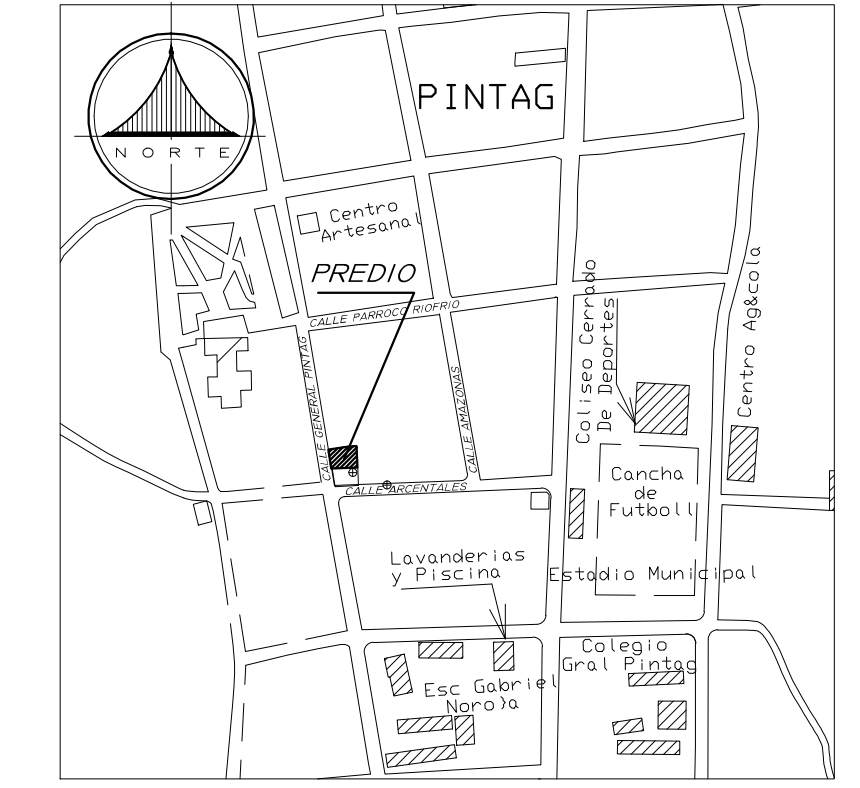
RESUMEN DE MATERIALES

| Ø (mm) | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 25 | 28 | 32 |
|-----------|---------|---------|--------|--------|-------|-------|-------|-------|-------|-------|----|
| V (Kg/m) | 0.617 | 0.898 | 1.208 | 1.578 | 1.998 | 2.466 | 2.984 | 3.853 | 4.834 | 6.310 | |
| L (m) | 4704.00 | 2174.10 | 192.00 | 549.90 | | | | | | | |
| PESO (Kg) | 2902.37 | 1930.60 | 231.94 | 867.74 | | | | | | | |



ESPECIFICACIONES TECNICAS

- PARA EL HORMIGÓN DE PLINTOS DE CIMENTACION $f_c = 210 \text{ kg/cm}^2$ A LOS 28 DÍAS.
- CAPACIDAD ADMISIBLE ASUMIDA DEL SUELO = 12.00 Ton/m². VERIFICAR EN OBRA.
- LOS PLINTOS DE CIMENTACION SE CIMENTAN A UNA PROFUNDIDAD DE -1.50m A PARTIR DEL ACTUAL DEL PROYECTO ARQUITECTÓNICO.
- LA CIMENTACION SERA PLINTOS ASLADOS Y CORRIDO.
- LAS ACOTACIONES PREVALEN SOBRE LA ESCALA.
- NORMA UTILIZADA: MED-VIENDA-SE-2015 Y ACI 318-14L. PROYECTO NO CONTEMPLA MUROS.



Ubicación: ESCALA S/E

Proyecto: **RESIDENCIA DE LA SRA. VILMA MARINA GALLARDO Y FAMILIA**

Propietarios: *[Signatures]*

Diseño: **Ing. Xavier S. Villafuerte V.** DISECONS
REGISTRO SENESCYT: 1005-06-694603 R.M. 4809 0984 535 831

Contiene:

- Planta de Cimentacion
- Detalles - Gradadas
- Cortes
- Planilla de Hierros

Indicadas: JUNIO 2019

Clave Catastral: 24226 02 011 Predio: 121661

Área lote: ---m² Zonificación: --- COS PB COS TOTAL

Diseño Estructural: *[Signature]*
Ing. Xavier Villafuerte V. 1712424926

Ubicación: PARROQUIA PINTAG CALLE GENERAL PINTAG BARRIO SAN JUAN DE LA TOLA

Lámina: **E-1/3**

Sellos Municipales: *[Stamp]*