

|      |                                   |          |      |     |             |                       |                 |
|------|-----------------------------------|----------|------|-----|-------------|-----------------------|-----------------|
| 1.00 | Preliminares:                     |          |      |     |             |                       |                 |
| No.  | Descripción                       | Cantidad | FACT | UD  | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$) |
| 1.01 | Limpieza del area                 | 1.00     |      | UD  |             |                       | 160.12          |
| 1.00 | Materiales                        |          |      |     |             |                       |                 |
| 1.01 | Herbicida Glifosato Granulado 75% | 0.04     | 1.00 | gl  | 251.69      | 1,650.00              | 66.00           |
|      | Sub-total de materiales           |          |      |     |             |                       | 66.00           |
| 2.00 | Mano de obra                      |          |      |     |             |                       |                 |
| 2.01 | Ayudante (Limpieza)               | 0.04     | 1.00 | día | -           | 1,260.34              | 50.41           |
| 2.02 | Peon (1 TNC)                      | 0.04     | 1.00 | día | -           | 980.59                | 39.22           |
|      | Sub-total Mano de obra            |          |      |     |             |                       | 89.64           |
| 3.00 | Equipos                           |          |      |     |             |                       |                 |
| 3.01 | 5 % de la mano de obra            | 5%       | 1.00 | %   |             | 89.64                 | 4.48            |
|      | Sub-total Mano de Equipos         |          |      |     |             |                       | 4.48            |
|      | TOTAL ANALISIS:                   |          |      |     |             | COSTO/M2              | RD\$ 160.12     |

|      |                                                                    |          |      |        |             |                       |                 |
|------|--------------------------------------------------------------------|----------|------|--------|-------------|-----------------------|-----------------|
| No.  | Descripción                                                        | Cantidad | FACT | UD     | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$) |
| 1.03 | Replanteo                                                          | 1.00     |      | UD     |             |                       | 20,270.66       |
| 1.00 | Materiales                                                         |          |      |        |             |                       |                 |
| 1.01 | Madera + 10% de desperdicio (4 usos)                               | 19.62    | 1.00 | P2     | 15.56       | 102.00                | 2,000.90        |
| 1.02 | Clavos Corrientes                                                  | 4.00     | 1.00 | Lb     | 9.15        | 60.00                 | 240.00          |
| 1.03 | Cal (Fda. 50 Lb)                                                   | 2.00     | 1.00 | Fda    | 76.27       | 500.00                | 1,000.00        |
| 1.04 | Hilo Nylon                                                         | 2.00     | 1.00 | Lb     | 9.92        | 65.00                 | 130.00          |
|      | Sub-total de materiales                                            |          |      |        |             |                       | 3,370.90        |
| 2.00 | Mano de obra                                                       |          |      |        |             |                       |                 |
| 2.01 | Carpintero (Operario de 1ra.)                                      | 1.00     | 1.00 | día    | -           | 2,334.67              | 2,334.67        |
| 2.02 | Ayudante carpintero (1 Av)                                         | 1.00     | 1.00 | día    | -           | 1,260.34              | 1,260.34        |
| 2.03 | Brigada Topografica reducida (1 Topografo, 1 portamiras, 1 chofer) | 1.00     | 1.00 | Visita | -           | 12,500.00             | 12,500.00       |
|      | Sub-total Mano de obra                                             |          |      |        |             |                       | 16,095.01       |
| 3.00 | Equipos                                                            |          |      |        |             |                       |                 |
| 3.01 | 5 % de la mano de obra                                             | 5%       | 1.00 | %      |             | 16,095.01             | 804.75          |
|      | Sub-total Mano de Equipos                                          |          |      |        |             |                       | 804.75          |
|      | TOTAL ANALISIS:                                                    |          |      |        |             | COSTO/UD              | RD\$ 20,270.66  |

|      |                                             |          |      |     |             |                       |                 |
|------|---------------------------------------------|----------|------|-----|-------------|-----------------------|-----------------|
| No.  | Descripción                                 | Cantidad | FACT | UD  | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$) |
| 1.03 | Demolicion de Garita del Edificio adyacente | 1.00     |      | UD  |             |                       | 11,746.52       |
| 1.00 | Materiales                                  |          |      |     |             |                       |                 |
| 1.01 | Mandaria de 12lb                            | 2.00     | 1.00 | ud  | 279.46      | 1,832.00              | 3,664.00        |
| 1.02 | Marco p/seguela (metálico)                  | 1.00     | 1.00 | ud  | 81.31       | 533.00                | 533.00          |
|      | Sub-total de materiales                     |          |      |     |             |                       | 4,197.00        |
| 2.00 | Mano de obra                                |          |      |     |             |                       |                 |
| 2.01 | (Operario de 1ra.)                          | 2.00     | 1.00 | día | -           | 2,334.67              | 4,669.34        |
| 2.02 | Ayudante carpintero (1 Av)                  | 2.00     | 1.00 | día | -           | 1,260.34              | 2,520.68        |
|      | Sub-total Mano de obra                      |          |      |     |             |                       | 7,190.02        |
| 3.00 | Equipos                                     |          |      |     |             |                       |                 |
| 3.01 | 5 % de la mano de obra                      | 5%       | 1.00 | %   |             | 7,190.02              | 359.50          |
|      | Sub-total Mano de Equipos                   |          |      |     |             |                       | 359.50          |
|      | TOTAL ANALISIS:                             |          |      |     |             | COSTO/UD              | RD\$ 11,746.52  |

|      |                                       |          |      |      |             |                       |                 |
|------|---------------------------------------|----------|------|------|-------------|-----------------------|-----------------|
| No.  | Descripción                           | Cantidad | FACT | UD   | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$) |
| 1.04 | Demolicion de Rampa adyacente al Muro | 1.00     |      | UD   |             |                       | 1,751.55        |
| 1.00 | Materiales                            |          |      |      |             |                       |                 |
|      | Sub-total de materiales               |          |      |      |             |                       | -               |
| 2.00 | Mano de obra                          |          |      |      |             |                       |                 |
| 2.01 | Operador de Compresor                 | 1.00     | 1.00 | Hora | -           | 233.43                | 233.43          |
| 2.02 | Ayudante carpintero (1 Av)            | 1.00     | 1.00 | Hora | -           | 157.54                | 157.54          |



|      |                                                                                   |          |      |       |            |                      |                |
|------|-----------------------------------------------------------------------------------|----------|------|-------|------------|----------------------|----------------|
|      | Sub-total Mano de obra                                                            |          |      |       |            |                      | 390.97         |
| 3.00 | Equipos                                                                           |          |      |       |            |                      |                |
| 3.01 | 5 % de la mano de obra                                                            | 5%       | 1.00 | %     |            | 390.97               | 19.55          |
| 3.02 | Alquiler Compresor IngersollRand 185CFM (incl. combustible y lubricante)          | 0,73     | 1,00 | Hora  | 279.46     | 1,832.00             | 1,341.02       |
|      | Sub-total Mano de Equipos                                                         |          |      |       |            |                      | 1,360.57       |
|      | TOTAL ANALISIS:                                                                   |          |      |       |            | COSTO/M3             | RDS 1,751.55   |
|      |                                                                                   |          |      |       |            |                      |                |
|      |                                                                                   |          |      |       |            |                      |                |
| No.  | Descripción                                                                       | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 4.00 | Demolicion de Canaleta adyacente al Muro                                          | 1.00     |      | UD    |            |                      | 4,485.04       |
| 1.00 | Materiales                                                                        |          |      |       |            |                      |                |
|      | Sub-total de materiales                                                           |          |      |       |            |                      | -              |
| 2.00 | Mano de obra                                                                      |          |      |       |            |                      |                |
| 2.01 | Operador de Compresor                                                             | 2.00     | 1.00 | Hora  | -          | 233.43               | 466.86         |
| 2.02 | Ayudante carpintero (1 Av)                                                        | 2.00     | 1.00 | Hora  | -          | 157.54               | 315.09         |
|      | Sub-total Mano de obra                                                            |          |      |       |            |                      | 781.95         |
| 3.00 | Equipos                                                                           |          |      |       |            |                      |                |
| 3.01 | 5 % de la mano de obra                                                            | 5%       | 1.00 | %     |            | 781.95               | 39.10          |
| 3.02 | Alquiler Compresor IngersollRand 185CFM (incl. combustible y lubricante)          | 2.00     | 1.00 | Hora  | 279.46     | 1,832.00             | 3,664.00       |
|      | Sub-total Mano de Equipos                                                         |          |      |       |            |                      | 3,703.10       |
|      | TOTAL ANALISIS:                                                                   |          |      |       |            | COSTO/UD             | RDS 4,485.04   |
|      |                                                                                   |          |      |       |            |                      |                |
|      |                                                                                   |          |      |       |            |                      |                |
| No.  | Descripción                                                                       | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 1.04 | Bote de escombros.                                                                | 1.00 m3  |      | UD    |            |                      | 8,537.60       |
| 1.00 | Materiales                                                                        |          |      |       |            |                      |                |
| 0.00 |                                                                                   |          |      |       | -          | -                    | -              |
|      | Sub-total de materiales                                                           |          |      |       |            |                      | -              |
| 2.00 | Mano de obra                                                                      |          |      |       |            |                      |                |
| 2.01 | Ayudante (limpieza)                                                               | 0.50     | 1.00 | día   | -          | 1,260.34             | 630.17         |
| 2.02 | Peon (1 TNC)                                                                      | 0.50     | 1.00 | día   | -          | 980.59               | 490.30         |
|      | Sub-total Mano de obra                                                            |          |      |       |            |                      | 1,120.47       |
| 3.00 | Equipos                                                                           |          |      |       |            |                      |                |
| 3.02 | Retroexcavadora 320-CAT (incluye combustible y lubr. Y Operador ) (Rend. 18 m3 H) | 2.00     | 1.00 | hr    | 27.54      | 180.56               | 361.11         |
| 3.01 | Bote de Escombros                                                                 | 2.00     | 1.00 | Viaje | 533.90     | 3,500.00             | 7,000.00       |
| 3.02 | 5 % de la mano de obra                                                            | 5%       | 1.00 | %     |            | 1,120.47             | 56.02          |
|      | Sub-total Mano de Equipos                                                         |          |      |       |            |                      | 7,417.13       |
|      | TOTAL ANALISIS:                                                                   |          |      |       |            | COSTO/UD             | RDS 8,537.60   |
|      |                                                                                   |          |      |       |            |                      |                |
|      |                                                                                   |          |      |       |            |                      |                |
| No.  | Descripción                                                                       | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 2.01 | Demolicion de Muro de Contencion existente Con Compresor                          | 1.00     |      | UD    |            |                      | 1,747.88       |
| 1.00 | Materiales                                                                        |          |      |       |            |                      |                |
|      | Sub-total de materiales                                                           |          |      |       |            |                      | -              |
| 2.00 | Mano de obra                                                                      |          |      |       |            |                      |                |
| 2.01 | Operador de Compresor                                                             | 1.00     | 1.00 | Hora  | -          | 233.43               | 233.43         |
| 2.02 | Ayudante (1 Av)                                                                   | 1.00     | 1.00 | Hora  | -          | 157.54               | 157.54         |
|      | Sub-total Mano de obra                                                            |          |      |       |            |                      | 390.97         |
| 3.00 | Equipos                                                                           |          |      |       |            |                      |                |
| 3.01 | 5 % de la mano de obra                                                            | 5%       | 1.00 | %     |            | 390.97               | 19.55          |
| 3.02 | Alquiler Compresor IngersollRand 185CFM (incl. combustible y lubricante)          | 0,73     | 1,00 | Hora  | 279.46     | 1,832.00             | 1,337.36       |
|      | Sub-total Mano de Equipos                                                         |          |      |       |            |                      | 1,356.91       |
|      | TOTAL ANALISIS:                                                                   |          |      |       |            | COSTO/M3             | RDS 1,747.88   |
|      |                                                                                   |          |      |       |            |                      |                |
|      |                                                                                   |          |      |       |            |                      |                |
| No.  | Descripción                                                                       | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 2.02 | Demolicion de Zapata de Muro de Contencion existente con Compresor                | 1.00     |      | UD    |            |                      | 1,747.88       |
| 1.00 | Materiales                                                                        |          |      |       |            |                      |                |
|      | Sub-total de materiales                                                           |          |      |       |            |                      | -              |
| 2.00 | Mano de obra                                                                      |          |      |       |            |                      |                |





|      |                                                                                   |          |      |      |            |                      |                     |
|------|-----------------------------------------------------------------------------------|----------|------|------|------------|----------------------|---------------------|
| 2.01 | Operador de Compresor                                                             | 1.00     | 1.00 | Hora | -          | 233.43               | 233.43              |
| 2.02 | Ayudante (1 Ay)                                                                   | 1.00     | 1.00 | Hora | -          | 157.54               | 157.54              |
|      | <b>Sub-total Mano de obra</b>                                                     |          |      |      |            |                      | <b>390.97</b>       |
| 3.00 | <b>Equipos</b>                                                                    |          |      |      |            |                      |                     |
| 3.01 | 5 % de la mano de obra                                                            | 5%       | 1.00 | %    |            | 390.97               | 19.55               |
| 3.02 | Alquiler Compresor IngersollRand 185CFM (incl. combustible y lubricante)          | 0.73     | 1.00 | Hora | 279.46     | 1,832.00             | 1,337.36            |
|      | <b>Sub-total Mano de Equipos</b>                                                  |          |      |      |            |                      | <b>1,356.91</b>     |
|      | <b>TOTAL ANALISIS:</b>                                                            |          |      |      |            | <b>COSTO/M3</b>      | <b>RDS 1,747.88</b> |
|      |                                                                                   |          |      |      |            |                      |                     |
| No.  | Descripción                                                                       | Cantidad | FACT | UD   | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS)      |
| 2.03 | Excavacion de material proximo al muro. (Con Equipo)                              | 1.00 m3  |      | UD   |            |                      | 474.68              |
| 1.00 | <b>Materiales</b>                                                                 |          |      |      |            |                      |                     |
| 0.00 |                                                                                   |          |      |      | -          | -                    | -                   |
|      | <b>Sub-total de materiales</b>                                                    |          |      |      |            |                      |                     |
| 2.00 | <b>Mano de obra</b>                                                               |          |      |      |            |                      |                     |
| 2.01 | Ayudante (limpieza)                                                               | 0.13     | 1.00 | día  | -          | 1,260.34             | 157.54              |
| 2.02 | Peon (1 TNC)                                                                      | 0.13     | 1.00 | día  | -          | 980.59               | 122.57              |
|      | <b>Sub-total Mano de obra</b>                                                     |          |      |      |            |                      | <b>280.12</b>       |
| 3.00 | <b>Equipos</b>                                                                    |          |      |      |            |                      |                     |
| 3.01 | Retroexcavadora 320-CAT (incluye combustible y lubr. Y Operador ) (Rend. 18 m3 H) | 1.00     | 1.00 | hr   | 27.54      | 180.56               | 180.56              |
| 3.02 | 5 % de la mano de obra                                                            | 5%       | 1.00 | %    |            | 280.12               | 14.01               |
|      | <b>Sub-total Mano de Equipos</b>                                                  |          |      |      |            |                      | <b>194.56</b>       |
|      | <b>TOTAL ANALISIS:</b>                                                            |          |      |      |            | <b>COSTO/M3</b>      | <b>RDS 474.68</b>   |
|      |                                                                                   |          |      |      |            |                      |                     |
| No.  | Descripción                                                                       | Cantidad | FACT | UD   | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS)      |
| 2.04 | Excavacion de material en area de zapata del muro. (Con Equipo)                   | 1.00 m3  |      | UD   |            |                      | 474.68              |
| 1.00 | <b>Materiales</b>                                                                 |          |      |      |            |                      |                     |
| 0.00 |                                                                                   |          |      |      | -          | -                    | -                   |
|      | <b>Sub-total de materiales</b>                                                    |          |      |      |            |                      |                     |
| 2.00 | <b>Mano de obra</b>                                                               |          |      |      |            |                      |                     |
| 2.01 | Ayudante (limpieza)                                                               | 0.13     | 1.00 | día  | -          | 1,260.34             | 157.54              |
| 2.02 | Peon (1 TNC)                                                                      | 0.13     | 1.00 | día  | -          | 980.59               | 122.57              |
|      | <b>Sub-total Mano de obra</b>                                                     |          |      |      |            |                      | <b>280.12</b>       |
| 3.00 | <b>Equipos</b>                                                                    |          |      |      |            |                      |                     |
| 3.01 | Retroexcavadora 320-CAT (incluye combustible y lubr. Y Operador ) (Rend. 18 m3 H) | 1.00     | 1.00 | hr   | 27.54      | 180.56               | 180.56              |
| 3.02 | 5 % de la mano de obra                                                            | 5%       | 1.00 | %    |            | 280.12               | 14.01               |
|      | <b>Sub-total Mano de Equipos</b>                                                  |          |      |      |            |                      | <b>194.56</b>       |
|      | <b>TOTAL ANALISIS:</b>                                                            |          |      |      |            | <b>COSTO/M3</b>      | <b>RDS 474.68</b>   |
|      |                                                                                   |          |      |      |            |                      |                     |
| No.  | Descripción                                                                       | Cantidad | FACT | UD   | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS)      |
| 2.05 | Bote de Material Excavado (Con Equipo) (Factor de Esp. = 1.20)                    | 1.00 m3  |      | UD   |            |                      | 439.31              |
| 1.00 | <b>Materiales</b>                                                                 |          |      |      |            |                      |                     |
| 0.00 |                                                                                   |          |      |      | -          | -                    | -                   |
|      | <b>Sub-total de materiales</b>                                                    |          |      |      |            |                      |                     |
| 2.00 | <b>Mano de obra</b>                                                               |          |      |      |            |                      |                     |
|      | <b>Sub-total Mano de obra</b>                                                     |          |      |      |            |                      |                     |
| 3.00 | <b>Equipos</b>                                                                    |          |      |      |            |                      |                     |
| 3.02 | Retroexcavadora 320-CAT (incluye combustible y lubr. Y Operador ) (Rend. 18 m3 H) | 0.01     | 1.00 | hr   | 27.54      | 180.56               | 1.81                |
| 3.01 | Bote de Escombros                                                                 | 1.00     | 1.00 | M3   | 66.74      | 437.50               | 437.50              |
| 3.02 | 5 % de la mano de obra                                                            | 5%       | 1.00 | %    |            | -                    | -                   |
|      | <b>Sub-total Mano de Equipos</b>                                                  |          |      |      |            |                      | <b>439.31</b>       |
|      | <b>TOTAL ANALISIS:</b>                                                            |          |      |      |            | <b>COSTO/UD</b>      | <b>RDS 439.31</b>   |
|      |                                                                                   |          |      |      |            |                      |                     |
| No.  | Descripción                                                                       | Cantidad | FACT | UD   | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS)      |
| 2.06 | Refreno compactado caliche (Con Equipo) ( Factor de Comp. = 1.30)                 | 1.00     |      |      |            |                      | 917.31              |
| 1.00 | <b>Materiales</b>                                                                 |          |      |      |            |                      |                     |
| 1.10 | Suministro Caliche fino                                                           | 1.00     | 1.00 | m3   | 68.64      | 450.00               | 450.00              |
| 1.10 | Agua                                                                              | 15.86    | 1.00 | gl   | 0.46       | 3.00                 | 47.58               |





|      |                                                                                                                                                                  |          |      |       |            |                      |                |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-------|------------|----------------------|----------------|
|      | Sub-total de materiales                                                                                                                                          |          |      |       |            |                      | 497.58         |
| 2.00 | Mano de obra                                                                                                                                                     |          |      |       |            |                      |                |
| 2.01 | Oper. 2da Apisonamiento.                                                                                                                                         | 0.07     | 1.00 | día   |            | 1,867.44             | 127.04         |
|      | Trabajador no calificado, Rearr. mojar                                                                                                                           | 0.07     | 1.00 | día   |            | 980.59               | 66.71          |
|      | Trabajador no calificado Trasl. Mat.                                                                                                                             | 0.07     | 1.00 | día   |            | 980.59               | 66.71          |
|      | Sub-total Mano de Obra                                                                                                                                           |          |      |       |            |                      | 260.45         |
| 3.00 | Equipos                                                                                                                                                          |          |      |       |            |                      |                |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                                                                       | 5%       | 1.00 | %     |            | 260.45               | 13.02          |
| 3.20 | Apisonador Nanjing RoadSky (Maquilo o Bailarina 4T)<br>(Incluye Comb. lubr. +transp.)                                                                            | 0.07     | 1.00 | día   | 327.97     | 2,150.00             | 146.26         |
|      | Sub-total Mano de Equipos                                                                                                                                        |          |      |       |            |                      | 159.28         |
|      | TOTAL ANALISIS:                                                                                                                                                  |          |      |       |            | COSTO/M3             | RDS 917.31     |
| No.  | Descripción                                                                                                                                                      | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 3.01 | Hormigon Simple de Impleza debajo de la Zapata.                                                                                                                  | 1.00     |      |       |            |                      | 9,892.56       |
| 1.00 | Materiales                                                                                                                                                       |          |      |       |            |                      |                |
| 1.10 | Hormigon Industrial Fc=140 kg/cm2 (5% Desp.) + BOMBA                                                                                                             | 1.05     | 1.00 | m3    | 1,294.30   | 8,484.85             | 8,909.09       |
| 1.10 | Madera Laterales Para Molde 2" X 4" (8 Usos)                                                                                                                     | 5.21     | 1.00 | PI    | 15.56      | 102.00               | 531.25         |
| 1.10 | Clavos Dulces Para Encofrado                                                                                                                                     | 1.71     | 1.00 | lb    | 9.15       | 60.00                | 102.53         |
| 1.10 | Alambre Dulce # 18 Para Encofrados                                                                                                                               | 0.00     | 1.00 | lb    | 12.20      | 80.00                | -              |
|      | Sub-total de materiales                                                                                                                                          |          |      |       |            |                      | 9,542.87       |
| 2.00 | Mano de obra                                                                                                                                                     |          |      |       |            |                      |                |
| 2.00 | Oper.                                                                                                                                                            | 0.07     | 1.00 | día   |            | 1,867.44             | 127.04         |
| 2.00 | Trabajador no calificado                                                                                                                                         | 0.07     | 1.00 | día   |            | 980.59               | 66.71          |
|      | Sub-total Mano de Obra                                                                                                                                           |          |      |       |            |                      | 193.74         |
| 3.00 | Equipos                                                                                                                                                          |          |      |       |            |                      |                |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                                                                       | 5%       | 1.00 | %     |            | 193.74               | 9.69           |
| 3.20 | Apisonador Nanjing RoadSky (Maquilo o Bailarina 4T)                                                                                                              | 0.07     | 1.00 | día   | 327.97     | 2,150.00             | 146.26         |
|      | Sub-total Mano de Equipos                                                                                                                                        |          |      |       |            |                      | 155.95         |
|      | TOTAL ANALISIS:                                                                                                                                                  |          |      |       |            | COSTO/M3             | RDS 9,892.56   |
| No.  | Descripción                                                                                                                                                      | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 3.02 | Zapata de Muro de Contencion $\phi\frac{1}{2}$ " @ 0.15 A.D. cara Interior y $\phi\frac{1}{2}$ " @ 0.15 A.D en cara superior.                                    | 1.00     |      |       |            |                      | 30,980.84      |
| 1.00 | Materiales                                                                                                                                                       |          |      |       |            |                      |                |
| 1.10 | Hormigón Industrial f'c= 280 kg/cm2 + 5% Desp. Incluye Bombeo                                                                                                    | 1.05     | 1.00 | m3    | 1,384.26   | 9,074.58             | 9,528.31       |
| 1.20 | Acero - Cuanía aa /m3                                                                                                                                            | 5.55     | 1.00 | qq    | 488.14     | 3,200.00             | 17,758.55      |
| 1.30 | Alambre Galvanizado #18                                                                                                                                          | 11.10    | 1.00 | Lb    | 12.20      | 80.00                | 887.93         |
|      | Sub-total de materiales                                                                                                                                          |          |      |       |            |                      | 28,174.78      |
| 2.00 | Mano de obra                                                                                                                                                     |          |      |       |            |                      |                |
| 2.10 | Mano de Obra Acero                                                                                                                                               | 5.55     | 1.00 | qq    |            | 481.56               | 2,672.44       |
|      | Sub-total de materiales                                                                                                                                          |          |      |       |            |                      | 2,672.44       |
| 3.00 | Equipos                                                                                                                                                          |          |      |       |            |                      |                |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                                                                       | 5%       | 1.00 | %     |            | 2,672.44             | 133.62         |
|      | Sub-total Mano de Equipos                                                                                                                                        |          |      |       |            |                      | 133.62         |
|      | TOTAL ANALISIS:                                                                                                                                                  |          |      |       |            | COSTO/M3             | RDS 30,980.84  |
| No.  | Descripción                                                                                                                                                      | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 3.03 | Muro de Contencion $\phi\frac{1}{2}$ " @ 0.15 A.D. En cara Izquierda y de $\phi\frac{1}{2}$ " @ 0.15 long. Y $\phi\frac{1}{2}$ " @ 0.15 transv. en cara derecha. | 1.00     |      |       |            |                      | 31,908.68      |
| 1.00 | Materiales                                                                                                                                                       |          |      |       |            |                      |                |
| 1.10 | Hormigón Industrial f'c= 280 kg/cm2 + 5% Desp. Incluye                                                                                                           | 1.05     | 1.00 | m3    | 1,384.26   | 9,074.58             | 9,528.31       |
| 1.20 | Acero - Cuanía aa /m3                                                                                                                                            | 5.58     | 1.00 | qq    | 488.14     | 3,200.00             | 17,871.35      |
| 1.30 | Alambre Galvanizado #18                                                                                                                                          | 11.17    | 1.00 | Lb    | 12.20      | 80.00                | 893.57         |
|      | Sub-total de materiales                                                                                                                                          |          |      |       |            |                      | 28,293.23      |
| 2.00 | Mano de obra                                                                                                                                                     |          |      |       |            |                      |                |
| 2.10 | Mano de Obra Acero                                                                                                                                               | 5.58     | 1.00 | qq    | -          | 481.56               | 2,689.42       |
| 2.20 | Encofrado Todo costo                                                                                                                                             | 1.11     | 1.00 | ml/m3 | -          | 650.00               | 722.22         |
| 2.30 | Desencofrado                                                                                                                                                     | 0.89     | 1.00 | m2    | -          | 35.61                | 31.65          |
|      | Sub-total de materiales                                                                                                                                          |          |      |       |            |                      | 3,443.29       |
| 3.00 | Equipos                                                                                                                                                          |          |      |       |            |                      |                |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                                                                       | 5%       | 1.00 | %     |            | 3,443.29             | 172.16         |
|      | Sub-total Mano de Equipos                                                                                                                                        |          |      |       |            |                      | 172.16         |
|      | TOTAL ANALISIS:                                                                                                                                                  |          |      |       |            | COSTO/M3             | RDS 31,908.68  |
| No.  | Descripción                                                                                                                                                      | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |

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Infra Dominica D.M.

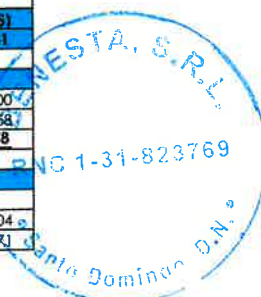


|      |                                                                                                   |          |      |       |            |                      |                |
|------|---------------------------------------------------------------------------------------------------|----------|------|-------|------------|----------------------|----------------|
| 4.01 | Suministro de Material Impermeabilizante en paredes y base del drenaje ( Rollos de 1.00 m x 10 m) | 1.00     |      |       |            |                      | 3,500.00       |
| 1.00 | Materiales                                                                                        |          |      |       |            |                      |                |
| 1.10 | Impermeabilizante                                                                                 | 1.00     | 1.00 | Rollo | 533.90     | 3,500.00             | 3,500.00       |
|      | Sub-total de materiales                                                                           |          |      |       |            |                      | 3,500.00       |
| 2.00 | Mano de obra                                                                                      |          |      |       |            |                      |                |
|      | Sub-total de materiales                                                                           |          |      |       |            |                      | -              |
| 3.00 | Equipos                                                                                           |          |      |       |            |                      |                |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                        | 5%       | 1.00 | %     |            | -                    | -              |
|      | Sub-total Mano de Equipos                                                                         |          |      |       |            |                      | -              |
|      | TOTAL ANALISIS:                                                                                   |          |      |       |            | COSTO/UD             | RDS 3,500.00   |
| No.  | Descripción                                                                                       | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 4.02 | Suministro de Tubos perforados 8"X19" de PVC-SDR-26                                               | 1.00     |      |       |            |                      | 10,500.00      |
| 1.00 | Materiales                                                                                        |          |      |       |            |                      |                |
| 1.10 | Tubo SDR-26 PVC 8"x19"-Perforado                                                                  | 1.00     | 1.00 | Ud    | 1,601.69   | 10,500.00            | 10,500.00      |
|      | Sub-total de materiales                                                                           |          |      |       |            |                      | 10,500.00      |
| 2.00 | Mano de obra                                                                                      |          |      |       |            |                      |                |
|      | Sub-total de materiales                                                                           |          |      |       |            |                      | -              |
| 3.00 | Equipos                                                                                           |          |      |       |            |                      |                |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                        | 5%       | 1.00 | %     |            | -                    | -              |
|      | Sub-total Mano de Equipos                                                                         |          |      |       |            |                      | -              |
|      | TOTAL ANALISIS:                                                                                   |          |      |       |            | COSTO/UD             | RDS 10,500.00  |
| No.  | Descripción                                                                                       | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 4.03 | Suministro de Grava de 1"Ø 1½" (V = 0.30 mts. X 5.00 mts. X 43.27) + 15% de desp.                 | 1.00     |      |       |            |                      | 1,575.00       |
| 1.00 | Materiales                                                                                        |          |      |       |            |                      |                |
| 1.10 | Grava triturada 3/4"                                                                              | 1.00     | 1.00 | M3    | 240.25     | 1,575.00             | 1,575.00       |
|      | Sub-total de materiales                                                                           |          |      |       |            |                      | 1,575.00       |
| 2.00 | Mano de obra                                                                                      |          |      |       |            |                      |                |
|      | Sub-total de materiales                                                                           |          |      |       |            |                      | -              |
| 3.00 | Equipos                                                                                           |          |      |       |            |                      |                |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                        | 5%       | 1.00 | %     |            | -                    | -              |
|      | Sub-total Mano de Equipos                                                                         |          |      |       |            |                      | -              |
|      | TOTAL ANALISIS:                                                                                   |          |      |       |            | COSTO/M3             | RDS 1,575.00   |
| No.  | Descripción                                                                                       | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 4.04 | Mano de Obra de construccion de Drenaje                                                           | 1.00     |      |       |            |                      | 148,373.00     |
| 1.00 | Materiales                                                                                        |          |      |       |            |                      |                |
|      | Sub-total de materiales                                                                           |          |      |       |            |                      | -              |
| 2.00 | Mano de obra                                                                                      |          |      |       |            |                      |                |
| 2.01 | Operario de Primera                                                                               | 5.00     | 1.00 | día   |            | 1,867.44             | 9,337.20       |
| 2.01 | Trabajador no calificado                                                                          | 5.00     | 1.00 | día   |            | 980.59               | 4,902.95       |
| 2.01 | Operario de segunda                                                                               | 5.00     | 1.00 | día   |            | 1,867.44             | 9,337.20       |
| 2.01 | Ayudantes                                                                                         | 5.00     | 1.00 | día   |            | 1,260.34             | 6,301.70       |
|      | Sub-total de materiales                                                                           |          |      |       |            |                      | 29,879.05      |
| 3.00 | Equipos                                                                                           |          |      |       |            |                      |                |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                        | 5%       | 1.00 | %     |            | 29,879.05            | 1,493.95       |
| 3.20 | Retroexcavadora 320-CAT (incluye combustible y lubr. Y Operador ) (Rend. 18 m3/H)                 | 36.00    | 1.00 | hr    | 495.76     | 3,250.00             | 117,000.00     |
|      | Sub-total Mano de Equipos                                                                         |          |      |       |            |                      | 118,493.95     |
|      | TOTAL ANALISIS:                                                                                   |          |      |       |            | COSTO/UD             | RDS 148,373.00 |
| No.  | Descripción                                                                                       | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 4.05 | Suministro y colocacion de floraderos en muro de contencion con tubos Ø2" PVC SDR-26              | 1.00     |      |       |            |                      | 1,065.38       |
| 1.00 | Materiales                                                                                        |          |      |       |            |                      |                |
| 1.10 | Tubo 2"x19", pvc SDR-26                                                                           | 0.17     | 1.00 | UD    | 340.17     | 2,230.00             | 379.10         |
| 1.20 | Mortero 1:3                                                                                       | 0.00     | 1.00 | M3    | 1,728.17   | 11,329.12            | 33.99          |
|      | Sub-total de materiales                                                                           |          |      |       |            |                      | 379.10         |





|        |                                                                                                                         |          |      |     |             |                       |                 |
|--------|-------------------------------------------------------------------------------------------------------------------------|----------|------|-----|-------------|-----------------------|-----------------|
| 2.00   | Mano de obra                                                                                                            |          |      |     |             |                       |                 |
| 2.10   | Colocación                                                                                                              | 0.35     | 1.00 | Día |             | 1,867.44              | 653.60          |
|        | Sub-total de materiales                                                                                                 |          |      |     |             |                       | 653.60          |
| 3.00   | Equipos                                                                                                                 |          |      |     |             |                       |                 |
| 3.10   | Uso de Herramientas 5 % de la mano de obra                                                                              | 5%       | 1.00 | %   |             | 653.60                | 32.68           |
|        | Sub-total Mano de Equipos                                                                                               |          |      |     |             |                       | 32.68           |
|        | TOTAL ANALISIS:                                                                                                         |          |      |     |             | COSTO/UD              | RD\$ 1,065.38   |
|        |                                                                                                                         |          |      |     |             |                       |                 |
| No.    | Descripción                                                                                                             | Cantidad | FACT | UD  | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$) |
| 4.05   | Construcción de Canaleta con muros y piso vaciados de H.S. con rejilla compuesta de angulares 2"x2" y Perfiles de 2"x1" | 1.00     |      |     |             |                       | 7,747.91        |
| 1.00   | Materiales                                                                                                              |          |      |     |             |                       |                 |
| 1.10   | Muro H.A                                                                                                                | 0.10     | 1.00 | UD  | 4,867.43    | 31,908.68             | 3,190.87        |
| 1.20   | Losa de Fondo                                                                                                           | 0.10     | 1.00 | UD  | 3,436.44    | 22,527.79             | 2,252.78        |
| 1.30   | Angular 2" x2"                                                                                                          | 0.33     | 1.00 | UD  | 344.75      | 2,260.00              | 753.33          |
| 1.40   | Perfiles de 2"x1"                                                                                                       | 0.29     | 1.00 | UD  | 129.66      | 850.00                | 247.92          |
| 1.50   | Soldadura universal 5/32"                                                                                               | 1.50     | 1.00 | LBS | 11.90       | 78.00                 | 117.00          |
| 1.60   | Pintura Anticorrosivo                                                                                                   | 0.04     | 1.00 | GL  | 305.08      | 2,000.00              | 80.00           |
| 1.70   | Thinner                                                                                                                 | 0.04     | 1.00 | GL  | 74.75       | 490.00                | 19.60           |
| 1.80   | Discos de corte fino 7"                                                                                                 | 0.75     | 1.00 | UND | 14.49       | 95.00                 | 71.25           |
|        | Sub-total de materiales                                                                                                 |          |      |     |             |                       | 6,732.75        |
| 2.00   | Mano de obra                                                                                                            |          |      |     |             |                       |                 |
| 2.10   | Mano de Obra Herrería                                                                                                   | 0.75     | 1.00 | %   |             | 1,289.10              | 966.82          |
|        | Sub-total de materiales                                                                                                 |          |      |     |             |                       | 966.82          |
| 3.00   | Equipos                                                                                                                 |          |      |     |             |                       |                 |
| 3.10   | Uso de Herramientas 5 % de la mano de obra                                                                              | 5%       | 1.00 | %   |             | 966.82                | 48.34           |
|        | Sub-total Mano de Equipos                                                                                               |          |      |     |             |                       | 48.34           |
|        | TOTAL ANALISIS:                                                                                                         |          |      |     |             | COSTO/ML              | RD\$ 7,747.91   |
|        |                                                                                                                         |          |      |     |             |                       |                 |
| No.    | Descripción                                                                                                             | Cantidad | FACT | UD  | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$) |
| 6.01.1 | Excavación zapata de muro 6", a mano. (0.45x9.26x 0.80mts.).                                                            | 1.00     |      |     |             |                       | 469.05          |
| 1.00   | Materiales                                                                                                              |          |      |     |             |                       |                 |
|        | Sub-total de materiales                                                                                                 |          |      |     |             |                       | -               |
| 2.00   | Mano de obra                                                                                                            |          |      |     |             |                       |                 |
| 2.10   | Trabajador no calificado Picador                                                                                        | 0.40     | 1.00 | día |             | 980.59                | 392.24          |
| 2.20   | Trabajador no calificado Palero                                                                                         | 0.06     | 1.00 | día |             | 980.59                | 54.48           |
| 2.30   | Sub-total Mano de Obra                                                                                                  |          |      |     |             |                       | 446.71          |
| 3.00   | Equipos                                                                                                                 |          |      |     |             |                       |                 |
| 3.10   | Uso de Herramientas 5 % de la mano de obra                                                                              | 5%       | 1.00 | %   |             | 446.71                | 22.34           |
|        | Sub-total Mano de Equipos                                                                                               |          |      |     |             |                       | 22.34           |
|        | TOTAL ANALISIS:                                                                                                         |          |      |     |             | COSTO/M3              | RD\$ 469.05     |
|        |                                                                                                                         |          |      |     |             |                       |                 |
| No.    | Descripción                                                                                                             | Cantidad | FACT | UD  | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$) |
| 6.01.2 | Bote material excavado + 30% abultamiento.                                                                              | 1.00 m3  |      | UD  |             |                       | 540.46          |
| 1.00   | Materiales                                                                                                              |          |      |     |             |                       |                 |
| 0.00   | Sub-total de materiales                                                                                                 |          |      |     |             |                       | -               |
| 2.00   | Mano de obra                                                                                                            |          |      |     |             |                       |                 |
| 0.01   | Peon (1 TNC)                                                                                                            | 0.10     | 1.00 | día | -           | 980.59                | 98.06           |
|        | Sub-total Mano de obra                                                                                                  |          |      |     |             |                       | 98.06           |
| 3.00   | Equipos                                                                                                                 |          |      |     |             |                       |                 |
| 3.01   | Bote de Escombros                                                                                                       | 1.00     | 1.00 | M3  | 66.74       | 437.50                | 437.50          |
| 3.02   | 5 % de la mano de obra                                                                                                  | 5%       | 1.00 | %   |             | 98.06                 | 4.90            |
|        | Sub-total Mano de Equipos                                                                                               |          |      |     |             |                       | 442.40          |
|        | TOTAL ANALISIS:                                                                                                         |          |      |     |             | COSTO/M3              | RD\$ 540.46     |
|        |                                                                                                                         |          |      |     |             |                       |                 |
| No.    | Descripción                                                                                                             | Cantidad | FACT | UD  | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$) |
| 4.01.3 | Refraso Apisonado en piso (MACO). (Caliche)                                                                             | 1.00     |      |     |             |                       | 917.31          |
| 1.00   | Materiales                                                                                                              |          |      |     |             |                       |                 |
| 1.10   | Suministro Caliche fino                                                                                                 | 1.00     | 1.00 | m3  | 68.64       | 450.00                | 450.00          |
| 1.10   | Agua                                                                                                                    | 15.86    | 1.00 | gl  | 0.46        | 3.00                  | 47.58           |
|        | Sub-total de materiales                                                                                                 |          |      |     |             |                       | 497.58          |
| 2.00   | Mano de obra                                                                                                            |          |      |     |             |                       |                 |
| 2.01   | Oper. 2da Apisonamiento.                                                                                                | 0.07     | 1.00 | día |             | 1,867.44              | 127.04          |
|        | Trabajador no calificado, Requir. molar                                                                                 | 0.07     | 1.00 | día |             | 980.59                | 66.71           |





|               |                                                                                       |                 |             |           |                   |                             |                       |
|---------------|---------------------------------------------------------------------------------------|-----------------|-------------|-----------|-------------------|-----------------------------|-----------------------|
|               | Trabajador no calificado Trasl. Mat.                                                  | 0.07            | 1.00        | día       |                   | 980.59                      | 66.71                 |
|               | <b>Sub-total Mano de Obra</b>                                                         |                 |             |           |                   |                             | <b>260.45</b>         |
| <b>3.00</b>   | <b>Equipos</b>                                                                        |                 |             |           |                   |                             |                       |
| <b>3.10</b>   | Uso de Herramientas 5 % de la mano de obra                                            | 5%              | 1.00        | %         |                   | 260.45                      | 13.02                 |
| <b>3.20</b>   | Apisonador Nanjing RoadSky (Maquito o Bailarina 4T)                                   | 0.07            | 1.00        | día       | 327.97            | 2,150.00                    | 146.26                |
|               | <b>Sub-total Mano de Equipos</b>                                                      |                 |             |           |                   |                             | <b>159.28</b>         |
|               | <b>TOTAL ANALISIS:</b>                                                                |                 |             |           |                   | <b>COSTO/M3</b>             | <b>RDS 717.31</b>     |
|               |                                                                                       |                 |             |           |                   |                             |                       |
|               |                                                                                       |                 |             |           |                   |                             |                       |
| <b>No.</b>    | <b>Descripción</b>                                                                    | <b>Cantidad</b> | <b>FACT</b> | <b>UD</b> | <b>ITBIS(RDS)</b> | <b>IMPORTE + ITBIS(RDS)</b> | <b>SUB-TOTAL(RDS)</b> |
| <b>6.01.4</b> | <b>Reellenos de reposición a mano (procedente excavación)</b>                         | <b>1.00</b>     |             |           |                   |                             | <b>467.31</b>         |
|               |                                                                                       |                 |             |           |                   |                             |                       |
| <b>1.00</b>   | <b>Materiales</b>                                                                     |                 |             |           |                   |                             |                       |
| <b>1.01</b>   | Agua                                                                                  | 15.86           | 1.00        | gl        | 0.46              | 3.00                        | 47.58                 |
|               | <b>Sub-total de materiales</b>                                                        |                 |             |           |                   |                             | <b>47.58</b>          |
| <b>2.00</b>   | <b>Mano de obra</b>                                                                   |                 |             |           |                   |                             |                       |
| <b>2.01</b>   | Oper. 2da Apisonamiento.                                                              | 0.07            | 1.00        | día       |                   | 1,867.44                    | 127.04                |
|               | Trabajador no calificado, Regar, mojar                                                | 0.07            | 1.00        | día       |                   | 980.59                      | 66.71                 |
|               | Trabajador no calificado Trasl. Mat.                                                  | 0.07            | 1.00        | día       |                   | 980.59                      | 66.71                 |
|               | <b>Sub-total Mano de Obra</b>                                                         |                 |             |           |                   |                             | <b>260.45</b>         |
| <b>3.00</b>   | <b>Equipos</b>                                                                        |                 |             |           |                   |                             |                       |
| <b>3.10</b>   | Uso de Herramientas 5 % de la mano de obra                                            | 5%              | 1.00        | %         |                   | 260.45                      | 13.02                 |
| <b>3.20</b>   | Apisonador Nanjing RoadSky (Maquito o Bailarina 4T)<br>(Incluye Comb. lubr. +transp.) | 0.07            | 1.00        | día       | 327.97            | 2,150.00                    | 146.26                |
|               | <b>Sub-total Mano de Equipos</b>                                                      |                 |             |           |                   |                             | <b>159.28</b>         |
|               | <b>TOTAL ANALISIS:</b>                                                                |                 |             |           |                   | <b>COSTO/M3</b>             | <b>RDS 467.31</b>     |
|               |                                                                                       |                 |             |           |                   |                             |                       |
|               |                                                                                       |                 |             |           |                   |                             |                       |
| <b>No.</b>    | <b>Descripción</b>                                                                    | <b>Cantidad</b> | <b>FACT</b> | <b>UD</b> | <b>ITBIS(RDS)</b> | <b>IMPORTE + ITBIS(RDS)</b> | <b>SUB-TOTAL(RDS)</b> |
| <b>6.02.1</b> | <b>Zapatas muros de 6", 9.24 x 0.45 x 0.25, 3Ø 3/8", Ø3/8" a 0.25mts.</b>             | <b>1.00</b>     |             |           |                   |                             | <b>12,628.27</b>      |
| <b>1.00</b>   | <b>Materiales</b>                                                                     |                 |             |           |                   |                             |                       |
| <b>1.10</b>   | Hormigón Industrial f'c= 210 kg/cm2 + 5% Desp. Incluye Bombeo                         | 1.05            | 1.00        | m3        | 1,275.28          | 8,360.17                    | 8,778.18              |
| <b>1.20</b>   | Acero - Cantidad aa / m3                                                              | 0.70            | 1.00        | Roll.     | 488.14            | 3,200.00                    | 2,240.00              |
| <b>1.30</b>   | Alambre Dulce No. 18                                                                  | 1.40            | 1.00        | Lb        | 12.20             | 80.00                       | 112.00                |
|               | <b>Sub-total de materiales</b>                                                        |                 |             |           |                   |                             | <b>11,130.18</b>      |
| <b>2.00</b>   | <b>Mano de obra</b>                                                                   |                 |             |           |                   |                             |                       |
| <b>2.10</b>   | M.O. colocación acero                                                                 | 8.89            | 1.00        | ml        |                   | 160.51                      | 1,426.76              |
|               | <b>Sub-total de materiales</b>                                                        |                 |             |           |                   |                             | <b>1,426.76</b>       |
| <b>3.00</b>   | <b>Equipos</b>                                                                        |                 |             |           |                   |                             |                       |
| <b>3.10</b>   | Uso de Herramientas 5 % de la mano de obra                                            | 5%              | 1.00        | %         |                   | 1,426.76                    | 71.34                 |
|               | <b>Sub-total Mano de Equipos</b>                                                      |                 |             |           |                   |                             | <b>71.34</b>          |
|               | <b>TOTAL ANALISIS:</b>                                                                |                 |             |           |                   | <b>COSTO/M3</b>             | <b>RDS 12,628.27</b>  |
|               |                                                                                       |                 |             |           |                   |                             |                       |
|               |                                                                                       |                 |             |           |                   |                             |                       |
| <b>No.</b>    | <b>Descripción</b>                                                                    | <b>Cantidad</b> | <b>FACT</b> | <b>UD</b> | <b>ITBIS(RDS)</b> | <b>IMPORTE + ITBIS(RDS)</b> | <b>SUB-TOTAL(RDS)</b> |
| <b>6.02.2</b> | <b>Dintel . 0.15x0.20x1.40 (2), 3Ø 1/2" 2Ø 3/8", Ø3/8" a 0.20mts.</b>                 | <b>1.00</b>     |             |           |                   |                             | <b>39,592.04</b>      |
| <b>1.00</b>   | <b>Materiales</b>                                                                     |                 |             |           |                   |                             |                       |
| <b>1.10</b>   | Hormigón Industrial f'c= 210 kg/cm2 + 5% Desp. Incluye Bombeo                         | 1.05            | 1.00        | m3        | 1,275.28          | 8,360.17                    | 8,778.18              |
| <b>1.20</b>   | Acero - Cantidad aa / m3                                                              | 4.82            | 1.00        | aa        | 488.14            | 3,200.00                    | 15,411.09             |
| <b>1.30</b>   | Alambre Galvanizado #18                                                               | 9.63            | 1.00        | Lb        | 12.20             | 80.00                       | 770.55                |
|               | <b>Sub-total de materiales</b>                                                        |                 |             |           |                   |                             | <b>24,959.83</b>      |
| <b>2.00</b>   | <b>Mano de obra</b>                                                                   |                 |             |           |                   |                             |                       |
| <b>2.10</b>   | Mano de Obra Acero                                                                    | 4.82            | 1.00        | aa        | -                 | 481.56                      | 2,319.18              |
| <b>2.20</b>   | Encofrado Todo costo                                                                  | 33.33           | 1.00        | ml/m3     | -                 | 320.00                      | 10,666.67             |
| <b>2.30</b>   | Desencofrado                                                                          | 26.67           | 1.00        | m2        | -                 | 35.61                       | 949.60                |
|               | <b>Sub-total de materiales</b>                                                        |                 |             |           |                   |                             | <b>13,935.44</b>      |
| <b>3.00</b>   | <b>Equipos</b>                                                                        |                 |             |           |                   |                             |                       |
| <b>3.10</b>   | Uso de Herramientas 5 % de la mano de obra                                            | 5%              | 1.00        | %         |                   | 13,935.44                   | 696.77                |
|               | <b>Sub-total Mano de Equipos</b>                                                      |                 |             |           |                   |                             | <b>696.77</b>         |
|               | <b>TOTAL ANALISIS:</b>                                                                |                 |             |           |                   | <b>COSTO/M3</b>             | <b>RDS 39,592.04</b>  |
|               |                                                                                       |                 |             |           |                   |                             |                       |
|               |                                                                                       |                 |             |           |                   |                             |                       |
| <b>No.</b>    | <b>Descripción</b>                                                                    | <b>Cantidad</b> | <b>FACT</b> | <b>UD</b> | <b>ITBIS(RDS)</b> | <b>IMPORTE + ITBIS(RDS)</b> | <b>SUB-TOTAL(RDS)</b> |
| <b>6.02.3</b> | <b>Losa hormigón armado, h=0.13mts. 3/8" @ 0.25m AD</b>                               | <b>1.00</b>     |             |           |                   |                             | <b>17,347.85</b>      |
| <b>1.00</b>   | <b>Materiales</b>                                                                     |                 |             |           |                   |                             |                       |
| <b>1.10</b>   | Hormigón Industrial f'c= 210 kg/cm2 + 5% Desp. Incluye Bombeo                         | 1.00            | 1.00        | m3        | 1,275.28          | 8,360.17                    | 8,360.17              |





|        |                                                                       |          |      |       |            |                      |                      |
|--------|-----------------------------------------------------------------------|----------|------|-------|------------|----------------------|----------------------|
| 1.20   | Acero - Cuanfia qq /m3                                                | 1.13     | 1.00 | qq    | 488.14     | 3,200.00             | 3,612.09             |
| 1.30   | Alambre Galvanizado #18                                               | 2.26     | 1.00 | Lb    | 12.20      | 80.00                | 180.60               |
|        | <b>Sub-total de materiales</b>                                        |          |      |       |            |                      | <b>12,152.87</b>     |
| 2.00   | <b>Mano de obra</b>                                                   |          |      |       |            |                      |                      |
| 2.10   | Mano de Obra Acero                                                    | 1.13     | 1.00 | qq    | -          | 481.56               | 543.57               |
| 2.20   | Encofrado de Losa h=13                                                | 7.69     | 1.00 | m2    | -          | 450.00               | 3,461.54             |
| 2.30   | M.O. Desencof. Falso Piso, hasta 2.75 m                               | 7.69     | 1.00 | m2    | -          | 125.00               | 961.54               |
|        | <b>Sub-total de materiales</b>                                        |          |      |       |            |                      | <b>4,966.65</b>      |
| 3.00   | <b>Equipos</b>                                                        |          |      |       |            |                      |                      |
| 3.10   | Uso de Herramientas 5 % de la mano de obra                            | 5%       | 1.00 | %     |            | 4,966.65             | 248.33               |
|        | <b>Sub-total Mano de Equipos</b>                                      |          |      |       |            |                      | <b>248.33</b>        |
|        | <b>TOTAL ANALISIS:</b>                                                |          |      |       |            | <b>COSTO/M3</b>      | <b>RDS 17,367.85</b> |
|        |                                                                       |          |      |       |            |                      |                      |
| No.    | Descripción                                                           | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS)       |
| 6.02.5 | Vuelos, h=0.13mts. 3/8"Ø0.25m AD                                      | 1.00     |      |       |            |                      | 17,367.85            |
| 1.00   | <b>Materiales</b>                                                     |          |      |       |            |                      |                      |
| 1.10   | Hormigón Industrial f'c= 210 kg/cm2 + 5% Desp. Incluye Bombeo         | 1.00     | 1.00 | m3    | 1,275.28   | 8,360.17             | 8,360.17             |
| 1.20   | Acero - Cuanfia qq /m3                                                | 1.13     | 1.00 | qq    | 488.14     | 3,200.00             | 3,612.09             |
| 1.30   | Alambre Galvanizado #18                                               | 2.26     | 1.00 | Lb    | 12.20      | 80.00                | 180.60               |
|        | <b>Sub-total de materiales</b>                                        |          |      |       |            |                      | <b>12,152.87</b>     |
| 2.00   | <b>Mano de obra</b>                                                   |          |      |       |            |                      |                      |
| 2.10   | Mano de Obra Acero                                                    | 1.13     | 1.00 | qq    | -          | 481.56               | 543.57               |
| 2.20   | Encofrado de Losa h=13                                                | 7.69     | 1.00 | m2    | -          | 450.00               | 3,461.54             |
| 2.30   | M.O. Desencof. Falso Piso, hasta 2.75 m                               | 7.69     | 1.00 | m2    | -          | 125.00               | 961.54               |
|        | <b>Sub-total de materiales</b>                                        |          |      |       |            |                      | <b>4,966.65</b>      |
| 3.00   | <b>Equipos</b>                                                        |          |      |       |            |                      |                      |
| 3.10   | Uso de Herramientas 5 % de la mano de obra                            | 5%       | 1.00 | %     |            | 4,966.65             | 248.33               |
|        | <b>Sub-total Mano de Equipos</b>                                      |          |      |       |            |                      | <b>248.33</b>        |
|        | <b>TOTAL ANALISIS:</b>                                                |          |      |       |            | <b>COSTO/M3</b>      | <b>RDS 17,367.85</b> |
|        |                                                                       |          |      |       |            |                      |                      |
| No.    | Descripción                                                           | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS)       |
| 6.02.5 | Viga amarre en muro 15x20 4 Ø 3/8" est. 3/8"Ø0.20m 1:2:4 Usado a Mano | 1.00     |      |       |            |                      | 34,610.51            |
| 1.00   | <b>Materiales</b>                                                     |          |      |       |            |                      |                      |
| 1.10   | Hormigón 1:2:4 CON LIGADORA                                           | 1.00     | 1.00 | m3    | 1,465.65   | 9,608.16             | 9,608.16             |
| 1.20   | Acero - Cuanfia qq /m3                                                | 3.31     | 1.00 | qq    | 488.14     | 3,200.00             | 10,600.28            |
| 1.30   | Alambre Galvanizado #18                                               | 6.63     | 1.00 | Lb    | 12.20      | 80.00                | 530.01               |
|        | <b>Sub-total de materiales</b>                                        |          |      |       |            |                      | <b>20,738.46</b>     |
| 2.00   | <b>Mano de obra</b>                                                   |          |      |       |            |                      |                      |
| 2.10   | Mano de Obra Acero                                                    | 3.31     | 1.00 | qq    | -          | 481.56               | 1,595.21             |
| 2.20   | Encofrado Todo costo                                                  | 33.33    | 1.00 | ml/m3 | -          | 320.00               | 10,666.67            |
| 2.30   | Desencofrado                                                          | 26.67    | 1.00 | m2    | -          | 35.61                | 949.60               |
|        | <b>Sub-total de materiales</b>                                        |          |      |       |            |                      | <b>13,211.48</b>     |
| 3.00   | <b>Equipos</b>                                                        |          |      |       |            |                      |                      |
| 3.10   | Uso de Herramientas 5 % de la mano de obra                            | 5%       | 1.00 | %     |            | 13,211.48            | 660.57               |
|        | <b>Sub-total Mano de Equipos</b>                                      |          |      |       |            |                      | <b>660.57</b>        |
|        | <b>TOTAL ANALISIS:</b>                                                |          |      |       |            | <b>COSTO/M3</b>      | <b>RDS 34,610.51</b> |
|        |                                                                       |          |      |       |            |                      |                      |
| No.    | Descripción                                                           | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS)       |
| 6.03.1 | Bloques horm. 6" Ø3/8" a 0.80mts. S.N.P.                              | 1.00     |      |       |            |                      | 2,041.80             |
| 1.00   | <b>Materiales</b>                                                     |          |      |       |            |                      |                      |
| 1.10   | Suministro                                                            | 13.00    | 1.00 | U.    | 8.69       | 57.00                | 741.00               |
| 1.20   | Mortero 1:3                                                           | 0.04     | 1.00 | Mt3   | 1,728.17   | 11,329.12            | 414.22               |
| 1.30   | Hormigón en Huecos 1:3:5                                              | 0.02     | 1.00 | Mt3   | 1,172.07   | 7,683.58             | 160.28               |
| 1.40   | Refuerzo en Huecos (Ø 3/8")                                           |          | 1.00 |       | -          |                      |                      |
| 1.50   | Vertical                                                              | 0.03     | 1.00 | qq    | 488.14     | 3,200.00             | 95.12                |
| 1.60   | Alambre #18(2#/aa)                                                    | 0.36     | 1.00 | Lbs   | 12.20      | 80.00                | 28.80                |
|        | <b>Sub-total de materiales</b>                                        |          |      |       |            |                      | <b>1,439.42</b>      |
| 2.00   | <b>Mano de obra</b>                                                   |          |      |       |            |                      |                      |
| 2.10   | M.O. Corte y amarre varilla horiz. en bloques (Serpentina)            | 13.00    | 1.00 | U.    |            | 2.18                 | 28.34                |
| 2.20   | M.O. Corte y amarre varilla vertical bloques a 0.60 m.                | 13.00    | 1.00 | U.    |            | 1.61                 | 20.93                |
| 2.30   | Llenados Huecos                                                       | 13.00    | 1.00 | U.    |            | 8.08                 | 105.04               |
| 2.40   | Colocación del block                                                  | 13.00    | 1.00 | U.    |            | 32.26                | 193.38               |
|        | <b>Sub-total de materiales</b>                                        |          |      |       |            |                      | <b>573.69</b>        |
| 3.00   | <b>Equipos</b>                                                        |          |      |       |            |                      |                      |
| 3.10   | Uso de Herramientas 5 % de la mano de obra                            | 5%       | 1.00 | %     |            | 573.69               | 28.68                |
|        | <b>Sub-total Mano de Equipos</b>                                      |          |      |       |            |                      | <b>28.68</b>         |
|        | <b>TOTAL ANALISIS:</b>                                                |          |      |       |            | <b>COSTO/M2</b>      | <b>RDS 2,041.80</b>  |



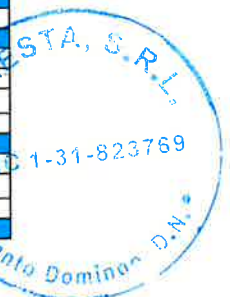


| No.    | Descripción                                                | Cantidad | FACT | UD  | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$)     |
|--------|------------------------------------------------------------|----------|------|-----|-------------|-----------------------|---------------------|
| 6.03.2 | Muros de Bloques De 0.20 m S.N.P.8" - 3/8" @ 0.80m         | 1.00     |      |     |             |                       | 2,366.42            |
| 1.00   | <b>Materiales</b>                                          |          |      |     |             |                       |                     |
| 1.10   | Suministro                                                 | 13.00    | 1.00 | U.  | 8.69        | 57.00                 | 741.00              |
| 1.20   | Mortero 1:3                                                | 0.04     | 1.00 | Mt3 | 1,728.17    | 11,329.12             | 414.22              |
| 1.30   | Hormigón en Huecos 1:3:5                                   | 0.02     | 1.00 | Mt3 | 1,172.07    | 7,683.58              | 160.28              |
| 1.40   | Refuerzo en Huecos (ø 3/8")                                |          | 1.00 |     | -           |                       |                     |
| 1.50   | Vertical                                                   | 0.10     | 1.00 | qq  | 488.14      | 3,200.00              | 320.00              |
| 1.60   | Alambre #18(2#/qa)                                         | 0.36     | 1.00 | Lbs | 12.20       | 80.00                 | 28.80               |
|        | <b>Sub-total de materiales</b>                             |          |      |     |             |                       | 1,664.30            |
| 2.00   | <b>Mano de obra</b>                                        |          |      |     |             |                       |                     |
| 2.10   | M.O. Corte y amarre varilla horiz. en bloques (Serpentina) | 13.00    | 1.00 | U.  |             | 2.18                  | 28.34               |
| 2.20   | M.O. Corte y amarre varilla vertical bloques a 0.60 m.     | 13.00    | 1.00 | U.  |             | 1.61                  | 20.93               |
| 2.30   | Llenados Huecos                                            | 13.00    | 1.00 | U.  |             | 8.08                  | 105.04              |
| 2.40   | Colocación del block                                       | 13.00    | 1.00 | U.  |             | 32.26                 | 419.38              |
| 2.50   | Andamios                                                   | 1.00     | 1.00 | m2  |             | 95.00                 | 95.00               |
|        | <b>Sub-total de materiales</b>                             |          |      |     |             |                       | 668.69              |
| 3.00   | <b>Equipos</b>                                             |          |      |     |             |                       |                     |
| 3.10   | Uso de Herramientas 5 % de la mano de obra                 | 5%       | 1.00 | %   |             | 668.69                | 33.43               |
|        | <b>Sub-total Mano de Equipos</b>                           |          |      |     |             |                       | 33.43               |
|        | <b>TOTAL ANALISIS:</b>                                     |          |      |     |             | <b>COSTO/M2</b>       | <b>RDS 2,366.42</b> |
|        |                                                            |          |      |     |             |                       |                     |
| No.    | Descripción                                                | Cantidad | FACT | UD  | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$)     |
| 6.03.2 | Muros de Bloques De 0.20 m S.N.P.8" - 3/8" @ 0.80m         | 1.00     |      |     |             |                       | 2,366.42            |
| 1.00   | <b>Materiales</b>                                          |          |      |     |             |                       |                     |
| 1.10   | Suministro                                                 | 13.00    | 1.00 | U.  | 8.69        | 57.00                 | 741.00              |
| 1.20   | Mortero 1:3                                                | 0.04     | 1.00 | Mt3 | 1,728.17    | 11,329.12             | 414.22              |
| 1.30   | Hormigón en Huecos 1:3:5                                   | 0.02     | 1.00 | Mt3 | 1,172.07    | 7,683.58              | 160.28              |
| 1.40   | Refuerzo en Huecos (ø 3/8")                                |          | 1.00 |     | -           |                       |                     |
| 1.50   | Vertical                                                   | 0.10     | 1.00 | qq  | 488.14      | 3,200.00              | 320.00              |
| 1.60   | Alambre #18(2#/qa)                                         | 0.36     | 1.00 | Lbs | 12.20       | 80.00                 | 28.80               |
|        | <b>Sub-total de materiales</b>                             |          |      |     |             |                       | 1,664.30            |
| 2.00   | <b>Mano de obra</b>                                        |          |      |     |             |                       |                     |
| 2.10   | M.O. Corte y amarre varilla horiz. en bloques (Serpentina) | 13.00    | 1.00 | U.  |             | 2.18                  | 28.34               |
| 2.20   | M.O. Corte y amarre varilla vertical bloques a 0.60 m.     | 13.00    | 1.00 | U.  |             | 1.61                  | 20.93               |
| 2.30   | Llenados Huecos                                            | 13.00    | 1.00 | U.  |             | 8.08                  | 105.04              |
| 2.40   | Colocación del block                                       | 13.00    | 1.00 | U.  |             | 32.26                 | 419.38              |
| 2.50   | Andamios                                                   | 1.00     | 1.00 | m2  |             | 95.00                 | 95.00               |
|        | <b>Sub-total de materiales</b>                             |          |      |     |             |                       | 668.69              |
| 3.00   | <b>Equipos</b>                                             |          |      |     |             |                       |                     |
| 3.10   | Uso de Herramientas 5 % de la mano de obra                 | 5%       | 1.00 | %   |             | 668.69                | 33.43               |
|        | <b>Sub-total Mano de Equipos</b>                           |          |      |     |             |                       | 33.43               |
|        | <b>TOTAL ANALISIS:</b>                                     |          |      |     |             | <b>COSTO/M2</b>       | <b>RDS 2,366.42</b> |
|        |                                                            |          |      |     |             |                       |                     |
| No.    | Descripción                                                | Cantidad | FACT | UD  | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$)     |
| 6.03.2 | Antepecho de Bloques horm. 6" (2 lineas)                   | 1.00     |      |     |             |                       | 2,366.42            |
| 1.00   | <b>Materiales</b>                                          |          |      |     |             |                       |                     |
| 1.10   | Suministro                                                 | 13.00    | 1.00 | U.  | 8.69        | 57.00                 | 741.00              |
| 1.20   | Mortero 1:3                                                | 0.04     | 1.00 | Mt3 | 1,728.17    | 11,329.12             | 414.22              |
| 1.30   | Hormigón en Huecos 1:3:5                                   | 0.02     | 1.00 | Mt3 | 1,172.07    | 7,683.58              | 160.28              |
| 1.40   | Refuerzo en Huecos (ø 3/8")                                |          | 1.00 |     | -           |                       |                     |
| 1.50   | Vertical                                                   | 0.10     | 1.00 | qq  | 488.14      | 3,200.00              | 320.00              |
| 1.60   | Alambre #18(2#/qa)                                         | 0.36     | 1.00 | Lbs | 12.20       | 80.00                 | 28.80               |
|        | <b>Sub-total de materiales</b>                             |          |      |     |             |                       | 1,664.30            |
| 2.00   | <b>Mano de obra</b>                                        |          |      |     |             |                       |                     |
| 2.10   | M.O. Corte y amarre varilla horiz. en bloques (Serpentina) | 13.00    | 1.00 | U.  |             | 2.18                  | 28.34               |
| 2.20   | M.O. Corte y amarre varilla vertical bloques a 0.60 m.     | 13.00    | 1.00 | U.  |             | 1.61                  | 20.93               |
| 2.30   | Llenados Huecos                                            | 13.00    | 1.00 | U.  |             | 8.08                  | 105.04              |
| 2.40   | Colocación del block                                       | 13.00    | 1.00 | U.  |             | 32.26                 | 419.38              |
| 2.50   | Andamios                                                   | 1.00     | 1.00 | m2  |             | 95.00                 | 95.00               |
|        | <b>Sub-total de materiales</b>                             |          |      |     |             |                       | 668.69              |
| 3.00   | <b>Equipos</b>                                             |          |      |     |             |                       |                     |
| 3.10   | Uso de Herramientas 5 % de la mano de obra                 | 5%       | 1.00 | %   |             | 668.69                | 33.43               |
|        | <b>Sub-total Mano de Equipos</b>                           |          |      |     |             |                       | 33.43               |
|        | <b>TOTAL ANALISIS:</b>                                     |          |      |     |             | <b>COSTO/M2</b>       | <b>RDS 2,366.42</b> |
|        |                                                            |          |      |     |             |                       |                     |
| No.    | Descripción                                                | Cantidad | FACT | UD  | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$)     |
| 6.04.1 | Fraguache en superficie                                    | 1.00     |      |     |             |                       | 211.79              |
| 1.00   | <b>Materiales</b>                                          |          |      |     |             |                       |                     |
| 1.10   | Mortero 1:3 + (30 % de desperdicio)                        | 0.01     | 1.00 | U.  | 1,728.17    | 11,329.12             | 113,291.20          |

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|        |                                                 |          |      |     |            |                      |                |
|--------|-------------------------------------------------|----------|------|-----|------------|----------------------|----------------|
|        | Sub-total de materiales                         |          |      |     |            |                      | 113.29         |
| 2.00   | Mano de obra                                    |          |      |     |            |                      |                |
| 2.10   | Careteo con llana                               | 1.00     | 1.00 | m2  |            | 46.31                | 46.31          |
| 2.20   | Andamios                                        | 0.50     | 1.00 | m2  |            | 95.00                | 47.50          |
|        | Sub-total de materiales                         |          |      |     |            |                      | 93.81          |
| 3.00   | Equipos                                         |          |      |     |            |                      |                |
| 3.10   | Uso de Herramientas 5 % de la mano de obra      | 5%       | 1.00 | %   |            | 93.81                | 4.69           |
|        | Sub-total Mano de Equipos                       |          |      |     |            |                      | 4.69           |
|        | TOTAL ANALISIS:                                 |          |      |     |            | COSTO/M2             | RDS 211.79     |
|        |                                                 |          |      |     |            |                      |                |
| No.    | Descripción                                     | Cantidad | FACT | UD  | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 6.04.2 | Empaquete maestrado exterior.                   | 1.00     |      |     |            |                      | 523.60         |
| 1.00   | Materiales                                      |          |      |     |            |                      |                |
| 1.10   | Mezcla Pañete                                   | 0.03     | 1.00 | M13 | 935.51     | 6,132.80             | 153.32         |
| 1.20   | Reglas                                          | 0.10     | 1.00 | P2  | 15.56      | 102.00               | 10.20          |
|        | Sub-total de materiales                         |          |      |     |            |                      | 163.52         |
| 2.00   | Mano de obra                                    |          |      |     |            |                      |                |
| 2.10   | Mano de Obra                                    | 1.00     | 1.00 | m2  |            | 247.93               | 247.93         |
| 2.20   | Andamios                                        | 1.00     | 1.00 | m2  |            | 95.00                | 95.00          |
|        | Sub-total de materiales                         |          |      |     |            |                      | 342.93         |
| 3.00   | Equipos                                         |          |      |     |            |                      |                |
| 3.10   | Uso de Herramientas 5 % de la mano de obra      | 5%       | 1.00 | %   |            | 342.93               | 17.15          |
|        | Sub-total Mano de Equipos                       |          |      |     |            |                      | 17.15          |
|        | TOTAL ANALISIS:                                 |          |      |     |            | COSTO/M2             | RDS 523.60     |
|        |                                                 |          |      |     |            |                      |                |
| No.    | Descripción                                     | Cantidad | FACT | UD  | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 6.04.3 | Empaquete maestrado interior.                   | 1.00     |      |     |            |                      | 528.45         |
| 1.00   | Materiales                                      |          |      |     |            |                      |                |
| 1.10   | Mezcla Pañete                                   | 0.03     | 1.00 | M13 | 935.51     | 6,132.80             | 153.32         |
| 1.20   | Reglas                                          | 0.10     | 1.00 | P2  | 15.56      | 102.00               | 10.20          |
|        | Sub-total de materiales                         |          |      |     |            |                      | 163.52         |
| 2.00   | Mano de obra                                    |          |      |     |            |                      |                |
| 2.10   | Mano de Obra                                    | 1.00     | 1.00 | m2  |            | 252.55               | 252.55         |
| 2.20   | Andamios                                        | 1.00     | 1.00 | m2  |            | 95.00                | 95.00          |
|        | Sub-total de materiales                         |          |      |     |            |                      | 347.55         |
| 3.00   | Equipos                                         |          |      |     |            |                      |                |
| 3.10   | Uso de Herramientas 5 % de la mano de obra      | 5%       | 1.00 | %   |            | 347.55               | 17.38          |
|        | Sub-total Mano de Equipos                       |          |      |     |            |                      | 17.38          |
|        | TOTAL ANALISIS:                                 |          |      |     |            | COSTO/M2             | RDS 528.45     |
|        |                                                 |          |      |     |            |                      |                |
| No.    | Descripción                                     | Cantidad | FACT | UD  | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 6.04.4 | Cantos                                          | 1.00     |      |     |            |                      | 206.90         |
| 1.00   | Materiales                                      |          |      |     |            |                      |                |
| 1.10   | Mortero 1:4 para empaquete + 10% desp.          | 0.00     | 1.00 | M13 | 935.51     | 6,132.80             | 15.33          |
| 1.20   | Regla madera americana cepillada 1"x4" / 4 usos | 0.83     | 1.00 | P2  | 15.56      | 102.00               | 84.66          |
|        | Sub-total de materiales                         |          |      |     |            |                      | 99.99          |
| 2.00   | Mano de obra                                    |          |      |     |            |                      |                |
| 2.10   | Mano de Obra                                    | 1.00     | 1.00 | ml  |            | 101.82               | 101.82         |
|        | Sub-total de materiales                         |          |      |     |            |                      | 101.82         |
| 3.00   | Equipos                                         |          |      |     |            |                      |                |
| 3.10   | Uso de Herramientas 5 % de la mano de obra      | 5%       | 1.00 | %   |            | 101.82               | 5.09           |
|        | Sub-total Mano de Equipos                       |          |      |     |            |                      | 5.09           |
|        | TOTAL ANALISIS:                                 |          |      |     |            | COSTO/ML             | RDS 206.90     |
|        |                                                 |          |      |     |            |                      |                |
| No.    | Descripción                                     | Cantidad | FACT | UD  | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 6.04.5 | Mochetas                                        | 1.00     |      |     |            |                      | 206.90         |
| 1.00   | Materiales                                      |          |      |     |            |                      |                |
| 1.10   | Mortero 1:4 para empaquete + 10% desp.          | 0.00     | 1.00 | M13 | 935.51     | 6,132.80             | 15.33          |
| 1.20   | Regla madera americana cepillada 1"x4" / 4 usos | 0.83     | 1.00 | P2  | 15.56      | 102.00               | 84.66          |
|        | Sub-total de materiales                         |          |      |     |            |                      | 99.99          |
| 2.00   | Mano de obra                                    |          |      |     |            |                      |                |
| 2.10   | Mano de Obra                                    | 1.00     | 1.00 | ml  |            | 101.82               | 101.82         |
|        | Sub-total de materiales                         |          |      |     |            |                      | 101.82         |
| 3.00   | Equipos                                         |          |      |     |            |                      |                |





|        |                                                                       |          |      |      |            |                      |                     |
|--------|-----------------------------------------------------------------------|----------|------|------|------------|----------------------|---------------------|
| 3.10   | Uso de Herramientas 5 % de la mano de obra                            | 5%       | 1.00 | %    |            | 101.82               | 5.09                |
|        | <b>Sub-total Mano de Equipos</b>                                      |          |      |      |            |                      | <b>5.09</b>         |
|        | <b>TOTAL ANALISIS:</b>                                                |          |      |      |            | <b>COSTO/ML</b>      | <b>RDS 206.90</b>   |
|        |                                                                       |          |      |      |            |                      |                     |
|        |                                                                       |          |      |      |            |                      |                     |
| No.    | Descripción                                                           | Cantidad | FACT | UD   | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS)      |
| 6.05.1 | Porcelanato 0.30 x 0.30mts. de alto tráfico.                          | 1.00     |      |      |            |                      | 2,288.26            |
| 1.00   | <b>Materiales</b>                                                     |          |      |      |            |                      |                     |
| 1.01   | Porcelanato 0.30 x 0.30mts                                            | 1.00     | 1.00 | m2   | 161.58     | 1,059.22             | 1,059.22            |
| 1.02   | Mortero 1:3                                                           | 0.03     | 1.00 | m3   | 1,728.17   | 11,329.12            | 339.87              |
| 1.03   | Derretido                                                             | 0.25     | 1.00 | funa | 83.90      | 550.00               | 137.50              |
| 1.04   | Separadores                                                           | 0.25     | 1.00 | lib  | 11.44      | 75.00                | 18.75               |
| 1.05   | Estopa                                                                | 0.25     | 1.00 | lib  | 15.25      | 100.00               | 25.00               |
|        | <b>Sub-total de materiales</b>                                        |          |      |      |            |                      | <b>1,580.34</b>     |
| 2.00   | <b>Mano de obra</b>                                                   |          |      |      |            |                      |                     |
| 2.01   | Colocacion                                                            | 1.00     | 1.00 | m2   |            | 674.21               | 674.21              |
|        | <b>Sub-total Mano de Obra</b>                                         |          |      |      |            |                      | <b>674.21</b>       |
| 3.00   | <b>Equipos</b>                                                        |          |      |      |            |                      |                     |
| 3.10   | Uso de Herramientas 5 % de la mano de obra                            | 5%       | 1.00 | %    |            | 674.21               | 33.71               |
|        | <b>Sub-total Mano de Equipos</b>                                      |          |      |      |            |                      | <b>33.71</b>        |
|        | <b>TOTAL ANALISIS:</b>                                                |          |      |      |            | <b>COSTO/M2</b>      | <b>RDS 2,288.26</b> |
|        |                                                                       |          |      |      |            |                      |                     |
|        |                                                                       |          |      |      |            |                      |                     |
| No.    | Descripción                                                           | Cantidad | FACT | UD   | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS)      |
| 6.05.2 | Zócalo                                                                | 1.00     |      |      |            |                      | 343.75              |
| 1.00   | <b>Materiales</b>                                                     |          |      |      |            |                      |                     |
| 1.01   | Porcelanato 0.30 x 0.30mts                                            | 0.10     | 1.00 | m2   | 161.58     | 1,059.22             | 105.92              |
| 1.02   | Mortero 1:3                                                           | 0.0025   | 1.00 | m3   | 1,728.17   | 11,329.12            | 28.32               |
| 1.03   | Derretido                                                             | 0.08     | 1.00 | funa | 83.90      | 550.00               | 44.00               |
| 1.04   | Separadores                                                           | 0.25     | 1.00 | lib  | 11.44      | 75.00                | 18.75               |
| 1.05   | Estopa                                                                | 0.25     | 1.00 | lib  | 15.25      | 100.00               | 25.00               |
|        | <b>Sub-total de materiales</b>                                        |          |      |      |            |                      | <b>221.99</b>       |
| 2.00   | <b>Mano de obra</b>                                                   |          |      |      |            |                      |                     |
| 2.01   | M.O. Colocacion de Zocalos                                            | 1.00     | 1.00 | ml   |            | 115.96               | 115.96              |
|        | <b>Sub-total Mano de Obra</b>                                         |          |      |      |            |                      | <b>115.96</b>       |
| 3.00   | <b>Equipos</b>                                                        |          |      |      |            |                      |                     |
| 3.10   | Uso de Herramientas 5 % de la mano de obra                            | 5%       | 1.00 | %    |            | 115.96               | 5.80                |
|        | <b>Sub-total Mano de Equipos</b>                                      |          |      |      |            |                      | <b>5.80</b>         |
|        | <b>TOTAL ANALISIS:</b>                                                |          |      |      |            | <b>COSTO/ML</b>      | <b>RDS 343.75</b>   |
|        |                                                                       |          |      |      |            |                      |                     |
|        |                                                                       |          |      |      |            |                      |                     |
| No.    | Descripción                                                           | Cantidad | FACT | UD   | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS)      |
| 6.06.1 | Puerta polimetel blanca (0.80 x 2.10)                                 | 1.00     |      |      |            |                      | 8,035.71            |
| 1.00   | <b>Materiales</b>                                                     |          |      |      |            |                      |                     |
| 1.10   | Puertas de polimetel 0.80 x 2.10 (Suministro e instalacion)           | 1.00     | 1.00 | ud   | 1,225.79   | 8,035.71             | 8,035.71            |
|        | <b>Sub-total de materiales</b>                                        |          |      |      |            |                      | <b>8,035.71</b>     |
| 2.00   | <b>Mano de obra</b>                                                   |          |      |      |            |                      |                     |
|        | <b>Sub-total Mano de Obra</b>                                         |          |      |      |            |                      |                     |
| 3.00   | <b>Equipos</b>                                                        |          |      |      |            |                      |                     |
| 3.10   | Uso de Herramientas 5 % de la mano de obra                            | 5%       | 1.00 | %    |            | -                    | -                   |
|        | <b>Sub-total Mano de Equipos</b>                                      |          |      |      |            |                      |                     |
|        | <b>TOTAL ANALISIS:</b>                                                |          |      |      |            | <b>COSTO/M2</b>      | <b>RDS 8,035.71</b> |
|        |                                                                       |          |      |      |            |                      |                     |
|        |                                                                       |          |      |      |            |                      |                     |
| No.    | Descripción                                                           | Cantidad | FACT | UD   | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS)      |
| 6.07.1 | Ventanas corredizas de aluminio natural y cristal claro.(0.80 x 1.00) | 1.00     |      |      |            |                      | 3,597.95            |
| 1.00   | <b>Materiales</b>                                                     |          |      |      |            |                      |                     |
| 1.10   | Ventanas corredizas de aluminio natural y cristal claro.(0.80 x 1.00) | 1.00     | 1.00 | M2   | 548.84     | 3,597.95             | 3,597.95            |
|        | <b>Sub-total de materiales</b>                                        |          |      |      |            |                      | <b>3,597.95</b>     |
| 2.00   | <b>Mano de obra</b>                                                   |          |      |      |            |                      |                     |
|        | <b>Sub-total Mano de Obra</b>                                         |          |      |      |            |                      |                     |
| 3.00   | <b>Equipos</b>                                                        |          |      |      |            |                      |                     |
| 3.10   | Uso de Herramientas 5 % de la mano de obra                            | 5%       | 1.00 | %    |            | -                    | -                   |
|        | <b>Sub-total Mano de Equipos</b>                                      |          |      |      |            |                      |                     |
|        | <b>TOTAL ANALISIS:</b>                                                |          |      |      |            | <b>COSTO/M2</b>      | <b>RDS 3,597.95</b> |

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| No.    | Descripción                                       | Cantidad | FACT | UD   | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$)    |
|--------|---------------------------------------------------|----------|------|------|-------------|-----------------------|--------------------|
| 4.07.2 | Rejas (Incluye pintura).                          | 1.00     |      |      |             |                       | 465.14             |
| 1.00   | <b>Materiales</b>                                 |          |      |      |             |                       |                    |
| 1.10   | Barra Hierro negro cuadrada 1 1/2" x 20'          | 0.14     | 1.00 | UD   | 79.17       | 519.00                | 71.73              |
| 1.20   | Barra Hierro negro cuadrada 1 1/2" x 20'          | 0.06     | 1.00 | UD   | 151.20      | 991.20                | 62.18              |
| 1.30   | Soldadura universal                               | 0.36     | 1.00 | Lbs  | 11.90       | 78.00                 | 27.85              |
| 1.40   | Pintura Anticorrosivo                             | 0.04     | 1.00 | Gals | 305.08      | 2,000.00              | 80.00              |
|        | <b>Sub-total de materiales</b>                    |          |      |      |             |                       | 241.75             |
| 2.00   | <b>Mano de obra</b>                               |          |      |      |             |                       |                    |
| 2.10   | Mano de obra                                      | 0.88     | 1.00 | %    | 36.88       | 241.75                | 212.74             |
|        | <b>Sub-total Mano de Obra</b>                     |          |      |      |             |                       | 212.74             |
| 3.00   | <b>Equipos</b>                                    |          |      |      |             |                       |                    |
| 3.10   | Uso de Herramientas 5 % de la mano de obra        | 5%       | 1.00 | %    |             | 212.74                | 10.64              |
|        | <b>Sub-total Mano de Equipos</b>                  |          |      |      |             |                       | 10.64              |
|        | <b>TOTAL ANALISIS:</b>                            |          |      |      |             | <b>COSTO/P2</b>       | <b>RD\$ 465.14</b> |
|        |                                                   |          |      |      |             |                       |                    |
|        |                                                   |          |      |      |             |                       |                    |
| No.    | Descripción                                       | Cantidad | FACT | UD   | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$)    |
| 6.08.1 | Acrilica base blanca (blanca 00 popular económ.). | 1.00     |      |      |             |                       | 173.13             |
| 1.00   | <b>Materiales</b>                                 |          |      |      |             |                       |                    |
| 1.01   | Pintura Acrilica                                  | 0.04     | 1.00 | gl   | 207.15      | 1,358.00              | 54.32              |
| 1.02   | Brochas                                           | 1.00     | 1.00 | ud   | 9.92        | 65.00                 | 65.00              |
|        | <b>Sub-total de materiales</b>                    |          |      |      |             |                       | 119.32             |
| 2.00   | <b>Mano de obra</b>                               |          |      |      |             |                       |                    |
| 2.10   | Mano de Obra Col. Pintura                         | 1.00     | 1.00 | m2   |             | 51.25                 | 51.25              |
|        | <b>Sub-total Mano de Obra</b>                     |          |      |      |             |                       | 51.25              |
| 3.00   | <b>Equipos</b>                                    |          |      |      |             |                       |                    |
| 3.10   | Uso de Herramientas 5 % de la mano de obra        | 5%       | 1.00 | %    |             | 51.25                 | 2.56               |
|        | <b>Sub-total Mano de Equipos</b>                  |          |      |      |             |                       | 2.56               |
|        | <b>TOTAL ANALISIS:</b>                            |          |      |      |             | <b>COSTO/M2</b>       | <b>RD\$ 173.13</b> |
|        |                                                   |          |      |      |             |                       |                    |
|        |                                                   |          |      |      |             |                       |                    |
| No.    | Descripción                                       | Cantidad | FACT | UD   | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$)    |
| 6.08.2 | Acrilica pared exterior                           | 1.00     |      |      |             |                       | 174.61             |
| 1.00   | <b>Materiales</b>                                 |          |      |      |             |                       |                    |
| 1.01   | Pintura Acrilica                                  | 0.04     | 1.00 | gl   | 212.80      | 1,395.02              | 55.80              |
| 1.02   | Brochas                                           | 1.00     | 1.00 | ud   | 9.92        | 65.00                 | 65.00              |
|        | <b>Sub-total de materiales</b>                    |          |      |      |             |                       | 120.80             |
| 2.00   | <b>Mano de obra</b>                               |          |      |      |             |                       |                    |
| 2.10   | Mano de Obra Col. Pintura                         | 1.00     | 1.00 | m2   |             | 51.25                 | 51.25              |
|        | <b>Sub-total Mano de Obra</b>                     |          |      |      |             |                       | 51.25              |
| 3.00   | <b>Equipos</b>                                    |          |      |      |             |                       |                    |
| 3.10   | Uso de Herramientas 5 % de la mano de obra        | 5%       | 1.00 | %    |             | 51.25                 | 2.56               |
|        | <b>Sub-total Mano de Equipos</b>                  |          |      |      |             |                       | 2.56               |
|        | <b>TOTAL ANALISIS:</b>                            |          |      |      |             | <b>COSTO/M2</b>       | <b>RD\$ 174.61</b> |
|        |                                                   |          |      |      |             |                       |                    |
|        |                                                   |          |      |      |             |                       |                    |
| No.    | Descripción                                       | Cantidad | FACT | UD   | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$)    |
| 6.08.3 | Acrilica pared exterior                           | 1.00     |      |      |             |                       | 274.36             |
| 1.00   | <b>Materiales</b>                                 |          |      |      |             |                       |                    |
| 1.01   | Pintura Acrilica                                  | 0.04     | 1.00 | gl   | 212.80      | 1,395.02              | 55.80              |
| 1.02   | Brochas                                           | 1.00     | 1.00 | ud   | 9.92        | 65.00                 | 65.00              |
|        | <b>Sub-total de materiales</b>                    |          |      |      |             |                       | 120.80             |
| 2.00   | <b>Mano de obra</b>                               |          |      |      |             |                       |                    |
| 2.10   | Mano de Obra Col. Pintura                         | 1.00     | 1.00 | m2   |             | 51.25                 | 51.25              |
| 2.20   | Andamios                                          | 1.00     | 1.00 | m2   |             | 95.00                 | 95.00              |
|        | <b>Sub-total Mano de Obra</b>                     |          |      |      |             |                       | 146.25             |
| 3.00   | <b>Equipos</b>                                    |          |      |      |             |                       |                    |
| 3.10   | Uso de Herramientas 5 % de la mano de obra        | 5%       | 1.00 | %    |             | 146.25                | 7.31               |
|        | <b>Sub-total Mano de Equipos</b>                  |          |      |      |             |                       | 7.31               |
|        | <b>TOTAL ANALISIS:</b>                            |          |      |      |             | <b>COSTO/M2</b>       | <b>RD\$ 274.36</b> |
|        |                                                   |          |      |      |             |                       |                    |
|        |                                                   |          |      |      |             |                       |                    |
| No.    | Descripción                                       | Cantidad | FACT | UD   | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$)    |
| 6.08.4 | Inodoro Blanco de Servicio + Salidas              | 1.00     |      |      |             |                       | 17,049.13          |

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|        |                                                                                            |             |      |     |             |                       |                       |
|--------|--------------------------------------------------------------------------------------------|-------------|------|-----|-------------|-----------------------|-----------------------|
| 1.00   | <b>Materiales</b>                                                                          |             |      |     |             |                       |                       |
| 1.01   | Tubo 4"x19", pvc SDR-41 + 10% desp.                                                        | 0.17        | 1.00 | u   | 279.91      | 1,834.99              | 311.95                |
| 1.02   | Yee 4"x4", pvc dren.                                                                       | 1.00        | 1.00 | u   | 17.69       | 115.98                | 115.98                |
| 1.03   | Codo 4"x45, pvc dren.                                                                      | 1.00        | 1.00 | u   | 15.63       | 102.44                | 102.44                |
| 1.04   | Codo 4"x90, pvc dren.                                                                      | 1.00        | 1.00 | u   | 29.75       | 195.00                | 195.00                |
| 1.05   | Cemento pvc cñlolo, 1/4 gl., Cano, pinta, Cano + 25% desp.                                 | 0.04        | 1.00 | u   | 131.83      | 864.20                | 36.01                 |
| 1.06   | Tee 1/2", h.g. (fría y cal.)                                                               | 1.00        | 1.00 | u   | 9.22        | 60.43                 | 60.43                 |
| 1.07   | Tubo 1/2"x20", h.g., mamey + 10% desp. (fría y cal.)                                       | 0.17        | 1.00 | u   | 89.10       | 584.10                | 99.30                 |
| 1.08   | Codo 1/2"x90, h.g. (fría y cal.)                                                           | 2.00        | 1.00 | u   | 7.49        | 49.09                 | 98.18                 |
| 1.09   | Reduc. "bushina" 1/2"x3/8", h.g. (fría y cal.)                                             | 1.00        | 1.00 | u   | 5.25        | 34.39                 | 34.39                 |
| 1.10   | Oxido Tropical Rolo AAA (en tub.s h.g.)                                                    | 0.02        | 1.00 | gl  | 128.14      | 840.00                | 16.80                 |
| 1.11   | Inodoro Sensación Elona C/A Blanco Corona                                                  | 1.00        | 1.00 | u   | 1,624.58    | 10,650.00             | 10,650.00             |
| 1.12   | Arandela plástica PVC p/inodoro s/tornillo 4x3"                                            | 1.00        | 1.00 | u   | 134.08      | 879.00                | 879.00                |
| 1.13   | Tornillos p/bacina, 1/4"x2 1/2", HP167 R-801AA                                             | 1.00        | 1.00 | lgo | 3.81        | 25.00                 | 25.00                 |
| 1.14   | Junta de cera                                                                              | 1.00        | 1.00 | u   | 28.22       | 185.00                | 185.00                |
| 1.15   | Cemento Bco. 40 kilos, "Titan"                                                             | 0.04        | 1.00 | lga | 382.88      | 2,510.00              | 100.40                |
| 1.16   | Llave angular 1/2" ó 3/8", "EASTMAN"                                                       | 1.00        | 1.00 | u   | 35.39       | 232.00                | 232.00                |
| 1.17   | Niple niquelado 3/8"x2 1/2", "Aquavita" MN041B                                             | 1.00        | 1.00 | u   | 2.90        | 19.00                 | 19.00                 |
| 1.18   | Cubrefalta Niquel 3/8", Eastman #25701                                                     | 1.00        | 1.00 | u   | 1.37        | 9.00                  | 9.00                  |
| 1.19   | Tubo flexible para inodoro, tuerca, 3/8"x7/8" 50 cm., BIT20CS                              | 1.00        | 1.00 | u   | 39.51       | 259.00                | 259.00                |
| 1.20   | Rollo teflón 3/4" + 25% desp.                                                              | 0.70        | 1.00 | u   | 2.90        | 19.00                 | 13.30                 |
|        | <b>Sub-total de materiales</b>                                                             |             |      |     |             |                       | <b>13,442.17</b>      |
| 2.00   | <b>Mano de obra</b>                                                                        |             |      |     |             |                       |                       |
| 2.01   | Téc. no calif., ALBANIL (TNCAL), Excavar y tapar zanja (tierra)                            | 0.12        | 1.00 | día |             | 980.59                | 117.67                |
|        | M.O. Inst. Aparato Sanit. Inodoro alargado bco                                             | 1.00        | 1.00 | u   |             | 3,317.53              | 3,317.53              |
|        | <b>Sub-total Mano de Obra</b>                                                              |             |      |     |             |                       | <b>3,435.20</b>       |
| 3.00   | <b>Equipos</b>                                                                             |             |      |     |             |                       |                       |
| 3.10   | Uso de Herramientas 5 % de la mano de obra                                                 | 5%          | 1.00 | %   |             | 3,435.20              | 171.76                |
|        | <b>Sub-total Mano de Equipos</b>                                                           |             |      |     |             |                       | <b>171.76</b>         |
|        | <b>TOTAL ANALISIS:</b>                                                                     |             |      |     |             | <b>COSTO/UD</b>       | <b>RD\$ 17,049.13</b> |
| No.    | Descripción                                                                                | Cantidad    | FACT | UD  | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$)       |
| 6.08.5 | <b>Lavamanos Blanco de Servicio + Salidas</b>                                              | <b>1.00</b> |      |     |             |                       | <b>12,737.05</b>      |
| 1.00   | <b>Materiales</b>                                                                          |             |      |     |             |                       |                       |
| 1.01   | Lavamanos (incluye pedestal)                                                               | 0.17        | 1.00 | u   | 1,236.81    | 8,108.00              | 1,378.36              |
| 1.02   | Mezcladora para lavamanos                                                                  | 1.00        | 1.00 | u   | 626.74      | 4,108.61              | 4,108.61              |
| 1.03   | Tubo flexible para lavamanos                                                               | 1.00        | 1.00 | u   | 279.82      | 1,834.34              | 1,834.34              |
| 1.04   | Niples de 3/8"x3"                                                                          | 1.00        | 1.00 | u   | 25.56       | 167.57                | 167.57                |
| 1.05   | Reducción de 1/2" @ 3/8"                                                                   | 0.04        | 1.00 | u   | 4.97        | 32.57                 | 1.36                  |
| 1.06   | Llave angular de 3/8"                                                                      | 1.00        | 1.00 | u   | 6.39        | 41.89                 | 41.89                 |
| 1.07   | Cemento Tanqit                                                                             | 0.17        | 1.00 | u   | 89.10       | 584.10                | 99.30                 |
| 1.08   | Tubo flexible + tuerca, 3/8"x7/8" 50 cm., BIT20CS                                          | 1.00        | 1.00 | u   | 39.51       | 259.00                | 259.00                |
| 1.09   | Rollo teflón 3/4" + 25% desp.                                                              | 0.70        | 1.00 | u   | 2.90        | 19.00                 | 13.30                 |
|        | <b>Sub-total de materiales</b>                                                             |             |      |     |             |                       | <b>7,903.72</b>       |
| 2.00   | <b>Mano de obra</b>                                                                        |             |      |     |             |                       |                       |
| 2.01   | Montura de lavamanos con patas                                                             | 1.00        | 1.00 | día |             | 2,302.93              | 2,302.93              |
| 2.02   | Salidas de agua                                                                            | 2.00        | 1.00 | u   |             | 1,150.12              | 2,300.24              |
| 2.03   | Desagües de aparatos de 2"                                                                 | 1.00        | 1.00 | u   |             | 927.52                | 4,603.17              |
|        | <b>Sub-total Mano de Obra</b>                                                              |             |      |     |             |                       | <b>4,603.17</b>       |
| 3.00   | <b>Equipos</b>                                                                             |             |      |     |             |                       |                       |
| 3.10   | Uso de Herramientas 5 % de la mano de obra                                                 | 5%          | 1.00 | %   |             | 4,603.17              | 230.16                |
|        | <b>Sub-total Mano de Equipos</b>                                                           |             |      |     |             |                       | <b>230.16</b>         |
|        | <b>TOTAL ANALISIS:</b>                                                                     |             |      |     |             | <b>COSTO/UD</b>       | <b>RD\$ 12,737.05</b> |
| No.    | Descripción                                                                                | Cantidad    | FACT | UD  | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$)       |
| 7.01   | <b>Asfaltado del área de intervención para la Construcción del Muro E= 2" (Ver Planos)</b> | <b>1.00</b> |      |     |             |                       | <b>23,685.04</b>      |
| 1.00   | <b>Materiales</b>                                                                          |             |      |     |             |                       |                       |
| 1.01   | Mezcla asfáltica densa con árido 16mm tamaño                                               | 1.00        | 1.00 | M3  | 991.53      | 6,500.00              | 6,500.00              |
| 1.02   | Aplicación de Riego de Imprimación RC-2 dota. 0.50gl/m2, con gravilla                      | 1.00        | 1.00 | m2  | 33.28       | 218.20                | 218.20                |
| 1.03   | Riego de Adherencia                                                                        | 1.00        | 1.00 | m2  | 5.20        | 34.10                 | 34.10                 |
| 1.04   | Colocación y Compactación de asfalto                                                       | 1.00        | 1.00 | m3c | 148.02      | 970.37                | 970.37                |
| 1.05   | Camión de agua 2500 al                                                                     | 0.50        | 1.00 | Ud. | 572.03      | 3,750.00              | 1,875.00              |
| 1.06   | Transporte mezcla asfáltica (70km)                                                         | 1.00        | 1.00 | M3  | 4.59        | 30.09                 | 30.09                 |
|        | <b>Sub-total de materiales</b>                                                             |             |      |     |             |                       | <b>9,627.76</b>       |
| 2.00   | <b>Mano de obra</b>                                                                        |             |      |     |             |                       |                       |
| 2.01   | Ayudantes                                                                                  | 2.00        | 1.00 | u   |             | 927.52                | 1,855.04              |
|        | <b>Sub-total Mano de Obra</b>                                                              |             |      |     |             |                       | <b>13,387.89</b>      |
| 3.00   | <b>Equipos</b>                                                                             |             |      |     |             |                       |                       |
| 3.10   | Uso de Herramientas 5 % de la mano de obra                                                 | 5%          | 1.00 | %   |             | 13,387.89             | 669.39                |





|  |                           |  |  |  |  |          |               |
|--|---------------------------|--|--|--|--|----------|---------------|
|  | Sub-total Mano de Equipos |  |  |  |  |          | 669.39        |
|  | TOTAL ANALISIS:           |  |  |  |  | COSTO/M3 | RDS 23,685.04 |
|  |                           |  |  |  |  | COSTO/M2 | RDS 1,184.25  |
|  |                           |  |  |  |  |          |               |

| No.  | Descripción                                         | Cantidad | FACT | UD  | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
|------|-----------------------------------------------------|----------|------|-----|------------|----------------------|----------------|
| 7.02 | Redonda de 6 pies con alambre de púas               | 1.00     |      |     |            |                      | 1,949.07       |
| 1.00 | Materiales                                          |          |      |     |            |                      |                |
| 1.01 | Abrazadera redonda 2 1/2"                           | 0.78     | 1.00 | ud  | 3.05       | 20.00                | 15.60          |
| 1.02 | Alambre de púas C-16x110 m, rollo                   | 0.04     | 1.00 | lb. | 292.47     | 1,917.30             | 76.69          |
| 1.03 | Barra tensora de 6', hierro pintado                 | 0.08     | 1.00 | ud  | 27.14      | 177.94               | 14.24          |
| 1.04 | Copa final para malla ciclónica 2"                  | 0.06     | 1.00 | ud  | 9.23       | 60.48                | 3.63           |
| 1.05 | Hoja de sequeña Roja flexible "Bellota" 4601-12     | 0.05     | 1.00 | ud  | 8.00       | 52.45                | 2.62           |
| 1.06 | Malla ciclónica galv. cal. 9, 6' + 5% desp.         | 3.50     | 1.00 | ple | 24.79      | 162.50               | 568.75         |
| 1.07 | Palometa 1 1/2"x1 1/4", 3 cuerdas, doble            | 0.28     | 1.00 | ud  | 24.25      | 159.00               | 44.52          |
| 1.08 | Terminal de 1 1/4"                                  | 0.20     | 1.00 | ud  | 5.35       | 35.10                | 7.02           |
| 1.09 | Abrazadera redonda 2 1/2"                           | 0.20     | 1.00 | ud  | 5.03       | 33.00                | 6.60           |
| 1.10 | Tubo 1"x20", h.a. mamey (para unir tubos de 1 1/4") | 0.12     | 1.00 | ud  | 173.70     | 1,138.70             | 136.64         |
| 1.11 | Tubo 1 1/2"x15", h. galv.                           | 0.18     | 1.00 | ud  | 283.72     | 1,859.91             | 334.78         |
| 1.12 | Tubo 1 1/4"x20", h. galv.                           | 0.16     | 1.00 | ud  | 80.73      | 529.23               | 84.68          |
| 1.13 | Zapata de piso                                      | 2.00     | 1.00 | ud  | -          | -                    | -              |
|      | Sub-total de materiales                             |          |      |     |            |                      | 1,295.77       |
| 2.00 | Mano de obra                                        |          |      |     |            |                      |                |
| 2.10 | M.O. Coloc. malla ciclónica 6'                      | 1.00     | 1.00 | m   | 84.23      | 552.19               | 552.19         |
| 2.20 | M.O. Coloc. Alambre de púas                         | 1.00     | 1.00 | m   | 10.68      | 70.00                | 70.00          |
|      | Sub-total Mano de Obra                              |          |      |     |            |                      | 622.19         |
| 3.00 | Equipos                                             |          |      |     |            |                      |                |
| 3.10 | Uso de Herramientas 5 % de la mano de obra          | 5%       | 1.00 | %   |            | 622.19               | 31.11          |
|      | Sub-total Mano de Equipos                           |          |      |     |            |                      | 31.11          |
|      | TOTAL ANALISIS:                                     |          |      |     |            | COSTO/ML             | RDS 1,949.07   |

| No.  | Descripción                                                   | Cantidad | FACT | UD | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
|------|---------------------------------------------------------------|----------|------|----|------------|----------------------|----------------|
| 7.03 | Rampa de Acceso Adyacente al Muro (Ver Planos)                | 1.00     |      |    |            |                      | 17,402.10      |
| 1.00 | Materiales                                                    |          |      |    |            |                      |                |
| 1.10 | Hormigón Industrial f'c= 280 kg/cm2 + 5% Desp. Incluye Bombeo | 1.05     | 1.00 | m3 | 1,384.26   | 9,074.58             | 9,528.31       |
| 1.20 | Acero - Cuanfio aa /m3                                        | 1.98     | 1.00 | qq | 488.14     | 3,200.00             | 6,336.00       |
| 1.30 | Alambre Galvanizado #18                                       | 3.96     | 1.00 | Lb | 12.20      | 80.00                | 316.80         |
|      | Sub-total de materiales                                       |          |      |    |            |                      | 16,181.11      |
| 2.00 | Mano de obra                                                  |          |      |    |            |                      |                |
| 2.10 | Mano de Obra Acero                                            | 1.98     | 1.00 | qq |            | 481.56               | 953.49         |
| 2.20 | M.o. Frolado                                                  | 1.00     | 1.00 | m2 |            | 209.36               | 209.36         |
|      | Sub-total de materiales                                       |          |      |    |            |                      | 1,162.85       |
| 3.00 | Equipos                                                       |          |      |    |            |                      |                |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                    | 5%       | 1.00 | %  |            | 1,162.85             | 58.14          |
|      | Sub-total Mano de Equipos                                     |          |      |    |            |                      | 58.14          |
|      | TOTAL ANALISIS:                                               |          |      |    |            | COSTO/M3             | RDS 17,402.10  |

| No.  | Descripción                       | Cantidad | FACT | UD  | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
|------|-----------------------------------|----------|------|-----|------------|----------------------|----------------|
| 1.01 | Limpeza del area                  | 1.00     |      | UD  |            |                      | 160.12         |
| 1.00 | Materiales                        |          |      |     |            |                      |                |
| 1.01 | Herbicida Glifosato Granulado 75% | 0.04     | 1.00 | gl  | 251.69     | 1,650.00             | 66.00          |
|      | Sub-total de materiales           |          |      |     |            |                      | 66.00          |
| 2.00 | Mano de obra                      |          |      |     |            |                      |                |
| 2.01 | Ayudante (limpeza)                | 0.04     | 1.00 | día | -          | 1,260.34             | 50.41          |
| 2.02 | Peon (1 TNC)                      | 0.04     | 1.00 | día | -          | 980.59               | 39.22          |
|      | Sub-total Mano de obra            |          |      |     |            |                      | 89.64          |
| 3.00 | Equipos                           |          |      |     |            |                      |                |
| 3.01 | 5 % de la mano de obra            | 5%       | 1.00 | %   |            | 89.64                | 4.48           |
|      | Sub-total Mano de Equipos         |          |      |     |            |                      | 4.48           |
|      | TOTAL ANALISIS:                   |          |      |     |            | COSTO/M2             | RDS 160.12     |

| No.  | Descripción                          | Cantidad | FACT | UD  | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
|------|--------------------------------------|----------|------|-----|------------|----------------------|----------------|
| 1.02 | Replanteo                            | 1.00     |      | UD  |            |                      | 20,270.66      |
| 1.00 | Materiales                           |          |      |     |            |                      |                |
| 1.01 | Madera + 10% de desperdicio (4 usos) | 19.62    | 1.00 | P2  | 15.56      | 102.00               | 2,000.80       |
| 1.02 | Clavos Corrientes                    | 4.00     | 1.00 | Lb  | 9.15       | 60.00                | 240.00         |
| 1.03 | Cal (Fda. 50 Lb)                     | 2.00     | 1.00 | Fda | 76.27      | 500.00               | 1,000.00       |





|      |                                                                                  |          |      |        |             |                       |                      |
|------|----------------------------------------------------------------------------------|----------|------|--------|-------------|-----------------------|----------------------|
| 1.04 | Hilo Nylon                                                                       | 2.00     | 1.00 | Lb     | 9.92        | 65.00                 | 130.00               |
|      | <b>Sub-total de materiales</b>                                                   |          |      |        |             |                       | <b>3,370.90</b>      |
| 2.00 | <b>Mano de obra</b>                                                              |          |      |        |             |                       |                      |
| 2.01 | Carpintero (Operario de 1ra.)                                                    | 1.00     | 1.00 | día    | -           | 2,334.67              | 2,334.67             |
| 2.02 | Ayudante carpintero (1 Ay)                                                       | 1.00     | 1.00 | día    | -           | 1,260.34              | 1,260.34             |
| 2.03 | Brigada Topografica reducida (1 Topografo, 1 portamiras, 1 chofer)               | 1.00     | 1.00 | Visita | -           | 12,500.00             | 12,500.00            |
|      | <b>Sub-total Mano de obra</b>                                                    |          |      |        |             |                       | <b>16,095.01</b>     |
| 3.00 | <b>Equipos</b>                                                                   |          |      |        |             |                       |                      |
| 3.01 | 5 % de la mano de obra                                                           | 5%       | 1.00 | %      |             | 16,095.01             | 804.75               |
|      | <b>Sub-total Mano de Equipos</b>                                                 |          |      |        |             |                       | <b>804.75</b>        |
|      | <b>TOTAL ANALISIS:</b>                                                           |          |      |        |             | <b>COSTO/UD</b>       | <b>RDS 20,270.64</b> |
|      |                                                                                  |          |      |        |             |                       |                      |
|      |                                                                                  |          |      |        |             |                       |                      |
| No.  | Descripción                                                                      | Cantidad | FACT | UD     | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$)      |
| 1.03 | Demolicion de caseta (Gañia) existente                                           | 1.00     |      | UD     |             |                       | 11,746.52            |
| 1.00 | <b>Materiales</b>                                                                |          |      |        |             |                       |                      |
| 1.01 | Mandamía de 12lb                                                                 | 2.00     | 1.00 | ud     | 279.46      | 1,832.00              | 3,664.00             |
| 1.02 | Marco p/seguela (metálico)                                                       | 1.00     | 1.00 | ud     | 81.31       | 533.00                | 533.00               |
|      | <b>Sub-total de materiales</b>                                                   |          |      |        |             |                       | <b>4,197.00</b>      |
| 2.00 | <b>Mano de obra</b>                                                              |          |      |        |             |                       |                      |
| 2.01 | (Operario de 1ra.)                                                               | 2.00     | 1.00 | día    | -           | 2,334.67              | 4,669.34             |
| 2.02 | Ayudante carpintero (1 Ay)                                                       | 2.00     | 1.00 | día    | -           | 1,260.34              | 2,520.68             |
|      | <b>Sub-total Mano de obra</b>                                                    |          |      |        |             |                       | <b>7,190.02</b>      |
| 3.00 | <b>Equipos</b>                                                                   |          |      |        |             |                       |                      |
| 3.01 | 5 % de la mano de obra                                                           | 5%       | 1.00 | %      |             | 7,190.02              | 359.50               |
|      | <b>Sub-total Mano de Equipos</b>                                                 |          |      |        |             |                       | <b>359.50</b>        |
|      | <b>TOTAL ANALISIS:</b>                                                           |          |      |        |             | <b>COSTO/UD</b>       | <b>RDS 11,746.52</b> |
|      |                                                                                  |          |      |        |             |                       |                      |
|      |                                                                                  |          |      |        |             |                       |                      |
| No.  | Descripción                                                                      | Cantidad | FACT | UD     | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$)      |
| 1.04 | Demolicion de muros de H.A. (Bases de Tanques de Combustible) existente          | 1.00     |      | UD     |             |                       | 7,786.02             |
| 1.00 | <b>Materiales</b>                                                                |          |      |        |             |                       |                      |
| 1.01 | Mandamía de 12lb                                                                 | 0.10     | 1.00 | ud     | 279.46      | 1,832.00              | 183.20               |
| 1.02 | Marco p/seguela (metálico)                                                       | 0.10     | 1.00 | ud     | 81.31       | 533.00                | 53.30                |
|      | <b>Sub-total de materiales</b>                                                   |          |      |        |             |                       | <b>236.50</b>        |
| 2.00 | <b>Mano de obra</b>                                                              |          |      |        |             |                       |                      |
| 2.01 | (Operario de 1ra.)                                                               | 2.00     | 1.00 | día    | -           | 2,334.67              | 4,669.34             |
| 2.02 | Ayudante carpintero (1 Ay)                                                       | 2.00     | 1.00 | día    | -           | 1,260.34              | 2,520.68             |
|      | <b>Sub-total Mano de obra</b>                                                    |          |      |        |             |                       | <b>7,190.02</b>      |
| 3.00 | <b>Equipos</b>                                                                   |          |      |        |             |                       |                      |
| 3.01 | 5 % de la mano de obra                                                           | 5%       | 1.00 | %      |             | 7,190.02              | 359.50               |
|      | <b>Sub-total Mano de Equipos</b>                                                 |          |      |        |             |                       | <b>359.50</b>        |
|      | <b>TOTAL ANALISIS:</b>                                                           |          |      |        |             | <b>COSTO/UD</b>       | <b>RDS 7,786.02</b>  |
|      |                                                                                  |          |      |        |             |                       |                      |
|      |                                                                                  |          |      |        |             |                       |                      |
| No.  | Descripción                                                                      | Cantidad | FACT | UD     | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$)      |
| 1.05 | Retiro de Chatarra metálica y Tanques de Combustibles de muros de H.A. existente | 1.00     |      | UD     |             |                       | 19,274.76            |
| 1.00 | <b>Materiales</b>                                                                |          |      |        |             |                       |                      |
|      | <b>Sub-total de materiales</b>                                                   |          |      |        |             |                       |                      |
| 2.00 | <b>Mano de obra</b>                                                              |          |      |        |             |                       |                      |
| 2.01 | (Operario de 1ra.)                                                               | 1.00     | 1.00 | día    | -           | 2,334.67              | 2,334.67             |
| 2.02 | Ayudante carpintero (1 Ay)                                                       | 1.00     | 1.00 | día    | -           | 1,260.34              | 1,260.34             |
|      | <b>Sub-total Mano de obra</b>                                                    |          |      |        |             |                       | <b>3,595.01</b>      |
| 3.00 | <b>Equipos</b>                                                                   |          |      |        |             |                       |                      |





|            |                                                                          |                 |             |           |                   |                             |                       |
|------------|--------------------------------------------------------------------------|-----------------|-------------|-----------|-------------------|-----------------------------|-----------------------|
| 3.01       | Uso de Grúa                                                              | 1.00            | 1.00        | día       | 2,364.41          | 15,500.00                   | 15,500.00             |
| 3.02       | 5 % de la mano de obra                                                   | 5%              | 1.00        | %         |                   | 3,595.01                    | 179.75                |
|            | <b>Sub-total Mano de Equipos</b>                                         |                 |             |           |                   |                             | <b>15,679.75</b>      |
|            | <b>TOTAL ANALISIS:</b>                                                   |                 |             |           |                   | <b>COSTO/UD</b>             | <b>RDS 19,274.76</b>  |
|            |                                                                          |                 |             |           |                   |                             |                       |
|            |                                                                          |                 |             |           |                   |                             |                       |
| <b>No.</b> | <b>Descripción</b>                                                       | <b>Cantidad</b> | <b>FACT</b> | <b>UD</b> | <b>ITBIS(RDS)</b> | <b>IMPORTE + ITBIS(RDS)</b> | <b>SUB-TOTAL(RDS)</b> |
| 1.06       | Corte de Arboles existentes                                              | 1.00            |             | UD        |                   |                             | 11,736.76             |
|            |                                                                          |                 |             |           |                   |                             |                       |
| 1.00       | <b>Materiales</b>                                                        |                 |             |           |                   |                             |                       |
|            | <b>Sub-total de materiales</b>                                           |                 |             |           |                   |                             | -                     |
|            |                                                                          |                 |             |           |                   |                             |                       |
| 2.00       | <b>Mano de obra</b>                                                      |                 |             |           |                   |                             |                       |
| 2.01       | (Operario de Ira.)                                                       | 1.00            | 1.00        | día       | -                 | 2,334.67                    | 2,334.67              |
| 2.02       | Ayudante carpintero (1 Av)                                               | 1.00            | 1.00        | día       | -                 | 1,260.34                    | 1,260.34              |
|            | <b>Sub-total Mano de obra</b>                                            |                 |             |           |                   |                             | <b>3,595.01</b>       |
|            |                                                                          |                 |             |           |                   |                             |                       |
| 3.00       | <b>Equipos</b>                                                           |                 |             |           |                   |                             |                       |
| 3.01       | Suministro de machete                                                    | 1.00            | 1.00        | UD        | 114.41            | 750.00                      | 750.00                |
| 3.02       | Suministro de motosierra para corte de troncos                           | 1.00            | 1.00        | UD        | 1,100.14          | 7,212.00                    | 7,212.00              |
| 3.02       | 5 % de la mano de obra                                                   | 5%              | 1.00        | %         |                   | 3,595.01                    | 179.75                |
|            | <b>Sub-total Mano de Equipos</b>                                         |                 |             |           |                   |                             | <b>8,141.75</b>       |
|            | <b>TOTAL ANALISIS:</b>                                                   |                 |             |           |                   | <b>COSTO/UD</b>             | <b>RDS 11,736.76</b>  |
|            |                                                                          |                 |             |           |                   |                             |                       |
|            |                                                                          |                 |             |           |                   |                             |                       |
| <b>No.</b> | <b>Descripción</b>                                                       | <b>Cantidad</b> | <b>FACT</b> | <b>UD</b> | <b>ITBIS(RDS)</b> | <b>IMPORTE + ITBIS(RDS)</b> | <b>SUB-TOTAL(RDS)</b> |
| 1.07       | Bote de escombros. (Aprox. 8.00 camiones de 15.00 M3)                    | 1.00 m3         |             | UD        |                   |                             | 65,411.91             |
|            |                                                                          |                 |             |           |                   |                             |                       |
| 1.00       | <b>Materiales</b>                                                        |                 |             |           |                   |                             |                       |
| 0.00       | <b>Sub-total de materiales</b>                                           |                 |             |           |                   |                             | -                     |
|            |                                                                          |                 |             |           |                   |                             |                       |
| 2.00       | <b>Mano de obra</b>                                                      |                 |             |           |                   |                             |                       |
| 2.01       | Ayudante (limpieza)                                                      | 4.00            | 1.00        | día       | -                 | 1,260.34                    | 5,041.36              |
| 2.02       | Peon (1 TNC)                                                             | 4.00            | 1.00        | día       | -                 | 980.59                      | 3,922.36              |
|            | <b>Sub-total Mano de obra</b>                                            |                 |             |           |                   |                             | <b>8,963.72</b>       |
|            |                                                                          |                 |             |           |                   |                             |                       |
| 3.00       | <b>Equipos</b>                                                           |                 |             |           |                   |                             |                       |
| 3.01       | Bote de Escombros                                                        | 16.00           | 1.00        | Viaje     | 533.90            | 3,500.00                    | 56,000.00             |
| 3.02       | 5 % de la mano de obra                                                   | 5%              | 1.00        | %         |                   | 8,963.72                    | 448.19                |
|            | <b>Sub-total Mano de Equipos</b>                                         |                 |             |           |                   |                             | <b>56,448.19</b>      |
|            | <b>TOTAL ANALISIS:</b>                                                   |                 |             |           |                   | <b>COSTO/UD</b>             | <b>RDS 65,411.91</b>  |
|            |                                                                          |                 |             |           |                   |                             |                       |
|            |                                                                          |                 |             |           |                   |                             |                       |
| <b>No.</b> | <b>Descripción</b>                                                       | <b>Cantidad</b> | <b>FACT</b> | <b>UD</b> | <b>ITBIS(RDS)</b> | <b>IMPORTE + ITBIS(RDS)</b> | <b>SUB-TOTAL(RDS)</b> |
| 2.01       | Demolicion de Muro de Bloques existente Con Equipo                       | 1.00            |             | UD        |                   |                             | 1,674.60              |
|            |                                                                          |                 |             |           |                   |                             |                       |
| 1.00       | <b>Materiales</b>                                                        |                 |             |           |                   |                             |                       |
|            | <b>Sub-total de materiales</b>                                           |                 |             |           |                   |                             | -                     |
|            |                                                                          |                 |             |           |                   |                             |                       |
| 2.00       | <b>Mano de obra</b>                                                      |                 |             |           |                   |                             |                       |
| 2.01       | Operador de Compresor                                                    | 1.00            | 1.00        | Hora      | -                 | 233.43                      | 233.43                |
| 2.02       | Ayudante carpintero (1 Av)                                               | 1.00            | 1.00        | Hora      | -                 | 157.54                      | 157.54                |
|            | <b>Sub-total Mano de obra</b>                                            |                 |             |           |                   |                             | <b>390.97</b>         |
|            |                                                                          |                 |             |           |                   |                             |                       |
| 3.00       | <b>Equipos</b>                                                           |                 |             |           |                   |                             |                       |
| 3.01       | 5 % de la mano de obra                                                   | 5%              | 1.00        | %         |                   | 390.97                      | 19.55                 |
| 3.02       | Alquiler Compresor IngersollRand 185CFM (incl. combustible y lubricante) | 0.69            | 1.00        | Hora      | 279.46            | 1,832.00                    | 1,264.08              |
|            | <b>Sub-total Mano de Equipos</b>                                         |                 |             |           |                   |                             | <b>1,283.63</b>       |
|            | <b>TOTAL ANALISIS:</b>                                                   |                 |             |           |                   | <b>COSTO/M3</b>             | <b>RDS 1,674.60</b>   |
|            |                                                                          |                 |             |           |                   |                             |                       |
|            |                                                                          |                 |             |           |                   |                             |                       |
| <b>No.</b> | <b>Descripción</b>                                                       | <b>Cantidad</b> | <b>FACT</b> | <b>UD</b> | <b>ITBIS(RDS)</b> | <b>IMPORTE + ITBIS(RDS)</b> | <b>SUB-TOTAL(RDS)</b> |
| 2.02       | Demolicion de Zapata de Muro de Contencion existente con Equipo          | 1.00            |             | UD        |                   |                             | 1,747.88              |
|            |                                                                          |                 |             |           |                   |                             |                       |
| 1.00       | <b>Materiales</b>                                                        |                 |             |           |                   |                             |                       |
|            | <b>Sub-total de materiales</b>                                           |                 |             |           |                   |                             | -                     |
|            |                                                                          |                 |             |           |                   |                             |                       |
| 2.00       | <b>Mano de obra</b>                                                      |                 |             |           |                   |                             |                       |
| 2.01       | Operador de Compresor                                                    | 1.00            | 1.00        | Hora      | -                 | 233.43                      | 233.43                |
| 2.02       | Ayudante carpintero (1 Av)                                               | 1.00            | 1.00        | Hora      | -                 | 157.54                      | 157.54                |
|            | <b>Sub-total Mano de obra</b>                                            |                 |             |           |                   |                             | <b>390.97</b>         |





|      |                                                                                  |          |      |      |            |                      |                |
|------|----------------------------------------------------------------------------------|----------|------|------|------------|----------------------|----------------|
| 3.00 | Equipos                                                                          |          |      |      |            |                      |                |
| 3.01 | 5% de la mano de obra                                                            | 5%       | 1.00 | %    |            | 390.97               | 19.55          |
| 3.02 | Alquiler Compresor IngersollRand 185CFM (incl. combustible y lubricante)         | 0.73     | 1.00 | Hora | 279.46     | 1,832.00             | 1,337.36       |
|      | Sub-total Mano de Equipos                                                        |          |      |      |            |                      | 1,356.91       |
|      | TOTAL ANALISIS:                                                                  |          |      |      |            | COSTO/M3             | RDS 1,747.88   |
|      |                                                                                  |          |      |      |            |                      |                |
| No.  | Descripción                                                                      | Cantidad | FACT | UD   | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 2.03 | Excavacion de material proximo al muro. (Con Equipo)                             | 1.00 m3  |      | UD   |            |                      | 474.68         |
| 1.00 | Materiales                                                                       |          |      |      |            |                      |                |
| 0.00 |                                                                                  |          |      |      | -          | -                    | -              |
|      | Sub-total de materiales                                                          |          |      |      |            |                      | -              |
| 2.00 | Mano de obra                                                                     |          |      |      |            |                      |                |
| 2.01 | Ayudante (limpieza)                                                              | 0.13     | 1.00 | día  | -          | 1,260.34             | 157.54         |
| 2.02 | Peon (1 TNC)                                                                     | 0.13     | 1.00 | día  | -          | 980.59               | 122.57         |
|      | Sub-total Mano de obra                                                           |          |      |      |            |                      | 280.12         |
| 3.00 | Equipos                                                                          |          |      |      |            |                      |                |
| 3.01 | Retroexcavadora 320-CAT (incluye combustible y lubr. Y Operador) (Rend. 18 m3 H) | 1.00     | 1.00 | hr   | 27.54      | 180.56               | 180.56         |
| 3.02 | 5% de la mano de obra                                                            | 5%       | 1.00 | %    |            | 280.12               | 14.01          |
|      | Sub-total Mano de Equipos                                                        |          |      |      |            |                      | 194.56         |
|      | TOTAL ANALISIS:                                                                  |          |      |      |            | COSTO/M3             | RDS 474.68     |
|      |                                                                                  |          |      |      |            |                      |                |
| No.  | Descripción                                                                      | Cantidad | FACT | UD   | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 2.04 | Excavacion de material proximo al muro. (Con Equipo)                             | 1.00 m3  |      | UD   |            |                      | 474.68         |
| 1.00 | Materiales                                                                       |          |      |      |            |                      |                |
| 0.00 |                                                                                  |          |      |      | -          | -                    | -              |
|      | Sub-total de materiales                                                          |          |      |      |            |                      | -              |
| 2.00 | Mano de obra                                                                     |          |      |      |            |                      |                |
| 2.01 | Ayudante (limpieza)                                                              | 0.13     | 1.00 | día  | -          | 1,260.34             | 157.54         |
| 2.02 | Peon (1 TNC)                                                                     | 0.13     | 1.00 | día  | -          | 980.59               | 122.57         |
|      | Sub-total Mano de obra                                                           |          |      |      |            |                      | 280.12         |
| 3.00 | Equipos                                                                          |          |      |      |            |                      |                |
| 3.01 | Retroexcavadora 320-CAT (incluye combustible y lubr. Y Operador) (Rend. 18 m3 H) | 1.00     | 1.00 | hr   | 27.54      | 180.56               | 180.56         |
| 3.02 | 5% de la mano de obra                                                            | 5%       | 1.00 | %    |            | 280.12               | 14.01          |
|      | Sub-total Mano de Equipos                                                        |          |      |      |            |                      | 194.56         |
|      | TOTAL ANALISIS:                                                                  |          |      |      |            | COSTO/M3             | RDS 474.68     |
|      |                                                                                  |          |      |      |            |                      |                |
| No.  | Descripción                                                                      | Cantidad | FACT | UD   | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 2.05 | Refrero Apisonado en piso (MACO). (Caliche)                                      | 1.00     |      |      |            |                      | 917.31         |
| 1.00 | Materiales                                                                       |          |      |      |            |                      |                |
| 1.10 | Suministro Caliche fino                                                          | 1.00     | 1.00 | m3   | 68.64      | 450.00               | 450.00         |
| 1.10 | Agua                                                                             | 15.86    | 1.00 | gl   | 0.46       | 3.00                 | 47.58          |
|      | Sub-total de materiales                                                          |          |      |      |            |                      | 497.58         |
| 2.00 | Mano de obra                                                                     |          |      |      |            |                      |                |
| 2.01 | Oper. 2da Apisonamiento.                                                         | 0.07     | 1.00 | día  |            | 1,867.44             | 127.04         |
|      | Trabajador no calificado. Regar, mojar                                           | 0.07     | 1.00 | día  |            | 980.59               | 66.71          |
|      | Trabajador no calificado Trasl. Mat.                                             | 0.07     | 1.00 | día  |            | 980.59               | 66.71          |
|      | Sub-total Mano de Obra                                                           |          |      |      |            |                      | 260.45         |
| 3.00 | Equipos                                                                          |          |      |      |            |                      |                |
| 3.10 | Uso de Herramientas 5% de la mano de obra                                        | 5%       | 1.00 | %    |            | 260.45               | 13.02          |
| 3.20 | Apisonador Nanjing RoadSky (Maquito o Ballarina 4T)                              | 0.07     | 1.00 | día  | 327.97     | 2,150.00             | 146.26         |
|      | Sub-total Mano de Equipos                                                        |          |      |      |            |                      | 159.28         |
|      | TOTAL ANALISIS:                                                                  |          |      |      |            | COSTO/M3             | RDS 917.31     |
|      |                                                                                  |          |      |      |            |                      |                |
| No.  | Descripción                                                                      | Cantidad | FACT | UD   | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 2.06 | Bote de Material Excavado (Con Equipo) (Factor de Exp. = 1.20)                   | 1.00 m3  |      | UD   |            |                      | 540.48         |
| 1.00 | Materiales                                                                       |          |      |      |            |                      |                |
| 0.00 |                                                                                  |          |      |      | -          | -                    | -              |
|      | Sub-total de materiales                                                          |          |      |      |            |                      | -              |
| 2.00 | Mano de obra                                                                     |          |      |      |            |                      |                |
| 0.01 | Peon (1 TNC)                                                                     | 0.10     | 1.00 | día  | -          | 980.59               | 98.06          |
|      | Sub-total Mano de obra                                                           |          |      |      |            |                      | 98.06          |





|      |                                                                                                               |          |      |     |            |                      |                |
|------|---------------------------------------------------------------------------------------------------------------|----------|------|-----|------------|----------------------|----------------|
| 3.00 | Equipos                                                                                                       |          |      |     |            |                      |                |
| 3.01 | Bote de Escombros                                                                                             | 1.00     | 1.00 | M3  | 66.74      | 437.50               | 437.50         |
| 3.02 | 5 % de la mano de obra                                                                                        | 5%       | 1.00 | %   |            | 98.06                | 4.90           |
|      | Sub-total Mano de Equipos                                                                                     |          |      |     |            |                      | 442.40         |
|      | TOTAL ANALISIS:                                                                                               |          |      |     |            | COSTO/M3             | RDS 540.46     |
| No.  | Descripción                                                                                                   | Cantidad | FACT | UD  | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 2.07 | Releño compactado caliche (Con Equipo) ( Factor de Comp. = 1.30)                                              | 1.00     |      |     |            |                      | 917.31         |
| 1.00 | Materiales                                                                                                    |          |      |     |            |                      |                |
| 1.10 | Suministro Caliche fino                                                                                       | 1.00     | 1.00 | m3  | 68.64      | 450.00               | 450.00         |
| 1.10 | Agua                                                                                                          | 15.86    | 1.00 | gl  | 0.46       | 3.00                 | 47.58          |
|      | Sub-total de materiales                                                                                       |          |      |     |            |                      | 497.58         |
| 2.00 | Mano de obra                                                                                                  |          |      |     |            |                      |                |
| 2.01 | Oper. 2da Apisonamiento.                                                                                      | 0.07     | 1.00 | día |            | 1,867.44             | 127.04         |
|      | Trabajador no calificado, Regar, mojar                                                                        | 0.07     | 1.00 | día |            | 980.59               | 66.71          |
|      | Trabajador no calificado Trasl. Mat.                                                                          | 0.07     | 1.00 | día |            | 980.59               | 66.71          |
|      | Sub-total Mano de Obra                                                                                        |          |      |     |            |                      | 260.45         |
| 3.00 | Equipos                                                                                                       |          |      |     |            |                      |                |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                    | 5%       | 1.00 | %   |            | 260.45               | 13.02          |
| 3.20 | Apisonador Nanjing RoadSky (Maquito o Ballarina 4T) (Incluye Comb. lubr. +transp.)                            | 0.07     | 1.00 | día | 327.97     | 2,150.00             | 146.26         |
|      | Sub-total Mano de Equipos                                                                                     |          |      |     |            |                      | 159.28         |
|      | TOTAL ANALISIS:                                                                                               |          |      |     |            | COSTO/M3             | RDS 917.31     |
| No.  | Descripción                                                                                                   | Cantidad | FACT | UD  | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 3.01 | Hormigon Simple de Limpieza debajo de la Zapata.                                                              | 1.00     |      |     |            |                      | 9,892.56       |
| 1.00 | Materiales                                                                                                    |          |      |     |            |                      |                |
| 1.10 | Hormigon Industrial Fc=140 kg/cm2 (5% Desp.) + BOMBA                                                          | 1.05     | 1.00 | m3  | 1,294.30   | 8,484.85             | 8,909.09       |
| 1.10 | Madera Laterales Para Molde 2" X 4" (8 Usos)                                                                  | 5.21     | 1.00 | PT  | 15.56      | 102.00               | 531.25         |
| 1.10 | Clavos Dulces Para Encofrado                                                                                  | 1.71     | 1.00 | lb  | 9.15       | 60.00                | 102.53         |
| 1.10 | Alambre Dulce # 18 Para Encofrados                                                                            | 0.00     | 1.00 | lb  | 12.20      | 80.00                | -              |
|      | Sub-total de materiales                                                                                       |          |      |     |            |                      | 9,542.87       |
| 2.00 | Mano de obra                                                                                                  |          |      |     |            |                      |                |
| 2.00 | Oper.                                                                                                         | 0.07     | 1.00 | día |            | 1,867.44             | 127.04         |
| 2.00 | Trabajador no calificado                                                                                      | 0.07     | 1.00 | día |            | 980.59               | 66.71          |
|      | Sub-total Mano de Obra                                                                                        |          |      |     |            |                      | 193.74         |
| 3.00 | Equipos                                                                                                       |          |      |     |            |                      |                |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                    | 5%       | 1.00 | %   |            | 193.74               | 9.69           |
| 3.20 | Apisonador Nanjing RoadSky (Maquito o Ballarina 4T)                                                           | 0.07     | 1.00 | día | 327.97     | 2,150.00             | 146.26         |
|      | Sub-total Mano de Equipos                                                                                     |          |      |     |            |                      | 155.95         |
|      | TOTAL ANALISIS:                                                                                               |          |      |     |            | COSTO/M3             | RDS 9,892.56   |
| No.  | Descripción                                                                                                   | Cantidad | FACT | UD  | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 3.02 | Zapata de Muro de Contencion 6" @ 0.15 A.D. cara inferior y 6" @ 0.15 A.D en cara superior                    | 1.00     |      |     |            |                      | 30,980.84      |
| 1.00 | Materiales                                                                                                    |          |      |     |            |                      |                |
| 1.10 | Hormigón Industrial f'c= 280 kg/cm2 + 5% Desp. Incluye Bombeo                                                 | 1.05     | 1.00 | m3  | 1,384.26   | 9,074.58             | 9,528.31       |
| 1.20 | Acero - Cantidad aa /m3                                                                                       | 5.55     | 1.00 | qa  | 488.14     | 3,200.00             | 17,758.55      |
| 1.30 | Alambre Galvanizado #18                                                                                       | 11.10    | 1.00 | Lb  | 12.20      | 80.00                | 887.93         |
|      | Sub-total de materiales                                                                                       |          |      |     |            |                      | 28,174.78      |
| 2.00 | Mano de obra                                                                                                  |          |      |     |            |                      |                |
| 2.10 | Mano de Obra Acero                                                                                            | 5.55     | 1.00 | qa  |            | 481.56               | 2,672.44       |
|      | Sub-total de materiales                                                                                       |          |      |     |            |                      | 2,672.44       |
| 3.00 | Equipos                                                                                                       |          |      |     |            |                      |                |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                    | 5%       | 1.00 | %   |            | 2,672.44             | 133.62         |
|      | Sub-total Mano de Equipos                                                                                     |          |      |     |            |                      | 133.62         |
|      | TOTAL ANALISIS:                                                                                               |          |      |     |            | COSTO/M3             | RDS 30,980.84  |
| No.  | Descripción                                                                                                   | Cantidad | FACT | UD  | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 3.03 | Muro de Contencion 6" @ 0.15 A.D. En cara izquierda y de 6" @ 0.15 long. Y 6" @ 0.15 transv. en cara derecha. | 1.00     |      |     |            |                      | 31,908.88      |
| 1.00 | Materiales                                                                                                    |          |      |     |            |                      |                |
| 1.10 | Hormigón Industrial f'c= 280 kg/cm2 + 5% Desp. Incluye Bombeo                                                 | 1.05     | 1.00 | m3  | 1,384.26   | 9,074.58             | 9,528.31       |
| 1.20 | Acero - Cantidad aa /m3                                                                                       | 5.58     | 1.00 | qa  | 488.14     | 3,200.00             | 17,871.36      |
| 1.30 | Alambre Galvanizado #18                                                                                       | 11.17    | 1.00 | Lb  | 12.20      | 80.00                | 893.57         |





|      |                                                                                                                                                   |          |      |       |            |                      |                |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-------|------------|----------------------|----------------|
|      | Sub-total de materiales                                                                                                                           |          |      |       |            |                      | 28,293.23      |
| 2.00 | Mano de obra                                                                                                                                      |          |      |       |            |                      |                |
| 2.10 | Mano de Obra Acero                                                                                                                                | 5.58     | 1.00 | qq    | -          | 481.56               | 2,689.42       |
| 2.20 | Encofrado Todo costo                                                                                                                              | 1.11     | 1.00 | ml/m3 | -          | 650.00               | 722.22         |
| 2.30 | Desencofrado                                                                                                                                      | 0.89     | 1.00 | m2    | -          | 35.61                | 31.65          |
|      | Sub-total de materiales                                                                                                                           |          |      |       |            |                      | 3,443.29       |
| 3.00 | Equipos                                                                                                                                           |          |      |       |            |                      |                |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                                                        | 5%       | 1.00 | %     |            | 3,443.29             | 172.16         |
|      | Sub-total Mano de Equipos                                                                                                                         |          |      |       |            |                      | 172.16         |
|      | TOTAL ANALISIS:                                                                                                                                   |          |      |       |            | COSTO/M3             | RDS 31,908.68  |
|      |                                                                                                                                                   |          |      |       |            |                      |                |
|      |                                                                                                                                                   |          |      |       |            |                      |                |
| No.  | Descripción                                                                                                                                       | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 4.01 | Suministro de Material Impermeabilizante en paredes y base del drenaje ( Rollos de 1.00 m x 10 m)                                                 | 1.00     |      |       |            |                      | 3,500.00       |
| 1.00 | Materiales                                                                                                                                        |          |      |       |            |                      |                |
| 1.10 | Impermeabilizante                                                                                                                                 | 1.00     | 1.00 | Rollo | 533.90     | 3,500.00             | 3,500.00       |
|      | Sub-total de materiales                                                                                                                           |          |      |       |            |                      | 3,500.00       |
| 2.00 | Mano de obra                                                                                                                                      |          |      |       |            |                      |                |
|      | Sub-total de materiales                                                                                                                           |          |      |       |            |                      | -              |
| 3.00 | Equipos                                                                                                                                           |          |      |       |            |                      |                |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                                                        | 5%       | 1.00 | %     |            | -                    | -              |
|      | Sub-total Mano de Equipos                                                                                                                         |          |      |       |            |                      | -              |
|      | TOTAL ANALISIS:                                                                                                                                   |          |      |       |            | COSTO/UD             | RDS 3,500.00   |
|      |                                                                                                                                                   |          |      |       |            |                      |                |
|      |                                                                                                                                                   |          |      |       |            |                      |                |
| No.  | Descripción                                                                                                                                       | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 4.02 | Suministro de Tubos perforados Ø 8"X19' de PVC-SDR-26                                                                                             | 1.00     |      |       |            |                      | 10,500.00      |
| 1.00 | Materiales                                                                                                                                        |          |      |       |            |                      |                |
| 1.10 | Tubo SDR-26 PVC 8"x19'-Perforado                                                                                                                  | 1.00     | 1.00 | Ud    | 1,601.69   | 10,500.00            | 10,500.00      |
|      | Sub-total de materiales                                                                                                                           |          |      |       |            |                      | 10,500.00      |
| 2.00 | Mano de obra                                                                                                                                      |          |      |       |            |                      |                |
|      | Sub-total de materiales                                                                                                                           |          |      |       |            |                      | -              |
| 3.00 | Equipos                                                                                                                                           |          |      |       |            |                      |                |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                                                        | 5%       | 1.00 | %     |            | -                    | -              |
|      | Sub-total Mano de Equipos                                                                                                                         |          |      |       |            |                      | -              |
|      | TOTAL ANALISIS:                                                                                                                                   |          |      |       |            | COSTO/UD             | RDS 10,500.00  |
|      |                                                                                                                                                   |          |      |       |            |                      |                |
|      |                                                                                                                                                   |          |      |       |            |                      |                |
| No.  | Descripción                                                                                                                                       | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 4.03 | Suministro de Grava de 1"Ø 1½" (V = 0.30 mts. X 5.00 mts. X 43.27) + 15% de desp.                                                                 | 1.00     |      |       |            |                      | 1,575.00       |
| 1.00 | Materiales                                                                                                                                        |          |      |       |            |                      |                |
| 1.10 | Grava triturada 3/4"                                                                                                                              | 1.00     | 1.00 | M3    | 240.25     | 1,575.00             | 1,575.00       |
|      | Sub-total de materiales                                                                                                                           |          |      |       |            |                      | 1,575.00       |
| 2.00 | Mano de obra                                                                                                                                      |          |      |       |            |                      |                |
|      | Sub-total de materiales                                                                                                                           |          |      |       |            |                      | -              |
| 3.00 | Equipos                                                                                                                                           |          |      |       |            |                      |                |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                                                        | 5%       | 1.00 | %     |            | -                    | -              |
|      | Sub-total Mano de Equipos                                                                                                                         |          |      |       |            |                      | -              |
|      | TOTAL ANALISIS:                                                                                                                                   |          |      |       |            | COSTO/M3             | RDS 1,575.00   |
|      |                                                                                                                                                   |          |      |       |            |                      |                |
|      |                                                                                                                                                   |          |      |       |            |                      |                |
| No.  | Descripción                                                                                                                                       | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 4.04 | Mano de Obra de construcción de Drenaje (perforado de tubos, colocación de tubos, colocación de material impermeable, colocación de grava , etc.) | 1.00     |      |       |            |                      | 103,098.40     |
| 1.00 | Materiales                                                                                                                                        |          |      |       |            |                      |                |
|      | Sub-total de materiales                                                                                                                           |          |      |       |            |                      |                |
| 2.00 | Mano de obra                                                                                                                                      |          |      |       |            |                      |                |
| 2.01 | Operario de Primera                                                                                                                               | 4.00     | 1.00 | día   |            | 1,867.44             | 7,469.76       |
| 2.01 | Trabajador no calificado                                                                                                                          | 4.00     | 1.00 | día   |            | 980.59               | 3,922.36       |
| 2.01 | Operario de segunda                                                                                                                               | 4.00     | 1.00 | día   |            | 1,867.44             | 7,469.76       |
| 2.01 | Ayudantes                                                                                                                                         | 4.00     | 1.00 | día   |            | 1,260.34             | 5,041.36       |
|      | Sub-total de materiales                                                                                                                           |          |      |       |            |                      | 23,903.24      |





|      |                                                                                                                                                               |          |      |       |            |                      |                |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-------|------------|----------------------|----------------|
| 3.00 | Equipos                                                                                                                                                       |          |      |       |            |                      |                |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                                                                    | 5%       | 1.00 | %     |            | 23,903.24            | 1,195.16       |
| 3.20 | Retroexcavadora 320-CAT (incluye combustible y lubr. Y Operador ) (Rend. 18 m3 H)                                                                             | 24.00    | 1.00 | hr    | 495.76     | 3,250.00             | 78,000.00      |
|      | Sub-total Mano de Equipos                                                                                                                                     |          |      |       |            |                      | 79,195.16      |
|      | TOTAL ANALISIS:                                                                                                                                               |          |      |       |            | COSTO/UD             | RDS 103,098.40 |
|      |                                                                                                                                                               |          |      |       |            |                      |                |
|      |                                                                                                                                                               |          |      |       |            |                      |                |
| No.  | Descripción                                                                                                                                                   | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 4.05 | Suministro y colocación de Boraderos en muro de contención con tubos $\phi 2"$ PVC SDR-26 (I= 0.60 Mts. c/u) (11.00 tubos $\phi 2" \times 19'$ de PVC SDR-26) | 1.00     |      |       |            |                      | 1,065.38       |
|      |                                                                                                                                                               |          |      |       |            |                      |                |
| 1.00 | Materiales                                                                                                                                                    |          |      |       |            |                      |                |
| 1.10 | Tubo 2"x19", pvc SDR-26                                                                                                                                       | 0.17     | 1.00 | UD    | 340.17     | 2,230.00             | 379.10         |
| 1.20 | Mortero 1:3                                                                                                                                                   | 0.00     | 1.00 | M3    | 1,728.17   | 11,329.12            | 33.99          |
|      | Sub-total de materiales                                                                                                                                       |          |      |       |            |                      | 379.10         |
| 2.00 | Mano de obra                                                                                                                                                  |          |      |       |            |                      |                |
| 2.10 | Colocación                                                                                                                                                    | 0.35     | 1.00 | Dia   |            | 1,867.44             | 653.60         |
|      | Sub-total de materiales                                                                                                                                       |          |      |       |            |                      | 653.60         |
| 3.00 | Equipos                                                                                                                                                       |          |      |       |            |                      |                |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                                                                    | 5%       | 1.00 | %     |            | 653.60               | 32.68          |
|      | Sub-total Mano de Equipos                                                                                                                                     |          |      |       |            |                      | 32.68          |
|      | TOTAL ANALISIS:                                                                                                                                               |          |      |       |            | COSTO/UD             | RDS 1,065.38   |
|      |                                                                                                                                                               |          |      |       |            |                      |                |
|      |                                                                                                                                                               |          |      |       |            |                      |                |
| No.  | Descripción                                                                                                                                                   | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 5.01 | Asfaltado del area de intervencion para la Construcción del Muro E= 2" (Ver Planos)                                                                           | 1.00     |      |       |            |                      | 23,685.04      |
|      |                                                                                                                                                               |          |      |       |            |                      |                |
| 1.00 | Materiales                                                                                                                                                    |          |      |       |            |                      |                |
| 1.01 | Mezcla asfáltica densa con árido 16mm tamaño                                                                                                                  | 1.00     | 1.00 | M3    | 991.53     | 6,500.00             | 6,500.00       |
| 1.02 | Aplicación de Riego de Imprimación RC-2 dota. 0.50gl/m2, con gravilla                                                                                         | 1.00     | 1.00 | m2    | 33.28      | 218.20               | 218.20         |
| 1.03 | Riego de Adherencia                                                                                                                                           | 1.00     | 1.00 | m2    | 5.20       | 34.10                | 34.10          |
| 1.04 | Colocación y Compactación de asfalto                                                                                                                          | 1.00     | 1.00 | m3c   | 148.02     | 970.37               | 970.37         |
| 1.05 | Camión de agua 2500 gl                                                                                                                                        | 0.50     | 1.00 | Ud.   | 572.03     | 3,750.00             | 1,875.00       |
| 1.06 | Transporte mezcla asfáltica (70km)                                                                                                                            | 1.00     | 1.00 | M3    | 4.59       | 30.09                | 30.09          |
|      | Sub-total de materiales                                                                                                                                       |          |      |       |            |                      | 9,627.76       |
| 2.00 | Mano de obra                                                                                                                                                  |          |      |       |            |                      |                |
| 2.01 | Avudantes                                                                                                                                                     | 2.00     | 1.00 | u     |            | 927.52               | 1,855.04       |
|      | Sub-total Mano de Obra                                                                                                                                        |          |      |       |            |                      | 13,387.89      |
| 3.00 | Equipos                                                                                                                                                       |          |      |       |            |                      |                |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                                                                    | 5%       | 1.00 | %     |            | 13,387.89            | 669.39         |
|      | Sub-total Mano de Equipos                                                                                                                                     |          |      |       |            |                      | 669.39         |
|      | TOTAL ANALISIS:                                                                                                                                               |          |      |       |            | COSTO/M3             | RDS 23,685.04  |
|      |                                                                                                                                                               |          |      |       |            | COSTO/M2             | RDS 1,184.25   |
|      |                                                                                                                                                               |          |      |       |            |                      |                |
|      |                                                                                                                                                               |          |      |       |            |                      |                |
| No.  | Descripción                                                                                                                                                   | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 5.02 | Demolicion de Acera Frontal con Malla Electrosoldada V= 59.91 x 2.30 x 0.12)M3                                                                                | 1.00     |      | UD    |            |                      | 1,711.24       |
|      |                                                                                                                                                               |          |      |       |            |                      |                |
| 1.00 | Materiales                                                                                                                                                    |          |      |       |            |                      |                |
|      | Sub-total de materiales                                                                                                                                       |          |      |       |            |                      | -              |
| 2.00 | Mano de obra                                                                                                                                                  |          |      |       |            |                      |                |
| 2.01 | Operador de Compresor                                                                                                                                         | 1.00     | 1.00 | Hora  | -          | 233.43               | 233.43         |
| 2.02 | Avudante carpintero (1 Av)                                                                                                                                    | 1.00     | 1.00 | Hora  | -          | 157.54               | 157.54         |
|      | Sub-total Mano de obra                                                                                                                                        |          |      |       |            |                      | 390.97         |
| 3.00 | Equipos                                                                                                                                                       |          |      |       |            |                      |                |
| 3.01 | 5 % de la mano de obra                                                                                                                                        | 5%       | 1.00 | %     |            | 390.97               | 19.55          |
| 3.02 | Alquiler Compresor IngersollRand 185CFM (Incl. combustible y lubricante)                                                                                      | 0.71     | 1.00 | Hora  | 279.46     | 1,832.00             | 1,300.72       |
|      | Sub-total Mano de Equipos                                                                                                                                     |          |      |       |            |                      | 1,320.27       |
|      | TOTAL ANALISIS:                                                                                                                                               |          |      |       |            | COSTO/M3             | RDS 1,711.24   |
|      |                                                                                                                                                               |          |      |       |            |                      |                |
|      |                                                                                                                                                               |          |      |       |            |                      |                |
| No.  | Descripción                                                                                                                                                   | Cantidad | FACT | UD    | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
| 5.03 | Acera perimetral                                                                                                                                              | 1.00     |      |       |            |                      | 13,994.04      |
|      |                                                                                                                                                               |          |      |       |            |                      |                |
| 1.00 | Materiales                                                                                                                                                    |          |      |       |            |                      |                |
| 1.10 | Hormigón Industrial f'c= 210 kg/cm2 + 5% Desp. Incluye Bombeo                                                                                                 | 1.05     | 1.00 | m3    | 1,275.28   | 8,360.17             | 8,778.18       |
| 1.20 | Acero malla (D2.3 x D2.3, 10 x 10,Rollo 2.4x40 m.)                                                                                                            | 0.11     | 1.00 | Roll. | 2,812.37   | 18,436.67            | 2,028.03       |
| 1.30 | Alambre Galvanizado #18                                                                                                                                       | 0.22     | 1.00 | Lb    | 12.20      | 80.00                | 17.60          |
| 1.40 | Madera                                                                                                                                                        | 0.70     | 1.00 | P2    | 15.56      | 102.00               | 71.40          |
| 1.50 | Clavo corriente 2 1/2"x10                                                                                                                                     | 0.74     | 1.00 | Lb    | 9.15       | 60.00                | 44.40          |



Handwritten signature or mark.



|      |                                                                                |          |      |      |             |                       |                 |
|------|--------------------------------------------------------------------------------|----------|------|------|-------------|-----------------------|-----------------|
|      | Sub-total de materiales                                                        |          |      |      |             |                       | 10,939.61       |
| 2.00 | Mano de obra                                                                   |          |      |      |             |                       |                 |
| 2.10 | M.o. colocación acero malla                                                    | 10.00    | 1.00 | m2   |             | 72.39                 | 723.91          |
| 2.20 | M.o. de madera                                                                 | 0.05     | 1.00 | ml   |             | 1,867.44              | 93.37           |
| 2.30 | M.o. Frotado                                                                   | 10.00    | 1.00 | m2   |             | 209.36                | 2,093.60        |
|      | Sub-total de materiales                                                        |          |      |      |             |                       | 2,910.88        |
| 3.00 | Equipos                                                                        |          |      |      |             |                       |                 |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                     | 5%       | 1.00 | %    |             | 2,910.88              | 145.54          |
|      | Sub-total Mano de Equipos                                                      |          |      |      |             |                       | 145.54          |
|      | TOTAL ANALISIS:                                                                |          |      |      |             | COSTO/M3              | RDS 13,996.04   |
|      |                                                                                |          |      |      |             |                       |                 |
| No.  | Descripción                                                                    | Cantidad | FACT | UD   | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$) |
| 0.04 | Demolicion de Acero Frontal con Malla Electrosoldada V= 59.91 x 2.30 x 0.12)M3 | 1.00     |      | UD   |             |                       | 111.12          |
| 1.00 | Materiales                                                                     |          |      |      |             |                       |                 |
|      | Sub-total de materiales                                                        |          |      |      |             |                       | -               |
| 2.00 | Mano de obra                                                                   |          |      |      |             |                       |                 |
| 2.01 | Operador de Compresor                                                          | 1.00     | 1.00 | Hora | -           | 233.43                | 233.43          |
| 2.02 | Ayudante carpintero (1 Av)                                                     | 1.00     | 1.00 | Hora | -           | 157.54                | 157.54          |
|      | Sub-total Mano de obra                                                         |          |      |      |             |                       | 390.97          |
| 3.00 | Equipos                                                                        |          |      |      |             |                       |                 |
|      | Rend.                                                                          | 15.73    |      |      |             |                       |                 |
| 3.01 | 5 % de la mano de obra                                                         | 5%       | 1.00 | %    |             | 390.97                | 19.55           |
| 3.02 | Alquiler Compresor IngersollRand 185CFM (incl. combustible y lubricante)       | 0.73     | 1.00 | Hora | 279.46      | 1,832.00              | 1,337.36        |
|      | Sub-total Mano de Equipos                                                      |          |      |      |             |                       | 1,356.91        |
|      | TOTAL ANALISIS:                                                                |          |      |      |             | COSTO/ML              | RDS 111.12      |
|      |                                                                                |          |      |      |             |                       |                 |
| No.  | Descripción                                                                    | Cantidad | FACT | UD   | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$) |
| 0.00 | Construccion de Contenes Nuevos en area frontal L= 59.91 MI                    | 1.00     |      |      |             |                       | 1,520.27        |
| 1.00 | Materiales                                                                     |          |      |      |             |                       |                 |
| 1.10 | Hormigón Industrial f'c= 210 kg/cm2 + 5% Desp. Incluye Bombeo                  | 1.05     | 1.00 | m3   | 1,275.28    | 8,360.17              | 8,778.18        |
| 1.20 | Madera pino americ. cepillado 10"x1"/20 usos                                   | 1.23     | 1.00 | PT   | 15.56       | 102.00                | 125.46          |
| 1.30 | Clavo corriente 2 1/2"x10                                                      | 0.74     | 1.00 | Lb   | 9.15        | 60.00                 | 44.40           |
|      | Sub-total de materiales                                                        |          |      |      |             |                       | 8,948.04        |
| 2.00 | Mano de obra                                                                   |          |      |      |             |                       |                 |
| 2.10 | Mano de obra contenes (madera y pulido)                                        | 7.41     | 1.00 | ML   |             | 297.82                | 2,206.85        |
|      | Sub-total de materiales                                                        |          |      |      |             |                       | 2,206.85        |
| 3.00 | Equipos                                                                        |          |      |      |             |                       |                 |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                     | 5%       | 1.00 | %    |             | 2,206.85              | 110.34          |
|      | Sub-total Mano de Equipos                                                      |          |      |      |             |                       | 110.34          |
|      | TOTAL ANALISIS:                                                                |          |      |      |             | COSTO/ML              | RDS 1,520.27    |
|      |                                                                                |          |      |      |             |                       |                 |
| No.  | Descripción                                                                    | Cantidad | FACT | UD   | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$) |
| 0.00 | Construccion de Contenes Nuevos en area perimetral del area verde L= 113.37 MI | 1.00     |      |      |             |                       | 1,520.27        |
| 1.00 | Materiales                                                                     |          |      |      |             |                       |                 |
| 1.10 | Hormigón Industrial f'c= 210 kg/cm2 + 5% Desp. Incluye Bombeo                  | 1.05     | 1.00 | m3   | 1,275.28    | 8,360.17              | 8,778.18        |
| 1.20 | Madera pino americ. cepillado 10"x1"/20 usos                                   | 1.23     | 1.00 | PT   | 15.56       | 102.00                | 125.46          |
| 1.30 | Clavo corriente 2 1/2"x10                                                      | 0.74     | 1.00 | Lb   | 9.15        | 60.00                 | 44.40           |
|      | Sub-total de materiales                                                        |          |      |      |             |                       | 8,948.04        |
| 2.00 | Mano de obra                                                                   |          |      |      |             |                       |                 |
| 2.10 | Mano de obra contenes (madera y pulido)                                        | 7.41     | 1.00 | ML   |             | 297.82                | 2,206.85        |
|      | Sub-total de materiales                                                        |          |      |      |             |                       | 2,206.85        |
| 3.00 | Equipos                                                                        |          |      |      |             |                       |                 |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                     | 5%       | 1.00 | %    |             | 2,206.85              | 110.34          |
|      | Sub-total Mano de Equipos                                                      |          |      |      |             |                       | 110.34          |
|      | TOTAL ANALISIS:                                                                |          |      |      |             | COSTO/ML              | RDS 1,520.27    |
|      |                                                                                |          |      |      |             |                       |                 |
| No.  | Descripción                                                                    | Cantidad | FACT | UD   | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$) |
| 0.00 | Diseño de Letra JCE en Verja frontal                                           | 1.00     |      |      |             |                       | 2,451.40        |
| 1.00 | Materiales                                                                     |          |      |      |             |                       |                 |
|      | Sub-total de materiales                                                        |          |      |      |             |                       |                 |





|      |                                                              |          |      |     |             |                       |                 |
|------|--------------------------------------------------------------|----------|------|-----|-------------|-----------------------|-----------------|
| 2.00 | Mano de obra                                                 |          |      |     |             |                       |                 |
| 2.10 | Mano de obra                                                 | 1.00     | 1.00 | Día |             | 2,334.67              | 2,334.67        |
|      | Sub-total de materiales                                      |          |      |     |             |                       | 2,334.67        |
| 3.00 | Equipos                                                      |          |      |     |             |                       |                 |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                   | 5%       | 1.00 | %   |             | 2,334.67              | 116.73          |
|      | Sub-total Mano de Equipos                                    |          |      |     |             |                       | 116.73          |
|      | TOTAL ANALISIS:                                              |          |      |     |             | COSTO/UD              | RD\$ 2,451.40   |
|      |                                                              |          |      |     |             |                       |                 |
| No.  | Descripción                                                  | Cantidad | FACT | UD  | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$) |
| 0.00 | Construcción de area verde con siembra de grama A= 145.74 m² | 145.74   |      |     |             |                       | 63,128.81       |
| 1.00 | Materiales                                                   |          |      |     |             |                       |                 |
| 1.10 | Tierra Negra                                                 | 14.57    | 1.00 | m3  | 99.15       | 650.00                | 9,473.10        |
| 1.20 | Grana Enana                                                  | 145.74   | 1.00 | PT  | 53.39       | 350.00                | 51,009.00       |
|      | Sub-total de materiales                                      |          |      |     |             |                       | 60,482.10       |
| 2.00 | Mano de obra                                                 |          |      |     |             |                       |                 |
| 2.10 | Mano de obra                                                 | 2.00     | 1.00 | Día |             | 1,260.34              | 2,520.68        |
|      | Sub-total de materiales                                      |          |      |     |             |                       | 2,520.68        |
| 3.00 | Equipos                                                      |          |      |     |             |                       |                 |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                   | 5%       | 1.00 | %   |             | 2,520.68              | 126.03          |
|      | Sub-total Mano de Equipos                                    |          |      |     |             |                       | 126.03          |
|      | TOTAL ANALISIS:                                              |          |      |     |             | COSTO/M2              | RD\$ 63,128.81  |
|      |                                                              |          |      |     |             |                       |                 |
| No.  | Descripción                                                  | Cantidad | FACT | UD  | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$) |
| 5.04 | Acrílica base blanca (blanco 00 popular económ.)             | 1.00     |      |     |             |                       | 173.13          |
| 1.00 | Materiales                                                   |          |      |     |             |                       |                 |
| 1.01 | Pintura Acrílica                                             | 0.04     | 1.00 | gl  | 207.15      | 1,358.00              | 54.32           |
| 1.02 | Brochas                                                      | 1.00     | 1.00 | ud  | 9.92        | 65.00                 | 65.00           |
|      | Sub-total de materiales                                      |          |      |     |             |                       | 119.32          |
| 2.00 | Mano de obra                                                 |          |      |     |             |                       |                 |
| 2.10 | Mano de Obra Col. Pintura                                    | 1.00     | 1.00 | m2  |             | 51.25                 | 51.25           |
|      | Sub-total Mano de Obra                                       |          |      |     |             |                       | 51.25           |
| 3.00 | Equipos                                                      |          |      |     |             |                       |                 |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                   | 5%       | 1.00 | %   |             | 51.25                 | 2.56            |
|      | Sub-total Mano de Equipos                                    |          |      |     |             |                       | 2.56            |
|      | TOTAL ANALISIS:                                              |          |      |     |             | COSTO/M2              | RD\$ 173.13     |
|      |                                                              |          |      |     |             |                       |                 |
| No.  | Descripción                                                  | Cantidad | FACT | UD  | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$) |
| 5.05 | Acrílica pared exterior                                      | 1.00     |      |     |             |                       | 174.61          |
| 1.00 | Materiales                                                   |          |      |     |             |                       |                 |
| 1.01 | Pintura Acrílica                                             | 0.04     | 1.00 | gl  | 212.80      | 1,395.02              | 55.80           |
| 1.02 | Brochas                                                      | 1.00     | 1.00 | ud  | 9.92        | 65.00                 | 65.00           |
|      | Sub-total de materiales                                      |          |      |     |             |                       | 120.80          |
| 2.00 | Mano de obra                                                 |          |      |     |             |                       |                 |
| 2.10 | Mano de Obra Col. Pintura                                    | 1.00     | 1.00 | m2  |             | 51.25                 | 51.25           |
|      | Sub-total Mano de Obra                                       |          |      |     |             |                       | 51.25           |
| 3.00 | Equipos                                                      |          |      |     |             |                       |                 |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                   | 5%       | 1.00 | %   |             | 51.25                 | 2.56            |
|      | Sub-total Mano de Equipos                                    |          |      |     |             |                       | 2.56            |
|      | TOTAL ANALISIS:                                              |          |      |     |             | COSTO/M2              | RD\$ 174.61     |

|      |                                                                                                                                                                                                                                                                                                                                |          |      |     |             |                       |                 |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-----|-------------|-----------------------|-----------------|
| No.  | Descripción                                                                                                                                                                                                                                                                                                                    | Cantidad | FACT | UD  | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$) |
| 6.01 | Construcción de Porton de Enkada (Ancho= 7.52 mts. Y L= 2.50 mts. con planchuelas de 1 1/2" x 1/4" x 20' de 1.6 mms., barras cuadradas de 1/2" x 20', barras cuadradas de 1/2" x 20', parales de perfiles 3" x 3" con capiteles y tola de 4' x 8' x 3/16" ( Incluye pintura y otros materiales y Mano de Obra). (Ver Planos).. | 1.00     |      |     |             |                       | 91,989.29       |
| 1.00 | Materiales                                                                                                                                                                                                                                                                                                                     |          |      |     |             |                       |                 |
| 1.01 | planchuelas de 1 1/2" x 1/4" x 20'                                                                                                                                                                                                                                                                                             | 12.00    | 1.00 | UND | 251.69      | 1,650.00              | 19,800.00       |
| 1.02 | barras cuadradas de 1/2" x 20'                                                                                                                                                                                                                                                                                                 | 6.00     | 1.00 | UND | 114.41      | 750.00                | 4,500.00        |
| 1.03 | parales de perfiles 3" x 3"                                                                                                                                                                                                                                                                                                    | 4.00     | 1.00 | UND | 303.56      | 1,990.00              | 7,960.00        |
| 1.04 | tola de 4' x 8' x 3/16"                                                                                                                                                                                                                                                                                                        | 1.50     | 1.00 | UND | 343.23      | 2,250.05              | 3,375.08        |
| 1.05 | Bisagras de hierro de 5/8                                                                                                                                                                                                                                                                                                      | 4.00     | 1.00 | UND | 72.46       | 475.00                | 1,900.00        |
| 1.06 | Pestillo                                                                                                                                                                                                                                                                                                                       | 4.00     | 1.00 | UND | 9.15        | 60.00                 | 240.00          |
| 1.07 | Soldadura universal 5/32"                                                                                                                                                                                                                                                                                                      | 10.00    | 1.00 | LBS | 11.90       | 78.00                 | 780.00          |
| 1.08 | Pintura Anticorrosivo                                                                                                                                                                                                                                                                                                          | 2.00     | 1.00 | GL  | 305.08      | 2,000.00              | 4,000.00        |





|      |                                            |       |      |     |          |                 |                      |
|------|--------------------------------------------|-------|------|-----|----------|-----------------|----------------------|
| 1.09 | Thinner                                    | 1.00  | 1.00 | GL  | 74.75    | 490.00          | 490.00               |
| 1.10 | Discos de corte fino 7"                    | 10.00 | 1.00 | UND | 14.49    | 95.00           | 950.00               |
|      | <b>Sub-total de materiales</b>             |       |      |     |          |                 | <b>43,995.07</b>     |
| 2.00 | <b>Mano de obra</b>                        |       |      |     |          |                 |                      |
| 2.10 | Mano de obra herrería                      | 0.75  | 1.00 | %   |          | 43,995.07       | 32,996.30            |
| 2.20 | Transporte a obra                          | 0.34  | 1.00 | %   | 6,711.11 | 43,995.07       | 14,997.92            |
|      | <b>Sub-total Mano de Obra</b>              |       |      |     |          |                 | <b>47,994.22</b>     |
| 3.00 | <b>Equipos</b>                             |       |      |     |          |                 |                      |
| 3.10 | Uso de Herramientas 5 % de la mano de obra | 5%    | 1.00 | %   |          |                 | -                    |
|      | <b>Sub-total Mano de Equipos</b>           |       |      |     |          |                 | -                    |
|      | <b>TOTAL ANALISIS:</b>                     |       |      |     |          | <b>COSTO/UD</b> | <b>RDS 91,989.29</b> |

| No.  | Descripción                                                                                                                                                                                                                                                                                                           | Cantidad | FACT | UD  | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS)      |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-----|------------|----------------------|---------------------|
| 6.02 | Construcción de Porton de Entrada (Ancho= 7.52 mts. Y L= 2.50 mts. con planchuelas de 1½" x ½" x 20' de 1.6 mms., barras cuadradas de ¾" x 20', barras cuadradas de ½" x 20', parales de perfiles 3" x 3" con capiteles y tela de 4' x 8' x 3/16" ( Incluye pintura y otros materiales y Mano de Obra). (Ver Planos). | 1.00     |      |     |            |                      | 6,203.79            |
| 1.00 | <b>Materiales</b>                                                                                                                                                                                                                                                                                                     |          |      |     |            |                      |                     |
| 1.01 | planchuelas de 1½" x ½" x 20'                                                                                                                                                                                                                                                                                         | 0.17     | 1.00 | UND | 251.69     | 1,650.00             | 280.50              |
| 1.02 | barras cuadradas de ¾" x 20'                                                                                                                                                                                                                                                                                          | 0.17     | 1.00 | UND | 114.41     | 750.00               | 127.50              |
| 1.03 | parales de perfiles 3" x 3"                                                                                                                                                                                                                                                                                           | 0.17     | 1.00 | UND | 303.56     | 1,990.00             | 338.30              |
| 1.04 | tela de 4' x 8' x 3/16"                                                                                                                                                                                                                                                                                               | 0.82     | 1.00 | UND | 343.23     | 2,250.05             | 1,845.04            |
| 1.05 | Bisagras de hierro de 5/8                                                                                                                                                                                                                                                                                             | 0.20     | 1.00 | UND | 72.46      | 475.00               | 95.00               |
| 1.06 | Pestillo                                                                                                                                                                                                                                                                                                              | 0.20     | 1.00 | UND | 9.15       | 60.00                | 12.00               |
| 1.07 | Soldadura universal 5/32"                                                                                                                                                                                                                                                                                             | 0.95     | 1.00 | LBS | 11.90      | 78.00                | 74.10               |
| 1.08 | Pintura Anticorrosivo                                                                                                                                                                                                                                                                                                 | 0.04     | 1.00 | GL  | 305.08     | 2,000.00             | 80.00               |
| 1.09 | Thinner                                                                                                                                                                                                                                                                                                               | 0.04     | 1.00 | GL  | 74.75      | 490.00               | 19.60               |
| 1.10 | Discos de corte fino 7"                                                                                                                                                                                                                                                                                               | 1.00     | 1.00 | UND | 14.49      | 95.00                | 95.00               |
|      | <b>Sub-total de materiales</b>                                                                                                                                                                                                                                                                                        |          |      |     |            |                      | <b>2,967.04</b>     |
| 2.00 | <b>Mano de obra</b>                                                                                                                                                                                                                                                                                                   |          |      |     |            |                      |                     |
| 2.10 | Mano de obra herrería                                                                                                                                                                                                                                                                                                 | 0.75     | 1.00 | %   |            | 2,967.04             | 2,225.28            |
| 2.20 | Transporte a obra                                                                                                                                                                                                                                                                                                     | 0.34     | 1.00 | %   | 452.60     | 2,967.04             | 1,011.46            |
|      | <b>Sub-total Mano de Obra</b>                                                                                                                                                                                                                                                                                         |          |      |     |            |                      | <b>3,236.74</b>     |
| 3.00 | <b>Equipos</b>                                                                                                                                                                                                                                                                                                        |          |      |     |            |                      |                     |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                                                                                                                                                                                                                            | 5%       | 1.00 | %   |            |                      | -                   |
|      | <b>Sub-total Mano de Equipos</b>                                                                                                                                                                                                                                                                                      |          |      |     |            |                      | -                   |
|      | <b>TOTAL ANALISIS:</b>                                                                                                                                                                                                                                                                                                |          |      |     |            | <b>COSTO/ML</b>      | <b>RDS 6,203.79</b> |

| No.  | Descripción                                                                             | Cantidad | FACT | UD  | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS)      |
|------|-----------------------------------------------------------------------------------------|----------|------|-----|------------|----------------------|---------------------|
| 6.03 | Readecuación y terminación de Columnas soporte de puerta de Bloques de 8" con Capiteles | 1.00     |      |     |            |                      | 2,358.61            |
| 1.00 | <b>Materiales</b>                                                                       |          |      |     |            |                      |                     |
| 1.10 | Mortero 1:3                                                                             | 0.10     | 1.00 | m3  | 1,728.17   | 11,329.12            | 1,132.91            |
|      | <b>Sub-total de materiales</b>                                                          |          |      |     |            |                      | <b>1,132.91</b>     |
| 2.00 | <b>Mano de obra</b>                                                                     |          |      |     |            |                      |                     |
| 2.10 | Mano de obra                                                                            | 0.50     | 1.00 | Dia |            | 2,334.67             | 1,167.34            |
|      | <b>Sub-total de materiales</b>                                                          |          |      |     |            |                      | <b>1,167.34</b>     |
| 3.00 | <b>Equipos</b>                                                                          |          |      |     |            |                      |                     |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                              | 5%       | 1.00 | %   |            | 1,167.34             | 58.37               |
|      | <b>Sub-total Mano de Equipos</b>                                                        |          |      |     |            |                      | <b>58.37</b>        |
|      | <b>TOTAL ANALISIS:</b>                                                                  |          |      |     |            | <b>COSTO/UD</b>      | <b>RDS 2,358.61</b> |

| No.  | Descripción                                                                         | Cantidad | FACT | UD | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS)      |
|------|-------------------------------------------------------------------------------------|----------|------|----|------------|----------------------|---------------------|
| 7.01 | Suministro de Lampara Led de Calle 60W, Con Fotocelda Integrada, 120V, 5000K, IP65. | 1.00     |      |    |            |                      | 2,025.00            |
| 1.00 | <b>Materiales</b>                                                                   |          |      |    |            |                      |                     |
| 1.10 | Suministro de Lampara Led de Calle 60W, Con Fotocelda Integrada, 120V, 5000K, IP65. | 1.00     | 1.00 | UD | 308.90     | 2,025.00             | 2,025.00            |
|      | <b>Sub-total de materiales</b>                                                      |          |      |    |            |                      | <b>2,025.00</b>     |
| 2.00 | <b>Mano de obra</b>                                                                 |          |      |    |            |                      |                     |
|      | <b>Sub-total de materiales</b>                                                      |          |      |    |            |                      | -                   |
| 3.00 | <b>Equipos</b>                                                                      |          |      |    |            |                      |                     |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                          | 5%       | 1.00 | %  |            |                      | -                   |
|      | <b>Sub-total Mano de Equipos</b>                                                    |          |      |    |            |                      | -                   |
|      | <b>TOTAL ANALISIS:</b>                                                              |          |      |    |            | <b>COSTO/UD</b>      | <b>RDS 2,025.00</b> |

| No. | Descripción | Cantidad | FACT | UD | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS) |
|-----|-------------|----------|------|----|------------|----------------------|----------------|
|-----|-------------|----------|------|----|------------|----------------------|----------------|





|      |                                                                                                                                                                                                                                                                                                                                                                            |          |      |     |            |                      |                      |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-----|------------|----------------------|----------------------|
| 7.02 | Canalización de Salidas de Alimentación Desde Tapon de Registro Roscado de 4" en PVC Hacia Lámparas Led de Calle en Tubería PVC de 3/4", Registro Metálico 2"x4" con Ko. de 3/4" y Alambre #10 THHN (Negro o Rojo para el Potencial, Blanco para Neutro y Verde para Tierra.                                                                                               | 1.00     |      |     |            |                      | 1,862.00             |
| 1.00 | <b>Materiales</b>                                                                                                                                                                                                                                                                                                                                                          |          |      |     |            |                      |                      |
| 1.10 | TUBERIA PVC SDR-26 3/4" x 19'                                                                                                                                                                                                                                                                                                                                              | 3.00     | 1.00 | UD  | 15.10      | 99.00                | 297.00               |
| 1.20 | Caja 2x4 DE 3/4" US                                                                                                                                                                                                                                                                                                                                                        | 1.00     | 1.00 | UD  | 9.92       | 65.00                | 65.00                |
| 1.30 | ALAMBRE #10 THHN AWG                                                                                                                                                                                                                                                                                                                                                       | 60.00    | 1.00 | PIE | 30.00      | 25.00                | 1,500.00             |
|      | <b>Sub-total de materiales</b>                                                                                                                                                                                                                                                                                                                                             |          |      |     |            |                      | <b>1,862.00</b>      |
| 2.00 | <b>Mano de obra</b>                                                                                                                                                                                                                                                                                                                                                        |          |      |     |            |                      |                      |
| 2.10 | Mano de obra                                                                                                                                                                                                                                                                                                                                                               | 0.00     | 1.00 | %   |            | 1,862.00             | -                    |
|      | <b>Sub-total de materiales</b>                                                                                                                                                                                                                                                                                                                                             |          |      |     |            |                      | -                    |
| 3.00 | <b>Equipos</b>                                                                                                                                                                                                                                                                                                                                                             |          |      |     |            |                      |                      |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                                                                                                                                                                                                                                                                                 | 5%       | 1.00 | %   |            | -                    | -                    |
|      | <b>Sub-total Mano de Equipos</b>                                                                                                                                                                                                                                                                                                                                           |          |      |     |            |                      | -                    |
|      | <b>TOTAL ANALISIS:</b>                                                                                                                                                                                                                                                                                                                                                     |          |      |     |            | <b>COSTO/UD</b>      | <b>RDS 1,862.00</b>  |
| No.  | Descripción                                                                                                                                                                                                                                                                                                                                                                | Cantidad | FACT | UD  | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS)       |
| 7.03 | Suministro e Instalación de Tapon de Registro Roscado en PVC de 4". Canalización en Tubería en PVC de 2", 1 1/2" y 1" SDR-26 Desde Registro Metálico Pintado 6"x6"x4" N3R. Alambre #10 AWG THHN Potencial, Neutro y Tierra Para la Alimentación de los 4 Circuitos. (Detalles Sobre Canalización de Tuberías y Distribución de los Circuitos Especificados en los Planos). | 1.00     |      |     |            |                      | 2,422.00             |
| 1.00 | <b>Materiales</b>                                                                                                                                                                                                                                                                                                                                                          |          |      |     |            |                      |                      |
| 1.10 | Tubo SCH-40 PVC 1"x19'                                                                                                                                                                                                                                                                                                                                                     | 3.00     | 1.00 | UD  | 15.10      | 99.00                | 297.00               |
| 1.20 | ALAMBRE #10 THHN AWG                                                                                                                                                                                                                                                                                                                                                       | 60.00    | 1.00 | PIE | 30.00      | 25.00                | 1,500.00             |
| 1.30 | Caja registro 6 x 6 x 4                                                                                                                                                                                                                                                                                                                                                    | 1.00     | 1.00 | UD  | 53.39      | 350.00               | 350.00               |
| 1.40 | Tapon de Registro Roscado en PVC de 4"                                                                                                                                                                                                                                                                                                                                     | 1.00     | 1.00 | UD  | 41.95      | 275.00               | 275.00               |
|      | <b>Sub-total de materiales</b>                                                                                                                                                                                                                                                                                                                                             |          |      |     |            |                      | <b>2,422.00</b>      |
| 2.00 | <b>Mano de obra</b>                                                                                                                                                                                                                                                                                                                                                        |          |      |     |            |                      |                      |
| 2.10 | Mano de obra                                                                                                                                                                                                                                                                                                                                                               | 0.00     | 1.00 | %   |            | 2,422.00             | -                    |
|      | <b>Sub-total de materiales</b>                                                                                                                                                                                                                                                                                                                                             |          |      |     |            |                      | -                    |
| 3.00 | <b>Equipos</b>                                                                                                                                                                                                                                                                                                                                                             |          |      |     |            |                      |                      |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                                                                                                                                                                                                                                                                                 | 5%       | 1.00 | %   |            | -                    | -                    |
|      | <b>Sub-total Mano de Equipos</b>                                                                                                                                                                                                                                                                                                                                           |          |      |     |            |                      | -                    |
|      | <b>TOTAL ANALISIS:</b>                                                                                                                                                                                                                                                                                                                                                     |          |      |     |            | <b>COSTO/UD</b>      | <b>RDS 2,422.00</b>  |
| No.  | Descripción                                                                                                                                                                                                                                                                                                                                                                | Cantidad | FACT | UD  | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS)       |
| 7.04 | Mano de Obra Instalación de Lámpara Led de calle                                                                                                                                                                                                                                                                                                                           | 1.00     |      |     |            |                      | 892.50               |
| 1.00 | <b>Materiales</b>                                                                                                                                                                                                                                                                                                                                                          |          |      |     |            |                      |                      |
|      | <b>Sub-total de materiales</b>                                                                                                                                                                                                                                                                                                                                             |          |      |     |            |                      | -                    |
| 2.00 | <b>Mano de obra</b>                                                                                                                                                                                                                                                                                                                                                        |          |      |     |            |                      |                      |
| 2.10 | Mano de obra                                                                                                                                                                                                                                                                                                                                                               | 1.00     | 1.00 | UD  |            | 850.00               | 850.00               |
|      | <b>Sub-total de materiales</b>                                                                                                                                                                                                                                                                                                                                             |          |      |     |            |                      | <b>850.00</b>        |
| 3.00 | <b>Equipos</b>                                                                                                                                                                                                                                                                                                                                                             |          |      |     |            |                      |                      |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                                                                                                                                                                                                                                                                                 | 5%       | 1.00 | %   |            | 850.00               | 42.50                |
|      | <b>Sub-total Mano de Equipos</b>                                                                                                                                                                                                                                                                                                                                           |          |      |     |            |                      | <b>42.50</b>         |
|      | <b>TOTAL ANALISIS:</b>                                                                                                                                                                                                                                                                                                                                                     |          |      |     |            | <b>COSTO/UD</b>      | <b>RDS 892.50</b>    |
| No.  | Descripción                                                                                                                                                                                                                                                                                                                                                                | Cantidad | FACT | UD  | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS)       |
| 7.05 | Alquiler por Día de Grúa Con Canasto para Instalación de Lámpara Led de Calle                                                                                                                                                                                                                                                                                              | 1.00     |      |     |            |                      | 19,500.00            |
| 1.00 | <b>Materiales</b>                                                                                                                                                                                                                                                                                                                                                          |          |      |     |            |                      |                      |
|      | <b>Sub-total de materiales</b>                                                                                                                                                                                                                                                                                                                                             |          |      |     |            |                      | -                    |
| 2.00 | <b>Mano de obra</b>                                                                                                                                                                                                                                                                                                                                                        |          |      |     |            |                      |                      |
| 2.10 | Mano de obra                                                                                                                                                                                                                                                                                                                                                               | 1.00     | 1.00 | UD  |            |                      |                      |
|      | <b>Sub-total de materiales</b>                                                                                                                                                                                                                                                                                                                                             |          |      |     |            |                      |                      |
| 3.00 | <b>Equipos</b>                                                                                                                                                                                                                                                                                                                                                             |          |      |     |            |                      |                      |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                                                                                                                                                                                                                                                                                 | 5%       | 1.00 | %   |            | -                    | -                    |
| 3.20 | Alquiler por Día de Grúa Con Canasto para Instalación de Lámpara Led de Calle                                                                                                                                                                                                                                                                                              | 1.00     | 1.00 | día | 2,974.58   | 19,500.00            | 19,500.00            |
|      | <b>Sub-total Mano de Equipos</b>                                                                                                                                                                                                                                                                                                                                           |          |      |     |            |                      | <b>19,500.00</b>     |
|      | <b>TOTAL ANALISIS:</b>                                                                                                                                                                                                                                                                                                                                                     |          |      |     |            | <b>COSTO/UD</b>      | <b>RDS 19,500.00</b> |





| No.  | Descripción                                                                                                                                                                                                                                                                                                                                                                                                                                        | Cantidad | FACT | UD     | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS)       |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|--------|------------|----------------------|----------------------|
| 7.06 | Mano de Obra Instalación Salidas de Alimentación desde Tapon de Registro Roscado en PVC Hacia Lámpara Led de Calle                                                                                                                                                                                                                                                                                                                                 | 1.00     |      |        |            |                      | 997.50               |
| 1.00 | <b>Materiales</b>                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |      |        |            |                      |                      |
|      | Sub-total de materiales                                                                                                                                                                                                                                                                                                                                                                                                                            |          |      |        |            |                      | -                    |
| 2.00 | <b>Mano de obra</b>                                                                                                                                                                                                                                                                                                                                                                                                                                |          |      |        |            |                      |                      |
| 2.10 | Mano de obra                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1.00     | 1.00 | UD     |            | 950.00               | 950.00               |
|      | Sub-total de materiales                                                                                                                                                                                                                                                                                                                                                                                                                            |          |      |        |            |                      | 950.00               |
| 3.00 | <b>Equipos</b>                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |      |        |            |                      |                      |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                                                                                                                                                                                                                                                                                                                                                         | 5%       | 1.00 | %      |            | 950.00               | 47.50                |
|      | Sub-total Mano de Equipos                                                                                                                                                                                                                                                                                                                                                                                                                          |          |      |        |            |                      | 47.50                |
|      | <b>TOTAL ANALISIS:</b>                                                                                                                                                                                                                                                                                                                                                                                                                             |          |      |        |            | <b>COSTO/UD</b>      | <b>RDS 997.50</b>    |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |      |        |            |                      |                      |
| No.  | Descripción                                                                                                                                                                                                                                                                                                                                                                                                                                        | Cantidad | FACT | UD     | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS)       |
| 7.07 | Mano de Obra Instalación Salidas de Alimentación desde Registro Metálico 6"x6"x4" Hacia Tapon de Registro Roscado en PVC                                                                                                                                                                                                                                                                                                                           | 1.00     |      |        |            |                      | 997.50               |
| 1.00 | <b>Materiales</b>                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |      |        |            |                      |                      |
|      | Sub-total de materiales                                                                                                                                                                                                                                                                                                                                                                                                                            |          |      |        |            |                      | -                    |
| 2.00 | <b>Mano de obra</b>                                                                                                                                                                                                                                                                                                                                                                                                                                |          |      |        |            |                      |                      |
| 2.10 | Mano de obra                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1.00     | 1.00 | UD     |            | 950.00               | 950.00               |
|      | Sub-total de materiales                                                                                                                                                                                                                                                                                                                                                                                                                            |          |      |        |            |                      | 950.00               |
| 3.00 | <b>Equipos</b>                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |      |        |            |                      |                      |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                                                                                                                                                                                                                                                                                                                                                         | 5%       | 1.00 | %      |            | 950.00               | 47.50                |
|      | Sub-total Mano de Equipos                                                                                                                                                                                                                                                                                                                                                                                                                          |          |      |        |            |                      | 47.50                |
|      | <b>TOTAL ANALISIS:</b>                                                                                                                                                                                                                                                                                                                                                                                                                             |          |      |        |            | <b>COSTO/UD</b>      | <b>RDS 997.50</b>    |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |      |        |            |                      |                      |
| No.  | Descripción                                                                                                                                                                                                                                                                                                                                                                                                                                        | Cantidad | FACT | UD     | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS)       |
| 7.08 | Postes para Lámparas de Hierro de 4"x4" de 2.25 mms. De espesor con con tubos de 1 1/2" para soporte de lámparas con pernos y planchuelas y pedestal de H.A.                                                                                                                                                                                                                                                                                       | 1.00     |      |        |            |                      | 14,048.19            |
| 1.00 | <b>Materiales</b>                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |      |        |            |                      |                      |
| 1.10 | Perfil 4"x4"x20', 2.3 mm, negro                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.00     | 1.00 | UD     | 431.24     | 2,827.03             | 2,827.03             |
| 1.20 | Pernos de 1"                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4.00     | 1.00 | UD     | 11.44      | 75.00                | 300.00               |
| 1.30 | Placas para Soportes                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.00     | 1.00 | UD     | 533.90     | 3,500.00             | 3,500.00             |
| 1.40 | Soldadura                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.50     | 1.00 | Libras | 11.90      | 78.00                | 195.00               |
| 1.50 | Tubo redondo negro 3"x20'                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.17     | 1.00 | UD     | 689.49     | 4,520.00             | 768.40               |
| 1.60 | Soldadura universal 5/32"                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.95     | 1.00 | LBS    | 11.90      | 78.00                | 74.10                |
| 1.70 | Pintura Anticorrosivo                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.04     | 1.00 | GL     | 305.08     | 2,000.00             | 80.00                |
| 1.80 | Thinner                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.04     | 1.00 | GL     | 74.75      | 490.00               | 19.60                |
| 1.90 | Discos de corte fino 7"                                                                                                                                                                                                                                                                                                                                                                                                                            | 1.00     | 1.00 | UND    | 14.49      | 95.00                | 95.00                |
|      | Sub-total de materiales                                                                                                                                                                                                                                                                                                                                                                                                                            |          |      |        |            |                      | 7,859.13             |
| 2.00 | <b>Mano de obra</b>                                                                                                                                                                                                                                                                                                                                                                                                                                |          |      |        |            |                      |                      |
| 2.10 | Herrería                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.75     | 1.00 | %      |            | 7,859.13             | 5,894.35             |
|      | Sub-total de materiales                                                                                                                                                                                                                                                                                                                                                                                                                            |          |      |        |            |                      | 5,894.35             |
| 3.00 | <b>Equipos</b>                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |      |        |            |                      |                      |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                                                                                                                                                                                                                                                                                                                                                         | 5%       | 1.00 | %      |            | 5,894.35             | 294.72               |
|      | Sub-total Mano de Equipos                                                                                                                                                                                                                                                                                                                                                                                                                          |          |      |        |            |                      | 294.72               |
|      | <b>TOTAL ANALISIS:</b>                                                                                                                                                                                                                                                                                                                                                                                                                             |          |      |        |            | <b>COSTO/UD</b>      | <b>RDS 14,048.19</b> |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |      |        |            |                      |                      |
| No.  | Descripción                                                                                                                                                                                                                                                                                                                                                                                                                                        | Cantidad | FACT | UD     | ITBIS(RDS) | IMPORTE + ITBIS(RDS) | SUB-TOTAL(RDS)       |
| 8.01 | Suministro e Instalación de Panel de Distribución 8-16 Circuitos, 1F, 125A, 120/240V, Nema 3R Tipo de disyuntor: THQL Para Alimentación de Lámparas Led de Calle. Compuesto por:<br>Breaker 20A-----4Uds<br>Canalización en tubería EMT 1 1/2" Visto Desde Panel de Distribución Hacia Panel de Lámparas Led de Calle. El Panel será Alimentado Por los siguientes Calibres de Alambre:<br>2 #6 THHN Fase<br>1 #8 THHN Neutro<br>1 #10 THHN Tierra | 1.00     |      |        |            |                      | 21,585.44            |
| 1.00 | <b>Materiales</b>                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |      |        |            |                      |                      |
| 1.01 | Panel distrib. 1 ph, 8 a 16 ctos., 125 amp. GE                                                                                                                                                                                                                                                                                                                                                                                                     | 1.00     | 1.00 | ud     | 647.00     | 4,241.44             | 4,241.44             |
| 1.02 | Breakers 20 Amp.                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4.00     | 1.00 | ud     | 76.27      | 500.00               | 2,000.00             |
| 1.03 | Tubo EMT 1 1/2"x10'                                                                                                                                                                                                                                                                                                                                                                                                                                | 6.00     | 1.00 | ud     | 99.15      | 650.00               | 3,900.00             |





|      |                                                                                                                                                                                                                                                                                                |          |      |     |             |                       |                       |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-----|-------------|-----------------------|-----------------------|
| 1.04 | Coupling EMT 1 1/2" Acero                                                                                                                                                                                                                                                                      | 3.00     | 1.00 | ud  | 11.90       | 78.00                 | 234.00                |
| 1.05 | Alambre #6                                                                                                                                                                                                                                                                                     | 120.00   | 1.00 | ud  | 8.54        | 56.00                 | 6,720.00              |
| 1.06 | Alambre #8                                                                                                                                                                                                                                                                                     | 60.00    | 1.00 | ud  | 7.47        | 49.00                 | 2,940.00              |
| 1.07 | Alambre #12                                                                                                                                                                                                                                                                                    | 60.00    | 1.00 | ud  | 2.14        | 14.00                 | 840.00                |
| 1.08 | Tape                                                                                                                                                                                                                                                                                           | 2.00     | 1.00 | ud  | 54.15       | 355.00                | 710.00                |
|      | <b>Sub-total de materiales</b>                                                                                                                                                                                                                                                                 |          |      |     |             |                       | <b>21,585.44</b>      |
| 2.00 | <b>Mano de obra</b>                                                                                                                                                                                                                                                                            |          |      |     |             |                       |                       |
| 2.10 | Mano de obra                                                                                                                                                                                                                                                                                   | 0%       | 1.00 | %   |             | 21,585.44             | -                     |
|      | <b>Sub-total Mano de Obra</b>                                                                                                                                                                                                                                                                  |          |      |     |             |                       | -                     |
| 3.00 | <b>Equipos</b>                                                                                                                                                                                                                                                                                 |          |      |     |             |                       |                       |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                                                                                                                                                                                                     | 15%      | 1.00 | %   |             | -                     | -                     |
|      | <b>Sub-total Mano de Equipos</b>                                                                                                                                                                                                                                                               |          |      |     |             |                       | -                     |
|      | <b>TOTAL ANALISIS:</b>                                                                                                                                                                                                                                                                         |          |      |     |             | <b>COSTO/UD</b>       | <b>RD\$ 21,585.44</b> |
|      |                                                                                                                                                                                                                                                                                                |          |      |     |             |                       |                       |
|      |                                                                                                                                                                                                                                                                                                |          |      |     |             |                       |                       |
| No.  | Descripción                                                                                                                                                                                                                                                                                    | Cantidad | FACT | UD  | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$)       |
| 8.02 | Canalización en Tubería PVC SDR-26 de 2" Soterrada desde Panel de Lámparas Led de Calle hacia Registro. Incluye Registro Metálico Pintado 8"x8"x4" N3R y Alambre #10 AWG THHN Para Potencial, Neutro y Tierra Para la Alimentación de los 4 Circuitos de Iluminación en Lámparas Led de Calle. | 1.00     |      |     |             |                       | 17,350.50             |
| 1.00 | <b>Materiales</b>                                                                                                                                                                                                                                                                              |          |      |     |             |                       |                       |
| 1.01 | Tubo 2"x1 1/2", pvc SDR-26                                                                                                                                                                                                                                                                     | 3.00     | 1.00 | ud  | 340.17      | 2,230.00              | 6,690.00              |
| 1.02 | ALAMBRE #10 THHN AWG                                                                                                                                                                                                                                                                           | 120.00   | 1.00 | Pie | 3.81        | 25.00                 | 3,000.00              |
| 1.03 | Tape                                                                                                                                                                                                                                                                                           | 2.00     | 1.00 | ud  | 54.15       | 355.00                | 710.00                |
| 1.04 | Registro Metálico Pintado 8"x8"x4                                                                                                                                                                                                                                                              | 1.00     | 1.00 | ud  | 381.36      | 2,500.00              | 2,500.00              |
|      | <b>Sub-total de materiales</b>                                                                                                                                                                                                                                                                 |          |      |     |             |                       | <b>12,900.00</b>      |
| 2.00 | <b>Mano de obra</b>                                                                                                                                                                                                                                                                            |          |      |     |             |                       |                       |
| 2.10 | Mano de obra                                                                                                                                                                                                                                                                                   | 30%      | 1.00 | %   |             | 12,900.00             | 3,870.00              |
|      | <b>Sub-total Mano de Obra</b>                                                                                                                                                                                                                                                                  | 0.00     |      |     |             |                       | <b>3,870.00</b>       |
| 3.00 | <b>Equipos</b>                                                                                                                                                                                                                                                                                 |          |      |     |             |                       |                       |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                                                                                                                                                                                                     | 15%      | 1.00 | %   |             | 3,870.00              | 580.50                |
|      | <b>Sub-total Mano de Equipos</b>                                                                                                                                                                                                                                                               |          |      |     |             |                       | <b>580.50</b>         |
|      | <b>TOTAL ANALISIS:</b>                                                                                                                                                                                                                                                                         |          |      |     |             | <b>COSTO/UD</b>       | <b>RD\$ 17,350.50</b> |
|      |                                                                                                                                                                                                                                                                                                |          |      |     |             |                       |                       |
|      |                                                                                                                                                                                                                                                                                                |          |      |     |             |                       |                       |
| No.  | Descripción                                                                                                                                                                                                                                                                                    | Cantidad | FACT | UD  | ITBIS(RD\$) | IMPORTE + ITBIS(RD\$) | SUB-TOTAL(RD\$)       |
| 8.03 | Mano de obra Instalación Sistema eléctrico de Potencia                                                                                                                                                                                                                                         | 1.00     |      |     |             |                       | 44,776.33             |
| 1.00 | <b>Materiales</b>                                                                                                                                                                                                                                                                              |          |      |     |             |                       |                       |
|      | <b>Sub-total de materiales</b>                                                                                                                                                                                                                                                                 |          |      |     |             |                       | -                     |
| 2.00 | <b>Mano de obra</b>                                                                                                                                                                                                                                                                            |          |      |     |             |                       |                       |
| 2.10 | Mano de obra                                                                                                                                                                                                                                                                                   | 1.00     | 1.00 | UD  |             | 38,935.94             | 38,935.94             |
|      | <b>Sub-total de materiales</b>                                                                                                                                                                                                                                                                 |          |      |     |             |                       | <b>38,935.94</b>      |
| 3.00 | <b>Equipos</b>                                                                                                                                                                                                                                                                                 |          |      |     |             |                       |                       |
| 3.10 | Uso de Herramientas 5 % de la mano de obra                                                                                                                                                                                                                                                     | 15%      | 1.00 | %   |             | 38,935.94             | 5,840.39              |
|      | <b>Sub-total Mano de Equipos</b>                                                                                                                                                                                                                                                               |          |      |     |             |                       | <b>5,840.39</b>       |
|      | <b>TOTAL ANALISIS:</b>                                                                                                                                                                                                                                                                         |          |      |     |             | <b>COSTO/UD</b>       | <b>RD\$ 44,776.33</b> |

*[Handwritten Signature]*

