

**CIRCULAR 004 18 DE MAYO DE 2022**

**DE:** Contraloría Departamental del Tolima.

**PARA:** Sujetos de Control en el Departamento.

**ASUNTO:** GUÍA DE PRECIOS DE REFERENCIA PARA LAS OBRAS PÚBLICAS EN EL DEPARTAMENTO DEL TOLIMA.


Respetados representantes legales de las entidades públicas sujetos de control en el departamento del Tolima, cordial saludo.

Con la finalidad de contar con una herramienta que garantice la objetividad en el desarrollo de los procesos de auditorías a las obras públicas en el Departamento, la Contraloría Departamental del Tolima, a través de un proceso técnico, estructuró la Guía de Precios de Obra Pública para el Departamento del Tolima.

Dicho documento servirá de base en el desarrollo de las auditorías que adelante la Contraloría Departamental del Tolima a las obras públicas ejecutadas a partir de la vigencia 2022, con miras a determinar posibles detrimentos patrimoniales.

Por tal motivo, les invitamos a realizar la revisión de dicho documento a través de nuestra página Web oficial [www.contraloriatolima.gov.co](http://www.contraloriatolima.gov.co), con el objetivo de que les pueda servir de variable en el cálculo del valor estimado de los contratos o estructuración de presupuestos oficiales de los procesos contractuales que se adelanten para la ejecución de obras públicas (Artículo 2.2.1.1.2.1.1. del Decreto 1082 de 2015, (Modificado por el artículo 1 del Decreto 399 del 13 de abril de 2021).

Finalmente, se advierte que la Guía es un documento de consulta y en ningún momento se vuelve de obligatoria aplicación por parte de nuestros sujetos de control.



**Elaboró:**  
Luis Orlando Pácheo Yepes  
Director Técnico de Planeación



**MIRYAM JOHANA MÉNDEZ HORTA**  
Contralora Departamental del Tolima (E)

CONTRALORIA DEPARTAMENTAL DEL TOLIMA



GUIA DE PRECIOS DE OBRA PUBLICA PARA EL DEPARTAMENTO DEL TOLIMA

FECHA: AÑO 2022

|        |        |        |        |        |
|--------|--------|--------|--------|--------|
| ZONA 1 | ZONA 2 | ZONA 3 | ZONA 4 | ZONA 5 |
|--------|--------|--------|--------|--------|

| ITEM                      | DESCRIPCION                           | UND | VR. UNIT | VR. UNIT | VR. UNIT | VR. UNIT | VR. UNIT |
|---------------------------|---------------------------------------|-----|----------|----------|----------|----------|----------|
| <b>A ANALISIS BASICOS</b> |                                       |     |          |          |          |          |          |
| <b>1 CONCRETOS</b>        |                                       |     |          |          |          |          |          |
| 1,1                       | MEZCLA CONCRETO 1500 PSI / 10.1 MPA   | M3  | 239.785  | 236.893  | 239.288  | 238.538  | 232.452  |
| 1,2                       | MEZCLA CONCRETO 2000 PSI / 13 MPA     | M3  | 251.420  | 244.117  | 248.946  | 244.702  | 241.494  |
| 1,3                       | MEZCLA CONCRETO 2500 PSI / 17.5 MPA   | M3  | 283.268  | 275.100  | 280.190  | 276.018  | 272.562  |
| 1,4                       | MEZCLA CONCRETO 3000 PSI / 21 MPA     | M3  | 329.607  | 318.699  | 323.643  | 320.557  | 316.141  |
| 1,5                       | MEZCLA CONCRETO 3500 PSI / 24.5 MPA   | M3  | 360.965  | 347.847  | 352.240  | 350.410  | 345.128  |
| 1,6                       | MEZCLA CONCRETO 4000 PSI / 28 MPA     | M3  | 388.778  | 373.693  | 377.437  | 376.763  | 370.566  |
| 1,7                       | MEZCLA CONCRETO 4500 PSI / 32 MPA     | M3  | 408.484  | 396.252  | 402.040  | 399.696  | 393.869  |
| 1,8                       | MEZCLA CONCRETO 5000 PSI / 35 MPA     | M3  | 423.710  | 410.601  | 416.422  | 414.321  | 408.249  |
| 1,9                       | MEZCLA CONCRETO FLUIDO 3000PSI        | M3  | 350.614  | 342.899  | 346.354  | 342.613  | 338.617  |
| 1,10                      | MEZCLA GROUTING 3000PSI               | M3  | 264.804  | 256.278  | 256.868  | 255.896  | 251.859  |
| <b>2 MORTEROS</b>         |                                       |     |          |          |          |          |          |
| 2,1                       | MORTERO 1:2                           | M3  | 365.881  | 349.611  | 351.631  | 353.256  | 346.701  |
| 2,2                       | MORTERO 1:3                           | M3  | 337.001  | 322.291  | 324.062  | 325.196  | 319.021  |
| 2,3                       | MORTERO 1:4                           | M3  | 328.981  | 315.741  | 318.057  | 317.061  | 313.421  |
| 2,4                       | MORTERO DE PEGA PARA BLOQUE           | M3  | 340.783  | 331.630  | 334.770  | 334.299  | 327.588  |
| 2,5                       | TORTA DE CARGA + MALLA LOSA ENTREPISO | M2  | 16.686   | 16.535   | 16.888   | 16.505   | 16.475   |

DEFINICION DE ZONAS

| ZONA 1:<br>ZONA CENTRO | ZONA 2:<br>ZONA NOR-ORIENTAL | ZONA 3:<br>ZONA NOR-OCCIDENTAL | FACTORES<br>MUNICIPIOS ESPECIFICOS |                      |         |
|------------------------|------------------------------|--------------------------------|------------------------------------|----------------------|---------|
| Ibagué                 | Piedras                      | Palocabildo                    | ZONA 1: ZONA CENTRO                | Factor               |         |
| Alvarado               | Venadillo                    | Fresno                         |                                    |                      |         |
| Espinal                | Lérida                       | Anzoátegui                     | Roncesvalles                       | 1,17                 |         |
| Rovira                 | Ambalema                     | Santa Isabel                   | ZONA 2: ZONA NOR-ORIENTAL          | Factor               |         |
| Cajamarca              | Armero                       | Libano                         |                                    |                      |         |
| Guamo                  | Mariquita                    | Murillo                        | Casabianca                         | 1,08                 |         |
| Coello                 | Honda                        | Villahermosa                   | Herveo                             | 1,12                 |         |
| Roncesvalles           | Falan                        |                                | ZONA 3: ZONA NOR-OCCIDENTAL        | Factor               |         |
|                        | Casabianca                   |                                |                                    |                      |         |
|                        | Herveo                       |                                | Villahermosa                       | 1,08                 |         |
| ZONA 4: ZONA ORIENTE   |                              | ZONA 5: ZONA SUR               |                                    | ZONA 4: ZONA ORIENTE | Factor  |
| Melgar                 | Ataco                        | San Luis                       | Cunday                             | 1,08                 |         |
| Flandes                | Chaparral                    | Saldaña                        |                                    |                      |         |
| Carmen de Apicalá      | Ortega                       | San Antonio                    | Villarrica                         | 1,12                 |         |
| Icononzo               | Coyaima                      | Suárez                         | ZONA 5: ZONA SUR                   | Factor               |         |
| Cunday                 | Natagaima                    | Valle de San Juan              |                                    |                      |         |
| Villarrica             | Alpujarra                    | Planadas                       |                                    |                      | Dolores |
|                        | Prado                        | Rioblanco                      | Rioblanco                          | 1,08                 |         |
|                        | Purificación                 | Dolores                        | Planadas                           | 1,17                 |         |

FACTORES - CENTROS POBLADOS ZONAS RURALES

Los siguientes factores se aplican al valor de la zona a la que pertenece el municipio al que hace parte el centro poblado requerido, según la distancia en km con cabecera municipal a la que corresponde.

**Nota:** Para las obras de infraestructura vial no aplicaran los factores multiplicadores, se aplican los cálculos por transportes o acarreos de materiales de acuerdo a especificaciones de cada obra contemplando el ÍTEM 3.10 del TÍTULO VÍAS y/o concepto de la interventoría o supervisor de obra según el caso.

| DISTANCIA (KM) | FACTOR |
|----------------|--------|
| 0 – 5          | 1,00   |
| 5,1 – 25       | 1,06   |
| 25,1 – 45      | 1,08   |
| 45,1 – 65      | 1,10   |
| 65,1 – 85      | 1,12   |
| 85,1 – 100     | 1,14   |
| MAS DE 100     | 1,17   |

|   |  |  |  |                 |        |        |        |        |
|---|--|--|--|-----------------|--------|--------|--------|--------|
| GUIA DE PRECIOS DE OBRA PUBLICA PARA EL DEPARTAMENTO DEL TOLIMA |  |  |  | FECHA: AÑO 2022 |        |        |        |        |
|   |  |  |  | ZONA 1          | ZONA 2 | ZONA 3 | ZONA 4 | ZONA 5 |

| ITEM  | DESCRIPCION  | UND | VR. UNIT | VR. UNIT | VR. UNIT | VR. UNIT | VR. UNIT |
|---|--|-----|----------|----------|----------|----------|----------|
| <b>B OBRAS DE URBANISMO</b>                 |  |     |          |          |          |          |          |
| <b>1 ACTIVIDADES PRELIMINARES URBANISMO</b> |  |     |          |          |          |          |          |
| 1,1   | LOCALIZACION Y REPLANTEO PARQUES, Z.VERDES Y ESCENARIOS DEPORTIVOS | M2  | 1.253    | 1.275    | 1.312    | 1.281    | 1.272    |
| 1,2   | LOCALIZACION Y REPLANTEO REDEES DE ACUEDUCTO Y ALCANTARILLADO      | ML  | 2.138    | 2.174    | 2.236    | 2.184    | 2.168    |
| 1,3   | DESCAPOTE A MAQUINA e=0,20 MAS RETIRO                              | M2  | 1.791    | 1.860    | 1.931    | 1.877    | 1.843    |
| 1,4   | CORTE ARBOL MAS RETIRO (INCL. RAICES) H>3.0                        | UND | 115.921  | 118.121  | 121.545  | 118.671  | 117.571  |
| 1,5   | CORTE Y RETIRO DE ARBUSTO  | UND | 8.546    | 8.766    | 9.051    | 8.821    | 8.711    |
| 1,6   | RETIRO DE ARBUSTO Y POSTERIOR TRANSPLANT                           | UND | 14.723   | 14.987   | 15.413   | 15.053   | 14.921   |
| 1,7   | CONFIGURACION Y NIVELACION TERRENO                                 | M2  | 860      | 886      | 919      | 892      | 880      |
| 1,8   | CONFORMACION Y COMPACTACION DE SUBRASANTE - CBR=95                 | M2  | 3.064    | 3.176    | 3.296    | 3.204    | 3.148    |
| 1,9   | EXCAVACION A MAQUINA SIN RETIRO                                    | M3  | 2.850    | 2.964    | 3.081    | 2.993    | 2.936    |
| 1,10  | EXCAVACION EN CONGLOMERADO   | M3  | 26.399   | 26.399   | 26.901   | 26.399   | 26.399   |
| 1,11  | EXCAVACION EN ROCA   | M3  | 44.584   | 46.317   | 48.101   | 46.750   | 45.883   |
| 1,12  | EXCAVACION A MAQUINA Y RETIRO <=10KM.                              | M3  | 21.800   | 22.672   | 23.570   | 22.890   | 22.454   |
| 1,13  | ACARREO MATERIALES EN OBRA HASTA 100M                              | M3  | 5.791    | 5.819    | 5.946    | 5.827    | 5.812    |
| 1,14  | RELLENO MATERIAL SITIO COMPACTADO CILINDRO                         | M3  | 14.912   | 15.456   | 16.041   | 15.591   | 15.320   |
| 1,15  | RELLENO EN RECEBO COMPACTADO CON CILINDRO                          | M3  | 57.937   | 58.538   | 60.014   | 58.039   | 58.389   |
| 1,16  | RETIRO MAT. EXCAV. A MAQUINA 10KM                                  | M3  | 5.582    | 5.792    | 6.015    | 5.844    | 5.739    |
| <b>2 ACUEDUCTO</b>                          |  |     |          |          |          |          |          |
| 2,1   | <b>TUBERIA PVC U.M.</b>  |     |          |          |          |          |          |
| 2,1,1                                       | TUB.PVC UM 2 RDE 21  | ML  | 24.364   | 25.016   | 25.841   | 25.179   | 24.853   |
| 2,1,2                                       | TUB.PVC UM 2 RDE 26  | ML  | 20.351   | 20.871   | 21.547   | 21.002   | 20.741   |
| 2,1,3                                       | TUB.PVC UM 2,1/2 RDE 21  | ML  | 35.584   | 36.684   | 37.972   | 36.960   | 36.409   |
| 2,1,4                                       | TUB.PVC UM 2,1/2 RDE 26  | ML  | 31.096   | 32.017   | 33.120   | 32.247   | 31.787   |
| 2,1,5                                       | TUB.PVC UM 3 RDE 21  | ML  | 37.427   | 38.719   | 40.148   | 39.042   | 38.396   |
| 2,1,6                                       | TUB.PVC UM 3 RDE 26  | ML  | 32.021   | 33.097   | 34.302   | 33.366   | 32.828   |
| 2,1,7                                       | TUB.PVC UM 3 RDE 32.5  | ML  | 26.819   | 27.687   | 28.678   | 27.904   | 27.470   |
| 2,1,8                                       | TUB.PVC UM 4 RDE 21  | ML  | 55.200   | 57.100   | 59.203   | 57.575   | 56.625   |
| 2,1,9                                       | TUB.PVC UM 4 RDE 26  | ML  | 47.448   | 49.038   | 50.822   | 49.435   | 48.641   |
| 2,1,10                                      | TUB.PVC UM 4 RDE 32.5  | ML  | 33.615   | 34.886   | 36.231   | 35.204   | 34.569   |
| 2,1,11                                      | TUB.PVC UM 4 RDE 41  | ML  | 33.081   | 34.140   | 35.357   | 34.405   | 33.875   |
| 2,1,12                                      | TUB.PVC UM 6 RDE 21  | ML  | 108.526  | 112.661  | 117.019  | 113.695  | 111.627  |
| 2,1,13                                      | TUB.PVC UM 6 RDE 26  | ML  | 90.609   | 94.013   | 97.624   | 94.864   | 93.162   |
| 2,1,14                                      | TUB.PVC UM 6 RDE 32.5  | ML  | 75.003   | 77.783   | 80.751   | 78.478   | 77.088   |
| 2,1,15                                      | TUB.PVC UM 6 RDE 41  | ML  | 63.373   | 65.615   | 68.063   | 66.175   | 65.054   |
| 2,1,16                                      | TUB.PVC UM 8 RDE 21  | ML  | 184.702  | 191.679  | 199.061  | 193.423  | 189.935  |
| 2,1,17                                      | TUB.PVC UM 8 RDE 26  | ML  | 151.501  | 157.268  | 163.347  | 158.709  | 155.826  |
| 2,1,18                                      | TUB.PVC UM 8 RDE 32.5  | ML  | 125.448  | 130.172  | 135.178  | 131.353  | 128.991  |
| 2,1,19                                      | TUB.PVC UM 8 RDE 41  | ML  | 99.893   | 103.683  | 107.684  | 104.630  | 102.735  |
| 2,1,20                                      | TUB.PVC UM 10 RDE 21   | ML  | 282.265  | 293.262  | 304.729  | 296.012  | 290.513  |
| 2,1,21                                      | TUB.PVC UM 10 RDE 26   | ML  | 231.630  | 240.601  | 249.982  | 242.844  | 238.359  |
| 2,1,22                                      | TUB.PVC UM 10 RDE 32.5   | ML  | 191.485  | 198.851  | 206.578  | 200.693  | 197.010  |
| 2,1,23                                      | TUB.PVC UM 10 RDE 41   | ML  | 154.110  | 159.981  | 166.168  | 161.448  | 158.513  |
| 2,1,24                                      | TUB.PVC UM 12 RDE 26   | ML  | 323.634  | 336.286  | 349.457  | 339.449  | 333.123  |
| 2,1,25                                      | TUB.PVC UM 12 RDE 32.5   | ML  | 266.310  | 276.669  | 287.479  | 279.258  | 274.079  |
| 2,1,26                                      | TUB.PVC UM 12 RDE 41   | ML  | 204.000  | 212.160  | 220.565  | 214.200  | 210.120  |
| 2,1,27                                      | TUB.PVC ALTA PRESION 3 RDE 9                                       | ML  | 77.245   | 80.041   | 83.062   | 80.741   | 79.342   |
| 2,1,28                                      | TUB.PVC ALTA PRESION 3 RDE 11                                      | ML  | 67.479   | 70.105   | 72.845   | 70.761   | 69.449   |
| 2,1,29                                      | TUB.PVC ALTA PRESION 3 RDE 13.5 UM                                 | ML  | 63.607   | 66.078   | 68.658   | 66.696   | 65.460   |
| 2,1,30                                      | TUB.PVC ALTA PRESION 4 RDE 9                                       | ML  | 107.031  | 111.092  | 115.380  | 112.107  | 110.076  |
| 2,1,31                                      | TUB.PVC ALTA PRESION 4 RDE 11                                      | ML  | 103.971  | 107.909  | 112.071  | 108.894  | 106.925  |
| 2,1,32                                      | TUB.PVC ALTA PRESION 4 RDE 13.5 UM                                 | ML  | 101.625  | 105.469  | 109.534  | 106.431  | 104.508  |
| 2,1,33                                      | TUB.PVC ALTA PRESION 6 RDE 9                                       | ML  | 227.185  | 235.979  | 245.177  | 238.178  | 233.781  |
| 2,1,34                                      | TUB.PVC ALTA PRESION 6 RDE 11 EL                                   | ML  | 222.085  | 230.675  | 239.662  | 232.823  | 228.528  |
| 2,1,35                                      | TUB.PVC ALTA PRESION 6 RDE 13.5 UM                                 | ML  | 215.047  | 223.356  | 232.053  | 225.433  | 221.278  |

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|   |  |  |  | ZONA 1          | ZONA 2 | ZONA 3 | ZONA 4 | ZONA 5 |

| ITEM   | DESCRIPCION                             | UND | VR. UNIT  | VR. UNIT  | VR. UNIT  | VR. UNIT  | VR. UNIT  |
|--------|---|-----|-----------|-----------|-----------|-----------|-----------|
| 2,1,36 | TUB.PVC ALTA PRESION 8 RDE 9            | ML  | 369.985   | 384.491   | 399.572   | 388.118   | 380.865   |
| 2,1,37 | TUB.PVC ALTA PRESION 8 RDE 11 EL        | ML  | 364.885   | 379.187   | 394.058   | 382.763   | 375.612   |
| 2,1,38 | TUB.PVC ALTA PRESION 8 RDE 13.5 UM      | ML  | 359.130   | 373.201   | 387.835   | 376.719   | 369.684   |
| 2,1,39 | TUB.PVC ALTA PRESION 10 RDE 13.5 UM     | ML  | 516.516   | 536.883   | 558.001   | 541.975   | 531.791   |
| 2,1,40 | TUB.PVC ALTA PRESION 12 RDE 13.5 UM     | ML  | 731.880   | 760.788   | 790.739   | 768.015   | 753.561   |
| 2,2    | <b>ACCESORIOS U.M.</b>                  |     |           |           |           |           |           |
| 2,2,1  | TEE PVC UM 2 x2 x2                      | UND | 68.700    | 71.294    | 74.039    | 71.942    | 70.645    |
| 2,2,2  | TEE PVC UM 2,1/2x2 x2                   | UND | 74.668    | 77.500    | 80.491    | 78.208    | 76.792    |
| 2,2,3  | TEE PVC UM 3 x2 x2                      | UND | 83.640    | 86.986    | 90.431    | 87.822    | 86.149    |
| 2,2,4  | TEE PVC UM 3 x2 x2,1/2                  | UND | 94.855    | 98.495    | 102.318   | 99.405    | 97.585    |
| 2,2,5  | TEE PVC UM 3 x2 x3                      | UND | 101.156   | 105.056   | 109.145   | 106.030   | 104.081   |
| 2,2,6  | TEE PVC UM 4 x2 x3                      | UND | 152.095   | 157.973   | 164.126   | 159.443   | 156.504   |
| 2,2,7  | TEE PVC UM 4 x2 x4                      | UND | 155.958   | 162.196   | 168.621   | 163.756   | 160.637   |
| 2,2,8  | TEE PVC UM 4 x3 x2                      | UND | 147.950   | 153.714   | 159.724   | 155.155   | 152.273   |
| 2,2,9  | TEE PVC UM 4 x3 x3                      | UND | 167.135   | 173.615   | 180.387   | 175.235   | 171.995   |
| 2,2,10 | TEE PVC UM 4 x3 x4                      | UND | 180.553   | 187.570   | 194.895   | 189.324   | 185.816   |
| 2,2,11 | TEE PVC UM 4 x4 x2                      | UND | 161.785   | 168.051   | 174.603   | 169.617   | 166.484   |
| 2,2,12 | TEE PVC UM 4 x4 x3                      | UND | 179.635   | 186.615   | 193.902   | 188.360   | 184.870   |
| 2,2,13 | TEE PVC UM 4 x4 x4                      | UND | 209.735   | 217.919   | 226.446   | 219.965   | 215.873   |
| 2,2,14 | REDUCC PVC UM 2.1/2x2                   | UND | 67.469    | 70.064    | 72.787    | 70.714    | 69.416    |
| 2,2,15 | REDUCC PVC UM 3 x2                      | UND | 69.325    | 71.994    | 74.794    | 72.662    | 71.327    |
| 2,2,16 | REDUCC PVC UM 3 x2.1/2                  | UND | 87.854    | 91.214    | 94.748    | 92.054    | 90.374    |
| 2,2,17 | REDUCC PVC UM 4 x2                      | UND | 97.008    | 100.734   | 104.645   | 101.666   | 99.803    |
| 2,2,18 | REDUCC PVC UM 4 x2.1/2                  | UND | 99.263    | 103.079   | 107.084   | 104.034   | 102.125   |
| 2,2,19 | REDUCC PVC UM 4 x3                      | UND | 99.263    | 103.079   | 107.084   | 104.034   | 102.125   |
| 2,2,20 | UNION REP PVC 2.1/2 UM                  | UND | 24.490    | 25.315    | 26.239    | 25.521    | 25.109    |
| 2,2,21 | UNION REP PVC 3 UM                      | UND | 373.837   | 388.533   | 403.794   | 392.208   | 384.860   |
| 2,2,22 | UNION REP PVC 4 RDE 13.5                | UND | 82.654    | 85.754    | 89.046    | 86.529    | 84.978    |
| 2,2,23 | UNION REP PVC 4 RDE 21                  | UND | 58.052    | 60.220    | 62.527    | 60.762    | 59.678    |
| 2,2,24 | UNION REP PVC 6 RDE 13.5                | UND | 191.100   | 198.539   | 206.298   | 200.398   | 196.679   |
| 2,2,25 | UNION REP PVC 6 RDE 21                  | UND | 108.710   | 112.853   | 117.218   | 113.889   | 111.817   |
| 2,2,26 | UNION REP PVC 8 RDE 13.5                | UND | 338.936   | 352.493   | 366.458   | 355.883   | 349.103   |
| 2,2,27 | UNION REP PVC 8 RDE 21                  | UND | 196.156   | 203.745   | 211.684   | 205.643   | 201.848   |
| 2,2,28 | ADAP UM PVC-AC 2"                       | UND | 5.607     | 5.728     | 5.902     | 5.759     | 5.698     |
| 2,2,29 | ADAP UM PVC-AC 3"                       | UND | 9.752     | 9.988     | 10.304    | 10.047    | 9.929     |
| 2,2,30 | ADAP UM PVC-AC 4"                       | UND | 12.884    | 13.245    | 13.690    | 13.335    | 13.155    |
| 2,2,31 | ADAP UM PVC-AC 6"                       | UND | 76.390    | 79.240    | 82.273    | 79.952    | 78.527    |
| 2,2,32 | ADAP UM PVC-AC 8"                       | UND | 144.547   | 150.072   | 155.884   | 151.453   | 148.691   |
| 2,2,33 | CODO PVC UM 2 x 45                      | UND | 70.535    | 73.254    | 76.103    | 73.933    | 72.574    |
| 2,2,34 | CODO PVC UM 2 x 90                      | UND | 24.646    | 25.529    | 26.488    | 25.750    | 25.308    |
| 2,2,35 | CODO PVC UM 3 x 90                      | UND | 50.494    | 52.360    | 54.354    | 52.826    | 51.893    |
| 2,2,36 | CODO PVC UM 3 x 90 RDE-13.5             | UND | 104.118   | 108.179   | 112.412   | 109.195   | 107.164   |
| 2,2,37 | CODO PVC UM 4 x 90 RDE-13.5             | UND | 139.768   | 145.204   | 150.877   | 146.563   | 143.845   |
| 2,2,38 | CODO PVC UM 6 x 90                      | UND | 266.053   | 276.489   | 287.337   | 279.098   | 273.880   |
| 2,2,39 | CODO PVC-UM 8 x 90                      | UND | 867.000   | 901.680   | 937.400   | 910.350   | 893.010   |
| 2,3    | <b>VALVULAS</b>                         |     |           |           |           |           |           |
| 2,3,1  | VALVULA CHEQUE CORTINA BRONCE D= 1,1/2" | UND | 87.418    | 89.886    | 92.919    | 90.504    | 89.269    |
| 2,3,2  | VALVULA CHEQUE CORTINA BRONCE D= 2"     | UND | 250.706   | 259.706   | 269.466   | 261.956   | 257.456   |
| 2,3,3  | VALVULA CHEQUE CORTINA BRONCE D= 3"     | UND | 111.206   | 114.626   | 118.639   | 115.481   | 113.771   |
| 2,3,4  | VALVULA CHEQUE CORTINA HIERRO D=2"      | UND | 187.178   | 193.637   | 200.779   | 195.252   | 192.022   |
| 2,3,5  | VALVULA CHEQUE CORTINA HIERRO D= 3"     | UND | 510.679   | 529.564   | 549.750   | 534.285   | 524.843   |
| 2,3,6  | VALVULA CHEQUE CORTINA HIERRO D= 4"     | UND | 781.145   | 809.820   | 840.581   | 816.989   | 802.651   |
| 2,3,7  | VALVULA CHEQUE CORTINA HIERRO D= 6"     | UND | 1.552.638 | 1.611.659 | 1.673.920 | 1.626.414 | 1.596.904 |
| 2,3,8  | VALVULA CHEQUE GLOBO BRONCE D= 1"       | UND | 77.465    | 79.741    | 82.477    | 80.310    | 79.172    |
| 2,3,9  | VALVULA CHEQUE GLOBO BRONCE D= 1,1/2"   | UND | 128.465   | 132.781   | 137.618   | 133.860   | 131.702   |
| 2,3,10 | VALVULA CHEQUE GLOBO BRONCE D= 1,1/4"   | UND | 95.606    | 98.402    | 101.772   | 99.101    | 97.703    |
| 2,3,11 | VALVULA CHEQUE GLOBO BRONCE D= 2"       | UND | 195.606   | 202.402   | 209.892   | 204.101   | 200.703   |

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|   |   |     | ZONA 1          | ZONA 2    | ZONA 3    | ZONA 4    | ZONA 5    |
| ITEM  | DESCRIPCION                                       | UND | VR. UNIT        | VR. UNIT  | VR. UNIT  | VR. UNIT  | VR. UNIT  |
| 2,3,12  | VALVULA CHEQUE GLOBO HIERRO D= 3"                 | UND | 3.324.776       | 3.456.225 | 3.592.352 | 3.489.087 | 3.423.363 |
| 2,3,13  | VALVULA CHEQUE GLOBO HIERRO D= 4"                 | UND | 432.471         | 447.713   | 464.393   | 451.524   | 443.903   |
| 2,3,14  | VALVULA CHEQUE GLOBO HIERRO D= 6"                 | UND | 1.157.958       | 1.201.192 | 1.247.198 | 1.212.000 | 1.190.383 |
| 2,3,15  | VALVULA COMP ELASTICA 2 EB PVC                    | UND | 355.912         | 368.092   | 381.617   | 371.137   | 365.047   |
| 2,3,16  | VALVULA COMP ELASTICA 3 EB PVC                    | UND | 485.438         | 501.771   | 520.063   | 505.854   | 497.688   |
| 2,3,17  | VALVULA COMP ELASTICA 4 EB PVC                    | UND | 629.651         | 649.696   | 672.792   | 654.707   | 644.685   |
| 2,3,18  | VALVULA COMP ELASTICA 6 EB                        | UND | 1.114.531       | 1.153.971 | 1.197.044 | 1.163.831 | 1.144.111 |
| 2,3,19  | VALVULA COMP ELASTICA 8 EB                        | UND | 1.619.743       | 1.677.335 | 1.740.085 | 1.691.733 | 1.662.937 |
| 2,3,20  | VALVULA FLOT HIDRO COMPLTA BOLA CU D=2"           | UND | 135.987         | 139.884   | 144.633   | 140.858   | 138.910   |
| 2,3,21  | VALVULA FLOT.HIDRO COMPLTA BOLA CU D=3"           | UND | 370.278         | 383.547   | 397.948   | 386.864   | 380.230   |
| 2,3,22  | VALVULA FLOT HIERRO HIDRO D=3"                    | UND | 897.939         | 932.314   | 968.456   | 940.908   | 923.720   |
| 2,3,23  | VALVULA FLOT HIERRO HIDRO D=4"                    | UND | 1.386.758       | 1.440.172 | 1.496.168 | 1.453.525 | 1.426.818 |
| 2,3,24  | VALVULA FLOT HIERRO HIDRO D=6"                    | UND | 3.159.703       | 3.283.521 | 3.412.277 | 3.314.475 | 3.252.566 |
| 2,3,25  | VALVULA PIE CANAST BRONCE D=3"                    | UND | 203.279         | 209.868   | 217.389   | 211.515   | 208.221   |
| 2,3,26  | VALVULA PIE CANAST BRONCE D=4"                    | UND | 405.560         | 419.726   | 435.297   | 423.267   | 416.184   |
| 2,3,27  | VALVULA PIE CANAST BRONCE D=6"                    | UND | 1.074.118       | 1.113.998 | 1.156.548 | 1.123.968 | 1.104.028 |
| 2,3,28  | VALVULA PIE TOTAL BRONCE D=2"                     | UND | 179.912         | 185.052   | 191.326   | 186.337   | 183.767   |
| 2,3,29  | VALVULA PIE HIERRO BRIDA D=3"                     | UND | 313.396         | 324.389   | 336.448   | 327.138   | 321.641   |
| 2,3,30  | VALVULA PIE HIERRO BRIDA D=6                      | UND | 553.878         | 572.948   | 594.061   | 577.716   | 568.181   |
| 2,3,31  | VALVULA PIE HIERRO-BRIDA D=8"                     | UND | 614.012         | 636.516   | 660.675   | 642.142   | 630.890   |
| 2,3,32  | VALVULA REGISTRO GLOBO BRONCE D=1"                | UND | 144.490         | 149.241   | 154.625   | 150.429   | 148.054   |
| 2,3,33  | VALVULA REGISTRO GLOBO BRONCE D=1,1/2"            | UND | 77.906          | 79.994    | 82.635    | 80.516    | 79.472    |
| 2,3,34  | VALVULA REGISTRO GLOBO BRONCE D=1,1/4"            | UND | 72.106          | 73.962    | 76.364    | 74.426    | 73.498    |
| 2,3,35  | VALVULA REGISTRO GLOBO BRONCE D=2"                | UND | 160.907         | 165.800   | 171.576   | 167.024   | 164.578   |
| 2,4   | <b>DOMICILIARIAS O CONEXIONES</b>                 |     |                 |           |           |           |           |
| 2,4,1   | COLLAR DERIV PVC 2 X1/2                           | UND | 15.581          | 16.101    | 16.687    | 16.232    | 15.971    |
| 2,4,2   | COLLAR DERIV PVC 2,1/2X1/2                        | UND | 16.357          | 16.908    | 17.525    | 17.046    | 16.771    |
| 2,4,3   | COLLAR DERIV PVC 3 X1/2                           | UND | 21.856          | 22.627    | 23.471    | 22.820    | 22.435    |
| 2,4,4   | COLLAR DERIV PVC 4 X1/2                           | UND | 25.756          | 26.632    | 27.607    | 26.851    | 26.413    |
| 2,4,5   | COLLAR DERIV PVC 6 X1/2                           | UND | 31.693          | 32.806    | 34.026    | 33.085    | 32.528    |
| 2,4,6   | ADAP MACHO PF+UAD 1/2                             | UND | 4.460           | 4.588     | 4.744     | 4.620     | 4.556     |
| 2,4,7   | ADAP HEMBRA PF+UAD 1/2                            | UND | 4.357           | 4.485     | 4.639     | 4.517     | 4.453     |
| 2,4,8   | DOMICILIARIA EN PF+UAD 2**1/2"                    | UND | 114.038         | 117.132   | 121.017   | 117.906   | 116.359   |
| 2,4,9   | DOMICILIARIA EN PF+UAD 3**1/2"                    | UND | 120.313         | 123.658   | 127.801   | 124.494   | 122.823   |
| 2,4,10  | DOMICILIARIA EN PF+UAD 3**X3/4"                   | UND | 260.590         | 269.546   | 279.468   | 271.785   | 267.307   |
| 2,4,11  | DOMICILIARIA EN PF+UAD 4**1/2"                    | UND | 148.680         | 153.160   | 158.471   | 154.280   | 152.041   |
| 2,4,12  | DOMICILIARIA EN PF+UAD 6**1/2"                    | UND | 128.865         | 132.552   | 137.047   | 133.474   | 131.631   |
| 2,4,13  | REGISTRO DE CORTE BRONCE 1/2                      | UND | 17.488          | 18.085    | 18.748    | 18.234    | 17.936    |
| 2,4,14  | REGISTRO DE INCORPORACION BRONCE 1/2              | UND | 15.429          | 15.943    | 16.522    | 16.072    | 15.815    |
| <b>3</b>  | <b>ALCANTARILLADO</b>                             |     |                 |           |           |           |           |
| 3,1   | <b>TUBERIAS EN CONCRETO NTC 1022 UNION CAUCHO</b> |     |                 |           |           |           |           |
| 3,1,1   | TUB CONCRETO REFORZADO D=33"UNION CAUCHO          | ML  | 490.846         | 508.686   | 528.231   | 512.996   | 504.076   |
| 3,1,2   | TUB CONCRETO REFORZADO D=36"UNION CAUCHO          | ML  | 601.886         | 623.887   | 648.062   | 629.138   | 618.137   |
| 3,1,3   | TUB CONCRETO SIMPLE D= 6"UNION CAUCHO             | ML  | 31.002          | 31.941    | 33.051    | 32.203    | 31.706    |
| 3,1,4   | TUB CONCRETO SIMPLE D= 8"UNION CAUCHO             | ML  | 42.511          | 43.694    | 45.270    | 43.937    | 43.346    |
| 3,1,5   | TUB CONCRETO SIMPLE D=10"UNION CAUCHO             | ML  | 50.348          | 51.776    | 53.636    | 52.080    | 51.366    |
| 3,1,6   | TUB CONCRETO SIMPLE D=12"UNION CAUCHO             | ML  | 86.423          | 89.156    | 92.426    | 89.787    | 88.420    |
| 3,1,7   | TUB CONCRETO SIMPLE D=15"UNION CAUCHO             | ML  | 121.782         | 125.793   | 130.444   | 126.743   | 124.738   |
| 3,1,8   | TUB CONCRETO SIMPLE D=18"UNION CAUCHO             | ML  | 135.508         | 139.705   | 144.788   | 140.670   | 138.572   |
| 3,1,9   | TUB CONCRETO SIMPLE D=21"UNION CAUCHO             | ML  | 194.639         | 200.626   | 207.822   | 202.040   | 199.046   |
| 3,1,10  | TUB CONCRETO SIMPLE D=24"UNION CAUCHO             | ML  | 234.299         | 241.683   | 250.550   | 243.379   | 239.687   |
| 3,1,11  | TUB CONCRETO SIMPLE D=27"UNION CAUCHO             | ML  | 404.187         | 418.366   | 434.233   | 421.761   | 414.671   |
| 3,1,12  | TUB CONCRETO SIMPLE D=30"UNION CAUCHO             | ML  | 416.427         | 430.895   | 447.155   | 434.362   | 427.128   |
| 3,2   | <b>TUBERIA PVC</b>                                |     |                 |           |           |           |           |
| 3,2,1   | TUB PVC NOVAFORT 4"                               | ML  | 28.418          | 29.283    | 30.304    | 29.499    | 29.067    |
| 3,2,2   | TUB PVC NOVAFORT 6"                               | ML  | 61.804          | 63.707    | 65.938    | 64.182    | 63.231    |

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|   |   |     |          | ZONA 1          | ZONA 2   | ZONA 3   | ZONA 4   | ZONA 5 |
| ITEM  | DESCRIPCION                             | UND | VR. UNIT | VR. UNIT        | VR. UNIT | VR. UNIT | VR. UNIT |        |
| 3,2,3   | TUB PVC NOVAFORT 8"                     | ML  | 74.398   | 76.727          | 79.434   | 77.310   | 76.145   |        |
| 3,2,4   | TUB PVC NOVAFORT 10"                    | ML  | 101.353  | 104.834         | 108.693  | 105.704  | 103.964  |        |
| 3,2,5   | TUB PVC NOVAFORT 12"                    | ML  | 147.019  | 152.262         | 157.965  | 153.572  | 150.951  |        |
| 3,2,6   | TUB PVC NOVAFORT 16"                    | ML  | 255.841  | 265.317         | 275.439  | 267.687  | 262.948  |        |
| 3,2,7   | TUB PVC NOVAFORT 18"                    | ML  | 328.349  | 340.726         | 353.835  | 343.820  | 337.631  |        |
| 3,2,8   | TUB PVC NOVAFORT 20"                    | ML  | 350.564  | 363.830         | 377.853  | 367.146  | 360.514  |        |
| 3,2,9   | TUB PVC ALIGERADA RIB LOC 6"            | ML  | 58.965   | 60.754          | 62.869   | 61.202   | 60.307   |        |
| 3,2,10  | TUB PVC ALIGERADA RIB LOC 8"            | ML  | 74.421   | 76.824          | 79.573   | 77.426   | 76.224   |        |
| 3,2,11  | TUB PVC ALIGERADA RIB LOC 10"           | ML  | 99.494   | 102.839         | 106.586  | 103.675  | 102.002  |        |
| 3,2,12  | TUB PVC ALIGERADA RIB LOC 12"           | ML  | 140.401  | 145.352         | 150.769  | 146.590  | 144.114  |        |
| 3,2,13  | TUB PVC ALIGERADA RIB LOC 14"           | ML  | 162.142  | 167.989         | 174.315  | 169.450  | 166.527  |        |
| 3,2,14  | TUB PVC NOVALOC ASTM 24" SANIT"         | ML  | 434.025  | 450.526         | 467.932  | 454.803  | 446.401  |        |
| 3,2,15  | TUB PVC NOVALOC ASTM 27" PVC"           | ML  | 507.566  | 526.917         | 547.300  | 531.925  | 522.078  |        |
| 3,2,16  | TUB PVC NOVALOC ASTM 30" SANIT"         | ML  | 629.071  | 653.190         | 678.529  | 659.404  | 647.160  |        |
| 3,2,17  | TUB PVC NOVALOC SAN ASTM 33"            | ML  | 710.890  | 738.189         | 766.849  | 745.208  | 731.364  |        |
| 3,3   | <b>ACCESORIOS PVC</b>                   |     |          |                 |          |          |          |        |
| 3,3,1   | ADAPTADOR 4"-110 MM NOVAFORT"           | UND | 16.400   | 17.056          | 17.732   | 17.220   | 16.892   |        |
| 3,3,2   | ADAPTADOR 6"-160 MM NOVAFORT"           | UND | 43.200   | 44.928          | 46.708   | 45.360   | 44.496   |        |
| 3,3,3   | ADAPTADOR 8"-200 MM NOVAFORT"           | UND | 206.000  | 214.240         | 222.727  | 216.300  | 212.180  |        |
| 3,3,4   | CODO 45x110MM NOVAFORT                  | UND | 25.900   | 26.936          | 28.003   | 27.195   | 26.677   |        |
| 3,3,5   | CODO 45x160MM NOVAFORT                  | UND | 62.300   | 64.792          | 67.359   | 65.415   | 64.169   |        |
| 3,3,6   | CODO 90X110MM NOVAFORT                  | UND | 52.000   | 54.080          | 56.222   | 54.600   | 53.560   |        |
| 3,3,7   | CODO 90X160MM NOVAFORT                  | UND | 120.900  | 125.736         | 130.717  | 126.945  | 124.527  |        |
| 3,3,8   | HIDROSELLO NOVAFORT 110 MM              | UND | 2.240    | 2.330           | 2.421    | 2.352    | 2.307    |        |
| 3,3,9   | HIDROSELLO NOVAFORT 160 MM              | UND | 4.797    | 4.989           | 5.187    | 5.037    | 4.941    |        |
| 3,3,10  | HIDROSELLO NOVAFORT 200 MM              | UND | 8.630    | 8.975           | 9.331    | 9.062    | 8.889    |        |
| 3,3,11  | HIDROSELLO NOVAFORT 250 MM              | UND | 15.305   | 15.917          | 16.547   | 16.070   | 15.764   |        |
| 3,3,12  | HIDROSELLO NOVAFORT 315 MM              | UND | 31.766   | 33.037          | 34.345   | 33.354   | 32.719   |        |
| 3,3,13  | HIDROSELLO NOVAFORT 400 MM              | UND | 64.690   | 67.278          | 69.942   | 67.925   | 66.631   |        |
| 3,3,14  | HIDROSELLO NOVAFORT 450 MM              | UND | 93.510   | 97.250          | 101.103  | 98.186   | 96.315   |        |
| 3,3,15  | HIDROSELLO NOVAFORT 500 MM              | UND | 105.000  | 109.200         | 113.526  | 110.250  | 108.150  |        |
| 3,3,16  | SILLA TEE NOVAF 250X160MM (KIT)         | UND | 166.069  | 172.222         | 178.805  | 173.760  | 170.683  |        |
| 3,3,17  | SILLA TEE NOVAF 400X110MM               | UND | 152.404  | 158.011         | 164.031  | 159.413  | 156.610  |        |
| 3,3,18  | SILLA TEE NOVAF 400X160MM               | UND | 158.107  | 163.942         | 170.197  | 165.401  | 162.483  |        |
| 3,3,19  | SILLA TEE NOVAF 450X160MM               | UND | 181.258  | 188.019         | 195.228  | 189.709  | 186.328  |        |
| 3,3,20  | SILLA TEE NOVAF 500X160MM               | UND | 282.247  | 293.048         | 304.418  | 295.748  | 290.348  |        |
| 3,3,21  | SILLA TEE NOVAF 6"X8"                   | UND | 94.017   | 97.288          | 100.903  | 98.106   | 96.470   |        |
| 3,3,22  | SILLA TEE NOVAF 6"X12"                  | UND | 245.817  | 255.161         | 265.029  | 257.496  | 252.825  |        |
| 3,3,23  | SILLA YEE NOVAF 400X110MM               | UND | 214.376  | 222.364         | 230.885  | 224.361  | 220.367  |        |
| 3,3,24  | SILLA YEE NOVAF 400X160MM               | UND | 218.735  | 226.897         | 235.598  | 228.937  | 224.856  |        |
| 3,3,25  | SILLA YEE NOVAF 450X160MM               | UND | 230.106  | 238.723         | 247.893  | 240.877  | 236.568  |        |
| 3,3,26  | SILLA YEE NOVAF 500X160MM               | UND | 334.946  | 347.757         | 361.245  | 350.959  | 344.553  |        |
| 3,3,27  | SILLA YEE NOVAFORT DIAMETRO DE 6" A 8"  | UND | 61.618   | 63.593          | 65.873   | 64.087   | 63.099   |        |
| 3,3,28  | SILLA YEE NOVAFORT DIAMETRO DE 6" A 10" | UND | 74.775   | 77.278          | 80.099   | 77.902   | 76.652   |        |
| 3,3,29  | SILLA YEE NOVAFORT DIAMETRO DE 6" A 12" | UND | 140.396  | 145.522         | 151.048  | 146.804  | 144.241  |        |
| 3,3,30  | SILLA YEE RIB LOC 6" X 4"               | UND | 31.550   | 32.420          | 33.512   | 32.638   | 32.203   |        |
| 3,3,31  | SILLA YEE RIB LOC 6" X 6"               | UND | 33.030   | 33.960          | 35.114   | 34.192   | 33.727   |        |
| 3,3,32  | SILLA YEE RIB LOC 8" X 6"               | UND | 53.191   | 54.926          | 56.911   | 55.361   | 54.493   |        |
| 3,3,33  | SILLA YEE RIB LOC 10" X 6"              | UND | 57.460   | 59.367          | 61.528   | 59.843   | 58.890   |        |
| 3,3,34  | SILLA YEE RIB LOC 12" X 6"              | UND | 73.787   | 76.346          | 79.179   | 76.987   | 75.707   |        |
| 3,3,35  | SILLA YEE RIB LOC 14" X 6"              | UND | 94.628   | 97.923          | 101.563  | 98.748   | 97.100   |        |
| 3,3,36  | UNION NOVAFORT 110 MM                   | UND | 9.860    | 10.254          | 10.661   | 10.353   | 10.156   |        |
| 3,3,37  | UNION NOVAFORT 160 MM                   | UND | 23.900   | 24.856          | 25.841   | 25.095   | 24.617   |        |
| 3,3,38  | UNION NOVAFORT 200 MM                   | UND | 32.248   | 33.538          | 34.867   | 33.860   | 33.215   |        |
| 3,3,39  | UNION NOVAFORT 250 MM                   | UND | 88.299   | 91.831          | 95.469   | 92.714   | 90.948   |        |
| 3,3,40  | UNION NOVAFORT 315 MM                   | UND | 143.235  | 148.964         | 154.866  | 150.397  | 147.532  |        |
| 3,3,41  | UNION NOVAFORT 400 MM                   | UND | 263.760  | 274.310         | 285.178  | 276.948  | 271.673  |        |
| 3,3,42  | UNION NOVAFORT 450 MM                   | UND | 292.228  | 303.917         | 315.957  | 306.839  | 300.995  |        |

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|   |   |     | ZONA 1          | ZONA 2     | ZONA 3     | ZONA 4     | ZONA 5     |
| ITEM  | DESCRIPCION   | UND | VR. UNIT        | VR. UNIT   | VR. UNIT   | VR. UNIT   | VR. UNIT   |
| 3,3,43  | UNION NOVAFORT 500 MM   | UND | 319.994         | 332.500    | 345.527    | 335.626    | 329.373    |
| 3,3,44  | YEE 160X160MM NOVAFORT  | UND | 58.568          | 60.911     | 63.324     | 61.496     | 60.325     |
| 3,3,45  | YEE 200X160MM NOVAFORT  | UND | 112.049         | 116.531    | 121.147    | 117.651    | 115.410    |
| 3,4   | <b>SUMIDEROS Y POZOS</b>  |     |                 |            |            |            |            |
| 3,4,1   | SUMIDERO EN CONCRETO SL-100   | UND | 574.675         | 574.283    | 593.437    | 576.468    | 577.428    |
| 3,4,2   | SUMIDERO EN CONCRETO SL-150   | UND | 574.675         | 574.283    | 593.437    | 576.468    | 577.428    |
| 3,4,3   | SUMIDERO EN CONCRETO SL-200   | UND | 638.043         | 637.028    | 651.984    | 640.058    | 633.807    |
| 3,4,4   | SUMIDERO EN CONCRETO SL-250   | UND | 780.727         | 781.084    | 810.445    | 784.114    | 788.153    |
| 3,4,5   | SUMIDERO PREFABRICADO SL-100  | UND | 1.557.270       | 1.613.343  | 1.674.199  | 1.627.499  | 1.599.166  |
| 3,4,6   | SUMIDERO PREFABRICADO SL-150  | UND | 2.254.001       | 2.337.565  | 2.426.964  | 2.358.639  | 2.316.462  |
| 3,4,7   | SUMIDERO PREFABRICADO SL-200  | UND | 2.540.731       | 2.635.386  | 2.736.436  | 2.659.279  | 2.611.458  |
| 3,4,8   | SUMIDERO PREFABRICADO SL-250  | UND | 3.297.462       | 3.422.008  | 3.554.072  | 3.453.419  | 3.390.554  |
| 3,4,9   | PLACA BASE Y CAÑUELA D=1.70, E=0.30 PARA POZO DE 1.20                     | UND | 696.516         | 691.509    | 731.340    | 693.126    | 713.333    |
| 3,4,10  | CONO D=1.20 POZO EN LADRILLO  | UND | 337.171         | 336.581    | 343.412    | 334.311    | 335.470    |
| 3,4,11  | CILINDRO D=1.20 POZO EN LADRILLO (ML)                                     | ML  | 453.018         | 452.838    | 462.568    | 448.250    | 450.814    |
| 3,4,12  | PLACA BASE Y CAÑUELA D=2,00, E=0.30 PARA POZO DE 1.50                     | UND | 836.395         | 830.603    | 877.811    | 832.525    | 856.223    |
| 3,4,13  | CONO D=1.50 POZO EN LADRILLO  | UND | 405.444         | 405.191    | 413.530    | 402.464    | 403.956    |
| 3,4,14  | CILINDRO D=1.50 POZO EN LADRILLO (ML)                                     | ML  | 551.390         | 552.224    | 564.449    | 546.265    | 549.828    |
| 3,4,15  | PLACA BASE Y CAÑUELA D=2,20, E=0.30 PARA POZO DE 1.70                     | UND | 1.014.558       | 1.007.541  | 1.064.801  | 1.009.873  | 1.038.610  |
| 3,4,16  | CONO D=1.70 POZO EN LADRILLO  | UND | 481.608         | 481.341    | 491.272    | 478.032    | 479.851    |
| 3,4,17  | CILINDRO D=1.70 POZO EN LADRILLO (ML)                                     | ML  | 613.889         | 615.339    | 629.138    | 608.525    | 612.708    |
| 3,4,18  | AROTAPA VIBROCOMPACTADA 60CM PARA POZO INCLUYE ANILLO EN CONCRETO R=0.65  | UND | 809.388         | 830.243    | 862.741    | 836.040    | 828.834    |
| 3,4,19  | AROTAPA DE PLASTICO RECICLADO PARA POZO INCLUYE ANILLO EN CONCRETO R=0.65 | UND | 973.388         | 1.000.803  | 1.040.058  | 1.008.240  | 997.754    |
| 3,5   | <b>VALVULAS</b>   |     |                 |            |            |            |            |
| 3,5,1   | VALVULA CHAPAETA Q=4.10L/SEG S=1.5M 6"                                    | UND | 485.950         | 504.511    | 524.069    | 509.152    | 499.871    |
| 3,5,2   | VALVULA CHAPAETA Q=4.10L/SEG S=1.5M 8"                                    | UND | 836.670         | 869.241    | 903.237    | 877.383    | 861.098    |
| 3,5,3   | VALVULA CHAPAETA Q=4.10L/SEG S=1.5M 10"                                   | UND | 2.240.320       | 2.329.037  | 2.420.863  | 2.351.216  | 2.306.858  |
| 3,5,4   | VALVULA CHAPAETA Q=4.10L/SEG S=1.5M 12"                                   | UND | 2.213.463       | 2.301.002  | 2.391.667  | 2.322.887  | 2.279.118  |
| 4   | <b>EQUIPOS DE PRESION</b>   |     |                 |            |            |            |            |
| 4,1   | MOTOR ELEC 5HP 3600 RPM BOMBA   | UND | 4.002.824       | 4.158.824  | 4.321.464  | 4.197.824  | 4.119.824  |
| 4,2   | MOTOR ELEC 15HP 3600 RPM BOMBA  | UND | 7.102.824       | 7.382.824  | 7.673.184  | 7.452.824  | 7.312.824  |
| 4,3   | MOTOR ELEC 20HP 3600 RPM BOMBA  | UND | 8.502.824       | 8.838.824  | 9.186.864  | 8.922.824  | 8.754.824  |
| 4,4   | MOTOR ELEC 25HP 3600 RPM BOMBA  | UND | 8.802.824       | 9.150.824  | 9.511.224  | 9.237.824  | 9.063.824  |
| 4,5   | MOTOR ELEC 30HP 3600 RPM BOMBA  | UND | 10.102.824      | 10.502.824 | 10.916.784 | 10.602.824 | 10.402.824 |
| 4,6   | MOTOR ELEC 35HP 3600 RPM BOMBA  | UND | 14.102.824      | 14.662.824 | 15.241.584 | 14.802.824 | 14.522.824 |
| 4,7   | MOTOR ELEC 50HP 3600 RPM BOMBA  | UND | 23.115.677      | 24.035.677 | 24.985.482 | 24.265.677 | 23.805.677 |
| 4,8   | MOTOR ELEC 60HP 3600 RPM BOMBA  | UND | 25.128.531      | 26.128.531 | 27.160.981 | 26.378.531 | 25.878.531 |
| 4,9   | MOTOR ELEC 100HP 3600 RPM BOMBA   | UND | 47.141.384      | 49.021.384 | 50.960.479 | 49.491.384 | 48.551.384 |
| 4,10  | MOTOR ELEC 150HP 3600 RPM BOMBA   | UND | 17.438.434      | 18.130.316 | 18.845.649 | 18.303.287 | 17.957.346 |
| 4,11  | BOMBA SUMERG 1.0 HP LAPICERO 4" BRONCE                                    | UND | 2.561.790       | 2.657.790  | 2.759.753  | 2.681.790  | 2.633.790  |
| 4,12  | BOMBA SUMERG 3.0 HP LAPICERO 4" A.INOX                                    | UND | 4.175.281       | 4.338.881  | 4.509.014  | 4.379.781  | 4.297.981  |
| 4,13  | BOMBA SUMERG 15 HP LAPICERO 6" A.INOX                                     | UND | 14.494.290      | 15.067.590 | 15.661.172 | 15.210.915 | 14.924.265 |
| 4,14  | BOMBA SUMERG 20 HP LAPICERO 6" A.INOX                                     | UND | 16.488.512      | 17.139.712 | 17.814.421 | 17.302.512 | 16.976.912 |
| 4,15  | BOMBA SUMERG 25 HP LAPICERO 6" A.INOX                                     | UND | 17.874.571      | 18.579.671 | 19.310.632 | 18.755.946 | 18.403.396 |
| 4,16  | BOMBA SUMERG 30 HP LAPICERO 6" A.INOX                                     | UND | 18.352.637      | 19.077.537 | 19.828.569 | 19.258.762 | 18.896.312 |
| 4,17  | BOMBA SUMERG 40 HP LAPICERO 6" A.INOX                                     | UND | 23.269.571      | 24.190.471 | 25.143.706 | 24.420.696 | 23.960.246 |
| 4,18  | BOMBA SUMERG 50 HP LAPICERO 6" A.INOX                                     | UND | 30.795.256      | 32.016.506 | 33.279.424 | 32.321.819 | 31.711.194 |
| 4,19  | BOMBA SUMERG 60 HP LAPICERO 6" A.INOX                                     | UND | 38.306.256      | 39.827.946 | 41.400.317 | 40.208.369 | 39.447.524 |
| 4,20  | ARRANCADOR VOL-C10 230 40-50AMP   | UND | 1.104.434       | 1.147.934  | 1.193.062  | 1.158.809  | 1.137.059  |
| 4,21  | MONITOR DE VOLTAJE  | UND | 391.934         | 406.934    | 422.707    | 410.684    | 403.184    |
| 4,22  | CONTACTOR ABIERTO 60 AMP AC3 220 VOL                                      | UND | 931.134         | 967.702    | 1.005.690  | 976.844    | 958.560    |

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|   |  |     | ZONA 1          | ZONA 2     | ZONA 3     | ZONA 4     | ZONA 5     |
| ITEM  | DESCRIPCION                              | UND | VR. UNIT        | VR. UNIT   | VR. UNIT   | VR. UNIT   | VR. UNIT   |
| <b>5</b>  | <b>RED ELECTRICA</b>                     |     |                 |            |            |            |            |
| 5,1   | <b>SUBESTACIONES</b>                     |     |                 |            |            |            |            |
| 5,1,1   | BAJANTE MONOFASICO EN 1/0                | JGO | 361.759         | 375.841    | 390.531    | 379.360    | 372.319    |
| 5,1,2   | BAJANTE MONOFASICO EN 2/0                | JGO | 454.435         | 472.237    | 490.755    | 476.686    | 467.785    |
| 5,1,3   | BAJANTE TRIFASICO EN 1/0                 | JGO | 494.103         | 513.479    | 533.622    | 518.321    | 508.633    |
| 5,1,4   | BAJANTE TRIFASICO EN 2/0                 | JGO | 611.103         | 635.159    | 660.126    | 641.171    | 629.143    |
| 5,1,5   | FB-21 CORTACIRCUITOS SISTEMA MONOFASICO  | JGO | 503.665         | 520.307    | 539.128    | 524.473    | 516.149    |
| 5,1,6   | FB-31 CORTACIRCUITOS SISTEMA TRIFASICO   | JGO | 733.340         | 758.303    | 786.114    | 764.552    | 752.066    |
| 5,1,7   | PB-21 PARARRAYOS SISTEMA MONOFASICO      | JGO | 900.447         | 932.957    | 968.130    | 941.097    | 924.834    |
| 5,1,8   | PB-31 PARARRAYOS SISTEMA TRIFASICO       | JGO | 1.090.734       | 1.129.947  | 1.172.460  | 1.139.764  | 1.120.149  |
| 5,1,9   | TB-21 CONJUNTO PARA TRAF0 MONOFASICO     | JGO | 1.613.892       | 1.669.641  | 1.731.276  | 1.683.590  | 1.655.707  |
| 5,1,10  | TB-31 CONJUNTO PARA TRAF0 TRIFASICO      | JGO | 2.030.192       | 2.102.359  | 2.181.021  | 2.120.414  | 2.084.321  |
| 5,1,11  | TRANSFORMADOR MONOFASICO 5 KVA 13200     | UND | 2.604.153       | 2.703.996  | 2.808.893  | 2.728.957  | 2.679.035  |
| 5,1,12  | TRANSFORMADOR MONOFASICO 10 KVA 13200    | UND | 3.273.438       | 3.399.188  | 3.531.180  | 3.430.625  | 3.367.750  |
| 5,1,13  | TRANSFORMADOR MONOFASICO 15 KVA 13200    | UND | 3.818.445       | 3.965.995  | 4.120.441  | 4.002.882  | 3.929.107  |
| 5,1,14  | TRANSFORMADOR MONOFASICO 25 KVA 13200    | UND | 4.866.767       | 5.056.250  | 5.253.887  | 5.103.621  | 5.008.879  |
| 5,1,15  | TRANSFORMADOR MONOFASICO 37.5 KVA 13200  | UND | 5.526.860       | 5.742.777  | 5.967.627  | 5.796.756  | 5.688.798  |
| 5,1,16  | TRANSFORMADOR MONOFASICO 50 KVA 13200    | UND | 7.133.638       | 7.413.826  | 7.704.876  | 7.483.873  | 7.343.779  |
| 5,1,17  | TRANSFORMADOR MONOFASICO 75 KVA 13200    | UND | 9.564.255       | 9.940.193  | 10.330.569 | 10.034.178 | 9.846.209  |
| 5,1,18  | TRANSFORMADOR TRIFASICO 15 KVA 13200 V.  | UND | 6.183.421       | 6.425.600  | 6.677.501  | 6.486.145  | 6.365.055  |
| 5,1,19  | TRANSFORMADOR TRIFASICO 30 KVA 13200 V.  | UND | 8.559.104       | 8.896.311  | 9.246.090  | 8.980.612  | 8.812.009  |
| 5,1,20  | TRANSFORMADOR TRIFASICO 45 KVA 13200 V.  | UND | 10.169.288      | 10.570.902 | 10.987.020 | 10.671.305 | 10.470.498 |
| 5,1,21  | TRANSFORMADOR TRIFASICO 75 KVA 13200 V.  | UND | 12.883.009      | 13.391.698 | 13.918.806 | 13.518.870 | 13.264.525 |
| 5,1,22  | TRANSFORMADOR TRIFASICO 112 KVA 13200 V. | UND | 15.956.208      | 16.587.842 | 17.241.575 | 16.745.750 | 16.429.933 |
| 5,1,23  | TRANSFORMADOR TRIFASICO 225 KVA 13200 V. | UND | 23.249.924      | 24.155.159 | 25.099.341 | 24.381.467 | 23.928.850 |
| 5,2   | <b>POSTES</b>                            |     |                 |            |            |            |            |
| 5,2,1   | POSTE CONCRETO 8 X 510 KG                | UND | 632.898         | 650.829    | 673.366    | 655.608    | 645.888    |
| 5,2,2   | POSTE CONCRETO 8 X 750 KG                | UND | 632.898         | 650.829    | 673.366    | 655.608    | 645.888    |
| 5,2,3   | POSTE CONCRETO 8 X 1050 KG               | UND | 874.479         | 901.908    | 934.312    | 909.062    | 894.593    |
| 5,2,4   | POSTE CONCRETO 10 X 510KG                | UND | 964.186         | 994.402    | 1.030.151  | 1.002.311  | 986.298    |
| 5,2,5   | POSTE CONCRETO 10 X 750KG                | UND | 964.186         | 994.402    | 1.030.151  | 1.002.311  | 986.298    |
| 5,2,6   | POSTE CONCRETO 10 X 1050KG               | UND | 1.184.186       | 1.223.202  | 1.268.015  | 1.233.311  | 1.212.898  |
| 5,2,7   | POSTE CONCRETO 10 X 1350KG               | UND | 1.344.186       | 1.389.602  | 1.441.007  | 1.401.311  | 1.377.698  |
| 5,2,8   | POSTE CONCRETO 12 X 510 KG               | UND | 1.155.207       | 1.193.023  | 1.236.620  | 1.202.832  | 1.183.019  |
| 5,2,9   | POSTE CONCRETO 12 X 750 KG               | UND | 1.155.207       | 1.193.023  | 1.236.620  | 1.202.832  | 1.183.019  |
| 5,2,10  | POSTE CONCRETO 12 X 1050 KG              | UND | 1.706.427       | 1.766.291  | 1.832.599  | 1.781.613  | 1.750.776  |
| 5,2,11  | POSTE CONCRETO 12 X 1350KG               | UND | 1.766.427       | 1.828.691  | 1.897.471  | 1.844.613  | 1.812.576  |
| 5,2,12  | POSTE CONCRETO 14 X 750KG                | UND | 1.880.550       | 1.946.671  | 2.019.890  | 1.963.645  | 1.929.454  |
| 5,2,13  | POSTE CONCRETO 14 X 1050KG               | UND | 1.960.550       | 2.029.871  | 2.106.386  | 2.047.645  | 2.011.854  |
| 5,2,14  | POSTE CONCRETO 14 X 1350KG               | UND | 2.280.550       | 2.362.671  | 2.452.370  | 2.383.645  | 2.341.454  |
| 5,2,15  | POSTE LAMINA 1/8" X 9 MTS NORMA CELSIA   | UND | 1.568.817       | 1.619.161  | 1.677.597  | 1.632.044  | 1.606.117  |
| 5,2,16  | POSTE LAMINA 1/8" X 11 MTS NORMA CELSIA  | UND | 1.854.988       | 1.915.319  | 1.984.845  | 1.930.757  | 1.899.686  |
| 5,2,17  | POSTE LAMINA 1/8" X 12 MTS NORMA CELSIA  | UND | 2.296.082       | 2.374.529  | 2.462.404  | 2.394.437  | 2.354.459  |
| 5,2,18  | POSTE LAMINA 3/16" X 9 MTS NORMA CELSIA  | UND | 1.561.910       | 1.614.037  | 1.673.279  | 1.627.365  | 1.600.547  |
| 5,2,19  | POSTE LAMINA 3/16" X 11 MTS NORMA CELSIA | UND | 1.996.398       | 2.063.456  | 2.139.376  | 2.080.576  | 2.046.143  |
| 5,2,20  | POSTE LAMINA 3/16" X 12 MTS NORMA CELSIA | UND | 2.291.328       | 2.369.112  | 2.456.616  | 2.388.914  | 2.349.117  |
| 5,2,21  | POSTE METALICO 8 MT X 4"                 | UND | 657.431         | 674.368    | 696.869    | 678.897    | 669.675    |
| 5,2,22  | POSTE METALICO 9 MT X 4"                 | UND | 710.591         | 729.653    | 754.345    | 734.715    | 724.431    |
| 5,2,23  | POSTE METALICO 10 MT X 4"                | UND | 763.726         | 784.914    | 811.794    | 790.506    | 779.159    |
| 5,2,24  | POSTE METALICO 11 MT X 4"                | UND | 851.535         | 875.434    | 905.581    | 881.764    | 868.909    |
| 5,2,25  | POSTE METALICO 12 MT X 4"                | UND | 904.667         | 930.690    | 963.029    | 937.553    | 923.635    |
| 5,2,26  | POSTE METALICO 14 MT X 4"                | UND | 1.012.733       | 1.042.277  | 1.078.717  | 1.050.078  | 1.034.250  |
| 5,2,27  | POSTE EN FIBRA DE VIDRIO 9 X 510 KGF     | UND | 1.466.159       | 1.520.138  | 1.578.446  | 1.533.929  | 1.506.185  |
| 5,2,28  | POSTE EN FIBRA DE VIDRIO 11 X 510 KGF    | UND | 1.915.235       | 1.986.930  | 2.063.608  | 2.005.150  | 1.968.548  |
| 5,2,29  | POSTE EN FIBRA DE VIDRIO 12 X 510 KGF    | UND | 2.266.468       | 2.352.171  | 2.443.299  | 2.373.893  | 2.330.287  |
| 5,2,30  | POSTE EN FIBRA DE VIDRIO 12 X 750 KGF    | UND | 2.280.888       | 2.367.168  | 2.458.889  | 2.389.034  | 2.345.140  |
| 5,2,31  | MASTIL DE ACERO DE 16 MTS CON CANASTILLA | UND | 11.839.669      | 12.250.344 | 12.831.036 | 12.349.013 | 12.271.675 |
| 5,2,32  | MASTIL DE ACERO DE 18 MTS CON CANASTILLA | UND | 13.068.119      | 13.522.244 | 14.164.735 | 13.631.325 | 13.546.663 |



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| ITEM   | DESCRIPCION                              | UND | VR. UNIT   | VR. UNIT   | VR. UNIT   | VR. UNIT   | VR. UNIT   |
|--------|--|-----|------------|------------|------------|------------|------------|
| 5,2,33 | MASTIL DE ACERO DE 20 MTS CON CANASTILLA | UND | 13.886.249 | 14.373.099 | 15.049.298 | 14.490.362 | 14.389.337 |
| 5,2,34 | MASTIL DE ACERO DE 22 MTS CON CANASTILLA | UND | 19.836.249 | 20.561.099 | 21.482.438 | 20.737.862 | 20.517.837 |
| 5,2,35 | MASTIL DE ACERO DE 24 MTS CON CANASTILLA | UND | 21.323.749 | 22.108.099 | 23.090.723 | 22.299.737 | 22.049.962 |
| 5,2,36 | MASTIL DE ACERO DE 30 MTS CON CANASTILLA | UND | 27.201.421 | 28.209.809 | 29.446.083 | 28.456.905 | 28.112.712 |
| 5,2,37 | MASTIL DE ACERO DE 40 MTS CON CANASTILLA | UND | 37.300.328 | 38.700.032 | 40.377.243 | 39.043.958 | 38.536.106 |
| 5,3    | <b>CONJUNTOS MEDIA TENSION</b>           |     |            |            |            |            |            |
| 5,3,1  | B 1A CORRIDO MONOFASICO ANG 0-3          | UND | 428.018    | 441.897    | 457.732    | 445.367    | 438.430    |
| 5,3,2  | B51A CORRIDO TRIFASICO ANG 0-3           | UND | 488.274    | 503.052    | 520.529    | 506.743    | 499.358    |
| 5,3,3  | B52A CORRIDO TRIFASICO ANG 3-30          | UND | 866.932    | 896.422    | 929.258    | 903.793    | 889.055    |
| 5,3,4  | B56A TERMINAL SENCILLO TRIFASICO         | UND | 887.546    | 917.424    | 950.880    | 924.898    | 909.958    |
| 5,3,5  | B57A CORRIDO TRIFASICO ANG 30-60         | UND | 1.219.031  | 1.261.733  | 1.308.611  | 1.272.417  | 1.251.062  |
| 5,3,6  | B58A CORRIDO ANG 60-90                   | UND | 1.736.525  | 1.799.927  | 1.868.123  | 1.815.785  | 1.784.082  |
| 5,3,7  | B61A CORRIDO BANDERA TRIFASICO ANG 0-3   | UND | 479.619    | 493.619    | 510.497    | 497.116    | 490.120    |
| 5,3,8  | B62A CORRIDO BANDERA TRIFASICO ANG 3-30  | UND | 924.832    | 956.638    | 991.860    | 964.588    | 948.692    |
| 5,3,9  | B66A TERMINAL BANDERA SENCILLO TRIFASICO | UND | 955.661    | 987.399    | 1.023.184  | 995.338    | 979.468    |
| 5,3,10 | B 6A TERMINAL MONOFASICO                 | UND | 758.844    | 784.872    | 813.743    | 791.382    | 778.368    |
| 5,3,11 | B 7A CORRIDO MONOFASICO ANG 30-60        | UND | 977.416    | 1.011.320  | 1.048.720  | 1.019.802  | 1.002.848  |
| 5,3,12 | B 8A CORRIDO MONOFASICO ANG 60-90        | UND | 1.551.778  | 1.608.656  | 1.669.718  | 1.622.882  | 1.594.442  |
| 5,3,13 | B26A TERMINAL BANDERA MONOFASICO BANDAS  | UND | 818.264    | 845.588    | 876.309    | 852.422    | 838.760    |
| 5,3,14 | B21A CORRIDO MONOFASICO BANDERA BANDAS   | UND | 443.248    | 456.657    | 472.519    | 460.007    | 453.306    |
| 5,3,15 | B67A CORRIDO BANDERA TRIFASICO ANG 3-60  | UND | 1.310.189  | 1.355.673  | 1.405.828  | 1.367.052  | 1.344.306  |
| 5,3,16 | B27A CORRIDO BANDERA MONOFASICO ANG 3-60 | UND | 1.049.071  | 1.085.193  | 1.125.186  | 1.094.229  | 1.076.166  |
| 5,3,17 | V02 RETENIDA A TIERRA                    | UND | 246.272    | 279.066    | 288.523    | 255.562    | 251.965    |
| 5,3,18 | V22 RETENIDA CENTRADA A POSTE AUXILIAR   | UND | 332.243    | 367.565    | 379.986    | 344.660    | 339.817    |
| 5,3,19 | V42 RETENIDA PARA BANDERA A POSTE AUX    | UND | 303.506    | 337.635    | 348.848    | 314.432    | 310.185    |
| 5,3,20 | VP2 RETENIDA A POSTE PIE DE AMIGO        | UND | 1.161.428  | 1.201.483  | 1.246.209  | 1.211.792  | 1.191.012  |
| 5,3,21 | VR2 RETENIDA A RIEL CONCRETADO           | UND | 368.177    | 376.461    | 388.473    | 378.820    | 373.929    |
| 5,4    | <b>CONJUNTOS BAJA TENSION</b>            |     |            |            |            |            |            |
| 5,4,1  | BS 51 CORRIDO SENCILLO ANG (0-3)         | UND | 482.942    | 497.072    | 514.094    | 500.604    | 493.540    |
| 5,4,2  | BS 52 CORRIDO ANG (3-30)                 | UND | 866.780    | 896.910    | 930.105    | 904.442    | 889.381    |
| 5,4,3  | BS 56 TERMINAL                           | UND | 798.457    | 826.070    | 856.675    | 832.975    | 819.169    |
| 5,4,4  | BS 57 CORRIDO ANG (30-60)                | UND | 1.049.410  | 1.086.268  | 1.126.796  | 1.095.487  | 1.077.056  |
| 5,4,5  | BS 58 CORRIDO ANG (60-90)                | UND | 1.612.989  | 1.670.505  | 1.733.250  | 1.684.887  | 1.656.130  |
| 5,4,6  | B5H 11 CORRIDO EN H (0-3)                | UND | 692.886    | 717.307    | 744.109    | 723.412    | 711.205    |
| 5,4,7  | B5H 17 DOBLE TERMINAL EN H               | UND | 1.557.412  | 1.609.322  | 1.667.740  | 1.622.302  | 1.596.345  |
| 5,4,8  | B5H 26 TERMINAL EN H                     | UND | 1.226.737  | 1.269.378  | 1.316.516  | 1.280.040  | 1.258.719  |
| 5,4,9  | B5HH17 DOBLE TERMINAL EN DOBLE H         | UND | 1.912.016  | 1.979.417  | 2.053.167  | 1.996.271  | 1.962.569  |
| 5,4,10 | B5HH26 TERMINAL EN DOBLE H               | UND | 1.685.463  | 1.745.881  | 1.811.614  | 1.760.988  | 1.730.779  |
| 5,4,11 | CONECTOR TIPO CUNA                       | UND | 23.044     | 23.763     | 24.600     | 23.942     | 23.583     |
| 5,4,12 | SAX2 CONJUNTO VANO FLOJO                 | UND | 112.488    | 115.692    | 119.611    | 116.490    | 114.888    |
| 5,4,13 | CAJA DERIVACION 10 USUARIOS RED CHILENA  | UND | 587.409    | 608.743    | 631.745    | 614.075    | 603.408    |
| 5,4,14 | CAJA DERIVACION P/ACOMETIDA 4 USUARIOS   | UND | 401.260    | 415.148    | 430.481    | 418.619    | 411.675    |
| 5,4,15 | CAJA DERIVACION P/ACOMETIDA AMP 9 USUARI | UND | 542.329    | 561.860    | 583.005    | 566.741    | 556.976    |
| 5,4,16 | CONECTOR TIPO CUNA                       | UND | 23.044     | 23.763     | 24.600     | 23.942     | 23.583     |
| 5,4,17 | S11 CORRIDO 1 PUESTO ANG 0-3 (SEC)       | UND | 64.055     | 65.481     | 67.487     | 65.838     | 65.126     |
| 5,4,18 | S12 CORRIDO 2 PUESTOS ANG 0-3 (SEC)      | UND | 110.348    | 113.034    | 116.619    | 113.706    | 112.364    |
| 5,4,19 | S13 CORRIDO 3 PUESTOS ANG 0-3 (SEC)      | UND | 142.737    | 146.719    | 151.637    | 147.716    | 145.726    |
| 5,4,20 | S14 CORRIDO 4 PUESTOS ANG 0-3 (SEC)      | UND | 175.483    | 180.776    | 187.041    | 182.099    | 179.455    |
| 5,4,21 | S21 CORRIDO 1 PUESTO ANG 3-60 (SEC)      | UND | 64.055     | 65.481     | 67.487     | 65.838     | 65.126     |
| 5,4,22 | S22 CORRIDO 2 PUESTOS ANG 3-60 (SEC)     | UND | 95.541     | 98.227     | 101.530    | 98.899     | 97.557     |
| 5,4,23 | S23 CORRIDO 3 PUESTOS ANG 3-60 (SEC)     | UND | 142.737    | 146.719    | 151.637    | 147.716    | 145.726    |
| 5,4,24 | S24 CORRIDO 4 PUESTOS ANG 3-60 (SEC)     | UND | 170.429    | 175.736    | 181.913    | 177.063    | 174.412    |
| 5,4,25 | S31 TERMINAL SENCILLO 1 PUESTO (SEC)     | UND | 64.055     | 65.481     | 67.487     | 65.838     | 65.126     |
| 5,4,26 | S32 TERMINAL SENCILLO 2 PUESTOS (SEC)    | UND | 95.541     | 98.227     | 101.530    | 98.899     | 97.557     |
| 5,4,27 | S33 TERMINAL SENCILLO 3 PUESTOS (SEC)    | UND | 142.737    | 146.719    | 151.637    | 147.716    | 145.726    |
| 5,4,28 | S34 TERMINAL SENCILLO 4 PUESTOS (SEC)    | UND | 175.483    | 180.776    | 187.041    | 182.099    | 179.455    |
| 5,4,29 | S41 TERMINAL DOBLE 1 PUESTO (SEC)        | UND | 88.393     | 90.794     | 93.795     | 91.396     | 90.200     |

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|   |   |     | ZONA 1          | ZONA 2    | ZONA 3    | ZONA 4    | ZONA 5    |
| ITEM  | DESCRIPCION                               | UND | VR. UNIT        | VR. UNIT  | VR. UNIT  | VR. UNIT  | VR. UNIT  |
| 5,4,30  | S42 TERMINAL DOBLE 2 PUESTOS (SEC)        | UND | 119.521         | 123.167   | 127.456   | 124.079   | 122.257   |
| 5,4,31  | S43 TERMINAL DOBLE 3 PUESTOS (SEC)        | UND | 177.538         | 182.913   | 189.262   | 184.259   | 181.572   |
| 5,4,32  | S44 TERMINAL DOBLE 4 PUESTOS (SEC)        | UND | 221.812         | 228.960   | 237.129   | 230.746   | 227.175   |
| 5,4,33  | SAR31A TERMINAL CON GRAPA DE RETENCION    | UND | 96.595          | 99.322    | 102.672   | 100.004   | 98.641    |
| 5,4,34  | SAR41A DOBLE TERMINAL GRAPA DE RETENC     | UND | 192.838         | 199.256   | 206.484   | 200.859   | 197.652   |
| 5,4,35  | T1 CON D.I. TIERRA CON DUCTO INTERNO      | UND | 493.184         | 510.314   | 529.204   | 514.604   | 506.034   |
| 5,4,36  | T1 SIN D.I. TIERRA SIN DUCTO INTERNO      | UND | 538.111         | 557.038   | 577.780   | 561.776   | 552.307   |
| 5,4,37  | V01 RETENIDA A TIERRA - SECUNDARIO        | UND | 159.597         | 161.330   | 165.953   | 162.198   | 160.206   |
| 5,4,38  | V11 RETENIDA A POSTE AUX - SECUNDARIO     | UND | 250.475         | 254.984   | 262.855   | 256.528   | 253.161   |
| 5,4,39  | VP1 RETENIDA A POSTE PIE DE AMIGO         | UND | 706.751         | 728.359   | 754.292   | 734.115   | 722.408   |
| 5,4,40  | VR1 RETENIDA A RIEL CONCRETADO            | UND | 389.355         | 396.710   | 409.033   | 399.131   | 393.952   |
| 5,5   | <b>CAMARAS DE INSPECCION</b>              |     |                 |           |           |           |           |
| 5,5,1   | CAJA INSPECCION MAMPOSTERIA AP274         | UND | 486.830         | 486.257   | 500.871   | 488.077   | 486.416   |
| 5,5,2   | CAJA INSPECCION MAMPOSTERIA CS274         | UND | 675.070         | 673.458   | 692.442   | 675.964   | 672.954   |
| 5,5,3   | CAJA INSPECCION MAMPOSTERIA CS275         | UND | 1.094.009       | 1.091.218 | 1.122.824 | 1.095.258 | 1.091.450 |
| 5,5,4   | CAJA INSPECCION MAMPOSTERIA CS276         | UND | 1.509.967       | 1.507.572 | 1.552.147 | 1.513.363 | 1.508.142 |
| 5,5,5   | CAJA INSPECCION MAMPOSTERIA CS277         | UND | 2.553.106       | 2.546.040 | 2.615.341 | 2.555.709 | 2.542.888 |
| 5,5,6   | CAJA INSPECCION MAMPOSTERIA CS280         | UND | 2.300.006       | 2.292.766 | 2.354.068 | 2.301.267 | 2.289.372 |
| 5,5,7   | CAJA INSPECCION MAMPOSTERIA CS290         | UND | 4.239.468       | 4.282.259 | 4.420.287 | 4.305.137 | 4.272.645 |
| 5,5,8   | CAJA ELECTRICA 0,3 X 0,3 X 0,5 MT         | UND | 162.965         | 163.946   | 168.358   | 164.606   | 163.458   |
| 5,5,9   | CAJA ELECTRICA 0,8 X 0,8 X 1 MT           | UND | 416.038         | 414.083   | 424.709   | 415.670   | 413.766   |
| 5,5,10  | CAJA ELECTRICA NORMA CELSIA 0.5X0.5X0.8MT | UND | 289.705         | 289.276   | 296.379   | 290.486   | 288.195   |
| 5,5,11  | CAJA ELECTRICA NORMA CELSIA 1.0X1.0X1.0MT | UND | 742.175         | 741.805   | 762.547   | 745.352   | 740.569   |
| 5,5,12  | FOSO PARA TRANSFORMADOR 1.50X1.90 MT      | UND | 1.504.774       | 1.498.811 | 1.539.637 | 1.502.301 | 1.503.962 |
| 5,6   | <b>CONDUCTORES</b>                        |     |                 |           |           |           |           |
| 5,6,1   | CABLE ACSR NUMERO 2                       | ML  | 5.131           | 5.271     | 5.447     | 5.307     | 5.236     |
| 5,6,2   | CABLE ACSR NUMERO 4                       | ML  | 3.955           | 4.048     | 4.175     | 4.072     | 4.025     |
| 5,6,3   | CABLE ACSR NUMERO 1/0                     | ML  | 7.045           | 7.262     | 7.516     | 7.316     | 7.208     |
| 5,6,4   | CABLE ACSR NUMERO 2/0                     | ML  | 8.418           | 8.690     | 9.001     | 8.758     | 8.622     |
| 5,6,5   | CABLE ACSR NUMERO 4/0                     | ML  | 12.564          | 13.002    | 13.484    | 13.111    | 12.892    |
| 5,6,6   | CABLE AISLADO ALUMINIO NUMERO 2           | ML  | 7.496           | 7.731     | 8.005     | 7.790     | 7.672     |
| 5,6,7   | CABLE AISLADO ALUMINIO NUMERO 1/0         | ML  | 11.316          | 11.704    | 12.135    | 11.801    | 11.607    |
| 5,6,8   | CABLE AISLADO ALUMINIO NUMERO 2/0         | ML  | 14.254          | 14.759    | 15.311    | 14.886    | 14.633    |
| 5,6,9   | CABLE AISLADO ALUMINIO NUMERO 4/0         | ML  | 14.991          | 15.526    | 16.107    | 15.660    | 15.392    |
| 5,6,10  | CABLE CUADRUPLIX AWG NUMERO 1/0           | ML  | 43.220          | 44.819    | 46.529    | 45.219    | 44.419    |
| 5,6,11  | CABLE CUADRUPLIX AWG NUMERO 2/0           | ML  | 54.179          | 56.216    | 58.377    | 56.726    | 55.707    |
| 5,6,12  | CABLE TRIPLEX AWG NUMERO 2                | ML  | 21.325          | 22.074    | 22.895    | 22.262    | 21.887    |
| 5,6,13  | CABLE TRIPLEX AWG NUMERO 1/0              | ML  | 31.570          | 32.729    | 33.972    | 33.019    | 32.439    |
| 5,6,14  | CABLE TRIPLEX AWG NUMERO 2/0              | ML  | 35.569          | 36.888    | 38.296    | 37.218    | 36.558    |
| 5,6,15  | ALAMBRE ALUMINIO CONCENTRICO 2X8 RED CHI  | ML  | 5.534           | 5.712     | 5.915     | 5.757     | 5.668     |
| 5,6,16  | CABLE ACERO DE 3/ 8" RED CHILENA          | ML  | 4.424           | 4.566     | 4.729     | 4.602     | 4.531     |
| 5,6,17  | CABLE TRIPLEX AWG NUMERO 4/0              | ML  | 44.144          | 45.802    | 47.561    | 46.216    | 45.387    |
| 5,7   | <b>MEDICION</b>                           |     |                 |           |           |           |           |
| 5,7,1   | CAJA CONTADOR 1F POLICARB PORTA BREAKER   | UND | 99.575          | 100.848   | 103.450   | 101.167   | 100.530   |
| 5,7,2   | CAJA CONTADOR 3F POLICARB C/PORTABREAKER  | UND | 136.546         | 139.298   | 143.423   | 139.986   | 138.610   |
| 5,7,3   | CAJA TRANSFORMADORES DE CORRIENTE         | UND | 215.262         | 221.163   | 228.531   | 222.638   | 219.688   |
| 5,7,4   | CONTADOR 1F-BIFILAR 120V M.DIRECTA        | UND | 263.838         | 270.582   | 279.342   | 272.268   | 268.896   |
| 5,7,5   | CONTADOR 2F-TRIFILAR 120/240V M.DIRECTA   | UND | 465.880         | 479.753   | 496.311   | 483.222   | 476.285   |
| 5,7,6   | CONTADOR 3F-TRIFASICO 120/208V M.DIRECTA  | UND | 575.213         | 592.507   | 613.041   | 596.831   | 588.184   |
| 5,7,7   | CONTADOR ELECTRONICO M.INDIRECTA          | UND | 3.968.927       | 4.118.160 | 4.276.406 | 4.155.468 | 4.080.852 |
| 5,7,8   | MURETE PARA CONTADOR Y CAJA CON REJA      | UND | 535.387         | 532.150   | 549.735   | 534.095   | 533.178   |
| 5,7,9   | TABLERO MEDICION DIGITAL PTO COMUNICACIO  | UND | 573.891         | 594.941   | 617.531   | 600.205   | 589.679   |
| 5,8   | <b>RETIROS</b>                            |     |                 |           |           |           |           |
| 5,8,1   | DESCONEXION DE ATERRIZAJES SECUNDARIOS    | UND | 22.697          | 22.697    | 23.129    | 22.697    | 22.697    |
| 5,8,2   | DESCONEXION DE SUBESTACION                | UND | 312.542         | 316.809   | 325.322   | 317.875   | 315.742   |

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| ITEM  | DESCRIPCION  | UND | VR. UNIT        | VR. UNIT  | VR. UNIT  | VR. UNIT  | VR. UNIT  |
| 5,8,3   | DESCONEXION RED PRIMARIA MONOFASICA  | ML  | 1.621           | 1.621     | 1.652     | 1.621     | 1.621     |
| 5,8,4   | DESCONEXION RED PRIMARIA TRIFASICA   | ML  | 2.162           | 2.162     | 2.203     | 2.162     | 2.162     |
| 5,8,5   | DESCONEXION RED SECUNDARIA 1 O 2 HILOS   | ML  | 1.297           | 1.297     | 1.322     | 1.297     | 1.297     |
| 5,8,6   | DESCONEXION RED SECUNDARIA 3 O MAS HILOS   | ML  | 2.162           | 2.162     | 2.203     | 2.162     | 2.162     |
| 5,8,7   | DESMONTE CONJUNTO PRIMARIO EN H  | UND | 80.664          | 81.667    | 83.812    | 81.918    | 81.416    |
| 5,8,8   | DESMONTE CONJUNTO PRIMARIO SENCILLO  | UND | 59.952          | 60.621    | 62.174    | 60.788    | 60.453    |
| 5,8,9   | DESMONTE CONJUNTO SECUNDARIO 1 O 2 PERCH   | UND | 40.385          | 41.054    | 42.216    | 41.221    | 40.886    |
| 5,8,10  | DESMONTE CONJUNTO SECUNDARIO 3 O + PERCH   | UND | 49.649          | 50.317    | 51.665    | 50.485    | 50.150    |
| 5,8,11  | DESMONTE DE LUMINARIAS   | UND | 22.697          | 22.697    | 23.129    | 22.697    | 22.697    |
| 5,8,12  | DESMONTE POSTE CONCRETO  | UND | 108.027         | 109.635   | 112.648   | 110.037   | 109.233   |
| 5,8,13  | DESMONTE POSTE METALICO  | UND | 90.053          | 91.391    | 93.901    | 91.725    | 91.056    |
| 5,8,14  | DESMONTE RETENIDA  | UND | 61.876          | 62.210    | 63.624    | 62.293    | 62.126    |
| 5,8,15  | RETIRO TRANSFORMADOR 10 A 75 KVA   | UND | 78.616          | 80.896    | 83.656    | 81.466    | 80.326    |
| 5,8,16  | DESCONEXION DE CONTADOR DE ENERGIA   | UND | 10.808          | 10.808    | 11.014    | 10.808    | 10.808    |
| 5,8,17  | DESCONEXION CORTACIRCUITOS O PARARRAYOS  | UND | 54.040          | 54.040    | 55.069    | 54.040    | 54.040    |
| 5,8,18  | DESCONEXION DE CAJA PARA ACOMETIDA   | UND | 21.616          | 21.616    | 22.028    | 21.616    | 21.616    |
| 5,9   | <b>ILUMINACION</b>   |     |                 |           |           |           |           |
| 5,9,1   | LUMINARIA LED 20W COMPLETA ALUMBRADO PUBLICO IP65 - 66 > 1500LM - HOMOLOGADA NORMA RETILAP   | UND | 505.724         | 523.793   | 543.433   | 528.309   | 519.275   |
| 5,9,2   | LUMINARIA LED 40W COMPLETA ALUMBRADO PUBLICO IP65 - 66 > 3500LM - HOMOLOGADA NORMA RETILAP   | UND | 535.724         | 554.993   | 575.869   | 559.809   | 550.175   |
| 5,9,3   | LUMINARIA LED 50W COMPLETA ALUMBRADO PUBLICO IP65 - 66 > 5000LM - HOMOLOGADA NORMA RETILAP   | UND | 570.724         | 591.393   | 613.711   | 596.559   | 586.225   |
| 5,9,4   | LUMINARIA LED 80W COMPLETA ALUMBRADO PUBLICO IP65 - 66 > 10000LM - HOMOLOGADA NORMA RETILAP  | UND | 885.724         | 918.993   | 954.289   | 927.309   | 910.675   |
| 5,9,5   | LUMINARIA LED 100W COMPLETA ALUMBRADO PUBLICO IP65 - 66 > 12000LM - HOMOLOGADA NORMA RETILAP | UND | 935.724         | 970.993   | 1.008.349 | 979.809   | 962.175   |
| 5,9,6   | LUMINARIA LED 150W COMPLETA ALUMBRADO PUBLICO IP65 - 66 > 20000LM - HOMOLOGADA NORMA RETILAP | UND | 1.295.724       | 1.345.393 | 1.397.581 | 1.357.809 | 1.332.975 |
| 5,9,7   | REFLECTOR LED ALTA POTENCIA IP66 120W / 12000-15000LM  | UND | 1.036.895       | 1.076.642 | 1.118.408 | 1.086.578 | 1.066.705 |
| 5,9,8   | REFLECTOR LED ALTA POTENCIA IP66 150W / 15000-20000LM  | UND | 1.186.895       | 1.232.642 | 1.280.588 | 1.244.078 | 1.221.205 |
| 5,9,9   | REFLECTOR LED ALTA POTENCIA IP66 200W / 25000-30000LM  | UND | 1.436.895       | 1.492.642 | 1.550.888 | 1.506.578 | 1.478.705 |
| 5,9,10  | REFLECTOR LED ALTA POTENCIA IP66 300W / 30000-40000LM  | UND | 2.186.895       | 2.272.642 | 2.361.788 | 2.294.078 | 2.251.205 |
| 5,9,11  | REFLECTOR LED ALTA POTENCIA IP66 400W / 40000-60000LM  | UND | 3.486.895       | 3.624.642 | 3.767.348 | 3.659.078 | 3.590.205 |
| 5,9,12  | REFLECTOR LED ALTA POTENCIA IP66 800W / 80000-100000LM                                       | UND | 8.086.895       | 8.408.642 | 8.740.868 | 8.489.078 | 8.328.205 |
| 5,9,13  | REFLECTOR LED IP65-66 - 20W / 1000-2000LM  | UND | 221.895         | 229.042   | 237.230   | 230.828   | 227.255   |
| 5,9,14  | REFLECTOR LED IP65-66 - 30W / 2000-3000LM  | UND | 231.895         | 239.442   | 248.042   | 241.328   | 237.555   |
| 5,9,15  | REFLECTOR LED IP65-66 - 50W / 3000-5000LM  | UND | 241.895         | 249.842   | 258.854   | 251.828   | 247.855   |
| 5,9,16  | REFLECTOR LED IP65-66 - 70W / 5000-7000LM  | UND | 296.895         | 307.042   | 318.320   | 309.578   | 304.505   |
| 5,9,17  | REFLECTOR LED IP65-66 - 100W / 8000-9000LM   | UND | 331.895         | 343.442   | 356.162   | 346.328   | 340.555   |
| 5,9,18  | REFLECTOR LED IP65-66 - 150W / 12000-13000LM   | UND | 396.895         | 411.042   | 426.440   | 414.578   | 407.505   |
| 5,9,19  | REFLECTOR LED IP65-66 - 200W / 16000-17000LM   | UND | 486.895         | 504.642   | 523.748   | 509.078   | 500.205   |
| <b>6</b>  | <b>SARDINELES, ANDENES Y ZONAS DURAS</b>   |     |                 |           |           |           |           |
| 6,1   | SARDINEL PREFABRICADO A10 (50X20)  | ML  | 68.099          | 69.580    | 71.731    | 70.016    | 69.140    |
| 6,2   | SARDINEL PREFABRICADO A15 (45X15)  | ML  | 60.694          | 61.949    | 63.826    | 62.312    | 61.583    |
| 6,3   | SARDINEL FUNDIDO 40X20 - CONCRETO 3000PSI  | ML  | 55.507          | 54.902    | 55.993    | 55.047    | 54.672    |
| 6,4   | SARDINEL FUNDIDO TRAPEZOIDAL B(15-20) H=26-35CM  | ML  | 50.772          | 50.367    | 51.395    | 50.495    | 50.173    |
| 6,5   | SARDINEL FUNDIDO TRAPEZOIDAL B(15-20) H=36-45CM  | ML  | 55.977          | 55.412    | 56.531    | 55.563    | 55.177    |

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|   |  |     | ZONA 1          | ZONA 2   | ZONA 3   | ZONA 4   | ZONA 5   |
| ITEM  | DESCRIPCION  | UND | VR. UNIT        | VR. UNIT | VR. UNIT | VR. UNIT | VR. UNIT |
| 6,6   | BORDILLO PREFABRICADO A80 (35X20)  | ML  | 59.568          | 60.707   | 62.507   | 61.058   | 60.353   |
| 6,7   | BORDILLO PREFABRICADO A81 (35X15)  | ML  | 53.476          | 54.442   | 56.022   | 54.732   | 54.148   |
| 6,8   | BORDILLO PREFABRICADO B30 (30X10)  | ML  | 39.333          | 40.078   | 41.257   | 40.297   | 39.857   |
| 6,9   | BORDILLO PREFABRICADO B20 (20X10)  | ML  | 56.417          | 57.709   | 59.516   | 58.065   | 57.351   |
| 6,10  | BORDILLO FUNDIDO 35X20 - CONCRETO 3000PSI  | ML  | 48.751          | 48.229   | 49.191   | 48.358   | 48.026   |
| 6,11  | BORDILLO FUNDIDO 35X15 - CONCRETO 3000PSI  | ML  | 43.287          | 42.913   | 43.775   | 43.016   | 42.754   |
| 6,12  | BORDILLO FUNDIDO 20X10 - CONCRETO 3000PSI  | ML  | 25.523          | 25.476   | 26.299   | 25.562   | 25.614   |
| 6,13  | CANAL PREFABRICADA A120 (30X22.5)  | ML  | 76.653          | 78.060   | 80.352   | 78.511   | 77.604   |
| 6,14  | CANAL - CUNETAS CONC.3000PSI A=40CM E=5CM  | ML  | 52.353          | 52.648   | 54.834   | 52.880   | 53.245   |
| 6,15  | CANAL CONCRETO PISO 25x30x08 CM  | ML  | 72.065          | 71.776   | 73.421   | 72.127   | 71.423   |
| 6,16  | ANDEN CONCRETO DE 2500PSI E=10CM   | M2  | 50.984          | 50.393   | 51.463   | 50.545   | 50.094   |
| 6,17  | ANDEN CONCRETO DE 3000PSI E=10CM   | M2  | 55.618          | 54.753   | 55.808   | 54.999   | 54.452   |
| 6,18  | ADOQUIN ARCILLA PEATONAL E=6CM   | M2  | 68.203          | 69.627   | 71.720   | 69.873   | 69.029   |
| 6,19  | ADOQUIN ARCILLA CORBATIN/I PEATONAL E=6CM  | M2  | 70.753          | 72.279   | 74.477   | 72.551   | 71.655   |
| 6,20  | ADOQUIN CONCRETO PEATONAL E=6CM  | M2  | 72.712          | 74.336   | 76.601   | 74.634   | 73.692   |
| 6,21  | ADOQUIN CONCRETO PEATONAL COLOR E=6CM  | M2  | 78.832          | 80.700   | 83.218   | 81.060   | 79.996   |
| 6,22  | ADOQUIN ARCILLA E=8CM  | M2  | 80.953          | 82.887   | 85.498   | 83.286   | 82.187   |
| 6,23  | ADOQUIN ARCILLA CORBATIN/I E=8CM   | M2  | 82.993          | 85.009   | 87.711   | 85.403   | 84.263   |
| 6,24  | ADOQUIN ARCILLA ECOLOGICO E=6CM  | M2  | 77.716          | 79.719   | 82.325   | 80.187   | 79.139   |
| 6,25  | ADOQUIN ARCILLA ECOLOGICO E=8CM  | M2  | 87.916          | 90.327   | 93.353   | 90.897   | 89.645   |
| 6,26  | BALDOSA DE ARENA-CEMENTO 40X40X6 (LISA, CUADRATICA, GUIA O TOPEROL)  | M2  | 79.392          | 81.454   | 84.085   | 81.899   | 80.763   |
| 6,27  | BALDOSA PREPULIDA DE GRANO ANTIDESLIZANTE DE 30X30 (DISEÑOS DE TEXTURA VARIADOS)   | M2  | 126.052         | 128.769  | 133.567  | 129.917  | 127.168  |
| 6,28  | PISO EN CONCRETO SUPERFICIE (CANCHA MULTIPLE Y/O PLAZA Y/O ZONA DURA) E=10CM 3000PSI   | M2  | 58.058          | 57.147   | 58.219   | 57.378   | 56.846   |
| 6,29  | PISO EN CONCRETO SUPERFICIE (CANCHA MULTIPLE Y/O PLAZA Y/O ZONA DURA) E=12CM 3000PSI   | M2  | 64.650          | 63.521   | 64.691   | 63.789   | 63.169   |
| 6,30  | GRAMA SINTETICA FIBRILADA (HILADO THOLON) DE 1000 DTEX DE 60 MM DE ALTURA, INCLUYE ARENA DE SILICE Y CAUCHO MOLIDO CON GRANULOMETRIA FINA (0.07 MM - 2 MM) | M2  | 139.857         | 145.248  | 150.889  | 146.596  | 143.900  |
| <b>7 MOBILIARIO URBANO</b>                                      |  |     |                 |          |          |          |          |
| 7,1   | BANCA M30 - CONCRETO PREF. DE 180X60 CON ESPALDAR  | UND | 615.614         | 638.614  | 663.076  | 644.364  | 632.864  |
| 7,2   | BANCA M31 - CONCRETO PREF. DE 180X60 SIN ESPALDAR  | UND | 302.414         | 312.886  | 324.444  | 315.504  | 310.268  |
| 7,3   | BANCA M40 - MODULAR EN CONCRETO PREF. 55X52  | UND | 155.614         | 160.214  | 165.724  | 161.364  | 159.064  |
| 7,4   | BANCA M41 - MODULAR Y BOLARDO CONCRETO PREF. 40X43   | UND | 170.614         | 175.814  | 181.942  | 177.114  | 174.514  |
| 7,5   | BANCA M50 - MADERA 145X50 CON ESPALDAR   | UND | 520.614         | 539.814  | 560.362  | 544.614  | 535.014  |
| 7,6   | CANECA M121 - EN ACERO INOX. R=20/22 H=70 INCL. DADOS EN CONCRETO DE 15X15X26  | UND | 629.646         | 652.715  | 677.539  | 658.537  | 646.884  |
| 7,7   | BOLARDO ESFERICO EN CONCRETO D=45 CON HIDROFUGADO Y ANCLAJE  | UND | 279.346         | 287.160  | 297.146  | 289.444  | 284.826  |
| 7,8   | BOLARDO M60 - CONCRETO PREF. D=24 H=50   | UND | 136.346         | 138.440  | 142.534  | 139.294  | 137.536  |
| 7,9   | BOLARDO M61 - CONCRETO PREF. D=24 H=35   | UND | 132.546         | 134.488  | 138.426  | 135.304  | 133.622  |
| 7,10  | BOLARDO M62 - HIERRO FUNDIDO D=24 H=30   | UND | 176.547         | 181.551  | 187.768  | 182.884  | 180.205  |
| 7,11  | BOLARDO M63 - HIERRO MODULAR D=14 H=70   | UND | 157.206         | 161.388  | 166.791  | 162.525  | 160.237  |
| 7,12  | BORDE CONTENEDOR DE RAICES A70 (1070X120X135MM)  | UND | 32.184          | 32.984   | 34.040   | 33.184   | 32.784   |
| 7,13  | PROTECTOR DE ARBOL M91 - TUBO A=80 H=81  | UND | 253.428         | 257.883  | 265.928  | 259.730  | 255.923  |
| 7,14  | CICLOPARQUEO TIPO M-100 (212X55CM) EN TUBO CURVO DE 2" DE AGUAS NEGRAS ENBEBIDO EN BASES DE CONCRETO (20X20X66)  | UND | 463.973         | 478.973  | 496.374  | 482.975  | 474.932  |
| 7,15  | CICLOPARQUEO TIPO M-101 (212X42CM) EN TUBO METÁLICO AGUA NEGRA TIPO PESADO DE 1 1/2" Y TUBO DE 2" ENBEBIDO EN BASE DE CONCRETO (55X15X26)                  | UND | 630.325         | 652.099  | 676.398  | 657.772  | 646.391  |
| <b>8 DOTACION DEPORTIVOS - JUEGOS INFANTILES</b>                |  |     |                 |          |          |          |          |

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| 8,1  | PORTERIA FIJA FUTBOL 11 PROFESIONAL DE 7,32M DE BASE Y 2,44M DE ALTURA CON POSTES DE SECCION CIRCULAR DE 5" DE DIAMETRO CAL 3, EN ACERO Y ACABADO CON BARNIZA DE POLIURTANO COLOR BLANCO, RED EN NYLON CON CUERDAS DE 3MM CON SOPORTES DE POLIAMIDA PARA SUJECION DE LA RED, FIJADA A UNA BASE DE CONCRETO DE F'C=210 KG/CM² (21 MPA) | JGO | 9.378.992 | 9.732.665 | 10.109.902 | 9.823.743 | 9.641.181 |
| 8,2  | PORTERIA FIJA FUTBOL 11 ESTANDAR DE 7,32M DE BASE Y 2,44M DE ALTURA CON POSTES DE SECCION CIRCULAR DE 4" DE DIAMETRO CAL 3, EN ACERO Y ACABADO CON BARNIZ COLOR BLANCO, RED EN NYLON CON CUERDAS DE 3MM CON SOPORTES PARA SUJECION DE LA RED, FIJADA A UNA BASE DE CONCRETO DE F'C=210 KG/CM² (21 MPA)                                | JGO | 5.878.992 | 6.092.665 | 6.325.702  | 6.148.743 | 6.036.181 |
| 8,3  | PORTERIA FIJA FUTBOL 7 ESTANDAR DE 6M DE BASE Y 2M DE ALTURA CON POSTES DE SECCION CIRCULAR DE 4" DE DIAMETRO CAL 3, EN ACERO Y ACABADO CON BARNIZ COLOR BLANCO, RED EN NYLON CON CUERDAS DE 3MM CON SOPORTES PARA SUJECION DE LA RED, FIJADA A UNA BASE DE CONCRETO DE F'C=210 KG/CM² (21 MPA)                                       | JGO | 4.020.799 | 4.169.636 | 4.330.010  | 4.208.174 | 4.130.894 |
| 8,4  | PORTERIA FIJA FUTBOL 5 ESTANDAR DE 5M DE BASE Y 1.8M DE ALTURA CON POSTES DE SECCION CIRCULAR DE 4" DE DIAMETRO CAL 2.5, EN ACERO Y ACABADO CON BARNIZ COLOR BLANCO, RED EN NYLON CON CUERDAS DE 3MM CON SOPORTES PARA SUJECION DE LA RED, FIJADA A UNA BASE DE CONCRETO DE F'C=210 KG/CM² (21 MPA)                                   | JGO | 1.909.831 | 1.977.650 | 2.052.523  | 1.995.521 | 1.959.638 |
| 8,5  | PORTERIA MICROFUTBOL DE 208X318 EN TUBERIA DE 3" CAL 2.5MM BASE EN DADOS DE CONCRETO DE 40X40X60CM Y RED DE NYLON NO 3 DE 50X50   | JGO | 2.085.041 | 2.160.860 | 2.243.572  | 2.180.731 | 2.140.848 |
| 8,6  | CANCHA DE BALONCESTO FIJA ESTR. EN TUBO CUADRADO DE 155X155MM CAL 3MM, ACLADO EN DADO EN CONCR. DE 90X90X140CM Y TABLERO METALICO ANTIVANDALICO EN LAMNA DE ACERO   | JGO | 4.241.178 | 4.379.194 | 4.541.918  | 4.418.971 | 4.338.612 |
| 8,7  | PORTERIA MULT.FIJA MICROF. BALONC. FIJA EN DADOS DE CONCRETO DE 40X40X60, EN TUBERIA DE 3" CAL 2.5MM Y TABLERO ACRILICO   | JGO | 4.723.687 | 4.904.706 | 5.095.945  | 4.950.877 | 4.858.394 |
| 8,8  | PORTERIA MULT.FIJA MICROF. BALONC. FIJA EN DADOS DE CONCRETO DE 40X40X60, EN TUBERIA DE 3" CAL 2.5MM Y TABLERO ANTIBANDALICO  | JGO | 5.153.687 | 5.351.906 | 5.560.861  | 5.402.377 | 5.301.294 |
| 8,9  | PORTERIA MULT.FIJA MICROF. BALONC. MOVIBLE CON CONTRAPESO, EN TUBERIA DE 3" CAL 2.5MM Y TABLERO ACRILICO  | JGO | 5.211.844 | 5.418.244 | 5.631.872  | 5.469.844 | 5.366.644 |
| 8,10 | MODULO BIOSALUDABLE ESTANDAR - VALOR PROMEDIO   | UND | 2.197.012 | 2.273.740 | 2.359.585  | 2.294.297 | 2.252.972 |
| 8,11 | MODULO CALISTENIA - VALOR PROMEDIO  | UND | 7.927.236 | 8.218.509 | 8.534.734  | 8.294.996 | 8.141.463 |
| 8,12 | JUEGO INFANTIL TIPO M-5A DE TRES PUESTOS, ACABADO SUPERFICIAL EN PINTURA EN POLVO SECO TGIC RESISTENTE A LA INTERPERIE. (INCLUYE SUMINISTRO E INSTALACIÓN)  | UND | 2.528.654 | 2.616.335 | 2.715.015  | 2.640.071 | 2.592.322 |
| 8,13 | JUEGO INFANTIL TIPO M-3 METÁLICO. INCLUYE RODADERO, BARRAS DE FLEXIÓN, ESCALADOR ÁRBOL Y ARCO, PASAMANOS Y ANGULATADO, PLATAFORMAS CUBIERTAS, ACABADO SUPERFICIAL EN PINTURA EN POLVO EN SECO   | UND | 6.891.788 | 7.130.699 | 7.400.116  | 7.195.928 | 7.064.629 |
| 8,14 | COLUMPIO 2 PUESTOS EN TUBERIA GALVANIZ. DE 2.5" Y 2.0"  | UND | 1.043.834 | 1.080.671 | 1.121.814  | 1.052.205 | 1.070.510 |
| 8,15 | COLUMPIO 3 PUESTOS EN TUBERIA GALVANIZ. DE 2.5" Y 2.0"  | UND | 1.389.735 | 1.439.347 | 1.494.328  | 1.388.580 | 1.425.802 |
| 8,16 | COLUMPIO 2 PUESTOS EN MADERA L=3.4,H2.5M A=2.0M   | UND | 965.098   | 1.000.127 | 1.038.587  | 988.795   | 990.609   |
| 8,17 | COLUMPIO 3 PUESTOS EN MADERA L= 4.7M,H=2.5M,A= 2.0M   | UND | 1.250.100 | 1.296.530 | 1.346.732  | 1.248.797 | 1.284.161 |
| 8,18 | DESGLIZADOR TUBO GALV.1.5"Y 1.0"LAM.CAL20   | UND | 1.419.696 | 1.470.700 | 1.527.018  | 1.484.441 | 1.456.808 |
| 8,19 | BALANCIN 2 PUESTOS TUBO GALV.2.5" Y 2.0"  | UND | 987.133   | 1.022.763 | 1.061.984  | 1.032.330 | 1.013.094 |
| 8,20 | BALANCIN 4 PUESTOS TUBO GALV.2.5" Y 2.0"  | UND | 1.548.265 | 1.604.605 | 1.666.323  | 1.619.680 | 1.589.378 |
| 8,21 | ARENERO EN MADERA DE 3MTS X 3 MTS   | UND | 580.974   | 595.153   | 613.735    | 589.046   | 583.535   |

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| <b>9 SEÑALIZACIÓN</b> |  |     |          |          |          |          |          |
| 9,1                   | LINEA DEMARCACION ACRILICA A=10CM                    | ML  | 1.911    | 1.972    | 2.043    | 1.988    | 1.957    |
| 9,2                   | ESMALTE LINEA DEMARCACION                            | ML  | 1.311    | 1.348    | 1.394    | 1.358    | 1.339    |
| 9,3                   | LETRA EN PINTURA ACRILICA A=30-50CM2                 | UND | 10.318   | 10.474   | 10.757   | 10.513   | 10.435   |
| 9,4                   | LETRA EN PINTURA ACRILICA A=80-100 CM2               | UND | 19.352   | 19.663   | 20.204   | 19.741   | 19.585   |
| 9,5                   | SENAL VERTICAL EN LAMINA REFLECTIV 60X60 EN POSTE 3M | UND | 482.730  | 499.701  | 518.483  | 504.128  | 495.247  |
| 9,6                   | SENAL VERTICAL EN LAMINA REFLECTIV 75X75 EN POSTE 3M | UND | 422.730  | 437.301  | 453.611  | 441.128  | 433.447  |
| 9,7                   | TACHAS REFLECTIVAS                                   | UND | 13.844   | 14.374   | 14.931   | 14.507   | 14.242   |

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| <b>C VIAS</b>   |  |     |           |           |           |           |           |
| <b>1 PRELIMINARES - DEMOLICIONES</b>                    |  |     |           |           |           |           |           |
| 1,1   | DEMOLICION PISOS Y ANDENES EN CONCRETO E=10/15CM   | M2  | 4.061     | 4.061     | 4.139     | 4.061     | 4.061     |
| 1,2   | DEMOLICION SARDINELES Y/O BORDILLOS EN CONCRETO  | ML  | 4.569     | 4.569     | 4.656     | 4.569     | 4.569     |
| 1,3   | DEMOLICION PAVIMENTO RIGIDO EN CONCRETO E=15CM   | M2  | 9.215     | 9.535     | 9.888     | 9.615     | 9.455     |
| 1,4   | DEMOLICION PAVIMENTO RIGIDO EN CONCRETO E=20CM   | M2  | 15.359    | 15.892    | 16.480    | 16.025    | 15.759    |
| 1,5   | DEMOLICION PAVIMENTO FLEXIBLE + RETIRO 10KMS   | M3  | 32.996    | 33.909    | 35.043    | 34.138    | 33.681    |
| 1,6   | DEMOLICION O REMOLICION DE ALCANTARILLAS   | ML  | 94.040    | 95.866    | 98.669    | 96.323    | 95.410    |
| 1,7   | DEMOLICION ESTRUC. EN CONCRETO - OBRAS COMPL. O DE ARTE VIAS   | M3  | 61.997    | 64.090    | 66.430    | 64.613    | 63.566    |
| 1,8   | DEMOL.EDIFICACION EXISTENTE + RETIRO   | M2  | 43.835    | 44.564    | 45.827    | 44.746    | 44.382    |
| 1,9   | TRASLADO DE POSTE EN CONCRETO  | UND | 84.040    | 86.866    | 90.045    | 87.572    | 86.159    |
| <b>2 DESMONTE Y TRANSPLANTES</b>                        |  |     |           |           |           |           |           |
| 2,1   | DESMONTE Y LIMIEZA ZONA NO BOSCOSEA (GUADAÑADORA- MOTOSIERRA)  | HA  | 389.586   | 395.190   | 405.940   | 396.591   | 393.789   |
| 2,2   | DESMONTE Y LIMIEZA ZONA BOSCOSEA (BULDOZER - CARGADOR - MOTOSIERRA)  | HA  | 2.315.501 | 2.398.142 | 2.488.240 | 2.418.802 | 2.377.481 |
| 2,3   | CORTE ARBOL MAS RETIRO (INCL. RAICES) H>3.0  | UND | 115.921   | 118.121   | 121.545   | 118.671   | 117.571   |
| 2,4   | CORTE Y RETIRO DE ARBUSTO  | UND | 8.546     | 8.766     | 9.051     | 8.821     | 8.711     |
| 2,5   | TRANSPLANTE ARBOL TIPO I - INVIAS (ALT. > 20M, DIAM. > 10M) DISTANCIA CORTA <15M   | UND | 712.290   | 736.634   | 763.685   | 742.720   | 730.548   |
| 2,6   | TRANSPLANTE ARBOL TIPO I - INVIAS (ALT. > 20M, DIAM. > 10M) DISTANCIA LARGA DE 15M - 100M  | UND | 860.612   | 889.852   | 922.440   | 897.162   | 882.542   |
| 2,7   | TRANSPLANTE ARBOL TIPO I - INVIAS (ALT. > 20M, DIAM. > 10M) DISTANCIA ESPECIAL > 100M  | UND | 971.854   | 1.004.766 | 1.041.506 | 1.012.994 | 996.538   |
| 2,8   | TRANSPLANTE ARBOL TIPO II - INVIAS (ALT. > 10M - 20M, DIAM. 5M-10M) DISTANCIA CORTA <15M   | UND | 443.750   | 458.986   | 475.880   | 462.795   | 455.177   |
| 2,9   | TRANSPLANTE ARBOL TIPO II - INVIAS (ALT. > 10M - 20M, DIAM. 5M-10M) DISTANCIA LARGA DE 15M-100M  | UND | 508.668   | 526.107   | 545.457   | 530.467   | 521.747   |
| 2,10  | TRANSPLANTE ARBOL TIPO II - INVIAS (ALT. > 10M - 20M, DIAM. 5M-10M) DISTANCIA ESPECIAL >100M   | UND | 555.553   | 574.583   | 595.707   | 579.341   | 569.825   |
| 2,11  | TRANSPLANTE ARBOL TIPO III - INVIAS (ALT. > 5M - 10M, DIAM. 2M-5M) DISTANCIA CORTA <15M  | UND | 213.187   | 219.747   | 227.444   | 221.387   | 218.107   |
| 2,12  | TRANSPLANTE ARBOL TIPO III - INVIAS (ALT. > 5M - 10M, DIAM. 2M-5M) DISTANCIA LARGA 15M - 100M  | UND | 288.653   | 298.013   | 308.698   | 300.353   | 295.673   |
| 2,13  | TRANSPLANTE ARBOL TIPO III - INVIAS (ALT. > 5M - 10M, DIAM. 2M-5M) DISTANCIA ESPECIAL > 100M   | UND | 306.828   | 316.762   | 328.111   | 319.246   | 314.279   |
| <b>3 MOVIMIENTOS DE TIERRA Y ESTRUCTURAS DE RELLENO</b> |  |     |           |           |           |           |           |
| 3,1   | EXCAVACIONES VARIAS SIN CLASIFICAR   | M3  | 14.170    | 14.698    | 15.260    | 14.830    | 14.566    |
| 3,2   | EXCAVACIONES VARIAS EN MATERIAL COMÚN  | M3  | 14.860    | 15.414    | 16.003    | 15.552    | 15.275    |
| 3,3   | EXCAVACIONES VARIAS EN MATERIAL COMÚN BAJO AGUA  | M3  | 19.007    | 19.699    | 20.444    | 19.872    | 19.526    |
| 3,4   | EXCAVACIONES VARIAS EN ROCA CON EXPLOSIVO Y MAQUINA EN SECO  | M3  | 80.608    | 83.694    | 86.939    | 84.467    | 82.924    |
| 3,5   | EXCAVACIONES VARIAS EN ROCA CON EXPLOSIVO Y MAQUINA BAJO AGUA  | M3  | 118.751   | 122.269   | 126.479   | 123.149   | 121.390   |
| 3,6   | EXCAVACIÓN A MAQUINA EN MATERIAL COMÚN O SIN CLASIFICAR DE LA EXPLANACIÓN Y CANALES  | M3  | 8.587     | 8.925     | 9.275     | 9.009     | 8.840     |
| 3,7   | EXCAVACIÓN A MAQUINA EN MATERIAL COMÚN O SIN CLASIFICAR DE PRÉSTAMOS   | M3  | 2.627     | 2.726     | 2.831     | 2.751     | 2.702     |
| 3,8   | EXCAVACIÓN EN ROCA CON EXPLOSIVO Y MAQUINA DE LA EXPLANACIÓN Y CANALES   | M3  | 36.408    | 37.671    | 39.064    | 37.987    | 37.356    |
| 3,9   | REMOCIÓN DE DERRUMBES  | M3  | 6.815     | 7.075     | 7.349     | 7.140     | 7.010     |
| 3,10  | TRANSPORTE DE MATERIALES PROVENIENTES TANTO DE EXCAVACIÓN (EXPLANACIÓN, CANALES Y PRÉSTAMOS O DERRUMBE) COMO MATERIALES PETREOS (ARENAS, GRAVAS, GRAVILLAS, BASES, SUB BASES, ETC) | M3K | 1.150     | 1.196     | 1.243     | 1.208     | 1.185     |
| 3,11  | CONFORMACIÓN TERRAPLENES   | M3  | 9.906     | 10.284    | 10.682    | 10.378    | 10.189    |

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| 3,12                             | CONFORMACIÓN PEDRAPLÉN COMPACTO   | M3  | 6.976    | 7.232    | 7.507    | 7.296    | 7.168    |
| 3,13                             | RELLENO SELECCIONADO PARA TERRAPLENES   | M3  | 49.135   | 51.080   | 53.093   | 51.566   | 50.594   |
| 3,14                             | RELLENO SUB-BASE GRANULAR PARA TERRAPLENES  | M3  | 73.510   | 76.430   | 76.374   | 74.129   | 75.132   |
| 3,15                             | RELLENO BASE GRANULAR PARA TERRAPLENES  | M3  | 79.135   | 82.280   | 81.474   | 77.254   | 80.757   |
| 3,16                             | CONFORMACIÓN DE TALUDES EXISTENTES  | M3  | 951      | 984      | 1.020    | 992      | 975      |
| 3,17                             | RELLENO CON ARENA LAVADA O MEDIA  | M3  | 52.183   | 51.077   | 50.871   | 49.176   | 47.129   |
| 3,18                             | RELLENO PARA ESTRUCTURA CON MATERIAL SELECCIONADO   | M3  | 55.949   | 57.627   | 59.797   | 58.047   | 57.208   |
| 3,19                             | RELLENO PARA ESTRUCTURA CON RECEBO  | M3  | 59.849   | 60.019   | 61.467   | 59.412   | 59.977   |
| 3,20                             | RELLENO PARA ESTRUCTURA CON BASE GRANULAR   | M3  | 87.149   | 90.075   | 89.313   | 84.762   | 88.577   |
| 3,21                             | RELLENO PARA ESTRUCTURA CON MATERIAL FILTRANTE  | M3  | 83.299   | 86.167   | 89.352   | 86.884   | 84.645   |
| 3,22                             | RELLENO PARA ESTRUCTURA CON GRAVILLA  | M3  | 50.799   | 52.367   | 53.232   | 51.524   | 50.195   |
|                                  | <b>Nota: Se debe incrementar el valor de transporte adicional a 1km, tanto en los ítems con materiales, como en los retiros, utilizando el valor del ítem 3,10, multiplicándolo por los kilómetros de mas, teniendo en cuenta el sitio de la obra en relación con las canteras, plantas de trituración o escombreras según el caso.</b> |     |          |          |          |          |          |
| <b>4 GEOTEXTILES DE REFUERZO</b> |   |     |          |          |          |          |          |
| 4,1                              | GEOTEXTIL NT 1600S O SIMILAR  | M2  | 3.983    | 4.129    | 4.285    | 4.165    | 4.093    |
| 4,2                              | GEOTEXTIL NT 1600 O SIMILAR   | M2  | 6.258    | 6.495    | 6.745    | 6.555    | 6.437    |
| 4,3                              | GEOTEXTIL NT 1800 O SIMILAR   | M2  | 7.883    | 8.185    | 8.502    | 8.260    | 8.110    |
| 4,4                              | GEOTEXTIL NT 2000 O SIMILAR   | M2  | 9.053    | 9.402    | 9.767    | 9.489    | 9.315    |
| 4,5                              | GEOTEXTIL NT 2500 O SIMILAR   | M2  | 9.703    | 10.078   | 10.470   | 10.171   | 9.984    |
| 4,6                              | GEOTEXTIL NT 3000 O SIMILAR   | M2  | 11.913   | 12.376   | 12.860   | 12.492   | 12.261   |
| 4,7                              | GEOTEXTIL T 1400 O SIMILAR  | M2  | 6.453    | 6.698    | 6.957    | 6.759    | 6.637    |
| 4,8                              | GEOTEXTIL T 1700 O SIMILAR  | M2  | 7.883    | 8.185    | 8.502    | 8.260    | 8.110    |
| 4,9                              | GEOTEXTIL T 2100 O SIMILAR  | M2  | 8.533    | 8.861    | 9.206    | 8.943    | 8.779    |
| 4,10                             | GEOTEXTIL T 2400 O SIMILAR  | M2  | 9.183    | 9.537    | 9.908    | 9.625    | 9.449    |
| 4,11                             | GEOMALLA ESTABILIZACION SUELO SUBRASANTE PBX-11 O SIMILAR   | M2  | 12.583   | 13.073   | 13.584   | 13.195   | 12.951   |
| 4,12                             | GEOTEXTIL NT REPAV 450 O SIMILAR  | M2  | 7.006    | 7.262    | 7.537    | 7.326    | 7.198    |
| <b>5 ESTRUCTURAS DE BASE</b>     |   |     |          |          |          |          |          |
| 5,1                              | SUBRASANTE ESTABILIZACION CON CEMENTO (INCL. CEMENTO)   | M3  | 54.399   | 52.377   | 52.785   | 53.271   | 52.282   |
| 5,2                              | SUBRASANTE ESTABILIZACION CON CAL (INCL. LA CAL)  | M3  | 82.399   | 85.657   | 89.025   | 86.471   | 84.842   |
| 5,3                              | CONFORMACIÓN DE LA CALZADA EXISTENTE  | M2  | 845      | 867      | 911      | 872      | 861      |
| 5,4                              | AFIRMADO  | M3  | 45.160   | 46.856   | 48.793   | 47.281   | 46.433   |
| 5,5                              | SUB-BASE GRANULAR CLASE A TIPO INVIAS (CBR=20%)   | M3  | 80.119   | 83.222   | 83.403   | 80.846   | 81.856   |
| 5,6                              | SUB-BASE GRANULAR CLASE B TIPO INVIAS (CBR=30%)   | M3  | 80.119   | 83.222   | 83.403   | 80.846   | 81.856   |
| 5,7                              | SUB-BASE GRANULAR CLASE C TIPO INVIAS (CBR=40%)   | M3  | 80.119   | 83.222   | 83.403   | 80.846   | 81.856   |
| 5,8                              | SUB-BASE GRANULAR PARA BACHEO CLASE A (CBR=20%)   | M3  | 90.035   | 92.727   | 92.888   | 90.248   | 91.463   |
| 5,9                              | SUB-BASE GRANULAR PARA BACHEO CLASE B (CBR=30%)   | M3  | 90.035   | 92.727   | 92.888   | 90.248   | 91.463   |
| 5,10                             | SUB-BASE GRANULAR PARA BACHEO CLASE C (CBR=40%)   | M3  | 90.035   | 92.727   | 92.888   | 90.248   | 91.463   |
| 5,11                             | BASE GRANULAR CLASE A TIPO INVIAS (GRADACION 1)   | M3  | 88.569   | 92.010   | 90.033   | 88.646   | 89.656   |
| 5,12                             | BASE GRANULAR CLASE B TIPO INVIAS (GRADACION 2)   | M3  | 88.569   | 92.010   | 90.033   | 88.646   | 89.656   |
| 5,13                             | BASE GRANULAR CLASE C TIPO INVIAS (GRADACION 3)   | M3  | 88.569   | 92.010   | 90.033   | 88.646   | 89.656   |
| 5,14                             | BASE GRANULAR PARA BACHEO CLASE A (GRADACION 1)   | M3  | 98.485   | 101.515  | 99.518   | 98.048   | 99.263   |



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| ITEM  | DESCRIPCION  | UND | VR. UNIT        | VR. UNIT  | VR. UNIT  | VR. UNIT  | VR. UNIT  |
| 5,15  | BASE GRANULAR PARA BACHEO CLASE B (GRADACION 2)                          | M3  | 98.485          | 101.515   | 99.518    | 98.048    | 99.263    |
| 5,16  | BASE GRANULAR PARA BACHEO CLASE C (GRADACION 3)                          | M3  | 98.485          | 101.515   | 99.518    | 98.048    | 99.263    |
| 5,17  | SUELO-CEMENTO SC-D TIPO A - GRADACION 1 (INCL. CEMENTO)                  | M3  | 130.717         | 131.236   | 128.864   | 128.716   | 128.937   |
| 5,18  | SUELO-CEMENTO SC-D TIPO B - GRADACION 2 (INCL. CEMENTO)                  | M3  | 130.717         | 131.236   | 128.864   | 128.716   | 128.937   |
| <b>6 PAVIMENTOS ASFALTICOS, ARTICULADOS Y RIGIDOS</b>           |  |     |                 |           |           |           |           |
| 6,1   | ACARREO ASFALTO EN CALIENTE VOLUMEN COMPACTADO                           | M3K | 2.000           | 2.080     | 2.163     | 2.100     | 2.060     |
| 6,2   | ACARREO MATERIAL PETREO.VOL.COMPACT                                      | M3K | 1.495           | 1.555     | 1.616     | 1.570     | 1.541     |
| 6,3   | RIEGO DE IMPRIMACION ASFÁLTICA CRL-0 / CRL-1                             | M2  | 2.877           | 2.987     | 3.103     | 3.015     | 2.959     |
| 6,4   | RIEGO DE LIGA CON EMULSIÓN ASFÁLTICA CRR-1 O CRR-2                       | M2  | 1.667           | 1.729     | 1.795     | 1.744     | 1.713     |
| 6,5   | MEZCLA ASFALTICA MDC-10  | M3  | 533.087         | 553.949   | 575.655   | 543.046   | 548.733   |
| 6,6   | MEZCLA ASFALTICA MDC-19  | M3  | 474.707         | 493.233   | 512.536   | 480.046   | 488.602   |
| 6,7   | MEZCLA ASFALTICA MDC-25  | M3  | 470.087         | 488.429   | 507.540   | 474.796   | 483.843   |
| 6,8   | MEZCLA ASFALTICA MDC-19 PARA BACHEO                                      | M3  | 567.572         | 589.697   | 612.761   | 574.015   | 584.165   |
| 6,9   | MEZCLA ASFALTICA MDC-25 PARA BACHEO                                      | M3  | 562.072         | 583.977   | 606.814   | 567.765   | 578.500   |
| 6,10  | FRESADO PAVIMENTO ASFALTICO E=10CM                                       | M2  | 4.290           | 4.451     | 4.622     | 4.491     | 4.411     |
| 6,11  | FRESADO PAVIMENTO ASFALTICO E=5CM  | M2  | 2.339           | 2.427     | 2.520     | 2.449     | 2.405     |
| 6,12  | PAVIMENTO ASFALTICO RECICLADO EN FRIO                                    | M3  | 104.372         | 108.052   | 112.489   | 108.972   | 107.132   |
| 6,13  | PAVIMENTO ASFALTICO RECICLADO EN CALIENTE MDC-19                         | M3  | 122.617         | 127.353   | 132.312   | 125.941   | 126.169   |
| 6,14  | PAVIMENTO ASFALTICO RECICLADO EN CALIENTE MDC-25                         | M3  | 121.944         | 126.653   | 131.584   | 125.176   | 125.476   |
| 6,15  | ADOQUIN ARCILLA CORBATIN/I E=8CM   | M2  | 82.993          | 85.009    | 87.711    | 85.403    | 84.263    |
| 6,16  | ADOQUIN ARCILLA VEHICULAR E=8CM  | M2  | 80.953          | 82.887    | 85.498    | 83.286    | 82.187    |
| 6,17  | ADOQUIN CONCRETO VEHICULAR E=8CM   | M2  | 97.503          | 100.099   | 103.421   | 100.638   | 99.208    |
| 6,18  | PAVIMENTO CONCRETO PREMEZCLADO MR=36                                     | M3  | 479.923         | 497.570   | 518.562   | 501.916   | 495.179   |
| 6,19  | PAVIMENTO CONCRETO PREMEZCLADO MR=39                                     | M3  | 507.193         | 525.931   | 548.046   | 530.550   | 523.267   |
| 6,20  | PAVIMENTO CONCRETO PREMEZCLADO MR=40                                     | M3  | 520.323         | 539.586   | 562.243   | 544.336   | 536.791   |
| 6,21  | PAVIMENTO CONCRETO PREMEZCLADO MR=41                                     | M3  | 532.342         | 552.086   | 575.238   | 556.956   | 549.171   |
| 6,22  | PAVIMENTO CONCRETO PREMEZCLADO MR=42                                     | M3  | 543.755         | 563.955   | 587.578   | 555.699   | 560.926   |
| 6,23  | PAVIMENTO CONCRETO PREMEZCLADO MR=43                                     | M3  | 555.127         | 575.782   | 599.875   | 580.881   | 572.640   |
| 6,24  | PAVIMENTO CONCRETO PREMEZCLADO MR=45                                     | M3  | 567.162         | 588.376   | 613.006   | 581.025   | 585.094   |
| 6,25  | PAVIMENTO CONCRETO PREMEZCLADO MR=50                                     | M3  | 606.350         | 629.132   | 655.376   | 634.762   | 625.457   |
| <b>7 OBRAS DE ARTE</b>  |  |     |                 |           |           |           |           |
| 7,1   | CONCRETO DE 5000 PSI O 35 MPA  | M3  | 827.260         | 828.794   | 850.412   | 829.734   | 822.781   |
| 7,2   | CONCRETO DE 4500 PSI O 32 MPA  | M3  | 812.034         | 814.445   | 836.030   | 815.109   | 808.401   |
| 7,3   | CONCRETO DE 4000 PSI O 28 MPA  | M3  | 792.328         | 791.886   | 811.427   | 792.176   | 785.098   |
| 7,4   | CONCRETO DE 3000 PSI O 21 MPA  | M3  | 733.157         | 736.892   | 757.633   | 735.970   | 730.673   |
| 7,5   | CONCRETO DE 2500 PSI O 17.5 MPA  | M3  | 686.818         | 693.293   | 714.180   | 691.431   | 687.094   |
| 7,6   | CONCRETO DE 2000 PSI O 14 MPA  | M3  | 654.970         | 662.310   | 682.936   | 660.115   | 656.026   |
| 7,7   | PILOTE DE CONCRETO VACIADO IN SITU DE 3000 PSI O 21 MPA DE DIAMETRO 1M   | M3  | 1.900.558       | 1.936.061 | 2.035.219 | 1.947.482 | 1.961.172 |
| 7,8   | PILOTE DE CONCRETO VACIADO IN SITU DE 3000 PSI O 21 MPA DE DIAMETRO 1.2M | M3  | 2.283.882       | 2.319.035 | 2.444.384 | 2.331.498 | 2.359.200 |
| 7,9   | MURO CONCRETO CONTENCIÓN:INCLUYE FORMAL                                  | M3  | 721.350         | 715.956   | 732.379   | 720.000   | 712.371   |
| 7,10  | BOX COULVERT CONCRETO DE 3000 PSI  | M3  | 737.633         | 735.887   | 753.731   | 740.088   | 731.196   |
| 7,11  | BOX COULVERT CONCRETO DE 4000 PSI  | M3  | 796.804         | 790.881   | 807.525   | 796.294   | 785.621   |
| 7,12  | ESTRIBOS Y ALETAS EN CONCRETO 3000 PSI                                   | M3  | 727.942         | 722.330   | 738.852   | 726.411   | 718.694   |
| 7,13  | VIGAS LOSAS Y RIOSTRAS CONC. 3000 PSI.                                   | M3  | 1.042.240       | 1.041.460 | 1.072.321 | 1.051.380 | 1.040.006 |
| 7,14  | ZARPAS EN CONCRETO DE 3000 PSI.  | M3  | 637.353         | 630.403   | 643.674   | 633.517   | 626.704   |
| 7,15  | REFUERZOS EN HIERRO DE 60.000 PSI.                                       | KLS | 5.260           | 5.321     | 5.774     | 5.326     | 5.625     |
| 7,16  | GAVIONES CALIBRE 12  | M3  | 164.665         | 166.447   | 174.610   | 165.937   | 167.971   |
| 7,17  | GAVIONES CALIBRE 13  | M3  | 154.875         | 156.271   | 164.027   | 155.657   | 157.869   |
| 7,18  | BOLSACRETO 1101-120X240 CONC.1:4:7 1500P                                 | M3  | 298.782         | 296.670   | 300.620   | 298.510   | 292.034   |
| 7,19  | BOLSACRETO 1101-120X240 CONC.1:2:3 3100P                                 | M3  | 398.493         | 388.037   | 394.685   | 390.146   | 385.208   |

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| ITEM                           | DESCRIPCION   | UND | VR. UNIT | VR. UNIT | VR. UNIT | VR. UNIT | VR. UNIT |
|--------------------------------|---|-----|----------|----------|----------|----------|----------|
| 7,20                           | BARANDA DE CONCRETO DE 3000 PSI O 21 MPA  | M3  | 329.710  | 331.357  | 350.040  | 332.005  | 340.881  |
| 7,21                           | BARANDA DE CONCRETO DE 4000 PSI O 28 MPA  | M3  | 337.166  | 338.286  | 356.818  | 339.087  | 347.739  |
| 7,22                           | BARANDA METALICA TUBO GALV. 2" (3UND) - PARAL LAM.H R 1/4 SECCION I A=10CM C/2M   | ML  | 317.266  | 328.680  | 341.043  | 331.533  | 325.826  |
| 7,23                           | BARANDA METALICA TUBO GALV. 3" (3UND) - PARAL LAM.H R 1/4 SECCION I A=10CM C/2M   | ML  | 410.216  | 425.348  | 441.541  | 429.130  | 421.565  |
| 7,24                           | BARANDA METALICA TUBO GALV. 4" (3UND) - PARAL LAM.H R 1/4 SECCION I A=10CM C/2M   | ML  | 530.386  | 550.324  | 571.469  | 555.309  | 545.340  |
| 7,25                           | CUNETAS EN CONCRETO 3000 PSI E=0.15   | M3  | 410.898  | 400.494  | 407.265  | 402.478  | 397.810  |
| 7,26                           | BATEA EN CONCRETO 3000 PSI  | M3  | 451.397  | 443.848  | 452.972  | 446.546  | 440.450  |
| <b>8 CERCAS Y CERRAMIENTOS</b> |   |     |          |          |          |          |          |
| 8,1                            | CERCA/CERRAMIENTO ALAMBRE PUAS 5 HILOS - POSTES DE MADERA   | ML  | 19.740   | 20.387   | 21.122   | 20.549   | 20.225   |
| 8,2                            | CERCA/CERRAMIENTO ALAMBRE PUAS 5 HILOS - POSTE CONCRETO   | ML  | 17.340   | 17.891   | 18.527   | 18.029   | 17.753   |
| 8,3                            | CERCA/CERRAMIENTO ALAMBRE PUAS 5 HILOS - POSTE EN MADERA PLASTICA   | ML  | 21.560   | 22.280   | 23.090   | 22.460   | 22.100   |
| 8,4                            | CERCA/CERRAMIENTO EN MALLA ESLABONADA H=2M Y ALAMBRE PUAS 2 HILOS - POSTES DE CONCRETO  | ML  | 58.471   | 60.543   | 62.805   | 61.061   | 60.025   |
| 8,5                            | CERCA/CERRAMIENTO EN MALLA ESLABONADA H=2M Y ALAMBRE PUAS 2 HILOS - POSTES DE MADERA PLASTICA                                     | ML  | 68.471   | 70.943   | 73.617   | 71.561   | 70.325   |
| 8,6                            | CERCA/CERRAMIENTO EN MALLA ESLABONADA H=2M Y ALAMBRE PUAS 2 HILOS - POSTES DE MADERA  | ML  | 60.871   | 63.039   | 65.400   | 63.581   | 62.497   |
| <b>9 SEÑALIZACION</b>          |   |     |          |          |          |          |          |
| 9,1                            | LINEA DE DEMARCACION INCLUYE MICROESFERA  | ML  | 2.243    | 2.331    | 2.423    | 2.353    | 2.309    |
| 9,2                            | LINEA DE DEMARCACION CONTINUA ANCHO 10CM  | ML  | 2.528    | 2.605    | 2.696    | 2.624    | 2.585    |
| 9,3                            | SENAIZ VERTIC EN LAMINA REFLECTIV 60  | UND | 482.730  | 499.701  | 518.483  | 504.128  | 495.247  |
| 9,4                            | SENAIZACION TABLERO 75X75   | UND | 422.730  | 437.301  | 453.611  | 441.128  | 433.447  |
| 9,5                            | TACHAS REFLECTIVAS  | UND | 13.844   | 14.374   | 14.931   | 14.507   | 14.242   |
| <b>10 MANTENIMIENTO VIAL</b>   |   |     |          |          |          |          |          |
| 10,1                           | CONFORM.COMPACT.SUBRASANTE CBR=95   | M2  | 3.074    | 3.186    | 3.307    | 3.214    | 3.158    |
| 10,2                           | CONFORMACION DE VIA SIN COMPACTAR   | M2  | 960      | 998      | 1.038    | 1.008    | 989      |
| 10,3                           | ROCERIA   | M2  | 71       | 71       | 72       | 71       | 71       |
| 10,4                           | EXCAVACIÓN PARA REPARACIÓN DE PAVIMENTO ASFÁLTICO EXISTENTE INCLUYENDO EL CORTE Y LA REMOCIÓN DE LAS CAPAS ASFÁLTICAS SUBYACENTES | M3  | 83.945   | 86.553   | 89.597   | 87.206   | 85.902   |
| 10,5                           | EXCAVACIÓN PARA REPARACIÓN DE PAVIMENTO ASFÁLTICO EXISTENTE EXCLUYENDO EL CORTE Y LA REMOCIÓN DE LAS CAPAS ASFÁLTICAS SUBYACENTES | M3  | 25.308   | 26.021   | 26.898   | 26.199   | 25.843   |
| 10,6                           | SELLO DE GRIETAS EN PAVIMENO ASFÁLTICO CON RUTEO  | ML  | 3.667    | 3.773    | 3.899    | 3.791    | 3.724    |
| 10,7                           | SELLO DE GRIETAS EN PAVIMENO ASFÁLTICO SIN RUTEO  | ML  | 3.143    | 3.245    | 3.362    | 3.271    | 3.220    |
| 10,8                           | LIMPIEZA ALCANTARILLAS D>=18"   | UND | 142.149  | 142.149  | 144.858  | 142.149  | 142.149  |
| 10,9                           | LIMPIEZA CUNETAS,ZANJAS,DESCOLES(MANUAL)  | ML  | 2.031    | 2.031    | 2.069    | 2.031    | 2.031    |

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| ITEM                                | DESCRIPCION  | UND | VR. UNIT  | VR. UNIT  | VR. UNIT  | VR. UNIT  | VR. UNIT  |
|-------------------------------------|--|-----|-----------|-----------|-----------|-----------|-----------|
| <b>D CONSTRUCCION / EDIFICACION</b> |  |     |           |           |           |           |           |
| <b>1 PRELIMINARES</b>               |  |     |           |           |           |           |           |
| 1,1                                 | ALQUILER OFICINA Y/O BODEGA                                    | MES | 350.000   | 364.000   | 378.420   | 367.500   | 360.500   |
| 1,2                                 | CAMPAMENTO TABLA 18 M2   | UND | 2.794.664 | 2.871.372 | 2.985.263 | 2.906.274 | 2.861.723 |
| 1,3                                 | CAMPAMENTO TABLA 9 M2  | UND | 1.553.973 | 1.597.599 | 1.660.910 | 1.616.845 | 1.591.868 |
| 1,4                                 | CERRAMIENTO ALAMBRE PUAS 5 HILOS                               | ML  | 15.360    | 15.554    | 16.378    | 15.952    | 15.805    |
| 1,5                                 | CERRAMIENTO ESTERILLA  | M2  | 20.498    | 20.761    | 21.691    | 21.145    | 20.899    |
| 1,6                                 | CERRAMIENTO LAMINA GALVANIZADA                                 | M2  | 35.043    | 35.678    | 37.473    | 36.462    | 35.894    |
| 1,7                                 | CERRAMIENTO TABLA RUSTICA                                      | M2  | 36.591    | 37.904    | 39.336    | 38.240    | 37.598    |
| 1,8                                 | CERRAMIENTO TELA FIB.TEJIDA H=2.10M-SINB                       | ML  | 23.659    | 23.753    | 25.429    | 24.722    | 24.315    |
| 1,9                                 | LOCALIZACION-REPLANTEO OBRA ARQUITECTONICO                     | M2  | 5.201     | 5.285     | 5.432     | 5.308     | 5.268     |
| 1,10                                | RETIRO PRADO - MALEZA  | M2  | 1.451     | 1.451     | 1.479     | 1.451     | 1.451     |
| <b>2 DEMOLICIONES Y DESMONTES</b>   |  |     |           |           |           |           |           |
| <b>2,1 DEMOLICIONES</b>             |  |     |           |           |           |           |           |
| 2,1,1                               | DEMOLICION CIMIENTO CONCRETO                                   | M3  | 89.950    | 92.655    | 95.864    | 93.330    | 91.978    |
| 2,1,2                               | DEMOLICION ESTRUCTURAS EN CONCRETO REFORZADO                   | M3  | 143.822   | 148.194   | 153.353   | 149.287   | 147.101   |
| 2,1,3                               | DEMOLICION CONCRETO CICLOPEO                                   | M3  | 127.042   | 131.041   | 135.699   | 132.040   | 130.040   |
| 2,1,4                               | DEMOLICION PLACA/LOSA ALIGERADA E>=25CMS                       | M2  | 38.554    | 39.487    | 40.738    | 39.720    | 39.254    |
| 2,1,5                               | DEMOLICION PLACA/LOSA MACIZA AEREA E>=20CMS                    | M2  | 48.327    | 49.367    | 50.862    | 49.627    | 49.107    |
| 2,1,6                               | DEMOLICION PLACA MURO CONCRETO E<=15CM                         | M2  | 31.890    | 32.557    | 33.533    | 32.723    | 32.390    |
| 2,1,7                               | DEMOLICION PLACA MURO CONCRETO E=15CM-35CM                     | ML  | 8.263     | 8.423     | 8.669     | 8.463     | 8.383     |
| 2,1,8                               | DEMOLICION VIGA CONCRETO 36C-45CM                              | ML  | 8.580     | 8.794     | 9.075     | 8.847     | 8.740     |
| 2,1,9                               | DEMOLICION VIGA CANAL  | ML  | 20.307    | 20.307    | 20.693    | 20.307    | 20.307    |
| 2,1,10                              | DEMOLICION PLACA/CONTRAPISO E<=20CMS                           | M2  | 29.891    | 30.478    | 31.371    | 30.624    | 30.331    |
| 2,1,11                              | DEMOLICION ALFAGIA CONCRETO / LADRILLO / PIEDRA                | ML  | 4.061     | 4.061     | 4.139     | 4.061     | 4.061     |
| 2,1,12                              | DEMOLICION CALADO  | M2  | 3.554     | 3.554     | 3.621     | 3.554     | 3.554     |
| 2,1,13                              | DEMOLICION ENCHAPE CERAMICO                                    | M2  | 9.138     | 9.138     | 9.312     | 9.138     | 9.138     |
| 2,1,14                              | DEMOLICION ENCHAPE CERAMICO A<.50M                             | ML  | 4.569     | 4.569     | 4.656     | 4.569     | 4.569     |
| 2,1,15                              | DEMOLICION GUARDAESCOBA  | ML  | 2.538     | 2.538     | 2.587     | 2.538     | 2.538     |
| 2,1,16                              | DEMOLICION LAVADERO EXISTENTE                                  | UND | 40.614    | 40.614    | 41.386    | 40.614    | 40.614    |
| 2,1,17                              | DEMOLICION MESON CONCRETO                                      | ML  | 20.307    | 20.307    | 20.693    | 20.307    | 20.307    |
| 2,1,18                              | DEMOLICION MURO MAMPOSTERIA 10-20CM                            | M2  | 5.584     | 5.584     | 5.691     | 5.584     | 5.584     |
| 2,1,19                              | DEMOLICION MURO MAMPOSTERIA DOBLE E=21-40CM                    | M2  | 8.123     | 8.123     | 8.277     | 8.123     | 8.123     |
| 2,1,20                              | DEMOLICION MURO MAMPOSTERIA E>50CM                             | M2  | 18.276    | 18.276    | 18.624    | 18.276    | 18.276    |
| 2,1,21                              | DEMOLICION PAÑETES   | M2  | 6.600     | 6.600     | 6.725     | 6.600     | 6.600     |
| 2,1,22                              | DEMOLICION PAÑETES CIELORASO                                   | M2  | 7.107     | 7.107     | 7.243     | 7.107     | 7.107     |
| 2,1,23                              | REGATAS SOBRE MUROS  | ML  | 3.554     | 3.554     | 3.621     | 3.554     | 3.554     |
| 2,1,24                              | ABERTURA VANO PUERTA-VENTANA                                   | M2  | 8.123     | 8.123     | 8.277     | 8.123     | 8.123     |
| <b>2,2 DESMONTES</b>                |  |     |           |           |           |           |           |
| 2,2,1                               | DESMONTE CERRAMIENTO GUADUA-ALAMBRE DE PUAS                    | ML  | 4.264     | 4.264     | 4.346     | 4.264     | 4.264     |
| 2,2,2                               | DESMONTE CERRAMIENTO POSTE CONCRETO-ALAMBRE                    | ML  | 10.154    | 10.154    | 10.347    | 10.154    | 10.154    |
| 2,2,3                               | DESMONTE CONCERINA SENCILLA 45-60CM                            | ML  | 27.648    | 27.648    | 28.201    | 27.648    | 27.648    |
| 2,2,4                               | DESM.MALLA ESLABONADA H=2.0 MT                                 | ML  | 5.077     | 5.077     | 5.173     | 5.077     | 5.077     |
| 2,2,5                               | DESM.REJA METALICA   | M2  | 10.154    | 10.154    | 10.347    | 10.154    | 10.154    |
| 2,2,6                               | DESMONTE CANALES - BAJANTES                                    | ML  | 3.849     | 3.858     | 3.936     | 3.860     | 3.855     |
| 2,2,7                               | DESMONTE CUBIERTA ZINC + ENTRAMADO                             | M2  | 13.292    | 13.310    | 13.573    | 13.314    | 13.305    |
| 2,2,8                               | DESMONTE CUBIERTA ACRILICO-POLICARBONATO                       | M2  | 5.785     | 5.838     | 5.977     | 5.851     | 5.825     |
| 2,2,9                               | DESMONTE CUBIERTA ASBESTO CEMENTO                              | M2  | 5.372     | 5.381     | 5.488     | 5.383     | 5.378     |
| 2,2,10                              | DESMONTE CUBIERTA TEJA BARRO                                   | M2  | 12.297    | 12.308    | 12.548    | 12.311    | 12.305    |
| 2,2,11                              | DESMONTE ESTRUCTURA DE BASE CUBIERTA METALICA/ASBESTO/ACRILICA | M2  | 8.454     | 8.465     | 8.640     | 8.467     | 8.462     |

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| 2,2,12  | DESMONTE ESTRUCTURA DE BASE CUBIERTA TEJA DE BARRO  | M2  | 14.566          | 14.599   | 14.895   | 14.608   | 14.591   |
| 2,2,13  | DESMONTE CORREA METALICA  | ML  | 2.648           | 2.653    | 2.706    | 2.654    | 2.652    |
| 2,2,14  | DESMONTE ESTRUCTURA METALICA PRINCIPAL CUBIERTA (VIGAS - PERFILES)                        | KLS | 1.729           | 1.743    | 1.784    | 1.747    | 1.740    |
| 2,2,15  | DESMONTE ESTRUCTURA CIELO FALSO   | M2  | 5.256           | 5.267    | 5.373    | 5.270    | 5.264    |
| 2,2,16  | DESMONTE CIELORASO MADERA   | M2  | 5.077           | 5.077    | 5.173    | 5.077    | 5.077    |
| 2,2,17  | DESMONTE CIELORASO PANEL + ESTRUCTURA (DRYWALL / ICOPOR / DURACUSTIC / PVC / Y SIMILARES) | M2  | 3.376           | 3.389    | 3.461    | 3.393    | 3.386    |
| 2,2,18  | DESMONTE DIVISIONES Y/O PISOS EN MADERA   | M2  | 3.046           | 3.046    | 3.104    | 3.046    | 3.046    |
| 2,2,19  | DESMONTE DIVISIONES DRYWALL CON SU ESTRUCTURA   | M2  | 9.138           | 9.138    | 9.312    | 9.138    | 9.138    |
| 2,2,20  | DESMONTE MARCO + NAVE SENCILLA  | UND | 20.307          | 20.307   | 20.693   | 20.307   | 20.307   |
| 2,2,21  | DESMONTE MARCO DOBLE + NAVE DOBLE   | UND | 67.979          | 68.309   | 69.786   | 68.392   | 68.227   |
| 2,2,22  | DESMONTE VENTANA EXISTENTE  | M2  | 22.338          | 22.338   | 22.762   | 22.338   | 22.338   |
| 2,2,23  | DESMONTE VIDRIO   | M2  | 3.046           | 3.046    | 3.104    | 3.046    | 3.046    |
| 2,2,24  | DESMONTE APARATO SANITARIO (LAVAMANOS - SANITARIOS)                                       | UND | 25.706          | 25.706   | 26.196   | 25.706   | 25.706   |
| 2,2,25  | DESMONTE GRIFERIA-GRIFO-LLAVE   | UND | 17.429          | 17.458   | 17.806   | 17.465   | 17.451   |
| 2,2,26  | DESMONTE LAVADERO PREFABRICAD   | UND | 20.565          | 20.565   | 20.957   | 20.565   | 20.565   |
| 2,2,27  | DESMONTE Y RETIRO ADOQUIN PREFABRICADO  | M2  | 4.823           | 4.823    | 4.915    | 4.823    | 4.823    |
| <b>3 EXCAVACIONES Y RELLENOS</b>                                |   |     |                 |          |          |          |          |
| 3,1   | DESCAPOTE MANUAL H=0.20 MTS SIN RETIRO  | M2  | 3.554           | 3.554    | 3.621    | 3.554    | 3.554    |
| 3,2   | DESCAPOTE A MAQUINA H=0.20 SIN RETIRO   | M2  | 361             | 373      | 385      | 376      | 370      |
| 3,3   | EXCAVACION MATERIAL COMÚN   | M3  | 20.307          | 20.307   | 20.693   | 20.307   | 20.307   |
| 3,4   | EXCAVACION MATERIAL COMÚN BAJO AGUA H=2.0   | M3  | 22.845          | 22.845   | 23.280   | 22.845   | 22.845   |
| 3,5   | EXCAVACION EN CONGLOMERADO  | M3  | 20.307          | 20.307   | 20.693   | 20.307   | 20.307   |
| 3,6   | EXCAVACION EN ROCA CON COMPRESOR Y RETIRO MAQUINA   | M3  | 44.584          | 46.317   | 48.101   | 46.750   | 45.883   |
| 3,7   | EXCAVACION EN ROCA CON EXPLOSIVO Y RETIRO MAQUINA   | M3  | 80.608          | 83.694   | 86.939   | 84.467   | 82.924   |
| 3,8   | RELLENO MATERIAL SITIO MANUAL   | M3  | 9.538           | 9.538    | 9.747    | 9.538    | 9.538    |
| 3,9   | RELLENO MATERIAL SITIO COMPACTDO-RANA   | M3  | 16.063          | 16.318   | 16.803   | 16.381   | 16.254   |
| 3,10  | RELLENO ARENA FINA  | M3  | 99.138          | 96.638   | 97.287   | 94.138   | 94.138   |
| 3,11  | RELLENO ARENA MEDIANA   | M3  | 50.077          | 48.827   | 48.523   | 46.952   | 45.077   |
| 3,12  | RELLENO GRAVA TRITURA-POLVILLO COMPACTADO   | M3  | 116.269         | 120.145  | 121.590  | 115.264  | 116.446  |
| 3,13  | RELLENO MATERIAL DE RECEBO COMPACTADO INCLUYE TRANSPORTE 10KM                             | M3  | 69.579          | 70.211   | 71.926   | 69.719   | 70.053   |
| 3,14  | ACARREO INTERNO > 10M DE MATERIAL DE EXCAVACION PARA RELLENOS                             | M3  | 7.357           | 7.367    | 7.513    | 7.370    | 7.365    |
| 3,15  | CARGUE Y RETIRO SOBANTES MANUAL HASTA 8KMS  | M3  | 25.384          | 25.912   | 26.685   | 26.048   | 25.784   |
| 3,16  | CARGUE Y RETIRO SOBANTES MANUAL HASTA 16KMS   | M3  | 34.584          | 35.480   | 36.629   | 35.712   | 35.264   |
| 3,17  | CARGUE Y RETIRO SOBANTES MANUAL HASTA 24KMS   | M3  | 43.784          | 45.048   | 46.573   | 45.376   | 44.744   |
| 3,18  | CARGUE Y RETIRO DE SOBANTES A MAQUINA HASTA 8KMS  | M3  | 19.200          | 19.968   | 20.756   | 20.164   | 19.780   |
| 3,19  | CARGUE Y RETIRO DE SOBANTES A MAQUINA HASTA 16KMS   | M3  | 28.400          | 29.536   | 30.700   | 29.828   | 29.260   |
| 3,20  | CARGUE Y RETIRO DE SOBANTES A MAQUINA HASTA 24KMS   | M3  | 37.600          | 39.104   | 40.644   | 39.492   | 38.740   |
| <b>4 ESTRUCTURAS EN CONCRETO REFORZADO</b>                      |   |     |                 |          |          |          |          |
| 4,1   | <b>ACERO DE REFUERZO</b>  |     |                 |          |          |          |          |
| 4,1,1   | ACERO REFUERZO FLEJADO 37000 PSI 240Mpa   | KLS | 5.113           | 5.172    | 5.621    | 5.176    | 5.476    |
| 4,1,2   | ACERO REFUERZO FLEJADO 60000 PSI 420Mpa   | KLS | 5.260           | 5.321    | 5.774    | 5.326    | 5.625    |
| 4,1,3   | MALLA ELECTROSOLDADA  | KLS | 7.689           | 7.956    | 8.190    | 8.022    | 7.889    |
| 4,1,4   | ESCALERILLA HIERRO GRAFILADO 1/4"   | ML  | 4.264           | 4.411    | 4.573    | 4.447    | 4.374    |
| 4,2   | <b>CIMENTACION</b>  |     |                 |          |          |          |          |
| 4,2,1   | CONCRETO CICLOPEO 1500 PSI RELAC.60C/40P  | M3  | 251.469         | 249.534  | 254.377  | 250.121  | 247.627  |

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| 4,2,2   | CONCRETO CICLOPEO 2000 PSI RELAC 60C/40P                                  | M3  | 285.149   | 280.568         | 287.380   | 280.519   | 279.752   |        |
| 4,2,3   | CONCRETO CICLOPEO 3000 PSI RELAC.60C/40P                                  | M3  | 332.062   | 325.317         | 332.198   | 326.032   | 324.540   |        |
| 4,2,4   | LOSA MACIZA CIMIENTO H=10 CM  | M2  | 65.555    | 64.870          | 66.220    | 65.168    | 64.546    |        |
| 4,2,5   | LOSA MACIZA CIMIENTO H=15 CM  | M2  | 86.364    | 85.216          | 86.943    | 85.629    | 84.748    |        |
| 4,2,6   | LOSA MACIZA CIMIENTO H=20 CM  | M2  | 103.161   | 101.390         | 103.329   | 101.879   | 100.820   |        |
| 4,2,7   | MURO CONCRETO CONTENCIÓN 0<H<=1.00MTS                                     | M3  | 603.873   | 594.310         | 605.372   | 596.643   | 591.278   |        |
| 4,2,8   | MURO CONCRETO CONTENCIÓN 0<H<=2.00MTS                                     | M3  | 630.464   | 621.482         | 633.467   | 624.053   | 618.199   |        |
| 4,2,9   | MURO CONCRETO CONTENCIÓN 0<H<=3,5 MTS                                     | M3  | 630.880   | 621.915         | 633.917   | 624.490   | 618.628   |        |
| 4,2,10  | MURO CONTENCIÓN CONCRETO CICLOPEO H<1.5M                                  | M3  | 571.622   | 568.389         | 581.806   | 570.000   | 566.821   |        |
| 4,2,11  | PILOTE CONCRETO REFORZADO   | M3  | 567.338   | 558.856         | 569.833   | 561.496   | 555.546   |        |
| 4,2,12  | SOLADO ESPESOR E=0.05M 3000 PSI 210 MPA                                   | M2  | 23.738    | 23.193          | 23.578    | 23.285    | 23.065    |        |
| 4,2,13  | SOLADO ESPESOR E=0.07M 3000 PSI 210 MPA                                   | M2  | 30.330    | 29.567          | 30.051    | 29.697    | 29.387    |        |
| 4,2,14  | ZAPATA CONCRETO 3000 PSI INC. FORMAleta                                   | M3  | 427.414   | 416.336         | 423.314   | 418.411   | 413.646   |        |
| 4,2,15  | ZAPATA CONCRETO 3500 PSI INC. FORMAleta                                   | M3  | 460.340   | 446.942         | 453.341   | 449.757   | 444.083   |        |
| 4,2,16  | ZAPATA CONCRETO 4000 PSI INC. FORMAleta                                   | M3  | 489.543   | 474.080         | 479.797   | 477.428   | 470.793   |        |
| 4,2,17  | VIGA CIMIENTO CONCRETO 3000 PSI - SECCION RECTANGULAR H=<40 CMS           | M3  | 649.964   | 642.890         | 656.548   | 646.011   | 639.335   |        |
| 4,2,18  | VIGA CIMIENTO CONCRETO 3500 PSI - SECCION RECTANGULAR H=<40 CMS           | M3  | 682.890   | 673.496         | 686.575   | 677.357   | 669.771   |        |
| 4,2,19  | VIGA CIMIENTO CONCRETO 4000 PSI - SECCION RECTANGULAR H=<40 CMS           | M3  | 712.094   | 700.634         | 713.032   | 705.028   | 696.481   |        |
| 4,2,20  | VIGA CIMIENTO CONCRETO 3000 PSI - SECCION T INVERTIDA H=<40 CMS A=<40 CMS | M3  | 687.483   | 680.672         | 695.041   | 683.896   | 677.163   |        |
| 4,2,21  | VIGA CIMIENTO CONCRETO 3500 PSI - SECCION T INVERTIDA H=<40 CMS A=<40 CMS | M3  | 720.409   | 711.277         | 725.068   | 715.241   | 707.599   |        |
| 4,2,22  | VIGA CIMIENTO CONCRETO 4000 PSI - SECCION T INVERTIDA H=<40 CMS A=<40 CMS | M3  | 749.613   | 738.415         | 751.524   | 742.912   | 734.309   |        |
| 4,2,23  | PEDESTAL CONCRETO DE 3000 PSI   | M3  | 509.183   | 501.239         | 511.620   | 504.217   | 498.126   |        |
| 4,3   | <b>ESTRUCTURAS EN CONCRETO APORTICAMIENTO</b>                             |     |           |                 |           |           |           |        |
| 4,3,1   | COLUMNA AMARRE MURO   | ML  | 68.424    | 68.893          | 70.677    | 69.225    | 68.544    |        |
| 4,3,2   | COLUMNA CONCRETO 3000 PSI   | M3  | 1.063.972 | 1.067.263       | 1.094.864 | 1.073.500 | 1.062.691 |        |
| 4,3,3   | COLUMNA CONCRETO 3500 PSI   | M3  | 1.075.298 | 1.075.404       | 1.101.534 | 1.082.166 | 1.070.879 |        |
| 4,3,4   | COLUMNA CONCRETO 4000 PSI   | M3  | 1.114.501 | 1.112.943       | 1.138.806 | 1.120.336 | 1.107.889 |        |
| 4,3,5   | COLUMNA CONCRETO 3000 PSI CIRCULAR D=35C                                  | M3  | 852.974   | 852.453         | 873.921   | 857.737   | 848.834   |        |
| 4,3,6   | COLUMNA CONCRETO 3500 PSI CIRCULAR D=35C                                  | M3  | 885.900   | 883.059         | 903.948   | 889.083   | 879.271   |        |
| 4,3,7   | COLUMNA CONCRETO 4000 PSI CIRCULAR D=35C                                  | M3  | 915.104   | 910.197         | 930.405   | 916.754   | 905.981   |        |
| 4,3,8   | VIGA CONCRETO AEREA 3000 PSI  | M3  | 919.940   | 914.597         | 937.386   | 920.769   | 912.844   |        |
| 4,3,9   | VIGA CONCRETO AEREA 3500 PSI  | M3  | 952.238   | 944.620         | 966.840   | 951.518   | 942.701   |        |
| 4,3,10  | VIGA CONCRETO AEREA 4000 PSI  | M3  | 980.886   | 971.241         | 992.793   | 978.662   | 968.902   |        |
| 4,3,11  | VIGA CONCRETO AMARRE MURO 10-12x20CM                                      | M3  | 1.061.728 | 1.060.780       | 1.091.670 | 1.070.413 | 1.059.587 |        |
| 4,3,12  | PANTALLA EN CONCRETO 3000 PSI E=10-30CMS                                  | M3  | 728.706   | 721.872         | 736.922   | 724.985   | 718.064   |        |
| 4,3,13  | PANTALLA EN CONCRETO 3500 PSI E=10-30CMS                                  | M3  | 761.632   | 752.477         | 766.948   | 756.331   | 748.500   |        |
| 4,3,14  | PANTALLA EN CONCRETO 4000 PSI E=10-30CMS                                  | M3  | 712.536   | 698.183         | 708.746   | 701.786   | 694.561   |        |
| 4,4   | <b>PLACA / LOSA ENTREPISO</b>   |     |           |                 |           |           |           |        |
| 4,4,1   | CASETÓN ESTERILLA H=25CM  | M2  | 34.022    | 35.087          | 36.328    | 35.369    | 34.866    |        |
| 4,4,2   | CASETÓN ESTERILLA H=30CM  | M2  | 35.135    | 36.205          | 37.469    | 36.487    | 35.982    |        |
| 4,4,3   | CASETÓN ESTERILLA H=35CM  | M2  | 40.902    | 42.121          | 43.578    | 42.441    | 41.861    |        |
| 4,4,4   | CASETÓN ESTERILLA H=40CM  | M2  | 45.021    | 46.361          | 47.967    | 46.715    | 46.083    |        |
| 4,4,5   | CASETÓN DE LONA 0.85X0.35   | M2  | 47.782    | 48.696          | 50.150    | 48.965    | 48.587    |        |
| 4,4,6   | CASETÓN DE LONA 0.85X0.70   | M2  | 67.250    | 68.631          | 70.741    | 69.044    | 68.488    |        |
| 4,4,7   | PLACA / LOSA CASETÓN ESTERILLA E=26-30CM                                  | M2  | 121.375   | 121.432         | 124.276   | 121.966   | 120.882   |        |
| 4,4,8   | PLACA / LOSA CASETÓN ESTERILLA E=26-30CM [TORTA]                          | M2  | 141.266   | 141.211         | 144.491   | 141.725   | 140.591   |        |
| 4,4,9   | PLACA / LOSA CASETÓN ESTERILLA E=31-35CM                                  | M2  | 136.460   | 136.879         | 140.259   | 137.550   | 136.189   |        |
| 4,4,10  | PLACA / LOSA CASETÓN ESTERILLA E=31-35CM [TORTA]                          | M2  | 153.146   | 153.414         | 157.147   | 154.055   | 152.664   |        |
| 4,4,11  | PLACA / LOSA CASETÓN ESTERILLA E=36-40CM                                  | M2  | 147.808   | 148.168         | 151.782   | 148.877   | 147.459   |        |
| 4,4,12  | PLACA / LOSA CASETÓN ESTERILLA E=36-40CM [TORTA]                          | M2  | 164.494   | 164.703         | 168.670   | 165.382   | 163.934   |        |
| 4,4,13  | PLACA / LOSA CASETÓN ESTERILLA E=41-45CM                                  | M2  | 155.241   | 155.658         | 159.487   | 156.427   | 154.882   |        |

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| 4,4,14   | PLACA / LOSA CASETON ESTERILLA E=41-45CM [TORTA]                        | M2  | 171.927   | 172.193   | 176.375   | 172.932   | 171.357   |
| 4,4,15   | PLACA / LOSA CASETON ESTERILLA E=46-50CM                                | M2  | 164.827   | 165.203   | 169.227   | 166.015   | 164.406   |
| 4,4,16   | PLACA / LOSA CASETON ESTERILLA E=46-50CM [TORTA]                        | M2  | 181.513   | 181.738   | 186.115   | 182.520   | 180.881   |
| 4,4,17   | PLACA / LOSA CASETON ESTERILLA E=56-60CM                                | M2  | 173.764   | 174.016   | 178.223   | 174.888   | 173.145   |
| 4,4,18   | PLACA / LOSA CASETON ESTERILLA E=56-60CM [TORTA]                        | M2  | 190.450   | 190.551   | 195.111   | 191.393   | 189.620   |
| 4,4,19   | PLACA / LOSA CONCRETO MACIZA E= 8CM                                     | M2  | 82.408    | 82.698    | 84.819    | 83.152    | 82.247    |
| 4,4,20   | PLACA / LOSA CONCRETO MACIZA E=10CM                                     | M2  | 96.510    | 96.704    | 99.135    | 97.226    | 96.172    |
| 4,4,21   | PLACA / LOSA CONCRETO MACIZA E=12CM                                     | M2  | 108.092   | 108.089   | 110.727   | 108.654   | 107.501   |
| 4,4,22   | PLACA / LOSA CONCRETO MACIZA E=15CM                                     | M2  | 132.280   | 132.166   | 135.344   | 132.841   | 131.447   |
| 4,4,23   | PLACA / LOSA CONCRETO MACIZA E=20CM                                     | M2  | 155.010   | 154.423   | 158.007   | 155.208   | 153.558   |
| 4,4,24   | PLACA / LOSA CONCRETO MACIZA E=25CM                                     | M2  | 166.941   | 165.448   | 168.993   | 166.236   | 164.545   |
| 4,4,25   | ACERO ESTRUCTURAL A.S.T.M,A-36  | KLS | 14.920    | 15.427    | 15.993    | 15.555    | 15.301    |
| 4,4,26   | PLACA - LOSA METALDECK 2" CAL. 22 Y CONCRETO E=11.1-12.0C               | M2  | 100.424   | 101.061   | 103.773   | 101.656   | 100.401   |
| 4,4,27   | PLACA - LOSA METALDECK 2" CAL. 20 Y CONCRETO E=11.1-12.0C               | M2  | 107.724   | 108.653   | 111.666   | 109.321   | 107.920   |
| 4,4,28   | PLACA - LOSA METALDECK 3" CAL. 22 Y CONCRETO E=12.0-13.0C               | M2  | 105.449   | 106.198   | 109.069   | 106.821   | 105.510   |
| 4,4,29   | PLACA - LOSA METALDECK 3" CAL. 20 Y CONCRETO E=12.0-13.0C               | M2  | 112.849   | 113.894   | 117.070   | 114.591   | 113.132   |
| 4,5      | <b>ESTRUCTURAS VARIAS</b>   |     |           |           |           |           |           |
| 4,5,1    | ESCALERA CONCRETO 3000 PSI  | M3  | 1.071.643 | 1.069.354 | 1.097.050 | 1.076.684 | 1.066.520 |
| 4,5,2    | ESCALERA CONCRETO 3500 PSI  | M3  | 1.103.942 | 1.099.376 | 1.126.505 | 1.107.432 | 1.096.377 |
| 4,5,3    | CONCRETO 3000 PSI - GRADERIA A=50-60CM H=30-40CM E=0.15 INCL. FORMALETA | M2  | 262.266   | 264.052   | 272.230   | 266.443   | 263.867   |
| 4,5,4    | GRADERIA CONCRETO 3000PSI SOLO CONCRETO                                 | M3  | 437.605   | 427.457   | 434.880   | 429.505   | 424.709   |
| 4,5,5    | PLACA FONDO TANQUE ENTERRADO 4000PSI-28M                                | M3  | 527.410   | 512.608   | 519.165   | 515.764   | 509.455   |
| 4,5,6    | PLACA - LOSA FONDO TANQUE ENTERRADO 3000PSI-28M                         | M3  | 468.239   | 457.614   | 465.371   | 459.558   | 455.030   |
| 4,5,7    | MURO CONCRETO TANQUE ELEVADO 3000PSI                                    | M3  | 836.549   | 830.542   | 849.601   | 835.054   | 827.905   |
| 4,5,8    | MURO CONCRETO TANQUE SUBTERRANEO 4000PSI                                | M3  | 909.220   | 899.576   | 917.992   | 905.435   | 896.235   |
| 4,5,9    | TANQUE ELEVADO 3000 PSI   | M3  | 1.169.508 | 1.171.678 | 1.202.430 | 1.178.936 | 1.167.016 |
| 4,5,10   | TANQUE ENTERRADO CONCRETO 3000 PSI                                      | M3  | 882.584   | 876.837   | 897.738   | 882.115   | 874.153   |
| <b>5</b> | <b>PERFILERIA ESTRUCTURAL METALICA</b>                                  |     |           |           |           |           |           |
| 5,1      | <b>PERFILES ESTRUCTURAL IPE</b>   |     |           |           |           |           |           |
| 5,1,1    | ESTRUCTURA METALICA PERFIL IPE  | KLS | 9.855     | 10.169    | 10.530    | 10.247    | 10.090    |
| 5,1,2    | PERFIL IPE-180  | ML  | 197.733   | 203.547   | 210.532   | 205.000   | 202.093   |
| 5,1,3    | PERFIL IPE-200  | ML  | 231.597   | 238.415   | 246.602   | 240.120   | 236.711   |
| 5,1,4    | PERFIL IPE-240  | ML  | 311.929   | 321.610   | 332.913   | 324.030   | 319.189   |
| 5,1,5    | PERFIL IPE-300  | ML  | 417.160   | 430.620   | 446.020   | 433.985   | 427.255   |
| 5,1,6    | PERFIL IPE-360  | ML  | 535.233   | 553.065   | 573.136   | 557.523   | 548.607   |
| 5,2      | <b>PERFILES ESTRUCTURALES CERRADOS</b>                                  |     |           |           |           |           |           |
| 5,2,1    | TUBO ESTRUCTURAL CUADRADO 40X40 E=2.0MM                                 | ML  | 39.279    | 40.367    | 41.718    | 40.639    | 40.095    |
| 5,2,2    | TUBO ESTRUCTURAL CUADRADO 40X40 E=2.5MM                                 | ML  | 43.116    | 44.358    | 45.867    | 44.668    | 44.047    |
| 5,2,3    | TUBO ESTRUCTURAL CUADRADO 50X50 E=2.0MM                                 | ML  | 39.484    | 40.735    | 42.179    | 41.047    | 40.422    |
| 5,2,4    | TUBO ESTRUCTURAL CUADRADO 50X50 E=2.5MM                                 | ML  | 45.209    | 46.688    | 48.369    | 47.058    | 46.318    |
| 5,2,5    | TUBO ESTRUCTURAL CUADRADO 60X60 E=2.0MM                                 | ML  | 49.381    | 50.873    | 52.640    | 51.246    | 50.500    |
| 5,2,6    | TUBO ESTRUCTURAL CUADRADO 60X60 E=2.5MM                                 | ML  | 56.452    | 58.227    | 60.286    | 58.671    | 57.783    |
| 5,2,7    | TUBO ESTRUCTURAL CUADRADO 70X70 E=2.0MM                                 | ML  | 55.212    | 56.937    | 58.945    | 57.369    | 56.506    |
| 5,2,8    | TUBO ESTRUCTURAL CUADRADO 70X70 E=2.5MM                                 | ML  | 63.370    | 65.422    | 67.765    | 65.935    | 64.909    |
| 5,2,9    | TUBO ESTRUCTURAL CUADRADO 90X90 E=2.0MM                                 | ML  | 65.222    | 67.348    | 69.768    | 67.879    | 66.816    |
| 5,2,10   | TUBO ESTRUCTURAL CUADRADO 90X90 E=2.5MM                                 | ML  | 75.646    | 78.189    | 81.038    | 78.824    | 77.553    |
| 5,2,11   | TUBO ESTRUCTURAL CUADRADO 100X100 E=2.0MM                               | ML  | 86.338    | 88.847    | 91.882    | 89.474    | 88.220    |
| 5,2,12   | TUBO ESTRUCTURAL CUADRADO 100X100 E=2.5MM                               | ML  | 98.629    | 101.629   | 105.171   | 102.380   | 100.879   |
| 5,2,13   | TUBO ESTRUCTURAL CUADRADO 100X100 E=6.0MM                               | ML  | 180.768   | 187.054   | 193.980   | 188.626   | 185.483   |

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|   |  |  |  | ZONA 1          | ZONA 2 | ZONA 3 | ZONA 4 | ZONA 5 |

| ITEM   | DESCRIPCION                                 | UND | VR. UNIT | VR. UNIT | VR. UNIT | VR. UNIT | VR. UNIT |
|--------|---|-----|----------|----------|----------|----------|----------|
| 5,2,14 | TUBO ESTRUCTURAL RECTANGULAR 50X30 E=2.0MM  | ML  | 38.570   | 39.630   | 40.952   | 39.895   | 39.365   |
| 5,2,15 | TUBO ESTRUCTURAL RECTANGULAR 50X30 E=2.5MM  | ML  | 43.116   | 44.358   | 45.867   | 44.668   | 44.047   |
| 5,2,16 | TUBO ESTRUCTURAL RECTANGULAR 60X40 E=2.0MM  | ML  | 39.484   | 40.735   | 42.179   | 41.047   | 40.422   |
| 5,2,17 | TUBO ESTRUCTURAL RECTANGULAR 60X40 E=2.5MM  | ML  | 45.209   | 46.688   | 48.369   | 47.058   | 46.318   |
| 5,2,18 | TUBO ESTRUCTURAL RECTANGULAR 76X38 E=1.5MM  | ML  | 39.361   | 40.727   | 42.233   | 41.068   | 40.385   |
| 5,2,19 | TUBO ESTRUCTURAL RECTANGULAR 76X38 E=2.0MM  | ML  | 61.668   | 63.293   | 65.368   | 63.700   | 62.887   |
| 5,2,20 | TUBO ESTRUCTURAL RECTANGULAR 76X38 E=2.5MM  | ML  | 68.158   | 70.043   | 72.386   | 70.514   | 69.572   |
| 5,2,21 | TUBO ESTRUCTURAL RECTANGULAR 80X40 E=2.0MM  | ML  | 49.381   | 50.873   | 52.640   | 51.246   | 50.500   |
| 5,2,22 | TUBO ESTRUCTURAL RECTANGULAR 80X40 E=2.5MM  | ML  | 56.452   | 58.227   | 60.286   | 58.671   | 57.783   |
| 5,2,23 | TUBO ESTRUCTURAL RECTANGULAR 90X50 E=2.0MM  | ML  | 55.212   | 56.937   | 58.945   | 57.369   | 56.506   |
| 5,2,24 | TUBO ESTRUCTURAL RECTANGULAR 90X50 E=2.5MM  | ML  | 63.630   | 65.692   | 68.046   | 66.208   | 65.177   |
| 5,2,25 | TUBO ESTRUCTURAL RECTANGULAR 100X40 E=2.0MM | ML  | 55.212   | 56.937   | 58.945   | 57.369   | 56.506   |
| 5,2,26 | TUBO ESTRUCTURAL RECTANGULAR 100X40 E=2.5MM | ML  | 63.630   | 65.692   | 68.046   | 66.208   | 65.177   |
| 5,2,27 | TUBO ESTRUCTURAL RECTANGULAR 100X50 E=2.0MM | ML  | 57.737   | 59.564   | 61.675   | 60.020   | 59.107   |
| 5,2,28 | TUBO ESTRUCTURAL RECTANGULAR 100X50 E=2.5MM | ML  | 66.997   | 69.194   | 71.687   | 69.743   | 68.645   |
| 5,2,29 | TUBO ESTRUCTURAL RECTANGULAR 120X60 E=2.0MM | ML  | 64.534   | 66.632   | 69.024   | 67.157   | 66.107   |
| 5,2,30 | TUBO ESTRUCTURAL RECTANGULAR 120X60 E=2.5MM | ML  | 75.646   | 78.189   | 81.038   | 78.824   | 77.553   |
| 5,2,31 | TUBO ESTRUCTURAL RECTANGULAR 150X50 E=3.0MM | ML  | 110.751  | 114.237  | 118.277  | 115.108  | 113.365  |
| 5,2,32 | TUBO ESTRUCTURAL RECTANGULAR 150X50 E=4.0MM | ML  | 134.491  | 138.926  | 143.945  | 140.035  | 137.817  |
| 5,3    | <b>PERFILES EN C - GALVANIZADO</b>          |     |          |          |          |          |          |
| 5,3,1  | PERFIL ABIERTO AG C 60X40 E=1.2MM C.18      | ML  | 26.364   | 27.090   | 27.994   | 27.272   | 26.909   |
| 5,3,2  | PERFIL ABIERTO AG C 60X40 E=1.5MM C.16      | ML  | 28.937   | 29.766   | 30.776   | 29.973   | 29.559   |
| 5,3,3  | PERFIL ABIERTO AG C 60X40 E=1.9MM C.14      | ML  | 34.913   | 35.981   | 37.238   | 36.248   | 35.714   |
| 5,3,4  | PERFIL ABIERTO AG C120X60 E=1.2MM C.18      | ML  | 36.142   | 37.259   | 38.566   | 37.538   | 36.979   |
| 5,3,5  | PERFIL ABIERTO AG C120X60 E=1.5MM C.16      | ML  | 40.906   | 42.213   | 43.717   | 42.540   | 41.886   |
| 5,3,6  | PERFIL ABIERTO AG C120X60 E=1.9MM C.14      | ML  | 47.396   | 48.964   | 50.734   | 49.355   | 48.572   |
| 5,3,7  | PERFIL ABIERTO AG C160X60 E=1.2MM C.18      | ML  | 44.353   | 45.644   | 47.204   | 45.966   | 45.321   |
| 5,3,8  | PERFIL ABIERTO AG C160X60 E=1.5MM C.16      | ML  | 45.691   | 47.190   | 48.890   | 47.565   | 46.815   |
| 5,3,9  | PERFIL ABIERTO AG C160X60 E=1.9MM C.14      | ML  | 52.995   | 54.786   | 56.787   | 55.234   | 54.338   |
| 5,3,10 | PERFIL ABIERTO AG C220X80 E=1.2MM C.18      | ML  | 53.569   | 55.229   | 57.169   | 55.644   | 54.814   |
| 5,3,11 | PERFIL ABIERTO AG C220X80 E=1.5MM C.16      | ML  | 61.239   | 63.205   | 65.461   | 63.697   | 62.714   |
| 5,3,12 | PERFIL ABIERTO AG C220X80 E=1.9MM C.14      | ML  | 71.697   | 74.081   | 76.768   | 74.678   | 73.485   |
| 5,3,13 | PERFIL ABIERTO AG C305X80 E=1.5MM C.16      | ML  | 69.583   | 71.874   | 74.467   | 72.446   | 71.301   |
| 5,3,14 | PERFIL ABIERTO AG C305X80 E=1.9MM C.14      | ML  | 86.598   | 89.569   | 92.864   | 90.312   | 88.826   |
| 5,4    | <b>PERFILES EN C - NEGRO</b>                |     |          |          |          |          |          |
| 5,4,1  | PERFIL ABIERTO HR C 10x2.5/8" E=1.5MM       | ML  | 53.625   | 55.287   | 57.229   | 55.702   | 54.871   |
| 5,4,2  | PERFIL ABIERTO HR C 10x2.5/8" E=2.0MM       | ML  | 63.668   | 65.731   | 68.087   | 66.247   | 65.215   |
| 5,4,3  | PERFIL ABIERTO HR C 10x2.5/8" E=2.5MM       | ML  | 74.707   | 77.212   | 80.022   | 77.838   | 76.586   |
| 5,4,4  | PERFIL ABIERTO HR C 5x2" E=1.5MM            | ML  | 36.722   | 37.862   | 39.193   | 38.147   | 37.577   |
| 5,4,5  | PERFIL ABIERTO HR C 5x2" E=2.0MM            | ML  | 44.109   | 45.545   | 47.180   | 45.903   | 45.186   |
| 5,4,6  | PERFIL ABIERTO HR C 60x 40 E=1.2MM C.18     | ML  | 28.760   | 29.428   | 30.345   | 29.594   | 29.261   |
| 5,4,7  | PERFIL ABIERTO HR C 60x 40 E=1.5MM C.16     | ML  | 31.317   | 32.086   | 33.109   | 32.279   | 31.894   |
| 5,4,8  | PERFIL ABIERTO HR C 60x 40 E=2.0MM C.14     | ML  | 34.868   | 35.779   | 36.948   | 36.007   | 35.551   |
| 5,4,9  | PERFIL ABIERTO HR C 60x 40 E=2.5MM C.12     | ML  | 37.957   | 38.992   | 40.288   | 39.251   | 38.733   |

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|   |   |     |          | ZONA 1          | ZONA 2   | ZONA 3   | ZONA 4   | ZONA 5 |
| ITEM  | DESCRIPCION                                   | UND | VR. UNIT | VR. UNIT        | VR. UNIT | VR. UNIT | VR. UNIT |        |
| 5,4,10  | PERFIL ABIERTO HR C 60x 40 E=3.0MM C.11       | ML  | 41.775   | 42.963          | 44.416   | 43.260   | 42.666   |        |
| 5,4,11  | PERFIL ABIERTO HR C 6x2" E=1.5MM              | ML  | 43.477   | 44.733          | 46.257   | 45.047   | 44.419   |        |
| 5,4,12  | PERFIL ABIERTO HR C 6x2" E=2.0MM              | ML  | 50.714   | 52.260          | 54.082   | 52.646   | 51.873   |        |
| 5,4,13  | PERFIL ABIERTO HR C 6x2" E=2.5MM              | ML  | 58.085   | 59.925          | 62.051   | 60.385   | 59.465   |        |
| 5,4,14  | PERFIL ABIERTO HR C 6x2.5/8" E=2.0MM          | ML  | 46.896   | 48.289          | 49.954   | 48.637   | 47.941   |        |
| 5,4,15  | PERFIL ABIERTO HR C 6x2.5/8" E=2.5MM          | ML  | 53.586   | 55.246          | 57.187   | 55.662   | 54.831   |        |
| 5,4,16  | PERFIL ABIERTO HR C 7"x2.5/8" E=2.0MM         | ML  | 55.927   | 57.681          | 59.717   | 58.119   | 57.242   |        |
| 5,4,17  | PERFIL ABIERTO HR C 7"x2.5/8" E=2.5MM         | ML  | 52.706   | 54.331          | 56.236   | 54.738   | 53.925   |        |
| 5,4,18  | PERFIL ABIERTO HR C 8"x2.5/8" E=1.5MM         | ML  | 48.694   | 50.159          | 51.898   | 50.525   | 49.793   |        |
| 5,4,19  | PERFIL ABIERTO HR C 8"x2.5/8" E=2.0MM         | ML  | 58.439   | 60.293          | 62.434   | 60.757   | 59.830   |        |
| 5,4,20  | PERFIL ABIERTO HR C 8"x3" E=2.5MM             | ML  | 62.427   | 64.258          | 66.462   | 64.716   | 63.800   |        |
| 5,4,21  | PERFIL ABIERTO HR C160X60 E=1.2MM C.18        | ML  | 41.186   | 42.350          | 43.780   | 42.641   | 42.059   |        |
| 5,4,22  | PERFIL ABIERTO HR C160X60 E=1.5MM C.16        | ML  | 46.133   | 47.495          | 49.128   | 47.835   | 47.154   |        |
| 5,4,23  | PERFIL ABIERTO HR C160X60 E=2.0MM C.14        | ML  | 49.519   | 51.017          | 52.790   | 51.391   | 50.642   |        |
| 5,4,24  | PERFIL ABIERTO HR C160X60 E=2.5MM C.12        | ML  | 62.699   | 64.724          | 67.040   | 65.231   | 64.218   |        |
| 5,4,25  | PERFIL ABIERTO HR C160X60 E=3.0MM C.11        | ML  | 70.535   | 72.873          | 75.512   | 73.458   | 72.288   |        |
| 5,4,26  | PERFIL ABIERTO HR C220X80 E=1.2MM C.18        | ML  | 49.917   | 51.431          | 53.220   | 51.809   | 51.052   |        |
| 5,4,27  | PERFIL ABIERTO HR C220X80 E=1.5MM C.16        | ML  | 56.380   | 58.152          | 60.208   | 58.595   | 57.709   |        |
| 5,4,28  | PERFIL ABIERTO HR C220X80 E=2.0MM C.14        | ML  | 65.460   | 67.596          | 70.026   | 68.130   | 67.062   |        |
| 5,4,29  | PERFIL ABIERTO HR C220X80 E=2.5MM C.12        | ML  | 78.835   | 81.505          | 84.486   | 82.173   | 80.837   |        |
| 5,4,30  | PERFIL ABIERTO HR C220X80 E=3.0MM C.11        | ML  | 89.957   | 93.072          | 96.511   | 93.851   | 92.293   |        |
| 5,4,31  | PERFIL ABIERTO HR C305X80 E=2.0MM C.14        | ML  | 78.332   | 80.972          | 83.926   | 81.632   | 80.312   |        |
| 5,4,32  | PERFIL ABIERTO HR C305X80 E=3.0MM C.11        | ML  | 106.054  | 109.803         | 113.899  | 110.740  | 108.865  |        |
| 5,4,33  | PERFIL ABIERTO HR C355X110 E=2.0MM C.14       | ML  | 93.364   | 96.605          | 100.179  | 97.415   | 95.795   |        |
| 5,4,34  | PERFIL ABIERTO HR C355X110 E=3.0MM C.11       | ML  | 129.369  | 134.051         | 139.108  | 135.221  | 132.880  |        |
| 5,5   | <b>PERFILES EN Z - GALVANIZADO</b>            |     |          |                 |          |          |          |        |
| 5,5,1   | PERFIL ABIERTO AG Z160X60 E=1.9MM C.14        | ML  | 60.587   | 62.528          | 64.757   | 63.013   | 62.043   |        |
| 5,5,2   | PERFIL ABIERTO AG Z220X80 E=1.9MM C.14        | ML  | 74.116   | 76.598          | 79.384   | 77.218   | 75.978   |        |
| 5,5,3   | PERFIL ABIERTO AG Z305X80 E=1.9MM C.14        | ML  | 83.810   | 86.783          | 90.025   | 87.526   | 86.039   |        |
| 5,6   | <b>PERFILES EN Z - NEGRO</b>                  |     |          |                 |          |          |          |        |
| 5,6,1   | PERFIL ABIERTO HR Z160X60 E=1.2MM C.18        | ML  | 36.187   | 37.306          | 38.615   | 37.585   | 37.026   |        |
| 5,6,2   | PERFIL ABIERTO HR Z160X60 E=1.5MM C.16        | ML  | 42.097   | 43.452          | 45.004   | 43.790   | 43.113   |        |
| 5,6,3   | PERFIL ABIERTO HR Z160X60 E=2.0MM C.13        | ML  | 51.127   | 52.843          | 54.768   | 53.272   | 52.414   |        |
| 5,6,4   | PERFIL ABIERTO HR Z160X60 E=2.5MM C.12        | ML  | 60.257   | 62.339          | 64.639   | 62.859   | 61.818   |        |
| 5,6,5   | PERFIL ABIERTO HR Z160X60 E=3.0MM C.11        | ML  | 69.221   | 71.661          | 74.331   | 72.271   | 71.051   |        |
| 5,6,6   | PERFIL ABIERTO HR Z220X80 E=2.0MM C.13        | ML  | 53.146   | 54.892          | 56.871   | 55.328   | 54.456   |        |
| 5,6,7   | PERFIL ABIERTO HR Z220X80 E=2.5MM C.12        | ML  | 77.216   | 79.925          | 82.896   | 80.602   | 79.248   |        |
| 5,6,8   | PERFIL ABIERTO HR Z220X80 E=3.0MM C.11        | ML  | 89.284   | 92.476          | 95.944   | 93.273   | 91.678   |        |
| 5,6,9   | PERFIL ABIERTO HR Z305X80 E=1.5MM C.16        | ML  | 61.342   | 63.416          | 65.733   | 63.934   | 62.897   |        |
| 5,6,10  | PERFIL ABIERTO HR Z305X80 E=2.0MM C.13        | ML  | 76.207   | 78.876          | 81.805   | 79.543   | 78.209   |        |
| 5,6,11  | PERFIL ABIERTO HR Z305X80 E=3.0MM C.11        | ML  | 105.888  | 109.744         | 113.896  | 110.707  | 108.780  |        |
| <b>6</b>  | <b>MAMPOSTERIA</b>                            |     |          |                 |          |          |          |        |
| 6,1   | SOBRECIMIENTO LADRILLO TOLETE RECOCIDO E=0.15 | ML  | 43.063   | 43.585          | 44.754   | 43.808   | 43.342   |        |
| 6,2   | SOBRECIMIENTO LADRILLO TOLETE RECOCIDO E=0.25 | ML  | 66.807   | 67.694          | 69.561   | 68.078   | 67.275   |        |
| 6,3   | ANTEPECHO CIRCULAR LADRILLO COMUN             | M2  | 63.316   | 60.985          | 65.995   | 62.874   | 62.731   |        |
| 6,4   | LAVATRAPEADOR LADRILLO - ENCHAPADO            | UND | 339.424  | 341.126         | 354.427  | 344.380  | 342.025  |        |
| 6,5   | MACHON LADRILLO COMUN                         | ML  | 23.208   | 22.585          | 23.743   | 22.981   | 22.904   |        |
| 6,6   | MACHON LADRILLO LIMPIO E=.12 CM               | ML  | 29.912   | 29.656          | 30.835   | 29.684   | 29.607   |        |
| 6,7   | MACHON LADRILLO LIMPIO E=.20 CM               | ML  | 50.142   | 49.622          | 51.805   | 49.677   | 49.527   |        |
| 6,8   | MURO BLOQUE CONCRETO 10x19x39CM               | M2  | 42.903   | 42.802          | 43.612   | 40.771   | 43.440   |        |
| 6,9   | MURO BLOQUE CONCRETO 12x19x39CM               | M2  | 53.928   | 53.817          | 54.844   | 53.170   | 53.756   |        |
| 6,10  | MURO BLOQUE CONCRETO 14x19x39CM               | M2  | 62.530   | 62.411          | 63.606   | 62.455   | 63.034   |        |
| 6,11  | MURO BLOQUE CONCRETO 19x19x39CM               | M2  | 66.325   | 67.738          | 68.322   | 67.105   | 66.968   |        |
| 6,12  | MURO BLOQUE CONCRETO ESTRIADO FACHADAS 14CM   | M2  | 63.651   | 65.367          | 65.234   | 65.404   | 63.946   |        |



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| ITEM  | DESCRIPCION   | UND | VR. UNIT | VR. UNIT        | VR. UNIT | VR. UNIT | VR. UNIT |        |
| 6,13  | MURO BLOQUE SPLIT/PIEDRA FACHADA 14CM   | M2  | 84.705   | 84.595          | 86.237   | 83.260   | 85.911   |        |
| 6,14  | MURO CALADO CEMENTO   | M2  | 75.001   | 77.020          | 79.613   | 77.641   | 76.395   |        |
| 6,15  | MURO BLOQUE CERAMICO #4 10X20X30  | M2  | 37.929   | 38.456          | 39.501   | 39.448   | 38.268   |        |
| 6,16  | MURO BLOQUE CERAMICO #5 12X20X30  | M2  | 39.556   | 40.149          | 41.259   | 41.076   | 39.944   |        |
| 6,17  | MURO BLOQUE TRADICIONAL ESTRIADO #4 9X23X33                                   | M2  | 36.654   | 37.130          | 38.121   | 36.546   | 36.955   |        |
| 6,18  | MURO BLOQUE TRADICIONAL ESTRIADO #5 12X23X33                                  | M2  | 37.904   | 38.430          | 39.483   | 38.421   | 38.242   |        |
| 6,19  | MURO LADRILLO ESTRUCTURAL 24.5X12X6.5   | M2  | 92.809   | 92.027          | 96.613   | 92.131   | 91.867   |        |
| 6,20  | MURO LADRILLO ESTRUCTURAL 24.5X12X6 FACHADA (COLOR ESTANDAR - CLARO O SALMON) | M2  | 102.285  | 103.810         | 106.852  | 104.491  | 103.073  |        |
| 6,21  | MURO LADRILLO PORTANTE PRENSADO 29X14.5X9                                     | M2  | 94.950   | 97.301          | 100.470  | 93.008   | 96.601   |        |
| 6,22  | MURO LADRILLO PRENSADO FACHADA 24.5X12X5.5                                    | M2  | 91.324   | 93.054          | 95.876   | 93.663   | 92.408   |        |
| 6,23  | MURO LADRILLO TOLETE COMUN  | M2  | 62.329   | 60.038          | 65.041   | 61.923   | 61.791   |        |
| 6,24  | MURO LADRILLO TOLETE COMUN RECOCIDO   | M2  | 70.069   | 71.294          | 73.387   | 71.763   | 70.791   |        |
| <b>7 ALFAGIAS Y REMATES</b>                                       |   |     |          |                 |          |          |          |        |
| 7,1   | ALFAGIA BLOQUE CONCRETO 10x19x39 CM   | ML  | 35.057   | 34.395          | 34.871   | 34.082   | 34.405   |        |
| 7,2   | ALFAGIA BLOQUE LADRILLO LIMPIO  | ML  | 27.287   | 27.676          | 28.206   | 27.277   | 26.779   |        |
| 7,3   | ALFAGIA CONCRETO A= 8-10CM  | ML  | 30.829   | 31.126          | 32.276   | 31.240   | 31.335   |        |
| 7,4   | ALFAGIA CONCRETO A=15-20CM  | ML  | 67.852   | 69.090          | 71.936   | 69.467   | 69.450   |        |
| 7,5   | ALFAGIA CONCRETO A=21-30CM  | ML  | 74.994   | 76.118          | 79.264   | 76.506   | 76.609   |        |
| 7,6   | ALFAGIA CONCRETO A=31-40CM  | ML  | 85.749   | 86.959          | 90.841   | 87.335   | 87.868   |        |
| 7,7   | ALFAGIA CONCRETO A=41-50CM  | ML  | 88.766   | 89.913          | 94.248   | 90.205   | 91.269   |        |
| 7,8   | ALFAGIA CONCRETO A=51-60CM  | ML  | 108.261  | 109.428         | 114.341  | 109.842  | 110.769  |        |
| 7,9   | ALFAGIA LADRILLO COMUN  | ML  | 29.441   | 28.938          | 30.257   | 29.322   | 29.286   |        |
| 7,10  | ALFAGIA LADRILLO LIMPIO   | ML  | 34.727   | 34.635          | 35.997   | 34.638   | 34.614   |        |
| 7,11  | ALFAGIA PEDRA MUÑECA + GOTERO A=30-40CM                                       | ML  | 64.753   | 66.197          | 68.270   | 66.635   | 65.766   |        |
| 7,12  | ALFAGIA TABLON LISO 25CM  | ML  | 29.149   | 29.424          | 30.129   | 29.469   | 29.258   |        |
| <b>8 REVESTIMIENTOS (PAÑETES - REVOQUES O REPELOS Y ENCHAPES)</b> |   |     |          |                 |          |          |          |        |
| 8,1   | PAÑETE CARTERA + FILOS 1:3  | ML  | 12.533   | 12.321          | 12.495   | 12.367   | 12.270   |        |
| 8,2   | PAÑETE MALLA GALLINERO  | M2  | 24.086   | 23.744          | 24.154   | 23.747   | 23.659   |        |
| 8,3   | PAÑETE MALLA VENADA 1:2   | M2  | 29.695   | 29.363          | 29.890   | 29.553   | 29.213   |        |
| 8,4   | PAÑETE MALLA VENADA 1:3   | ML  | 15.650   | 15.561          | 15.864   | 15.640   | 15.486   |        |
| 8,5   | PAÑETE MEDIA CANA   | ML  | 11.639   | 11.447          | 11.609   | 11.485   | 11.405   |        |
| 8,6   | PAÑETE MURO 1:2   | ML  | 14.795   | 14.479          | 14.666   | 14.554   | 14.418   |        |
| 8,7   | PAÑETE MURO 1:2   | M2  | 22.083   | 21.604          | 21.881   | 21.715   | 21.514   |        |
| 8,8   | PAÑETE MURO 1:3   | M2  | 21.216   | 20.784          | 21.054   | 20.873   | 20.684   |        |
| 8,9   | PAÑETE MURO 1:3   | ML  | 14.218   | 13.932          | 14.115   | 13.993   | 13.865   |        |
| 8,10  | PAÑETE MURO 1:4   | M2  | 20.976   | 20.587          | 20.873   | 20.629   | 20.516   |        |
| 8,11  | PAÑETE MURO IMPERMEABLE 1:2   | ML  | 19.445   | 19.315          | 19.694   | 19.436   | 19.208   |        |
| 8,12  | PAÑETE MURO IMPERMEABLE 1:2   | M2  | 31.383   | 31.276          | 31.936   | 31.480   | 31.093   |        |
| 8,13  | PAÑETE MURO IMPERMEABLE 1:3   | M2  | 30.516   | 30.456          | 31.109   | 30.638   | 30.263   |        |
| 8,14  | PAÑETE MURO IMPERMEABLE 1:3   | ML  | 18.868   | 18.768          | 19.143   | 18.875   | 18.654   |        |
| 8,15  | PAÑETE MURO RUSTICO 1:2   | M2  | 25.232   | 24.676          | 24.990   | 24.806   | 24.570   |        |
| 8,16  | PAÑETE MURO RUSTICO 1:3   | M2  | 24.221   | 23.719          | 24.026   | 23.824   | 23.602   |        |
| 8,17  | PAÑETE CIELO 1:2  | M2  | 25.078   | 24.535          | 24.854   | 24.669   | 24.426   |        |
| 8,18  | PAÑETE CIELO 1:2  | ML  | 16.005   | 15.688          | 15.899   | 15.763   | 15.628   |        |
| 8,19  | PAÑETE CIELO 1:3  | M2  | 23.969   | 23.477          | 23.783   | 23.584   | 23.357   |        |
| 8,20  | PAÑETE CIELO 1:3  | ML  | 15.427   | 15.142          | 15.348   | 15.202   | 15.074   |        |
| 8,21  | PAÑETE CIELO ESTERILLA 1:3  | M2  | 27.762   | 27.504          | 28.010   | 27.661   | 27.351   |        |
| 8,22  | PAÑETE CIELO MALLA  | M2  | 29.915   | 29.591          | 30.128   | 29.784   | 29.439   |        |
| 8,23  | PAÑETE CIELO MALLA 1:3  | M2  | 28.904   | 28.635          | 29.163   | 28.802   | 28.471   |        |
| 8,24  | PAÑETE LOSA RUSTICO 1:3   | M2  | 22.382   | 21.967          | 22.269   | 22.061   | 21.863   |        |
| 8,25  | PAÑETE VIGA CANAL [3C]  | ML  | 31.726   | 31.666          | 32.342   | 31.848   | 31.472   |        |
| 8,26  | ENCHAPE CERAMICA PARED 20X20 - 1 CALIDAD                                      | M2  | 46.892   | 47.994          | 49.606   | 48.300   | 47.630   |        |
| 8,27  | ENCHAPE CERAMICA PARED 20X20 A=10.0-20.0 - 1 CALIDAD                          | ML  | 12.477   | 12.734          | 13.223   | 12.830   | 12.581   |        |
| 8,28  | ENCHAPE CERAMICA PARED 20X20 A=21.0-40.0 - 1 CALIDAD                          | ML  | 18.840   | 19.304          | 20.028   | 19.451   | 19.099   |        |

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|   |  |     | ZONA 1          | ZONA 2    | ZONA 3    | ZONA 4    | ZONA 5    |
| ITEM  | DESCRIPCION  | UND | VR. UNIT        | VR. UNIT  | VR. UNIT  | VR. UNIT  | VR. UNIT  |
| 8,29  | ENCHAPE CERAMICA PARED 20X20 A=41.0-60.0 - 1 CALIDAD                                 | ML  | 25.204          | 25.874    | 26.833    | 26.072    | 25.617    |
| 8,30  | ENCHAPE CERAMICO PARED FORMATO MEDIO DE 30CM A 50CM VR MEDIO - CALIDAD 1             | M2  | 54.268          | 55.665    | 57.581    | 56.045    | 55.227    |
| 8,31  | ENCHAPE CERAMICO PARED FORMATO MEDIO DE 30CM A 50CM VR MEDIO A=10.0-20.0 - CALIDAD 1 | ML  | 13.891          | 14.205    | 14.752    | 14.314    | 14.037    |
| 8,32  | ENCHAPE CERAMICO PARED FORMATO MEDIO DE 30CM A 50CM VR MEDIO A=21.0-40.0 - CALIDAD 1 | ML  | 21.668          | 22.245    | 23.086    | 22.420    | 22.012    |
| 8,33  | ENCHAPE CERAMICO PARED FORMATO MEDIO DE 30CM A 50CM VR MEDIO A=41.0-60.0 - CALIDAD 1 | ML  | 29.446          | 30.285    | 31.420    | 30.526    | 29.987    |
| <b>9</b>  | <b>CUBIERTAS</b>   |     |                 |           |           |           |           |
| 9,1   | <b>ESTRUCTURAS DE CUBIERTA (METALICA - MADERA)</b>                                   |     |                 |           |           |           |           |
| 9,1,1   | CORREA MET. TRIANGULAR L=3.00-4.00 MTS   | ML  | 29.032          | 29.432    | 31.313    | 29.498    | 30.402    |
| 9,1,2   | CORREA MET. TRIANGULAR L=4.10-5.00 MTS   | ML  | 44.643          | 45.276    | 48.271    | 45.378    | 46.854    |
| 9,1,3   | CORREA MET. TRIANGULAR L=5.10-6.00 MTS   | ML  | 48.648          | 49.320    | 52.593    | 49.425    | 51.074    |
| 9,1,4   | CORREA MET. TRIANGULAR L=6.10-7.00 MTS   | ML  | 62.800          | 63.698    | 67.967    | 63.842    | 65.966    |
| 9,1,5   | CORREA MET. TRIANGULAR L=7.10-7.50 MTS   | ML  | 98.392          | 100.882   | 108.233   | 99.210    | 100.781   |
| 9,1,6   | CORREA TUBO RECTANGULAR 3X1/2" E=0.80  | ML  | 27.473          | 28.243    | 29.193    | 28.435    | 28.050    |
| 9,1,7   | CORREA TUBO RECTANGULAR 3X1/2" E=1.00  | ML  | 28.592          | 29.407    | 30.403    | 29.610    | 29.203    |
| 9,1,8   | CORREA TUBO RECTANGULAR 3X1/2" E=1.10  | ML  | 29.761          | 30.622    | 31.667    | 30.838    | 30.407    |
| 9,1,9   | CORREA TUBO RECTANGULAR 4X1/2" E=0.85  | ML  | 28.341          | 29.146    | 30.132    | 29.347    | 28.945    |
| 9,1,10  | CORREA TUBO RECTANGULAR 4X1/2" E=1.00  | ML  | 30.846          | 31.751    | 32.840    | 31.978    | 31.525    |
| 9,1,11  | CORREA TUBO RECTANGULAR 4X1/2" E=1.10  | ML  | 33.435          | 34.443    | 35.639    | 34.695    | 34.191    |
| 9,1,12  | CORREA TUBO RECTANGULAR 100X40 CAL. 16   | ML  | 40.756          | 42.058    | 43.555    | 42.383    | 41.733    |
| 9,1,13  | ESTRUCTURA METALICA ASTM A-36  | KLS | 12.664          | 13.048    | 13.545    | 13.143    | 12.994    |
| 9,1,14  | TENSOR ESTR.VARILLA DIAMETRO 1/2"  | ML  | 8.251           | 8.349     | 8.880     | 8.363     | 8.635     |
| 9,1,15  | TENSOR ESTR.VARILLA DIAMETRO 3/8"  | ML  | 8.251           | 8.349     | 8.880     | 8.363     | 8.635     |
| 9,1,16  | TENSOR ESTR.VARILLA DIAMETRO 5/8"  | ML  | 9.071           | 9.202     | 9.766     | 9.224     | 9.479     |
| 9,1,17  | VARILLA ROSCA.GALV.1/2" L=80-100C+TUERCA   | UND | 17.919          | 18.539    | 19.224    | 18.694    | 18.384    |
| 9,1,18  | VARILLA ROSCA.GALV.5/8" L=30-33CM+TUERCA   | UND | 21.015          | 21.505    | 22.176    | 21.627    | 21.382    |
| 9,1,19  | ESTRUCTURA EN MADERA LAMINADA ESTRUCTURAL SEGUN DISEÑO                               | M3  | 6.556.681       | 6.807.561 | 7.071.151 | 6.870.281 | 6.744.841 |
| 9,1,20  | ESTRUCTURA EN MADERA MACIZA DE ALTA RESISTENCIA                                      | M3  | 3.173.341       | 3.294.781 | 3.422.456 | 3.325.141 | 3.264.421 |
| 9,1,21  | ESTRUCTURA PARAL MADERA 3X6" CUBIERTA  | M2  | 76.720          | 78.108    | 80.418    | 78.570    | 78.101    |
| 9,1,22  | ENTRAMADO TEJA BARRO CANABRAVA   | M2  | 12.928          | 13.095    | 13.448    | 13.152    | 13.098    |
| 9,1,23  | ENTRAMADO TEJA BARRO LISTON 2X2 C-50/60C   | M2  | 27.587          | 28.189    | 29.070    | 28.363    | 28.106    |
| 9,1,24  | ENTRAMADO TEJA ZINC  | M2  | 53.235          | 54.853    | 56.803    | 55.287    | 54.538    |
| 9,1,25  | ESTRUCTURA ENRAMADO METAL C.F.TUB. 1"X1"   | M2  | 39.474          | 40.320    | 41.667    | 40.527    | 40.232    |
| 9,2   | <b>CUBIERTAS - TEJAS</b>   |     |                 |           |           |           |           |
| 9,2,1   | CABALLETE TEJA BARRO NORMAL  | ML  | 14.947          | 14.823    | 15.107    | 14.885    | 14.741    |
| 9,2,2   | CABALLETE TEJA BARRO PRENSADA  | ML  | 19.039          | 18.982    | 19.383    | 19.060    | 18.884    |
| 9,2,3   | LIMATESA TEJA BARRO NORMAL   | ML  | 15.001          | 14.880    | 15.165    | 14.942    | 14.797    |
| 9,2,4   | LIMATESA TEJA BARRO PRENSADA   | ML  | 19.039          | 18.982    | 19.383    | 19.060    | 18.884    |
| 9,2,5   | TEJA BARRO NORMAL  | M2  | 39.396          | 40.488    | 41.841    | 40.761    | 40.215    |
| 9,2,6   | TEJA BARRO PRENSADA  | M2  | 47.648          | 49.312    | 51.155    | 49.728    | 48.896    |
| 9,2,7   | CABALLETE TEJA AJOVER  | ML  | 42.558          | 43.970    | 45.562    | 44.323    | 43.617    |
| 9,2,8   | CABALLETE TEJA ALUMINIO COLOR  | ML  | 29.941          | 30.994    | 32.147    | 31.257    | 30.731    |
| 9,2,9   | CABALLETE TEJA ALUMINIO NATURAL  | ML  | 28.188          | 29.122    | 30.177    | 29.356    | 28.889    |
| 9,2,10  | CABALLETE TEJA ALUM-POLIURETANO  | ML  | 35.104          | 36.024    | 37.203    | 36.254    | 35.794    |
| 9,2,11  | CABALLETE TEJA UPVC  | ML  | 83.596          | 86.456    | 89.634    | 87.171    | 85.741    |
| 9,2,12  | CABALLETE TEJA TECHOLINE   | ML  | 31.883          | 32.868    | 34.021    | 33.114    | 32.621    |
| 9,2,13  | CONECTOR BASE+TAPA LAMINA POLICARBONATO  | ML  | 55.075          | 56.842    | 58.870    | 57.284    | 56.400    |
| 9,2,14  | CONECTOR H LAMINA POLICARBONATO A=4-6MM  | ML  | 29.388          | 30.291    | 31.351    | 30.517    | 30.066    |
| 9,2,15  | CONECTOR H LAMINA POLICARBONATO A=8-10MM   | ML  | 29.388          | 30.291    | 31.351    | 30.517    | 30.066    |
| 9,2,16  | LIMATESA TEJA AJOVER   | ML  | 30.358          | 31.282    | 32.372    | 31.513    | 31.051    |
| 9,2,17  | REMATE SUPERIOR CONTRA MURO TEJA AJOVER  | ML  | 55.558          | 57.596    | 59.787    | 58.106    | 57.087    |

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|   |  |  |  | ZONA 1          | ZONA 2 | ZONA 3 | ZONA 4 | ZONA 5 |

| ITEM                                   | DESCRIPCION                                     | UND | VR. UNIT | VR. UNIT | VR. UNIT | VR. UNIT | VR. UNIT |
|--|---|-----|----------|----------|----------|----------|----------|
| 9,2,18                                 | CUBIERTA EN TEJA AJOVER ONDULADA COLOR .27MM    | M2  | 45.488   | 46.964   | 48.648   | 47.333   | 46.595   |
| 9,2,19                                 | CUBIERTA EN TEJA AJOVER TRAPEZOIDAL COLOR .27MM | M2  | 46.181   | 47.685   | 49.397   | 48.061   | 47.309   |
| 9,2,20                                 | CUBIERTA EN TEJA GALVANIZADA TRAPEZOIDAL CAL.26 | M2  | 38.219   | 39.473   | 40.894   | 39.787   | 39.160   |
| 9,2,21                                 | CUBIERTA EN TEJA ZINC                           | M2  | 23.825   | 24.289   | 25.010   | 24.405   | 24.173   |
| 9,2,22                                 | CUBIERTA EN TEJA UPVC BLANCA 2.5MM              | M2  | 82.464   | 85.076   | 88.093   | 85.730   | 84.424   |
| 9,2,23                                 | CUBIERTA EN TEJA UPVC COLOR 2MM                 | M2  | 92.914   | 95.944   | 99.392   | 96.702   | 95.188   |
| 9,2,24                                 | CUBIERTA EN TEJA PLASTICA ONDULADA AJOVER       | M2  | 54.170   | 55.924   | 57.928   | 56.363   | 55.486   |
| 9,2,25                                 | CUBIERTA EN TEJA PLASTICA TRASLUCIDA            | M2  | 55.982   | 57.947   | 60.101   | 58.438   | 57.455   |
| 9,2,26                                 | CUBIERTA EN TEJA TECHOLINE                      | M2  | 57.894   | 59.523   | 61.529   | 59.930   | 59.116   |
| 9,2,27                                 | CUBIERTA EN TEJA POLICARBONATO TRAPEZOIDAL 82CM | M2  | 63.276   | 65.464   | 67.881   | 66.011   | 64.917   |
| 9,2,28                                 | CUBIERTA EN LAMINA POLICARBONATO ALVEOLAR 8MM   | M2  | 89.968   | 92.674   | 95.886   | 93.351   | 91.998   |
| 9,2,29                                 | CUBIERTA EN LAMINA POLICARBONATO ALVEOLAR 6MM   | M2  | 80.858   | 83.200   | 86.036   | 83.785   | 82.614   |
| 9,2,30                                 | CUBIERTA EN LAMINA POLICARBONATO ALVEOLAR 4MM   | M2  | 50.245   | 51.980   | 53.898   | 52.414   | 51.546   |
| <b>9,3 CANALES, BAJANTES Y REMATES</b> |   |     |          |          |          |          |          |
| 9,3,1                                  | BAJANTE LAMINA GALVANIZADA                      | ML  | 81.046   | 83.877   | 86.988   | 84.584   | 83.170   |
| 9,3,2                                  | CANAL LAMINA ALUMINIO                           | ML  | 74.890   | 77.587   | 80.517   | 78.272   | 76.947   |
| 9,3,3                                  | CANAL LAMINA GALVANIZADA CAL.22                 | ML  | 146.385  | 151.082  | 156.473  | 152.257  | 149.908  |
| 9,3,4                                  | CANAL LAMINA GALVANIZADA CAL.26                 | ML  | 97.158   | 100.162  | 103.677  | 100.913  | 99.412   |
| 9,3,5                                  | BAJANTE AGUAS LLUVIAS PVC CUADRADO CANAL        | ML  | 42.847   | 44.270   | 45.875   | 44.626   | 43.914   |
| 9,3,6                                  | CANAL AMAZONAS PVC AGUAS LLUVIAS                | ML  | 45.064   | 46.574   | 48.272   | 46.954   | 46.199   |
| 9,3,7                                  | CANAL RAINGO PVC AGUAS LLUVIAS                  | ML  | 32.108   | 33.102   | 34.263   | 33.350   | 32.853   |
| 9,3,8                                  | CODO BAJANTE 45 CANAL PVC                       | UND | 11.325   | 11.733   | 12.175   | 11.834   | 11.631   |
| 9,3,9                                  | CODO BAJANTE 90 CANAL PVC                       | UND | 13.325   | 13.813   | 14.337   | 13.934   | 13.691   |
| 9,3,10                                 | TAPA EXTERNA CANAL AMAZONAS PVC                 | UND | 12.529   | 12.953   | 13.429   | 13.059   | 12.847   |
| 9,3,11                                 | TAPA EXTERNA CANAL RAINGO PVC                   | UND | 9.940    | 10.260   | 10.629   | 10.340   | 10.180   |
| 9,3,12                                 | TAPA INTERNA CANAL AMAZONAS PVC                 | UND | 8.236    | 8.488    | 8.787    | 8.551    | 8.425    |
| 9,3,13                                 | TAPA INTERNA CANAL RAINGO PVC                   | UND | 7.940    | 8.180    | 8.466    | 8.240    | 8.120    |
| 9,3,14                                 | UNION BAJANTE CANAL AMAZONAS PVC                | UND | 28.579   | 29.645   | 30.782   | 29.912   | 29.379   |
| 9,3,15                                 | UNION BAJANTE CANAL RAINGO PVC                  | UND | 11.436   | 11.816   | 12.246   | 11.911   | 11.721   |
| 9,3,16                                 | UNION BAJANTE CUADRADO-TUBO 3" PVC"             | UND | 8.770    | 8.974    | 9.257    | 9.025    | 8.923    |
| 9,3,17                                 | UNION ESQUINA CANAL AMAZONAS PVC                | UND | 30.238   | 31.331   | 32.516   | 31.605   | 31.058   |
| 9,3,18                                 | UNION ESQUINA CANAL RAINGO PVC                  | UND | 16.841   | 17.321   | 17.911   | 17.441   | 17.201   |
| 9,3,19                                 | FLANCHE LAMINA ALUMINIO .7MM                    | ML  | 47.838   | 48.795   | 50.314   | 49.174   | 48.440   |
| 9,3,20                                 | SOLAPA LAMINA GALVANIZADA                       | ML  | 20.588   | 21.213   | 21.958   | 21.376   | 21.079   |
| 9,3,21                                 | SOLAPA LAMINA ALUMINIO COLOR .7MM               | ML  | 25.230   | 26.040   | 26.977   | 26.250   | 25.860   |
| 9,3,22                                 | BAJANTE AGUAS LLUVIAS PVC 3"                    | ML  | 17.031   | 17.540   | 18.147   | 17.668   | 17.413   |
| 9,3,23                                 | BAJANTE AGUAS LLUVIAS PVC 4                     | ML  | 29.762   | 30.629   | 31.676   | 30.847   | 30.413   |
| 9,3,24                                 | BAJANTE AGUAS LLUVIAS PVC 6                     | ML  | 58.811   | 60.723   | 62.902   | 61.201   | 60.245   |
| <b>10 INSTALACIONES SANITARIAS</b>     |   |     |          |          |          |          |          |
| 10,1                                   | <b>RED SANITARIA</b>                            |     |          |          |          |          |          |
| 10,1,1                                 | TUBERIA PVC 1,1/2 SANITARIA                     | ML  | 13.975   | 14.284   | 14.722   | 14.361   | 14.207   |
| 10,1,2                                 | TUBERIA PVC 1,1/2 VENTILACION                   | ML  | 10.534   | 10.812   | 11.167   | 10.881   | 10.743   |
| 10,1,3                                 | TUBERIA PVC 2 SANITARIA                         | ML  | 21.477   | 22.042   | 22.764   | 22.183   | 21.901   |
| 10,1,4                                 | TUBERIA PVC 2 VENTILACION                       | ML  | 17.076   | 17.465   | 18.006   | 17.563   | 17.368   |
| 10,1,5                                 | TUBERIA PVC 3 SANITARIA                         | ML  | 24.077   | 24.747   | 25.576   | 24.914   | 24.579   |
| 10,1,6                                 | TUBERIA PVC 3 VENTILACION                       | ML  | 17.031   | 17.540   | 18.147   | 17.668   | 17.413   |
| 10,1,7                                 | TUBERIA PVC 4 SANITARIA                         | ML  | 30.078   | 30.988   | 32.065   | 31.215   | 30.760   |
| 10,1,8                                 | TUBERIA PVC 4 VENTILACION                       | ML  | 28.294   | 29.162   | 30.181   | 29.379   | 28.945   |
| 10,1,18                                | BAJANTE AGUAS NEGRAS PVC 3"                     | ML  | 21.032   | 21.701   | 22.472   | 21.869   | 21.534   |
| 10,1,19                                | BAJANTE AGUAS NEGRAS PVC 4"                     | ML  | 29.108   | 29.949   | 30.970   | 30.159   | 29.739   |
| 10,1,20                                | TRAMPA GRASAS TANQUE 250 LT PLASTICO            | UND | 159.034  | 163.555  | 169.090  | 164.686  | 162.424  |

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| ITEM  | DESCRIPCION   | UND | VR. UNIT        | VR. UNIT  | VR. UNIT  | VR. UNIT  | VR. UNIT  |
| 10,1,21   | TANQUE SEPTICO INTEGRADO 1000LT PLASTICO AUTOPORTANTE | UND | 1.235.844       | 1.276.257 | 1.326.605 | 1.288.824 | 1.264.365 |
| 10,1,22   | SISTEMA SEPTICO INTEGRADO HORIZONTAL 4.000 LT         | UND | 5.463.870       | 5.672.246 | 5.891.723 | 5.724.339 | 5.620.152 |
| 10,2  | <b>PUNTOS SANITARIOS</b>                              |     |                 |           |           |           |           |
| 10,2,1  | PUNTO SANITARIO PVC 1,1/2                             | PTO | 24.388          | 24.997    | 25.799    | 25.149    | 24.844    |
| 10,2,2  | PUNTO SANITARIO PVC 2"                                | PTO | 40.084          | 40.953    | 42.199    | 41.171    | 40.736    |
| 10,2,3  | PUNTO SANITARIO PVC 2 [SIFON]                         | PTO | 60.542          | 61.570    | 63.292    | 61.827    | 61.313    |
| 10,2,4  | PUNTO SANITARIO PVC 3"                                | PTO | 54.742          | 55.757    | 57.362    | 56.012    | 55.504    |
| 10,2,5  | PUNTO SANITARIO PVC 3" [SIFON]                        | PTO | 68.742          | 70.098    | 72.157    | 70.437    | 69.759    |
| 10,2,6  | PUNTO SANITARIO PVC 4                                 | PTO | 74.790          | 76.314    | 78.583    | 76.695    | 75.933    |
| 10,2,7  | PUNTO SANITARIO PVC 4" [SIFON]                        | PTO | 80.856          | 82.916    | 85.598    | 83.432    | 82.401    |
| 10,2,8  | PUNTO SANITARIO PVC 6"                                | PTO | 227.255         | 234.437   | 242.743   | 236.232   | 232.641   |
| 10,2,9  | PUNTO SANITARIO PVC 6" [SIFON]                        | PTO | 300.073         | 309.727   | 320.789   | 312.141   | 307.314   |
| 10,3  | <b>CAJAS DE INSPECCION</b>                            |     |                 |           |           |           |           |
| 10,3,1  | CAJA INSPECCION 40x 40 CM [CONCRETO]                  | UND | 181.768         | 182.769   | 187.582   | 183.536   | 181.904   |
| 10,3,2  | CAJA INSPECCION 40x 40 CM [LADRILLO]                  | UND | 115.126         | 113.226   | 117.701   | 114.278   | 114.100   |
| 10,3,3  | CAJA INSPECCION 50x 50 CM [CONCRETO]                  | UND | 256.814         | 258.033   | 266.556   | 259.055   | 258.569   |
| 10,3,4  | CAJA INSPECCION 50x 50 CM [LADRILLO]                  | UND | 198.016         | 194.372   | 202.213   | 196.620   | 196.072   |
| 10,3,5  | CAJA INSPECCION 60x 60 CM [CONCRETO]                  | UND | 337.159         | 338.718   | 349.398   | 340.348   | 338.728   |
| 10,3,6  | CAJA INSPECCION 60x 60 CM [LADRILLO]                  | UND | 226.138         | 220.867   | 231.103   | 224.137   | 223.471   |
| 10,3,7  | CAJA INSPECCION 80x 80 CM [CONCRETO]                  | UND | 390.213         | 387.912   | 398.041   | 389.398   | 387.277   |
| 10,3,8  | CAJA INSPECCION 80x 80 CM [LADRILLO]                  | UND | 388.321         | 376.370   | 395.994   | 383.338   | 381.627   |
| 10,3,9  | CAJA INSPECCION 100x100 CM [LADRILLO]                 | UND | 468.928         | 458.013   | 482.902   | 465.990   | 465.206   |
| 10,3,10   | CAJA INSPECCION 100x100 CM [CONCRETO]                 | UND | 487.090         | 485.177   | 497.943   | 487.129   | 483.986   |
| 10,3,11   | CAJA INSPECCION 120x120 CM [CONCRETO]                 | UND | 758.673         | 754.690   | 775.376   | 757.724   | 753.640   |
| 10,3,12   | CAJA INSPECCION 120x120 CM [LADRILLO]                 | UND | 745.025         | 730.758   | 773.155   | 740.744   | 746.681   |
| 10,3,13   | CAJA DE PASO CONCRETO 50X50 CM                        | UND | 141.496         | 140.013   | 142.828   | 140.239   | 139.809   |
| 10,3,14   | CAJA DE PASO CONCRETO 70X70 CM                        | UND | 189.212         | 186.818   | 190.435   | 187.201   | 186.420   |
| 10,3,15   | CAJA DE PASO CONCRETO 80X80 CM                        | UND | 243.383         | 240.314   | 245.573   | 240.870   | 240.379   |
| 11  | <b>INSTALACIONES HIDRAULICAS</b>                      |     |                 |           |           |           |           |
| 11,1  | <b>RED HIDRAULICA</b>                                 |     |                 |           |           |           |           |
| 11,1,1  | ACOMETIDA PVC DE 1/2" X 5M                            | UND | 386.881         | 399.271   | 413.502   | 402.371   | 396.176   |
| 11,1,2  | ACOMETIDA PVC DE 3/4" X 5M                            | UND | 396.467         | 409.241   | 423.867   | 412.434   | 406.047   |
| 11,1,3  | TUBERIA CPVC ,1/2"                                    | ML  | 6.532           | 6.752     | 6.999     | 6.807     | 6.697     |
| 11,1,4  | TUBERIA CPVC ,3/4"                                    | ML  | 8.565           | 8.856     | 9.181     | 8.929     | 8.783     |
| 11,1,5  | TUBERIA PVC ,1/2"                                     | ML  | 5.924           | 6.119     | 6.341     | 6.169     | 6.071     |
| 11,1,6  | TUBERIA PVC ,3/4"                                     | ML  | 7.450           | 7.707     | 7.991     | 7.771     | 7.643     |
| 11,1,7  | TUBERIA PVC 1 RDE 21 - 200 PSI                        | ML  | 9.633           | 9.978     | 10.351    | 10.064    | 9.892     |
| 11,1,8  | TUBERIA PVC 1,1/2"                                    | ML  | 14.999          | 15.537    | 16.120    | 15.672    | 15.403    |
| 11,1,9  | TUBERIA PVC 2 RDE 21-200 PSI                          | ML  | 23.556          | 24.416    | 25.341    | 24.631    | 24.201    |
| 11,1,10   | TUBERIA PVC 2,1/2"                                    | ML  | 34.931          | 36.225    | 37.607    | 36.549    | 35.902    |
| 11,1,11   | TUBERIA PVC 3"  | ML  | 48.327          | 50.034    | 51.900    | 50.461    | 49.608    |
| 11,1,12   | TUBERIA GALV. DE 1/2"                                 | ML  | 10.264          | 10.675    | 11.098    | 10.778    | 10.572    |
| 11,1,13   | TUBERIA GALV. DE 1/4"                                 | ML  | 7.000           | 7.280     | 7.568     | 7.350     | 7.210     |
| 11,1,14   | TUBERIA GALV. DE 3/4"                                 | ML  | 13.499          | 14.039    | 14.595    | 14.174    | 13.904    |
| 11,1,15   | TUBERIA GALV. DE 1"                                   | ML  | 21.080          | 21.923    | 22.792    | 22.134    | 21.712    |
| 11,1,16   | TUBERIA GALV. DE 1 1/2"                               | ML  | 33.286          | 34.617    | 35.989    | 34.950    | 34.285    |
| 11,1,17   | TUBERIA GALV. DE 2"                                   | ML  | 45.866          | 47.701    | 49.590    | 48.159    | 47.242    |
| 11,1,18   | TUBERIA GALV. DE 2 1/2"                               | ML  | 63.444          | 65.982    | 68.596    | 66.616    | 65.347    |
| 11,1,19   | TUBERIA GALV. DE 3"                                   | ML  | 78.013          | 81.134    | 84.348    | 81.914    | 80.353    |
| 11,2  | <b>PUNTOS HIDROSANITARIOS</b>                         |     |                 |           |           |           |           |
| 11,2,1  | PUNTO AGUA CALIENTE DE 1/2"                           | PTO | 56.502          | 57.734    | 59.493    | 58.042    | 57.426    |
| 11,2,2  | PUNTO AGUA FRIA DE 1/2"                               | PTO | 42.585          | 43.260    | 44.446    | 43.431    | 43.093    |
| 11,2,3  | PUNTO AGUA FRIA DE 3/4"                               | PTO | 47.458          | 48.173    | 49.474    | 48.353    | 47.995    |
| 11,2,4  | PUNTO AGUA FRIA DE 1"                                 | PTO | 47.787          | 48.465    | 49.752    | 48.635    | 48.297    |

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| ITEM  | DESCRIPCION   | UND | VR. UNIT        | VR. UNIT   | VR. UNIT   | VR. UNIT   | VR. UNIT   |
| 11,2,5  | PUNTO AGUA FRIA PVC DE 1 1/2"                       | PTO | 106.241         | 108.948    | 112.472    | 109.627    | 108.272    |
| 11,2,6  | PUNTO AGUA FRIA GALVANIZADA DE 3/4"                 | PTO | 52.342          | 53.253     | 54.756     | 53.481     | 53.025     |
| 11,3  | <b>VALVULAS - LLAVES - CHEQUES</b>                  |     |                 |            |            |            |            |
| 11,3,1  | VALVULA CHEQUE HORIZONTAL 1/2" X 125 PSI            | UND | 91.712          | 95.072     | 98.680     | 95.912     | 94.232     |
| 11,3,2  | VALVULA CHEQUE HORIZONTAL 3/4" X 125 PSI            | UND | 134.082         | 139.034    | 144.331    | 140.272    | 137.796    |
| 11,3,3  | VALVULA CHEQUE HORIZONTAL 1" X 125 PSI              | UND | 199.015         | 206.095    | 213.807    | 207.865    | 204.325    |
| 11,3,4  | VALVULA CHEQUE HORIZONTAL 1 1/2" X 125 PSI          | UND | 340.684         | 353.284    | 366.751    | 356.434    | 350.134    |
| 11,3,5  | VALVULA CHEQUE HORIZONTAL 2" X 125 PSI              | UND | 457.753         | 474.889    | 493.098    | 479.173    | 470.605    |
| 11,3,6  | VALVULA CHEQUE HORIZONTAL 3" X 125 PSI              | UND | 559.156         | 580.494    | 602.962    | 585.829    | 575.160    |
| 11,3,7  | VALVULA CHEQUE VERTICAL 1/2" X 125 PSI              | UND | 69.088          | 71.543     | 74.219     | 72.157     | 70.929     |
| 11,3,8  | VALVULA CHEQUE VERTICAL 3/4" X 125 PSI              | UND | 88.458          | 91.585     | 95.002     | 92.367     | 90.804     |
| 11,3,9  | VALVULA CHEQUE VERTICAL 1" X 125 PSI                | UND | 149.975         | 155.358    | 161.196    | 156.703    | 154.012    |
| 11,3,10   | VALVULA CHEQUE VERTICAL 1 1/2" X 125 PSI            | UND | 278.722         | 289.151    | 300.236    | 291.758    | 286.544    |
| 11,3,11   | VALVULA CHEQUE VERTICAL 2" X 125 PSI                | UND | 368.439         | 382.251    | 396.919    | 385.704    | 378.798    |
| 11,3,12   | VALVULA CORTINA O COMPUERTA METALICA LIVIANO 1/2"   | UND | 47.576          | 48.904     | 50.546     | 49.236     | 48.572     |
| 11,3,13   | VALVULA CORTINA O COMPUERTA METALICA LIVIANO 3/4"   | UND | 54.676          | 56.288     | 58.222     | 56.691     | 55.885     |
| 11,3,14   | VALVULA CORTINA O COMPUERTA METALICA LIVIANO 1"     | UND | 72.576          | 74.904     | 77.577     | 75.486     | 74.322     |
| 11,3,15   | VALVULA CORTINA O COMPUERTA METALICA LIVIANO 1 1/4" | UND | 91.176          | 94.248     | 97.686     | 95.016     | 93.480     |
| 11,3,16   | VALVULA CORTINA O COMPUERTA RED WHITE 1/2"          | UND | 85.576          | 88.424     | 91.632     | 89.136     | 87.712     |
| 11,3,17   | VALVULA CORTINA O COMPUERTA RED WHITE 3/4"          | UND | 104.576         | 108.184    | 112.174    | 109.086    | 107.282    |
| 11,3,18   | VALVULA CORTINA O COMPUERTA RED WHITE 1"            | UND | 145.576         | 150.824    | 156.504    | 152.136    | 149.512    |
| 11,3,19   | VALVULA CORTINA O COMPUERTA RED WHITE 1 1/4"        | UND | 193.176         | 200.328    | 207.968    | 202.116    | 198.540    |
| 11,3,20   | VALVULA CORTINA O COMPUERTA RED WHITE 1 1/2"        | UND | 254.576         | 264.184    | 274.354    | 266.586    | 261.782    |
| 11,3,21   | VALVULA CIERRE RAPIDO PVC TIPO PESADO 1/2"          | UND | 16.701          | 17.246     | 17.866     | 17.382     | 17.109     |
| 11,3,22   | VALVULA CIERRE RAPIDO PVC TIPO PESADO 3/4"          | UND | 44.124          | 45.272     | 46.748     | 45.559     | 44.985     |
| 11,3,23   | VALVULA CIERRE RAPIDO PVC TIPO PESADO 1"            | UND | 46.897          | 48.413     | 50.147     | 48.792     | 48.034     |
| 11,3,24   | VALVULA CIERRE RAPIDO PVC TIPO PESADO 2"            | UND | 117.633         | 122.081    | 126.785    | 123.194    | 120.970    |
| 11,3,25   | VALVULA CIERRE RAPIDO METALICA 1/2"                 | UND | 40.085          | 41.565     | 43.149     | 41.935     | 41.195     |
| 11,3,26   | VALVULA CIERRE RAPIDO METALICA 3/4"                 | UND | 65.224          | 67.216     | 69.561     | 67.714     | 66.718     |
| 11,3,27   | VALVULA CIERRE RAPIDO METALICA 1"                   | UND | 97.897          | 101.453    | 105.288    | 102.342    | 100.564    |
| 11,3,28   | VALVULA CIERRE RAPIDO METALICA 1 1/2"               | UND | 147.327         | 152.963    | 158.890    | 154.372    | 151.554    |
| 11,3,29   | VALVULA CIERRE RAPIDO PVC UNIVERSAL 1/2"            | UND | 46.585          | 48.325     | 50.177     | 48.760     | 47.890     |
| 11,3,30   | VALVULA CIERRE RAPIDO PVC UNIVERSAL 3/4"            | UND | 66.224          | 68.256     | 70.642     | 68.764     | 67.748     |
| 11,3,31   | VALVULA CIERRE RAPIDO PVC UNIVERSAL 1"              | UND | 80.997          | 83.877     | 87.016     | 84.597     | 83.157     |
| 11,3,32   | VALVULA CIERRE RAPIDO PVC UNIVERSAL 2"              | UND | 184.827         | 191.963    | 199.435    | 193.747    | 190.179    |
| 11,4  | <b>TANQUES ELEVADOS</b>                             |     |                 |            |            |            |            |
| 11,4,1  | TANQUE AGUA 500 LTS EN PLASTICO                     | UND | 665.877         | 687.367    | 711.961    | 692.750    | 682.006    |
| 11,4,2  | TANQUE AGUA 1000 LTS PLASTICO-COMPLETO              | UND | 835.842         | 864.135    | 895.723    | 871.212    | 857.066    |
| 11,4,3  | TANQUE AGUA 2000 LTS EN PLASTICO                    | UND | 1.042.062       | 1.078.604  | 1.118.688  | 1.087.743  | 1.069.473  |
| 11,4,4  | TANQUE AGUA 5000 LTS EN PLASTICO                    | UND | 1.886.882       | 1.956.482  | 2.031.110  | 1.973.882  | 1.939.082  |
| 11,4,5  | TANQUE AGUA 10.000 LTS PLASTICO                     | UND | 4.570.915       | 4.749.605  | 4.935.724  | 4.794.279  | 4.704.939  |
| 11,5  | <b>EQUIPOS DE BOMBEO</b>                            |     |                 |            |            |            |            |
| 11,5,1  | ELETROBOMBA CENTRIFUGA 100HP                        | UND | 47.141.384      | 49.021.384 | 50.960.479 | 49.491.384 | 48.551.384 |
| 11,5,2  | ELETROBOMBA CENTRIFUGA 60HP                         | UND | 25.128.531      | 26.128.531 | 27.160.981 | 26.378.531 | 25.878.531 |
| 11,5,3  | ELETROBOMBA CENTRIFUGA 50HP                         | UND | 23.115.677      | 24.035.677 | 24.985.482 | 24.265.677 | 23.805.677 |
| 11,5,4  | ELETROBOMBA CENTRIFUGA 35HP                         | UND | 14.102.824      | 14.662.824 | 15.241.584 | 14.802.824 | 14.522.824 |
| 11,5,5  | ELETROBOMBA CENTRIFUGA 30HP                         | UND | 10.102.824      | 10.502.824 | 10.916.784 | 10.602.824 | 10.402.824 |
| 11,5,6  | ELETROBOMBA CENTRIFUGA 25HP                         | UND | 8.802.824       | 9.150.824  | 9.511.224  | 9.237.824  | 9.063.824  |
| 11,5,7  | ELETROBOMBA CENTRIFUGA 20HP                         | UND | 8.502.824       | 8.838.824  | 9.186.864  | 8.922.824  | 8.754.824  |
| 11,5,8  | ELETROBOMBA CENTRIFUGA 15HP                         | UND | 7.102.824       | 7.382.824  | 7.673.184  | 7.452.824  | 7.312.824  |
| 11,5,9  | ELETROBOMBA CENTRIFUGA 5HP                          | UND | 4.002.824       | 4.158.824  | 4.321.464  | 4.197.824  | 4.119.824  |
| 11,5,10   | ELECTROBOMBA SUMERGIBLE LAPICERO 40 HP 6" A.INOX    | UND | 23.269.571      | 24.190.471 | 25.143.706 | 24.420.696 | 23.960.246 |

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|   |   |     | ZONA 1          | ZONA 2     | ZONA 3     | ZONA 4     | ZONA 5     |
| ITEM  | DESCRIPCION   | UND | VR. UNIT        | VR. UNIT   | VR. UNIT   | VR. UNIT   | VR. UNIT   |
| 11,5,11   | ELECTROBOMBA SUMERGIBLE LAPICERO 30 HP 6" A.INOX  | UND | 18.352.637      | 19.077.537 | 19.828.569 | 19.258.762 | 18.896.312 |
| 11,5,12   | ELECTROBOMBA SUMERGIBLE LAPICERO 25 HP 6" A.INOX  | UND | 17.874.571      | 18.579.671 | 19.310.632 | 18.755.946 | 18.403.396 |
| 11,5,13   | ELECTROBOMBA SUMERGIBLE LAPICERO 20 HP 6" A.INOX  | UND | 16.488.512      | 17.139.712 | 17.814.421 | 17.302.512 | 16.976.912 |
| 11,5,14   | ELECTROBOMBA SUMERGIBLE LAPICERO 15 HP 6" A.INOX  | UND | 14.494.290      | 15.067.590 | 15.661.172 | 15.210.915 | 14.924.265 |
| 11,5,15   | ELECTROBOMBA SUMERGIBLE LAPICERO 3.0 HP   | UND | 4.175.281       | 4.338.881  | 4.509.014  | 4.379.781  | 4.297.981  |
| 11,5,16   | ELECTROBOMBA SUMERGIBLE LAPICERO 1.0 HP   | UND | 2.561.790       | 2.657.790  | 2.759.753  | 2.681.790  | 2.633.790  |
| 11,6  | <b>INSTALACIONES CONTRA INCENDIO - RED A. CARBON</b>  |     |                 |            |            |            |            |
| 11,6,1  | TUBERIA ACERO CARBON D=1/2 SCH-40   | ML  | 24.111          | 24.804     | 25.647     | 24.978     | 24.631     |
| 11,6,2  | TUBERIA ACERO CARBON D=3/4 SCH-40   | ML  | 26.280          | 27.060     | 27.993     | 27.255     | 26.865     |
| 11,6,3  | TUBERIA ACERO CARBON D=1 SCH-40   | ML  | 30.517          | 31.467     | 32.573     | 31.704     | 31.229     |
| 11,6,4  | TUBERIA ACERO CARBON D=1,1/2 SCH-40   | ML  | 39.229          | 40.504     | 41.958     | 40.823     | 40.186     |
| 11,6,5  | TUBERIA ACERO CARBON D=2 SCH-40   | ML  | 54.097          | 55.894     | 57.919     | 56.343     | 55.445     |
| 11,6,6  | TUBERIA ACERO CARBON D=2,1/2 SCH-40   | ML  | 85.159          | 87.832     | 90.935     | 88.500     | 87.164     |
| 11,6,7  | TUBERIA ACERO CARBON D=3"   | ML  | 113.641         | 117.350    | 121.569    | 118.277    | 116.423    |
| 11,6,8  | TUBERIA ACERO CARBON D=4"   | ML  | 150.978         | 156.086    | 161.791    | 157.363    | 154.809    |
| 11,6,9  | TUBERIA ACERO CARBON D=6"   | ML  | 243.683         | 252.322    | 261.749    | 254.482    | 250.162    |
| 11,6,10   | TUBERIA ACERO CARBON D=8"   | ML  | 353.040         | 365.980    | 379.871    | 369.215    | 362.745    |
| 11,6,11   | ANCLAJE - SOPORTE TUBERIA 1,1/2"x1/8"   | UND | 37.121          | 38.067     | 39.301     | 38.304     | 37.831     |
| 11,6,12   | DETECTOR DE HUMO  | UND | 62.427          | 64.667     | 67.096     | 65.227     | 64.107     |
| 11,6,13   | MANOMETRO GLICERINA DE 0-200 PSI  | UND | 63.577          | 65.863     | 68.340     | 66.434     | 65.291     |
| 11,6,14   | SENSOR DE FLUJO AGUA  | UND | 721.848         | 749.694    | 778.865    | 756.655    | 742.732    |
| 11,6,15   | SIAMESA 4x2,1/2x2,1/2   | UND | 1.288.559       | 1.338.559  | 1.390.794  | 1.351.059  | 1.326.059  |
| 11,6,16   | SISTEMA DRENAJE TUBERIA SENSORES  | UND | 1.379.956       | 1.426.568  | 1.478.672  | 1.438.221  | 1.414.916  |
| 11,6,17   | SPRINKLER ROSCADO TIPO K D=1/2" MOD.EST.  | UND | 91.842          | 95.105     | 98.660     | 95.920     | 94.289     |
| 11,6,18   | DETECTOR DE HUMO  | UND | 62.427          | 64.667     | 67.096     | 65.227     | 64.107     |
| 11,6,19   | GABINETE CONTRA INCENDIO SIN ACCESORIOS   | UND | 261.515         | 271.515    | 282.046    | 274.015    | 269.015    |
| 11,6,20   | GABINETE INCENDIO CLASE I   | UND | 1.306.399       | 1.356.399  | 1.408.973  | 1.368.899  | 1.343.899  |
| 11,6,21   | GABINETE INCENDIO CLASE II  | UND | 1.406.399       | 1.460.399  | 1.517.093  | 1.473.899  | 1.446.899  |
| 11,6,22   | GABINETE INCENDIO CLASE III   | UND | 1.706.399       | 1.772.399  | 1.841.453  | 1.788.899  | 1.755.899  |
| <b>12</b>   | <b>PISOS</b>  |     |                 |            |            |            |            |
| 12,1  | <b>BASES Y PLACAS</b>   |     |                 |            |            |            |            |
| 12,1,1  | ALISTADO PISO E=4CM   | M2  | 24.181          | 23.614     | 23.901     | 23.735     | 23.478     |
| 12,1,2  | ALISTADO PISO E=6CM   | M2  | 29.897          | 29.014     | 29.305     | 29.189     | 28.818     |
| 12,1,3  | ALISTADO PISO ESMALTADO E=3CM   | M2  | 20.322          | 19.876     | 20.124     | 19.971     | 19.775     |
| 12,1,4  | ALISTADO PISO IMPERMEABLE E=4CM   | M2  | 32.321          | 32.079     | 32.702     | 32.282     | 31.862     |
| 12,1,5  | ALISTADO PISO NIVELADOR (1 CAPA)  | M2  | 4.750           | 4.745      | 4.843      | 4.765      | 4.737      |
| 12,1,6  | BASE CONCRETO MUEBLE  | ML  | 33.435          | 32.629     | 34.920     | 33.435     | 33.315     |
| 12,1,7  | CONTRAPISO CONCRETO 2500PSI E= 6CM  | M2  | 34.815          | 34.551     | 35.324     | 34.666     | 34.353     |
| 12,1,8  | CONTRAPISO CONCRETO 2500PSI E= 8CM  | M2  | 40.480          | 40.053     | 40.928     | 40.186     | 39.804     |
| 12,1,9  | CONTRAPISO CONCRETO 2500PSI E=10CM  | M2  | 50.984          | 50.393     | 51.463     | 50.545     | 50.094     |
| 12,1,10   | CONTRAPISO CONCRETO 2500PSI E=15CM  | M2  | 66.059          | 64.999     | 66.307     | 65.182     | 64.589     |
| 12,1,11   | CONTRAPISO CONCRETO 3000PSI E= 6CM  | M2  | 36.506          | 36.078     | 36.822     | 36.250     | 35.879     |
| 12,1,12   | CONTRAPISO CONCRETO 3000PSI E= 8CM  | M2  | 44.187          | 43.541     | 44.404     | 43.749     | 43.291     |
| 12,1,13   | CONTRAPISO CONCRETO 3000PSI E=10CM  | M2  | 55.618          | 54.753     | 55.808     | 54.999     | 54.452     |
| 12,1,14   | CONTRAPISO CONCRETO 3000PSI E=15CM  | M2  | 73.010          | 71.539     | 72.825     | 71.863     | 71.125     |
| 12,1,15   | CONTRAPISO CONCRETO 3000PSI E=20CM  | M2  | 97.129          | 95.322     | 97.117     | 95.791     | 94.728     |
|   | <b>Nota: Para las actividades de SARDINELES - BORDILLOS - ZONAS DURAS (Canchas múltiples, plazas, plazoletas y zonas duras) y pisos exteriores como ADOQUINES, TABLETAS y BALDOSAS PREPULIDAS ANTIDESLIZANTES, remitirse al CAPITULO 6. SARDINELES, ANDENES Y ZONAS DURAS del listado de OBRAS DE URBANISMO</b> |     |                 |            |            |            |            |
| 12,2  | <b>PISOS - ACABADOS</b>   |     |                 |            |            |            |            |

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|   |   |     | ZONA 1          | ZONA 2   | ZONA 3   | ZONA 4   | ZONA 5   |
| ITEM  | DESCRIPCION   | UND | VR. UNIT        | VR. UNIT | VR. UNIT | VR. UNIT | VR. UNIT |
| 12,2,1  | CERAMICA PISO PARED 20X20 ESTANDAR  | M2  | 55.063          | 56.493   | 58.353   | 56.851   | 56.136   |
| 12,2,2  | CERAMICA PISO PARED 20X20 ESTANDAR (ML)   | ML  | 41.132          | 42.036   | 43.323   | 42.262   | 41.810   |
| 12,2,3  | CERAMICA PISO FORMATO MEDIO <= 60CM VR MEDIO  | M2  | 65.208          | 67.067   | 69.356   | 67.531   | 66.602   |
| 12,2,4  | CERAMICA PISO FORMATO MEDIO <= 60CM VR MEDIO (ML)   | ML  | 46.848          | 47.972   | 49.505   | 48.253   | 47.691   |
| 12,2,5  | CERAMICA PISO FORMATO GRANDE > 60CM VR MEDIO (ML)   | M2  | 92.431          | 95.055   | 98.818   | 95.868   | 93.949   |
| 12,2,6  | CERAMICA PISO FORMATO GRANDE > 60CM VR MEDIO (ML)   | ML  | 53.848          | 55.252   | 57.073   | 55.603   | 54.901   |
| 12,2,7  | PORCELANATO FORMATO MEDIO < o = 60CM PRIMERA CALIDAD  | M2  | 78.324          | 80.634   | 83.415   | 81.211   | 80.056   |
| 12,2,8  | PORCELANATO FORMATO GRANDE > 60CM PRIMERA CALIDAD   | M2  | 103.574         | 106.894  | 110.716  | 107.724  | 106.064  |
| 12,2,9  | TABLETA GRESS 10X20 CORRIENTE   | M2  | 56.925          | 57.490   | 58.998   | 57.841   | 57.131   |
| 12,2,10   | TABLETA GRESS 20X20 CORRIENTE   | M2  | 58.119          | 59.556   | 61.464   | 59.920   | 59.195   |
| 12,2,11   | TABLON GRESS 15x15 CORRIENTE  | M2  | 54.350          | 54.812   | 56.214   | 55.137   | 54.479   |
| 12,2,12   | TABLON GRESS 15X15 CORRIENTE DILATAC.MORTERO 1-2CM  | M2  | 56.778          | 57.041   | 58.409   | 57.320   | 56.740   |
| 12,2,13   | TABLON GRESS 15x15 CORRIENTE DILATAC.GRAVA 3-5CM  | M2  | 51.061          | 50.878   | 52.000   | 51.090   | 50.648   |
| 12,2,14   | TABLON GRESS 25x25 CORRIENTE GRAFILADO  | M2  | 56.303          | 56.789   | 58.258   | 57.096   | 56.461   |
| 12,2,15   | TABLON GRESS 33x33 RUSTICO DILATAC.GRAVA 3-5CM  | M2  | 57.800          | 58.042   | 59.451   | 58.322   | 57.740   |
| 12,2,16   | TABLON GRESS 33x33 RUSTICO DILATAC.MORTERO 1-2CM  | M2  | 59.078          | 59.433   | 60.896   | 59.735   | 59.109   |
| 12,2,17   | TABLETA GRESS 20-30X20-30 LISA TIPO ALFA O SIMILAR  | M2  | 80.366          | 82.520   | 85.220   | 82.900   | 81.811   |
| 12,2,18   | PELDANO GRESS ESCALGRESS 30X30  | ML  | 67.708          | 68.614   | 70.527   | 68.992   | 68.200   |
| 12,2,19   | PELDANO GRESS ESCALGRESS 17X20  | ML  | 68.060          | 68.980   | 70.908   | 69.362   | 68.563   |
| 12,2,20   | BALDOSA GRANO # 4-5 30-35X30-35 TIPO ALFA   | M2  | 126.052         | 128.769  | 133.567  | 129.917  | 127.168  |
| 12,2,21   | GRANITO PULIDO  | M2  | 103.909         | 105.166  | 111.673  | 106.678  | 101.228  |
| 12,2,22   | CENEFA GRANITO PULIDO   | ML  | 46.683          | 47.046   | 50.053   | 47.736   | 45.144   |
| 12,2,23   | GRAVA LAVADA  | M2  | 50.503          | 50.271   | 51.232   | 50.382   | 50.164   |
| 12,2,24   | CENEFA GRAVA LAVADA <= 25CMS  | ML  | 13.027          | 13.191   | 13.536   | 13.241   | 13.142   |
| 12,2,25   | PISO EN CAUCHO TIPO TOPEROL CONVENCIONAL  | M2  | 40.835          | 42.338   | 43.948   | 42.714   | 41.962   |
| 12,2,26   | PISO EN VINILO BALDOSA DISENO ESTANDAR E=<2.00MM  | M2  | 47.676          | 49.447   | 51.336   | 49.890   | 49.005   |
| 12,2,27   | PISO EN VINILO BALDOSA DISENO ESTANDAR E=2.00-2.50MM  | M2  | 56.856          | 58.995   | 61.262   | 59.529   | 58.460   |
| 12,2,28   | PISO EN VINILO BALDOSA DISENO ESTANDAR E>2.50MM   | M2  | 70.116          | 72.785   | 75.599   | 73.452   | 72.118   |
| 12,2,29   | PISO EN VINILO ROLLO E=2.00-3.00MM TRAFICO MEDIO/ALTO - USO ESTANDAR  | M2  | 91.812          | 95.125   | 98.709   | 95.953   | 94.297   |
| 12,2,30   | PISO EN VINILO ROLLO E=2.00-3.00MM DE ALTA RESISTENCIA - TRAFICO PESADO - USO COMERCIAL-INSTITUCIONAL-SALUD | M2  | 186.812         | 193.925  | 201.423  | 195.703  | 192.147  |
| 12,2,31   | PISO MADERA LAMINADA ESTANDAR   | M2  | 61.345          | 63.218   | 65.424   | 63.687   | 62.750   |
| 12,2,32   | ENTRAMADO CUARTON 2X4 MADERA  | M2  | 36.580          | 37.776   | 39.156   | 38.098   | 37.545   |
| 12,2,33   | ENTRAMADO LISTON 2X3 MADERA C/50-60CM   | M2  | 30.424          | 31.406   | 32.551   | 31.674   | 31.228   |
| 12,2,34   | PISO LAMINA TRIPLEX 18MM  | M2  | 142.627         | 146.699  | 151.669  | 147.717  | 145.681  |
| 12,2,35   | PISO DECK MADERA WPC E=2MM INCL. ENTRAMADO LISTON DE 2X2 ACABADO ESTANDAR                                   | M2  | 279.375         | 289.679  | 300.706  | 292.255  | 287.103  |
| 12,2,36   | PISO DECK MADERA WPC E=2MM INCL. ENTRAMADO LISTON DE 2X2 Y ACABADO MADERA                                   | M2  | 364.375         | 378.079  | 392.608  | 381.505  | 374.653  |
| 12,2,37   | PISO ANTIDESLIZANTE PARA PISCINA - BAJA RETENCION DE CALOR Y ACABADO PIEDRA NATURAL CALIZA                  | M2  | 144.792         | 149.589  | 155.009  | 150.788  | 148.390  |
| 12,3  | <b>GUARDAESCOBAS</b>  |     |                 |          |          |          |          |
| 12,3,1  | GUARDAESCOBA EN CERAMICA 7X30CM   | ML  | 13.599          | 13.983   | 14.458   | 14.080   | 13.888   |
| 12,3,2  | GUARDAESCOBA PORCELANATO 7X30CM   | ML  | 15.964          | 16.443   | 17.015   | 16.563   | 16.324   |
| 12,3,3  | GUARDAESCOBA GRESS H= 7CM   | ML  | 16.779          | 17.149   | 17.674   | 17.245   | 17.055   |
| 12,3,4  | GUARDAESCOBA TABLON   | ML  | 10.827          | 10.942   | 11.215   | 10.977   | 10.906   |
| 12,3,5  | GUARDAESCOBA GRAVA LAVADA   | ML  | 18.042          | 17.970   | 18.320   | 17.997   | 17.947   |

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|   |   |     | ZONA 1          | ZONA 2   | ZONA 3   | ZONA 4   | ZONA 5   |
| ITEM  | DESCRIPCION   | UND | VR. UNIT        | VR. UNIT | VR. UNIT | VR. UNIT | VR. UNIT |
| 12,3,6  | GUARDAESCOBA GRANITO PREFABRICADO   | ML  | 24.179          | 24.934   | 25.880   | 25.141   | 24.688   |
| 12,3,7  | GUARDAESCOBA GRANITO 1/2 C + DIL. BRONCE  | ML  | 45.417          | 46.223   | 48.369   | 46.628   | 45.236   |
| 12,3,8  | GUARDAESCOBA VINISOL O PVC FLEXIBLE DE 10CM   | ML  | 13.968          | 14.407   | 14.916   | 14.516   | 14.297   |
| 12,3,9  | GUARDAESCOBA VINISOL O PVC FLEXIBLE DE 8CM  | ML  | 8.865           | 9.099    | 9.398    | 9.158    | 9.041    |
| 12,3,10   | GUARDAESCOBA CEDRO 8CM  | ML  | 16.617          | 17.067   | 17.632   | 17.179   | 16.954   |
| 12,3,11   | GUARDAESCOBA CEMENTO + PINTURA  | ML  | 12.821          | 13.126   | 13.540   | 13.205   | 13.049   |
| <b>13 ESTRUCTURAS LIVIANAS</b>                                  |   |     |                 |          |          |          |          |
| 13,1  | <b>MUROS</b>  |     |                 |          |          |          |          |
| 13,1,1  | MURO DRYWALL E=9CM DOBLE CARA - ESTRUCT. BASE 6 CAL 20 (0.38MM)                     | M2  | 69.044          | 70.813   | 73.098   | 71.280   | 70.395   |
| 13,1,2  | MURO DRYWALL E=9CM RH DOBLE CARA - ESTRUCT. BASE 6 CAL 20 (0.38MM)                  | M2  | 91.250          | 93.908   | 97.107   | 94.596   | 93.267   |
| 13,1,3  | MURO DRYWALL 1 CARA- ESTRUCT. BASE 6 CAL 20 (0.38MM)                                | M2  | 49.274          | 50.447   | 52.026   | 50.758   | 50.172   |
| 13,1,4  | MURO DRYWALL E=12CM DOBLE CARA - ESTRUCT. BASE 9 CAL 20 (0.38MM)                    | M2  | 74.802          | 76.703   | 79.170   | 77.202   | 76.252   |
| 13,1,5  | MURO DRYWALL E=12CM RH DOBLE CARA - ESTRUCT. BASE 9 CAL 20 (0.38MM)                 | M2  | 96.717          | 99.494   | 102.864  | 100.213  | 98.824   |
| 13,1,6  | MURO DRYWALL 1 CARA - ESTRUCT. BASE 9 CAL 20 (0.38MM)                               | M2  | 55.129          | 56.436   | 58.202   | 56.781   | 56.127   |
| 13,1,7  | MURO SUPERBOARD E=12CM DOBLE CARA - LAMINA 8MM - ESTRUCTURA BASE 9 CAL 17 (0.53MM)  | M2  | 121.137         | 124.890  | 129.266  | 125.853  | 123.976  |
| 13,1,8  | MURO SUPERBOARD E=12CM DOBLE CARA - LAMINA 10MM - ESTRUCTURA BASE 9 CAL 17 (0.53MM) | M2  | 128.909         | 132.973  | 137.670  | 134.013  | 131.981  |
| 13,1,9  | MURO CARTERA SUPERBOARD 8 MM  | ML  | 34.748          | 35.488   | 36.557   | 35.679   | 35.309   |
| 13,1,10   | MURO CARTERA SUPERBOARD 10 MM   | ML  | 36.891          | 37.709   | 38.862   | 37.919   | 37.510   |
| 13,1,11   | DINTEL BOARD 8MM A=10-25CM [3 CARAS]  | ML  | 40.839          | 41.844   | 43.176   | 42.101   | 41.598   |
| 13,1,12   | DINTEL BOARD 8MM A=26-50CM [3 CARAS]  | ML  | 69.184          | 71.177   | 73.595   | 71.685   | 70.688   |
| 13,1,13   | DINTEL BOARD 10MM A=10-25CM [3 CARAS]   | ML  | 43.884          | 45.010   | 46.468   | 45.298   | 44.735   |
| 13,1,14   | DINTEL BOARD 10MM A=26-50CM [3 CARAS]   | ML  | 75.274          | 77.511   | 80.180   | 78.079   | 76.961   |
| 13,2  | <b>CIELORASOS</b>   |     |                 |          |          |          |          |
| 13,2,1  | C.F.PANEL YESO 12.7MM S.JUNTA+VINILO  | M2  | 44.518          | 45.640   | 47.119   | 45.924   | 45.356   |
| 13,2,2  | C.F.PANEL YESO 12.7MM S.JUNTA+VINILO RH   | M2  | 53.011          | 54.494   | 56.335   | 54.867   | 54.120   |
| 13,2,3  | C.F.PANEL YESO 3/8 S.JUNTA+VINILO   | M2  | 46.461          | 47.663   | 49.213   | 47.964   | 47.363   |
| 13,2,4  | C.F.PANEL BOARD 6.0MM S.JUNTA+VINILO  | M2  | 56.560          | 58.182   | 60.164   | 58.595   | 57.799   |
| 13,2,5  | C.F.PANEL BOARD 8MM S.JUNTA+VINILO  | M2  | 60.740          | 62.634   | 64.892   | 63.168   | 62.341   |
| 13,2,6  | C.F.[FV] DURACUSTIC 5/8"  | M2  | 76.770          | 79.186   | 81.989   | 79.793   | 78.585   |
| 13,2,7  | C.F.[FV] SONOCOR  | M2  | 42.461          | 43.614   | 45.062   | 43.905   | 43.328   |
| 13,2,8  | C.F.ICOPOR TEXTURIZADO 1CM - PERLITA  | M2  | 40.946          | 41.687   | 42.879   | 41.875   | 41.505   |
| 13,2,9  | C.F.ICOPOR TEXTURIZADO 1CM - PVC  | M2  | 49.409          | 50.488   | 52.029   | 50.760   | 50.221   |
| 13,2,10   | C.F.LAMINA ACRILICO 0.61X1.22M  | M2  | 80.549          | 83.431   | 86.563   | 84.154   | 82.714   |
| 13,2,11   | C.FALSO LAMINA PVC A=25CM E=10MM  | M2  | 66.753          | 68.843   | 71.271   | 69.365   | 68.320   |
| 13,2,12   | C.FALSO LAMINA PVC A=25CM E=5MM   | M2  | 60.739          | 62.588   | 64.769   | 63.051   | 62.126   |
| 13,2,13   | C.F.MADERA MACHIMBRE PINO CIPREX-S/METAL  | M2  | 26.400          | 27.183   | 28.117   | 27.328   | 26.975   |
| <b>14 INSTALACIONES ELECTRICAS</b>                              |   |     |                 |          |          |          |          |
| 14,1  | <b>TABLEROS / BREAKERS</b>  |     |                 |          |          |          |          |
| 14,1,1  | TABLERO 1F 2 CTOS VTQ-SQ  | UND | 81.869          | 83.789   | 86.412   | 84.269   | 83.309   |
| 14,1,2  | TABLERO 1F 4 CTOS VTQ-SQ  | UND | 98.869          | 101.469  | 104.792  | 102.119  | 100.819  |
| 14,1,3  | TABLERO 1F 6 CTOS VTQ-SQ  | UND | 118.869         | 122.269  | 126.416  | 123.119  | 121.419  |
| 14,1,4  | TABLERO 1F 8 CTOS VTQ-SQ  | UND | 128.869         | 132.669  | 137.228  | 133.619  | 131.719  |
| 14,1,5  | TABLERO 1F 10 CTOS VTQ-SQ   | UND | 133.869         | 137.869  | 142.634  | 138.869  | 136.869  |
| 14,1,6  | TABLERO 1F 12 CTOS VTQ-SQ   | UND | 143.869         | 148.269  | 153.446  | 149.369  | 147.169  |
| 14,1,7  | TABLERO 2F 6 CTOS TQSP  | UND | 187.738         | 192.538  | 198.772  | 193.738  | 191.338  |
| 14,1,8  | TABLERO 2F 8 CTOS TQSP  | UND | 197.738         | 202.938  | 209.584  | 204.238  | 201.638  |
| 14,1,9  | TABLERO 2F 12 CTOS TQCP   | UND | 207.738         | 213.338  | 220.396  | 214.738  | 211.938  |
| 14,1,10   | TABLERO 2F 18 CTOS TQCP   | UND | 257.738         | 265.338  | 274.456  | 267.238  | 263.438  |
| 14,1,11   | TABLERO 3F 12 CTOS NTQ  | UND | 411.606         | 424.006  | 438.713  | 427.106  | 420.906  |
| 14,1,12   | TABLERO 3F 18 CTOS NTQ  | UND | 491.606         | 507.206  | 525.209  | 511.106  | 503.306  |



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|   |  |     |          | ZONA 1          | ZONA 2   | ZONA 3   | ZONA 4   | ZONA 5 |
| ITEM  | DESCRIPCION                                  | UND | VR. UNIT | VR. UNIT        | VR. UNIT | VR. UNIT | VR. UNIT |        |
| 14,1,13   | TABLERO 3F 24 CTOS NTQ                       | UND | 581.606  | 600.806         | 622.517  | 605.606  | 596.006  |        |
| 14,1,14   | TABLERO 3F 30 CTOS NTQ                       | UND | 671.606  | 694.406         | 719.825  | 700.106  | 688.706  |        |
| 14,1,15   | TABLERO 3F 36 CTOS NTQ                       | UND | 751.606  | 777.606         | 806.321  | 784.106  | 771.106  |        |
| 14,1,16   | BREAKER 1F DESDE 15 HASTA 60 AMP             | UND | 34.934   | 35.654          | 36.719   | 35.834   | 35.474   |        |
| 14,1,17   | BREAKER 2F DESDE 15 HASTA 60 AMP             | UND | 75.321   | 77.521          | 80.174   | 78.071   | 76.971   |        |
| 14,1,18   | BREAKER 2F DESDE 70 HASTA 100 AMP            | UND | 95.321   | 98.321          | 101.798  | 99.071   | 97.571   |        |
| 14,1,19   | BREAKER 3F DESDE 15 HASTA 50 AMP             | UND | 118.708  | 122.508         | 126.874  | 123.458  | 121.558  |        |
| 14,1,20   | BREAKER 3F DESDE 60 HASTA 150 AMP            | UND | 138.708  | 143.308         | 148.498  | 144.458  | 142.158  |        |
| 14,2  | <b>SISTEMA MALLA A TIERRA</b>                |     |          |                 |          |          |          |        |
| 14,2,1  | CABLE COBRE DESNUDO #1/0                     | ML  | 37.932   | 39.314          | 40.801   | 39.659   | 38.968   |        |
| 14,2,2  | CABLE COBRE DESNUDO #2/0                     | ML  | 45.062   | 46.674          | 48.426   | 47.078   | 46.271   |        |
| 14,2,3  | CABLE COBRE DESNUDO #4/0                     | ML  | 67.742   | 70.262          | 72.948   | 70.892   | 69.632   |        |
| 14,2,4  | PARARRAYOS FRANKLIN BLUNT 4 PUNTAS           | UND | 280.686  | 289.406         | 299.582  | 291.586  | 287.226  |        |
| 14,2,5  | SOLDADURA TERMOWELD X115 GRM                 | UND | 26.101   | 26.739          | 27.588   | 26.898   | 26.579   |        |
| 14,2,6  | VARILLA COBRE 9/16 - 14,28MM X 1.80M         | UND | 168.467  | 174.867         | 181.620  | 176.467  | 173.267  |        |
| 14,2,7  | VARILLA COBRE 9/16 - 14,28MM X 2.40M         | UND | 240.161  | 249.361         | 259.030  | 251.661  | 247.061  |        |
| 14,3  | <b>RED ELECTRICA PVC</b>                     |     |          |                 |          |          |          |        |
| 14,3,1  | ACOMETIDA ELECTRICA 1F (2# 12) ,3/4" PVC     | ML  | 14.546   | 14.938          | 15.433   | 15.036   | 14.840   |        |
| 14,3,2  | ACOMETIDA ELECTRICA 1F(2# 10) ,3/4" PVC      | ML  | 17.323   | 17.799          | 18.394   | 17.919   | 17.680   |        |
| 14,3,3  | ACOMETIDA ELECTRICA 1F(2# 12+1#12) ,3/4" PVC | ML  | 18.373   | 18.891          | 19.530   | 19.021   | 18.762   |        |
| 14,3,4  | ACOMETIDA ELECTRICA 1F(2# 8) ,3/4" PVC       | ML  | 21.523   | 22.167          | 22.934   | 22.329   | 22.006   |        |
| 14,3,5  | ACOMETIDA ELECTRICA 1F(2# 6) 1" PVC          | ML  | 35.999   | 37.195          | 38.542   | 37.494   | 36.896   |        |
| 14,3,6  | ACOMETIDA ELECTRICA 1F(2# 4) 1" PVC          | ML  | 45.084   | 46.617          | 48.324   | 47.000   | 46.233   |        |
| 14,3,7  | ACOMETIDA ELECTRICA 2F(2# 12+1#12) ,3/4" PVC | ML  | 18.373   | 18.891          | 19.530   | 19.021   | 18.762   |        |
| 14,3,8  | ACOMETIDA ELECTRICA 2F(2# 10+1#10) ,3/4" PVC | ML  | 22.539   | 23.183          | 23.970   | 23.345   | 23.022   |        |
| 14,3,9  | ACOMETIDA ELECTRICA 2F(2# 8+1#10) 1" PVC     | ML  | 27.945   | 28.806          | 29.815   | 29.021   | 28.591   |        |
| 14,3,10   | ACOMETIDA ELECTRICA 2F(2# 6+1# 8) 1" PVC     | ML  | 42.645   | 44.094          | 45.707   | 44.456   | 43.732   |        |
| 14,3,11   | ACOMETIDA ELECTRICA 2F(2# 4+1# 8) 1" PVC     | ML  | 52.400   | 54.185          | 56.170   | 54.631   | 53.739   |        |
| 14,3,12   | ACOMETIDA ELECTRICA 3F(3# 12+1#12) 1" PVC    | ML  | 23.407   | 24.099          | 24.930   | 24.272   | 23.926   |        |
| 14,3,13   | ACOMETIDA ELECTRICA 3F(3# 10+1#10) 1" PVC    | ML  | 28.962   | 29.822          | 30.851   | 30.037   | 29.607   |        |
| 14,3,14   | ACOMETIDA ELECTRICA 3F(3# 8 +1# 8) 2" PVC    | ML  | 54.544   | 56.117          | 58.026   | 56.510   | 55.724   |        |
| 14,3,15   | ACOMETIDA ELECTRICA 3F(3# 6+1# 8) 2" PVC     | ML  | 69.044   | 71.372          | 73.976   | 71.954   | 70.790   |        |
| 14,3,16   | ACOMETIDA ELECTRICA 3F(3# 4+1# 8) 2" PVC     | ML  | 83.676   | 86.509          | 89.670   | 87.217   | 85.800   |        |
| 14,3,17   | ACOMETIDA ELECTRICA 3F(3# 2+1# 6) 2" PVC     | ML  | 118.326  | 122.545         | 127.134  | 123.599  | 121.490  |        |
| 14,3,18   | ACOMETIDA ELECTRICA 3F(3#1/0+1#1/0)3" PVC    | ML  | 227.466  | 235.942         | 244.968  | 238.060  | 233.823  |        |
| 14,3,19   | ACOMETIDA ELECTRICA 3F(3#2/0+1#2/0)3" PVC    | ML  | 261.066  | 270.886         | 281.298  | 273.340  | 268.431  |        |
| 14,3,20   | ACOMETIDA ELECTRICA 3F(3#4/0+1#4/0)3" PVC    | ML  | 354.144  | 367.659         | 381.889  | 371.038  | 364.280  |        |
| 14,4  | <b>RED ELECTRICA EMT</b>                     |     |          |                 |          |          |          |        |
| 14,4,1  | ACOMETIDA ELECTRICA 1F(2# 12) ,3/4" EMT      | ML  | 22.099   | 22.794          | 23.600   | 22.967   | 22.620   |        |
| 14,4,2  | ACOMETIDA ELECTRICA 1F(2# 10) ,3/4" EMT      | ML  | 24.877   | 25.655          | 26.560   | 25.850   | 25.460   |        |
| 14,4,3  | ACOMETIDA ELECTRICA 1F(2# 12+1#12) ,3/4" EMT | ML  | 26.401   | 27.240          | 28.210   | 27.450   | 27.031   |        |
| 14,4,4  | ACOMETIDA ELECTRICA 1F(2# 8) ,3/4" EMT       | ML  | 29.551   | 30.516          | 31.614   | 30.758   | 30.275   |        |
| 14,4,5  | ACOMETIDA ELECTRICA 1F(2# 6) 1" EMT          | ML  | 46.974   | 48.582          | 50.367   | 48.984   | 48.181   |        |
| 14,4,6  | ACOMETIDA ELECTRICA 1F(2# 4) 1" EMT          | ML  | 55.374   | 57.318          | 59.449   | 57.804   | 56.833   |        |
| 14,4,7  | ACOMETIDA ELECTRICA 2F(2# 12+1#12) ,3/4" EMT | ML  | 25.927   | 26.747          | 27.697   | 26.952   | 26.542   |        |
| 14,4,8  | ACOMETIDA ELECTRICA 2F(2# 10+1#10) ,3/4" EMT | ML  | 30.093   | 31.039          | 32.137   | 31.276   | 30.802   |        |
| 14,4,9  | ACOMETIDA ELECTRICA 2F(2# 8+1#10) 1" EMT     | ML  | 37.561   | 38.806          | 40.211   | 39.118   | 38.495   |        |
| 14,4,10   | ACOMETIDA ELECTRICA 2F(2# 6+1# 8) 1" EMT     | ML  | 52.261   | 54.094          | 56.104   | 54.553   | 53.636   |        |
| 14,4,11   | ACOMETIDA ELECTRICA 2F(2# 4+1# 8) 1" EMT     | ML  | 62.016   | 64.185          | 66.567   | 64.727   | 63.643   |        |
| 14,4,12   | ACOMETIDA ELECTRICA 3F(3# 12+1#12) 1" EMT    | ML  | 33.697   | 34.801          | 36.056   | 35.077   | 34.525   |        |
| 14,4,13   | ACOMETIDA ELECTRICA 3F(3# 10+1#10) 1" EMT    | ML  | 39.252   | 40.524          | 41.977   | 40.842   | 40.206   |        |
| 14,4,14   | ACOMETIDA ELECTRICA 3F(3# 8 +1# 8) 2" EMT    | ML  | 60.139   | 61.935          | 64.075   | 62.384   | 61.486   |        |
| 14,4,15   | ACOMETIDA ELECTRICA 3F(3# 6+1# 8) 2" EMT     | ML  | 74.639   | 77.191          | 80.024   | 77.829   | 76.553   |        |
| 14,4,16   | ACOMETIDA ELECTRICA 3F(3# 4+1# 8) 2" EMT     | ML  | 89.271   | 92.327          | 95.719   | 93.091   | 91.563   |        |
| 14,4,17   | ACOMETIDA ELECTRICA 3F(3# 2+1# 6) 2" EMT     | ML  | 123.921  | 128.363         | 133.183  | 129.474  | 127.252  |        |
| 14,4,18   | ACOMETIDA ELECTRICA 3F(3#1/0+1#1/0)3" EMT    | ML  | 239.952  | 248.927         | 258.467  | 251.170  | 246.683  |        |

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|   |   |     |           | ZONA 1          | ZONA 2    | ZONA 3    | ZONA 4    | ZONA 5 |
| ITEM  | DESCRIPCION   | UND | VR. UNIT  | VR. UNIT        | VR. UNIT  | VR. UNIT  | VR. UNIT  |        |
| 14,4,19   | ACOMETIDA ELECTRICA 3F(3#2/0+1#2/0)3" EMT               | ML  | 273.552   | 283.871         | 294.797   | 286.450   | 281.291   |        |
| 14,4,20   | ACOMETIDA ELECTRICA 3F(3#3/0+1#1/0)3" EMT               | ML  | 316.229   | 328.228         | 340.898   | 331.228   | 325.228   |        |
| 14,4,21   | ACOMETIDA ELECTRICA 3F(3#4/0+1#4/0)3" EMT               | ML  | 366.629   | 380.644         | 395.389   | 384.148   | 377.140   |        |
| 14,5  | <b>SALIDAS / PUNTOS ELECTRICOS</b>                      |     |           |                 |           |           |           |        |
| 14,5,1  | SALIDA LAMPARA PVC - SIN CABLEADO                       | UND | 32.828    | 33.328          | 34.230    | 33.454    | 33.203    |        |
| 14,5,2  | SALIDA LAMPARA EMT 3/4" - SIN CABLEADO                  | UND | 70.276    | 72.273          | 74.721    | 72.774    | 71.776    |        |
| 14,5,3  | SALIDA LAMPARA PVC 1/2" (2#12+1#14)                     | UND | 64.577    | 66.077          | 68.140    | 66.452    | 65.703    |        |
| 14,5,4  | SALIDA LAMPARA EMT 3/4" (2#12+1#14)                     | UND | 115.773   | 119.184         | 123.285   | 120.038   | 118.333   |        |
| 14,5,5  | SALIDA SWITCHE VR. PROM. EMT 3/4" - CABLE#12            | UND | 173.169   | 178.604         | 184.921   | 179.964   | 177.247   |        |
| 14,5,6  | SALIDA SWITCHE VR. PROM. PVC 1/2" - CABLE#12            | UND | 111.439   | 114.406         | 118.178   | 115.148   | 113.665   |        |
| 14,5,7  | SALIDA TOMA DOBLE VR. PROM. 110V PVC 1/2" (2#12+1#14)   | UND | 95.906    | 98.253          | 101.384   | 98.839    | 97.667    |        |
| 14,5,8  | SALIDA TOMA DOBLE ZONA HUMEDA 110V PVC 1/2" (2#12+1#14) | UND | 124.449   | 127.937         | 132.244   | 128.810   | 127.066   |        |
| 14,5,9  | SALIDA TOMA DOBLE VR. PROM. 110V EMT 3/4" (2#12+1#14)   | UND | 126.455   | 130.022         | 134.412   | 130.915   | 129.132   |        |
| 14,5,10   | SALIDA TOMA DOBLE ZONA HUMEDA 110V EMT 3/4" (2#12+1#14) | UND | 155.018   | 159.727         | 165.294   | 160.907   | 158.552   |        |
| 14,6  | <b>LAMPARAS / ILUMINACION</b>                           |     |           |                 |           |           |           |        |
| 14,6,1  | BALA PANEL LED 3W                                       | UND | 24.535    | 25.042          | 25.790    | 25.169    | 24.915    |        |
| 14,6,2  | BALA PANEL LED 6W                                       | UND | 26.535    | 27.122          | 27.953    | 27.269    | 26.975    |        |
| 14,6,3  | BALA PANEL LED 12W                                      | UND | 30.535    | 31.282          | 32.278    | 31.469    | 31.095    |        |
| 14,6,4  | BALA PANEL LED 18W                                      | UND | 36.535    | 37.522          | 38.765    | 37.769    | 37.275    |        |
| 14,6,5  | BALA PANEL LED 24W                                      | UND | 61.435    | 63.418          | 65.687    | 63.914    | 62.922    |        |
| 14,6,6  | LAMPARA PANEL LED 600X600CM 40W                         | UND | 149.228   | 154.655         | 160.503   | 156.012   | 153.299   |        |
| 14,6,7  | LAMPARA PANEL LED 120X30 40W                            | UND | 154.228   | 159.855         | 165.909   | 161.262   | 158.449   |        |
| 14,7  | <b>RED - VOZ Y DATOS</b>                                |     |           |                 |           |           |           |        |
| 14,7,1  | TABLERO MINIGRAMA 12 CTOS                               | UND | 169.017   | 172.391         | 177.479   | 173.234   | 171.547   |        |
| 14,7,2  | MINIBREAKER 1 A 4 AMP RIEL LEGRAND                      | UND | 46.386    | 47.480          | 48.969    | 47.753    | 47.206    |        |
| 14,7,3  | MALLA A TIERRA 3 VARILLAS-PERNADA                       | UND | 1.414.057 | 1.461.300       | 1.515.163 | 1.473.528 | 1.449.248 |        |
| 14,7,4  | GABINETE CON RACK 19"X15"ALT.CERRADO                    | UND | 469.344   | 481.344         | 496.929   | 484.344   | 478.344   |        |
| 14,7,5  | GABINETE CON RACK 19"X43" ALT.CERRADO"                  | UND | 793.653   | 817.271         | 845.466   | 823.175   | 811.366   |        |
| 14,7,6  | ACOM.DATOS 1/2" 4P UTP CAT 5E"                          | ML  | 10.533    | 10.738          | 11.052    | 10.790    | 10.687    |        |
| 14,7,7  | ACOM.SONIDO ,1/2" 2X18 ENCAUCHETADO                     | ML  | 10.901    | 11.120          | 11.450    | 11.176    | 11.066    |        |
| 14,7,8  | ACOM.TELEFONICA ,1/2" 4P"                               | ML  | 9.498     | 9.662           | 9.933     | 9.703     | 9.620     |        |
| 14,7,9  | ACOM.TELEVISION ,1/2" RG59"                             | ML  | 9.498     | 9.662           | 9.933     | 9.703     | 9.620     |        |
| 14,7,10   | CABLE TRENZADO 3X12 AWG-NORMAL                          | ML  | 6.655     | 6.854           | 7.091     | 6.904     | 6.805     |        |
| 14,7,11   | CABLE TRENZADO 3X12 AWG-REGULADA                        | ML  | 6.655     | 6.854           | 7.091     | 6.904     | 6.805     |        |
| 14,7,12   | CANALETA DE PISO 3CEP/13CA                              | UND | 35.855    | 36.205          | 37.083    | 36.293    | 36.118    |        |
| 14,7,13   | CANALETA METALICA C/DIV 10x4x240 CMS                    | UND | 70.814    | 72.970          | 75.512    | 73.508    | 72.430    |        |
| 14,7,14   | CANALETA PLASTICA 10 X4.5CM TA23/3P1                    | UND | 71.298    | 73.608          | 76.246    | 74.187    | 73.032    |        |
| 14,7,15   | SALIDA TOMA DOBLE NARANJA 1F (3#12)                     | UND | 99.418    | 101.905         | 105.180   | 102.527   | 101.284   |        |
| 14,7,16   | PATCH PANEL 24 PUERTOS CAT 5E                           | UND | 299.344   | 304.544         | 313.125   | 305.844   | 303.244   |        |
| 14,7,17   | PATCH PANEL 48 PUERTOS CAT-5E                           | UND | 546.080   | 567.260         | 589.090   | 572.560   | 561.970   |        |
| 14,7,18   | PATCH PANEL 24 PUERTOS CAT-6A                           | UND | 312.631   | 324.886         | 337.507   | 327.946   | 321.821   |        |
| 14,7,19   | PATCH PANEL 24 PUERTOS CAT-6A - PUERTO BLINDADO         | UND | 1.113.040 | 1.157.230       | 1.202.753 | 1.168.280 | 1.146.185 |        |
| 14,7,20   | PATCH PANEL 48 PUERTOS CAT-6A - PUERTO BLINDADO         | UND | 1.746.080 | 1.815.260       | 1.886.530 | 1.832.560 | 1.797.970 |        |
| 14,7,21   | PATCH CORD 10 PIES                                      | UND | 12.855    | 13.315          | 13.815    | 13.430    | 13.200    |        |
| <b>15</b>   | <b>CARPINTERIA METALICA</b>                             |     |           |                 |           |           |           |        |
| 15,1  | <b>PUERTAS Y VENTANAS</b>                               |     |           |                 |           |           |           |        |
| 15,1,1  | VENTANA LAMINA CAL. 20 + VIDRIO 4MM                     | M2  | 271.631   | 280.174         | 290.079   | 282.309   | 278.038   |        |
| 15,1,2  | VENTANA LAMINA CAL. 20 Y VARILLA + VIDRIO 4MM           | M2  | 346.412   | 356.553         | 364.616   | 353.035   | 354.018   |        |
| 15,1,3  | VENTANA PERSIANA FIJA LAMINA CAL. 20                    | M2  | 324.907   | 334.188         | 345.516   | 336.508   | 331.868   |        |
| 15,1,4  | MARCO LAMINA CAL. 20 DE 0.70-1.0 M                      | UND | 213.698   | 220.620         | 228.523   | 222.351   | 218.890   |        |
| 15,1,5  | MARCO LAMINA CAL. 20 DE 1.01-1.5 M                      | UND | 235.520   | 243.780         | 252.839   | 245.845   | 241.716   |        |

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|   |  |  |  | ZONA 1          | ZONA 2 | ZONA 3 | ZONA 4 | ZONA 5 |

| ITEM    | DESCRIPCION  | UND | VR. UNIT | VR. UNIT | VR. UNIT  | VR. UNIT | VR. UNIT |
|---------|--|-----|----------|----------|-----------|----------|----------|
| 15,1,6  | MARCO LAMINA CAL. 20 DE 1.51-2.0 M   | UND | 276.652  | 285.976  | 296.408   | 288.308  | 283.645  |
| 15,1,7  | PUERTA LAMINA SENCILLA CAL. 18   | M2  | 215.156  | 220.511  | 227.575   | 221.850  | 219.172  |
| 15,1,8  | PUERTA LAMINA ENTAMBORADA SENCILLA CAL.18  | M2  | 304.038  | 312.484  | 322.953   | 314.595  | 310.373  |
| 15,1,9  | VENTANA EN ALUMINIO PERFIL 3825 (M2) INCL. VIDRIO 4MM  | M2  | 193.942  | 200.102  | 207.208   | 201.642  | 198.562  |
| 15,1,10 | VENTANA EN ALUMINIO PERFIL 5020 (M2) INCL. VIDRIO 4MM  | M2  | 203.942  | 210.502  | 218.020   | 212.142  | 208.862  |
| 15,1,11 | VENTANA EN ALUMINIO PERFIL 744 (M2) INCL. VIDRIO 5MM   | M2  | 293.942  | 304.102  | 315.328   | 306.642  | 301.562  |
| 15,1,12 | VENTANA EN ALUMINIO PERFIL 744 (M2) INCL. VIDRIO 6MM   | M2  | 317.942  | 329.062  | 341.277   | 331.842  | 326.282  |
| 15,1,13 | VENTANA EN ALUMINIO PERFIL 7038 (M2) INCL. VIDRIO 6MM  | M2  | 627.942  | 651.462  | 676.449   | 657.342  | 645.582  |
| 15,1,14 | VENTANA EN ALUMINIO PERFIL 7038 (M2) SIN VIDRIO  | M2  | 519.942  | 539.142  | 559.679   | 543.942  | 534.342  |
| 15,1,15 | VENTANA EN ALUMINIO TIPO PERSIANA  | M2  | 379.942  | 393.542  | 408.311   | 396.942  | 390.142  |
| 15,1,16 | MARCO ALUMINIO 0.61-0.80 M   | UND | 293.588  | 303.880  | 315.165   | 306.453  | 301.307  |
| 15,1,17 | MARCO ALUMINIO 0.81-1.00 M   | UND | 313.705  | 325.092  | 337.364   | 327.939  | 322.246  |
| 15,1,18 | MARCO ALUMINIO 1.01-1.20 M   | UND | 340.588  | 352.760  | 365.979   | 355.803  | 349.717  |
| 15,1,19 | MARCO ALUMINIO 1.61-1.80 M   | UND | 459.657  | 476.495  | 494.562   | 480.705  | 472.286  |
| 15,1,20 | PUERTA ALUMINIO ENCHAPADA LLENA BAT.   | M2  | 499.568  | 515.638  | 534.043   | 519.656  | 511.621  |
| 15,1,21 | PUERTA ALUMINIO ENTAMBORADA-LLENA BAT.   | M2  | 564.583  | 581.532  | 601.661   | 585.769  | 577.295  |
| 15,1,22 | PUERTA ALUMINIO PERSIANA BAT.  | M2  | 412.071  | 423.522  | 437.635   | 426.404  | 420.640  |
| 15,2    | <b>CERRAMIENTOS</b>  |     |          |          |           |          |          |
| 15,2,1  | POSTE TUBO GALV. 1,1/2"x1.5MM C.16"  | ML  | 26.778   | 27.620   | 28.693    | 27.828   | 27.503   |
| 15,2,2  | POSTE TUBO GALV. 1,1/2"x1.8MM C.14"  | ML  | 28.861   | 29.810   | 30.981    | 30.045   | 29.666   |
| 15,2,3  | POSTE TUBO GALV. 1,1/2"x2.3MM C.13"  | ML  | 31.747   | 32.811   | 34.101    | 33.074   | 32.638   |
| 15,2,4  | POSTE TUBO GALV. 2" x2.3MM C.13"   | ML  | 45.481   | 46.948   | 48.946    | 47.305   | 46.891   |
| 15,2,5  | POSTE TUBO GALV. 3" x2.3MM C.13"   | ML  | 59.708   | 61.738   | 64.254    | 62.237   | 61.478   |
| 15,2,6  | MALLA ESLABONADA GALV # 10 ROMBO 2" - 2,1/2"   | M2  | 31.439   | 32.356   | 33.464    | 32.586   | 32.127   |
| 15,2,7  | CERRAMIENTO EN TUBO GALVANIZADO 2" CAL=13 C/3M, ANGULO 1 1/2"X1/8", MALLA ESLABONADA 2" Y RIOSTRA ANGULO 1 1/4"X1/8" PARA H=<2.00M (M2)        | M2  | 224.360  | 230.114  | 237.894   | 231.543  | 228.985  |
| 15,2,8  | CERRAMIENTO EN TUBO GALVANIZADO 3" CAL=13 C/3M, ANGULO 1 1/2"X1/8", MALLA ESLABONADA 2" Y RIOSTRA ANGULO 1 1/4"X1/8" PARA H=2.00M - 5.00M (M2) | M2  | 253.760  | 260.690  | 269.682   | 262.413  | 259.267  |
| 15,2,9  | CERRAMIENTO EN TUBO AGUAS NEGRAS 2" E=2.3 C/3M, ANGULO 1 1/2"X1/8", MALLA ESLABONADA 2" Y RIOSTRA ANGULO 1 1/4"X1/8" PARA H=<2.00M (M2)        | M2  | 207.540  | 212.621  | 219.710   | 213.882  | 211.661  |
| 15,2,10 | CERRAMIENTO EN TUBO AGUAS NEGRAS 3" E=2.3 C/3M, ANGULO 1 1/2"X1/8", MALLA ESLABONADA 2" Y RIOSTRA ANGULO 1 1/4"X1/8" PARA H=2.00M - 5.00M (M2) | M2  | 239.581  | 245.945  | 254.353   | 247.525  | 244.664  |
| 15,2,11 | CERRAMIENTO CONTRAIMPACTO TIPO IDR H=5M EN TUBO CERRAMIENTO 3" E=2.3 C/2.5M, ANGULO 1 1/2"X1/8", MALLA ESLABONADA 2" Y VARILLA 3/4 LISA (ML)   | ML  | 881.141  | 907.181  | 937.112   | 906.591  | 900.671  |
| 15,2,12 | PUERTA/NAVE/ CERRAMIENTO EN TUBO GALV. 1 1/2" C.13 Y MALLA ESLABONADA (2x0.60-1.0)   | UND | 611.508  | 626.692  | 647.388   | 630.467  | 623.516  |
| 15,2,13 | PUERTA/NAVE/ CERRAMIENTO EN TUBO GALV. 1 1/2" C.13 Y MALLA ESLABONADA (2x1.01-1.5)   | UND | 736.229  | 753.566  | 777.831   | 757.879  | 749.851  |
| 15,2,14 | PUERTA/NAVE/ CERRAMIENTO EN TUBO GALV. 1 1/2" C.13 Y MALLA ESLABONADA (2x1.51-2.0)   | UND | 849.914  | 870.637  | 898.943   | 875.796  | 866.076  |
| 15,2,15 | PUERTA/NAVE/ CERRAMIENTO EN TUBO GALV. 1 1/2" C.13 Y MALLA ESLABONADA (2x2.01-2.5)   | UND | 948.668  | 971.667  | 1.003.114 | 977.394  | 966.536  |
| 15,2,16 | CONCERTINA SENC. 45CM A.INOX-ACCESORIOS  | ML  | 49.475   | 50.127   | 51.462    | 50.290   | 49.964   |
| 15,3    | <b>BARANDAS - PASAMANOS</b>  |     |          |          |           |          |          |
| 15,3,1  | BARANDA TUBO GALVANIZADO 1 1/2" SENCILLO - SOPORTE EN PLATINA 1 1/2" X 1/4" C/1M   | ML  | 107.906  | 110.829  | 114.505   | 111.560  | 110.099  |
| 15,3,2  | BARANDA TUBO GALVANIZADO 2" SENCILLO - SOPORTE EN PLATINA 2" X 1/4" C/1M   | ML  | 117.367  | 120.668  | 124.734   | 121.494  | 119.843  |
| 15,3,3  | BARANDA TUBO GALVANIZADO 1 1/2" Y 2 TUBOS DE UNA 1" - SOPORTE EN PLATINA 1 1/2" X 1/4" C/1M  | ML  | 161.947  | 166.335  | 171.851   | 167.432  | 165.238  |

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| 15,3,4  | BARANDA TUBO GALVANIZADO 2" Y 2 TUBOS DE 1 1/2" - SOPORTE EN PLATINA 2" X 1/4" C/1M             | ML  | 184.865         | 190.054  | 196.450  | 191.351  | 188.757  |
| 15,3,5  | BARANDA TUBO GALVANIZADO 2 1/2" Y 2 TUBOS DE 1 1/2" - SOPORTE EN PLATINA 2 1/2" X 3/16" C/1M    | ML  | 218.737         | 225.048  | 232.710  | 226.625  | 223.470  |
| 15,3,6  | BARANDA TUBO GALVANIZADO 2", PARELES DE APOYO 1 1/2" C/1M Y PARELES CERRAMIENTO 1" C/8-10CM     | ML  | 305.452         | 314.303  | 325.023  | 316.515  | 312.090  |
| 15,3,7  | BARANDA TUBO GALVANIZADO 2 1/2", PARELES DE APOYO 1 1/2" C/1M Y PARELES CERRAMIENTO 1" C/8-10CM | ML  | 329.805         | 339.514  | 351.174  | 341.941  | 337.086  |
| 15,3,8  | BARANDA PASAMANOS SENCILLO TUBO ALUMINIO 1 1/2"   | ML  | 72.604          | 74.734   | 77.298   | 75.266   | 74.201   |
| 15,3,9  | BARANDA PASAMANOS SENCILLO ALUMINIO 2"  | ML  | 74.284          | 76.481   | 79.114   | 77.030   | 75.932   |
| 15,3,10   | BARANDA PASAMANOS SENCILLO ALUMINIO 1 1/2" OVAL 3x1"  | M2  | 387.014         | 399.398  | 413.609  | 402.494  | 396.302  |
| 15,3,11   | BARANDA PASAMANOS SENCILLO TUBO ALUMINIO 1 1/2" - SOPORTE PARED                                 | ML  | 182.326         | 187.974  | 194.575  | 189.386  | 186.562  |
| 15,4  | <b>REJAS - REJILLAS</b>   |     |                 |          |          |          |          |
| 15,4,1  | REJA SEGURIDAD ANGULO 1.1/ 8-MALLA #10  | M2  | 112.592         | 114.361  | 117.802  | 114.794  | 114.226  |
| 15,4,2  | REJA SEGURIDAD ANGULO 1x1/ 8-VARI 1/ 2  | M2  | 206.489         | 211.201  | 217.349  | 211.803  | 210.023  |
| 15,4,3  | REJA SEGURIDAD VAR.CUADRADA 1/2 H>51CM  | M2  | 206.505         | 211.218  | 217.366  | 211.820  | 210.040  |
| 15,4,4  | REJA SEGURIDAD VAR.REDONDA 1/2  | M2  | 118.536         | 119.759  | 126.136  | 119.957  | 122.801  |
| 15,4,5  | REJA SEGUR.LAMI.TUB.1,1/2"x1, 1/2 CAL.20  | M2  | 180.256         | 184.563  | 190.382  | 185.640  | 183.486  |
| 15,4,6  | REJILLA HIERRO VAR=1/2, ANGULO 1/8" X 1" A=0.30MTS  | ML  | 89.656          | 91.219   | 96.301   | 91.531   | 93.269   |
| 15,4,7  | REJILLA HIERRO VAR=1/2, ANGULO 1/8" X 1" A=0.50MTS  | ML  | 136.739         | 139.007  | 147.050  | 139.443  | 142.509  |
| <b>16</b>   | <b>CARPINTERIA MADERA</b>   |     |                 |          |          |          |          |
| 16,1  | PUERTA MADERA TRIPLEX 4MM PREFABRICADA ECONOMICA H=2,00 A= 55-75CM                              | UND | 184.204         | 190.544  | 197.563  | 192.129  | 188.959  |
| 16,2  | PUERTA MADERA TRIPLEX 4MM PREFABRICADA ECONOMICA H=2,00 A= 80-110CM                             | UND | 204.204         | 211.344  | 219.187  | 213.129  | 209.559  |
| 16,3  | PUERTA MADERA TRIPLEX 4MM ENTAMBORADA H=2,00 - 2.20 A< 60CM - CARPINTERIA TALLER                | UND | 419.708         | 429.301  | 442.646  | 431.737  | 427.015  |
| 16,4  | PUERTA MADERA TRIPLEX 4MM ENTAMBORADA H=2,00 - 2.20 A= 61-80CM - CARPINTERIA TALLER             | UND | 448.570         | 459.106  | 473.524  | 461.778  | 456.585  |
| 16,5  | PUERTA MADERA TRIPLEX 4MM ENTAMBORADA H=2,00 - 2.20 A= 81-100CM - CARPINTERIA TALLER            | UND | 460.320         | 471.326  | 486.228  | 474.115  | 468.687  |
| 16,6  | PUERTA MELAMINICA PREFABRICADA ECONOMICA H=2.00 A=60-79   | UND | 199.204         | 206.144  | 213.781  | 207.879  | 204.409  |
| 16,7  | PUERTA MELAMINICA PREFABRICADA ECONOMICA H=2.00 A=80-90   | UND | 219.204         | 226.944  | 235.405  | 228.879  | 225.009  |
| 16,8  | PUERTA MELAMINICA 6MM PREFABRICADA ALTA CALIDAD H=2.00 - 2.20 A=60-74                           | UND | 364.204         | 377.744  | 392.179  | 381.129  | 374.359  |
| 16,9  | PUERTA MELAMINICA 6MM PREFABRICADA ALTA CALIDAD H=2.00 - 2.20 A=75-90                           | UND | 434.204         | 450.544  | 467.863  | 454.629  | 446.459  |
| 16,10   | MARCO MADERA 60-100 H=210CM E=8CM - PREFABRICADO  | UND | 144.576         | 147.310  | 151.575  | 147.994  | 146.627  |
| 16,11   | MARCO MADERA 60-100 H=210CM E=10CM - PREFABRICADO   | UND | 159.576         | 162.910  | 167.793  | 163.744  | 162.077  |
| 16,12   | MARCO MADERA 60-100 H=210CM E=12CM - PREFABRICADO   | UND | 164.576         | 168.110  | 173.199  | 168.994  | 167.227  |
| 16,13   | MARCO MADERA 60-100 H=210CM E=8-12CM - CARPINTERIA TALLER                                       | UND | 211.200         | 216.044  | 222.745  | 217.276  | 214.884  |
| <b>17</b>   | <b>ESTUCOS Y PINTURAS</b>   |     |                 |          |          |          |          |
| 17,1  | <b>ESTUCOS - VINILOS Y PINTURAS ACRILICAS</b>   |     |                 |          |          |          |          |
| 17,1,1  | ESTUCO ACRILICO   | ML  | 8.240           | 8.514    | 8.822    | 8.582    | 8.446    |
| 17,1,2  | ESTUCO MURO   | M2  | 4.829           | 4.842    | 4.947    | 4.849    | 4.837    |
| 17,1,3  | ESTUCO MUROS PLASTICO   | M2  | 15.997          | 16.525   | 17.122   | 16.657   | 16.393   |
| 17,1,4  | VINILO CIELO TIPO 1 [2M]  | M2  | 8.092           | 8.262    | 8.510    | 8.304    | 8.219    |
| 17,1,5  | VINILO CIELO TIPO 1 [3M]  | M2  | 10.930          | 11.161   | 11.498   | 11.219   | 11.103   |
| 17,1,6  | VINILO MURO TIPO 1 [2M]   | M2  | 5.932           | 6.046    | 6.222    | 6.074    | 6.017    |
| 17,1,7  | VINILO MURO TIPO 1 [3M]   | M2  | 9.452           | 9.675    | 9.980    | 9.731    | 9.619    |

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| 17,1,8  | PINTURA TIPO KORAZA [2M]   | M2  | 7.793           | 7.950    | 8.186     | 7.990    | 7.911    |
| 17,1,9  | PINTURA TIPO KORAZA [3M]   | M2  | 10.503          | 10.718   | 11.037    | 10.771   | 10.664   |
| 17,1,10   | PINTURA TIPO KORAZA ALTA RESISTENCIA [2M]  | M2  | 18.571          | 19.129   | 19.792    | 19.268   | 18.989   |
| 17,1,11   | PINTURA TIPO KORAZA ALTA RESISTENCIA [3M]  | M2  | 24.172          | 24.907   | 25.775    | 25.091   | 24.724   |
| 17,2  | <b>ANTICORROSIVOS Y ESMALTES</b>   |     |                 |          |           |          |          |
| 17,2,1  | ANTICORROSIVA SOBRE LAMINA LLENA   | M2  | 7.863           | 7.993    | 8.214     | 8.025    | 7.960    |
| 17,2,2  | ANTICORROSIVA SOBRE LAMINA LINEAL  | ML  | 4.546           | 4.604    | 4.723     | 4.619    | 4.589    |
| 17,2,3  | WASH - PRIMER  | M2  | 11.690          | 11.900   | 12.240    | 11.953   | 11.848   |
| 17,2,4  | ESMALTE SOBRE LAMINA LLENA   | M2  | 11.203          | 11.363   | 11.666    | 11.403   | 11.323   |
| 17,2,5  | ESMALTE SOBRE LAMINA LINEAL  | ML  | 3.337           | 3.409    | 3.513     | 3.427    | 3.391    |
| 17,2,6  | ESMALTE SOBRE MURO   | M2  | 11.645          | 11.823   | 12.144    | 11.868   | 11.779   |
| 17,2,7  | ESMALTE REJAS - VENTANAS   | M2  | 19.504          | 19.770   | 20.289    | 19.836   | 19.703   |
| 17,2,8  | ESMALTE MALLA ESLABONADA 2,1/2"-2"   | M2  | 4.664           | 4.754    | 4.893     | 4.777    | 4.732    |
| 17,2,9  | ESMALTE REJA METAL BARROTES-PARALES  | M2  | 26.367          | 27.113   | 28.029    | 27.300   | 26.926   |
| 17,2,10   | ESMALTE BARANDA TUBO 2-3 LINEAS+PARALES  | ML  | 12.231          | 12.531   | 12.930    | 12.606   | 12.456   |
| 17,2,11   | ESMALTE GUARDESCOBA  | ML  | 3.957           | 3.986    | 4.078     | 3.994    | 3.979    |
| 17,2,12   | ESMALTE LINEA DEMARCACION  | ML  | 1.311           | 1.348    | 1.394     | 1.358    | 1.339    |
| 17,2,13   | ESMALTE SOBRE TUBERIA METALICA-PVC   | ML  | 12.031          | 12.410   | 12.849    | 12.504   | 12.315   |
| 17,3  | <b>PINTURA MADERAS (BASE, BARNIX, TINTILLAS Y ESMALTES)</b>  |     |                 |          |           |          |          |
| 17,3,1  | BASE SELLADOR MADERA   | M2  | 13.367          | 13.542   | 13.894    | 13.586   | 13.498   |
| 17,3,2  | BARNIZ MACHIMBRE-CIELO MADERA  | M2  | 12.372          | 12.610   | 12.978    | 12.670   | 12.551   |
| 17,3,3  | LACA PISOS MADERA  | M2  | 18.064          | 18.424   | 18.972    | 18.514   | 18.334   |
| 17,3,4  | TINTILLA SOBRE MADERA LLENA  | M2  | 14.148          | 14.364   | 14.754    | 14.418   | 14.310   |
| 17,3,5  | TINTILLA SOBRE MADERA LINEAL   | ML  | 5.791           | 5.894    | 6.062     | 5.920    | 5.869    |
| 17,3,6  | PUERTA MADERA TINTILLA-BARNIZ  | UND | 66.005          | 66.588   | 68.170    | 66.734   | 66.442   |
| 17,3,7  | ESMALTE SOBRE MADERA LLENA   | M2  | 14.774          | 15.077   | 15.527    | 15.153   | 15.001   |
| 17,3,8  | ESMALTE SOBRE MADERA LINEAL  | ML  | 4.955           | 5.092    | 5.262     | 5.126    | 5.058    |
| <b>18</b>   | <b>APARATOS SANITARIOS</b>   |     |                 |          |           |          |          |
| 18,1  | COMBO SANITARIO ECONOMICO TIPO ACUAPLUS O SIMILAR (SANITARIO - LAVAMANOS - GRIFERIA Y ACCESORIOS)    | JGO | 363.976         | 376.508  | 390.996   | 379.806  | 372.860  |
| 18,2  | COMBO SANITARIO LINEA MEDIA TIPO MANANTIAL O SIMILAR (SANITARIO - LAVAMANOS - GRIFERIA Y ACCESORIOS) | JGO | 453.976         | 470.108  | 488.304   | 474.306  | 465.560  |
| 18,3  | LAVAMANOS COLGAR LINEA ECONOMICA   | UND | 102.703         | 105.408  | 109.016   | 106.125  | 104.603  |
| 18,4  | LAVAMANOS COLGAR LINEA MEDIA   | UND | 144.703         | 149.088  | 154.426   | 150.225  | 147.863  |
| 18,5  | LAVAMANOS CON PEDESTAL LINEA ECONOMICA   | JGO | 129.703         | 133.488  | 138.208   | 134.475  | 132.413  |
| 18,6  | LAVAMANOS CON PEDESTAL LINEA MEDIA   | JGO | 174.703         | 180.288  | 186.862   | 181.725  | 178.763  |
| 18,7  | LAVAMANOS SOBREPONER LINEA ECONOMICA   | UND | 159.703         | 164.688  | 170.644   | 165.975  | 163.313  |
| 18,8  | LAVAMANOS SOBREPONER MEZ.LINEA ECONOMICA   | UND | 174.703         | 180.288  | 186.862   | 181.725  | 178.763  |
| 18,9  | LAVAMANOS SOBREPONER MEZC.LINEA MEDIA  | UND | 194.703         | 201.088  | 208.486   | 202.725  | 199.363  |
| 18,10   | ORINAL PEQUENO   | UND | 204.703         | 211.488  | 219.298   | 213.225  | 209.663  |
| 18,11   | ORINAL MEDIANO PARA FLUXOMETRO   | UND | 295.383         | 305.753  | 317.429   | 308.428  | 302.903  |
| 18,12   | ORINAL GRANDE SUSPENDIDO INSTITUCIONAL   | UND | 384.777         | 397.537  | 411.933   | 400.727  | 394.347  |
| 18,13   | SANITARIO INFANTIL   | UND | 561.744         | 582.714  | 605.334   | 588.039  | 577.214  |
| 18,14   | SANITARIO LINEA ECONOMICA  | UND | 211.744         | 218.714  | 226.914   | 220.539  | 216.714  |
| 18,15   | SANITARIO LINEA MEDIA COMPLETO   | UND | 276.744         | 286.314  | 297.192   | 288.789  | 283.664  |
| 18,16   | TAZA SANITARIA + VALV.FLUXOMETRO   | JGO | 934.368         | 969.408  | 1.006.610 | 978.168  | 960.648  |
| 18,17   | TAZA SANITARIA FLUXOMETRO (SIN FLUXOM)RE   | UND | 683.027         | 707.821  | 734.625   | 714.036  | 701.571  |
| 18,18   | LAVAPLATOS A.INOX. 50X 60CM PESTA.GRIFO  | UND | 149.464         | 154.234  | 160.030   | 155.509  | 152.784  |
| 18,19   | LAVAPLATOS A.INOX. 50X100CM ESCURRIDERO  | UND | 214.651         | 221.791  | 230.455   | 223.741  | 219.491  |
| 18,20   | LAVAPLATOS A.INOX.DOUBLE 51X 80CM P.GRIFO  | UND | 488.931         | 507.086  | 526.918   | 511.748  | 502.161  |
| 18,21   | LAVADERO PR.CONCRETO 100X 60-70X15-20C   | UND | 195.547         | 202.815  | 210.598   | 204.678  | 200.942  |
| 18,22   | LAVADERO PREFABRICADO EN GRANITO PULIDO 70X50X22CM   | UND | 290.547         | 301.615  | 313.312   | 304.428  | 298.792  |
| 18,23   | LAVATRAPERO ENCHAPADO 40X40CM  | UND | 139.536         | 142.415  | 146.676   | 146.095  | 141.641  |

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|   |  |     |          | ZONA 1          | ZONA 2   | ZONA 3   | ZONA 4   | ZONA 5 |
| ITEM  | DESCRIPCION                              | UND | VR. UNIT | VR. UNIT        | VR. UNIT | VR. UNIT | VR. UNIT |        |
| 18,24   | DUCHA SENCILLA (E)                       | UND | 70.964   | 73.185          | 75.768   | 73.741   | 72.630   |        |
| 18,25   | DUCHA MEZCLADORA LINEA MEDIA             | UND | 136.786  | 141.229         | 146.296  | 142.340  | 140.119  |        |
| 18,26   | GRIFO SENCILLO LAVAMANOS LIN ECON        | UND | 35.293   | 36.191          | 37.360   | 36.415   | 35.966   |        |
| 18,27   | GRIFO MEZCLA.LAVAM 4 PULG                | UND | 78.545   | 80.864          | 83.645   | 81.444   | 80.284   |        |
| 18,28   | GRIFO MEZCLA.LAVAMANOS 4 PULG LINEA MED  | UND | 87.545   | 90.224          | 93.375   | 90.894   | 89.554   |        |
| 18,29   | GRIFO ORINAL TRADICIONAL                 | UND | 120.593  | 124.903         | 129.587  | 125.980  | 123.825  |        |
| 18,30   | GRIFO ORINAL PARED PUSH 1/2 PULG + RACOR | UND | 146.223  | 151.558         | 157.297  | 152.892  | 150.224  |        |
| 18,31   | GRIFO SENCILLO LAVAPLATOS LINEA ECONOMIC | UND | 69.146   | 70.884          | 73.163   | 71.318   | 70.449   |        |
| 18,32   | GRIFO LAVAPLATOS MEZCLADOR 8 LINEA ECONO | UND | 78.545   | 80.864          | 83.645   | 81.444   | 80.284   |        |
| 18,33   | GRIFO MEZCLA.LAVAPLAT 8                  | UND | 98.545   | 101.664         | 105.269  | 102.444  | 100.884  |        |
| 18,34   | LLAVE TERMINAL CROMADA LIVIANA           | UND | 50.693   | 52.207          | 54.011   | 52.585   | 51.828   |        |
| 18,35   | LLAVE TERMINAL CROMADA ,1/2 PESADA       | UND | 55.373   | 57.074          | 59.071   | 57.499   | 56.649   |        |
| <b>19 VIDRIOS Y ESPEJOS</b>                                     |  |     |          |                 |          |          |          |        |
| 19,1  | VIDRIO TRANSPARENTE 4 MM                 | M2  | 88.571   | 91.906          | 95.445   | 92.740   | 91.073   |        |
| 19,2  | VIDRIO TRANSPARENTE 5 MM                 | M2  | 109.574  | 113.749         | 118.153  | 114.793  | 112.705  |        |
| 19,3  | VIDRIO TRANSPARENTE 6 MM                 | M2  | 134.768  | 139.952         | 145.394  | 141.248  | 138.656  |        |
| 19,4  | VIDRIO ESMERILADO DE 4MM                 | M2  | 100.378  | 104.175         | 108.190  | 105.124  | 103.226  |        |
| 19,5  | VIDRIO ESMERILADO DE 5MM                 | M2  | 105.628  | 109.635         | 113.866  | 110.637  | 108.633  |        |
| 19,6  | VIDRIO ESMERILADO DE 6MM                 | M2  | 120.328  | 124.923         | 129.760  | 126.072  | 123.774  |        |
| 19,7  | VIDRIO TEMPLADO INCOLORO 4 MM            | M2  | 165.478  | 171.879         | 178.576  | 173.479  | 170.279  |        |
| 19,8  | VIDRIO TEMPLADO INCOLORO 5 MM            | M2  | 183.328  | 190.443         | 197.875  | 192.222  | 188.664  |        |
| 19,9  | VIDRIO TEMPLADO INCOLORO 6 MM            | M2  | 214.828  | 223.203         | 231.933  | 225.297  | 221.109  |        |
| 19,10   | VIDRIO TEMPLADO INCOLORO 8 MM            | M2  | 221.128  | 229.755         | 238.745  | 231.912  | 227.598  |        |
| 19,11   | ESPEJO CLARO DE 3MM                      | M2  | 101.782  | 105.646         | 109.729  | 106.612  | 104.680  |        |
| 19,12   | ESPEJO CLARO DE 4 MM                     | M2  | 111.825  | 115.941         | 120.360  | 116.970  | 114.912  |        |
| <b>20 ARBORIZACION Y ZONAS VERDES</b>                           |  |     |          |                 |          |          |          |        |
| 20,1  | ARBOL NATIVO H= 80-100CM                 | UND | 60.548   | 62.728          | 65.089   | 63.273   | 62.183   |        |
| 20,2  | PALMA MANILA H=180-200CM                 | UND | 51.638   | 53.338          | 55.263   | 53.763   | 52.913   |        |
| 20,3  | PLANTA ORNAMENTAL GRANDE H= 50- 80CMS    | UND | 37.508   | 38.718          | 40.102   | 39.020   | 38.415   |        |
| 20,4  | PLANTA ORNAMENTAL PEQUENA H= 20- 40CM    | UND | 22.798   | 23.468          | 24.273   | 23.636   | 23.301   |        |
| 20,5  | ARBOL SWINGLEA PEQUE                     | UND | 9.229    | 9.453           | 9.752    | 9.509    | 9.397    |        |
| 20,6  | PRADO TRENZA                             | M2  | 12.728   | 13.121          | 13.581   | 13.219   | 13.023   |        |
| 20,7  | PRADO MANI FORRAGERO [6 MATAS/M2]        | M2  | 13.478   | 13.901          | 14.393   | 14.007   | 13.795   |        |
| 20,8  | PRADO CHINO                              | M2  | 24.478   | 25.341          | 26.285   | 25.557   | 25.125   |        |
| 20,9  | SUMINISTRO E INSTALACION TIERRA AGRICOLA | M3  | 81.293   | 83.093          | 85.638   | 83.543   | 82.643   |        |
| <b>21 MANTENIMIENTOS, ASEO Y LIMPIEZAS</b>                      |  |     |          |                 |          |          |          |        |
| 21,1  | LIMPIEZA GENERAL                         | M2  | 203      | 203             | 207      | 203      | 203      |        |
| 21,2  | LIMPIEZA LAVADO SUPERFICIE               | M2  | 952      | 956             | 976      | 957      | 955      |        |
| 21,3  | LIMPIEZA LAVADO SUPERFICIE- EQ.PRESION   | M2  | 2.415    | 2.435           | 2.491    | 2.439    | 2.430    |        |
| 21,4  | LIMPIEZA LAVADO PISO [AC.MURIATICO 10%]  | M2  | 1.176    | 1.194           | 1.226    | 1.198    | 1.189    |        |
| 21,5  | LIMPIEZA MURO LADRILLO LIMPIO            | M2  | 3.288    | 3.348           | 3.500    | 3.364    | 3.333    |        |
| 21,6  | LIMPIEZA ENCHAPE CERAMICO                | M2  | 1.308    | 1.308           | 1.387    | 1.308    | 1.308    |        |
| 21,7  | LIMPIEZA - RESANE CAJA INSPECCION        | UND | 8.686    | 8.555           | 8.696    | 8.581    | 8.528    |        |