## TAPADA DE 0.50 m. a 3.00 m.

| LUZ L | Altura H | ESPESORES a | ESPESORES b | BARRAS I DIAMETRO | SEP. | DIAM. | SEP. | C | BARRAS II DIAMETRO | SEP. | DIAM. | SEP. | d | e | f | g | BARRAS III DIAMETRO | SEP. | DIAM. | SEP. | h | i | BARRAS IV DIAMETRO | SEP. | DIAM. | SEP. | j | BARRAS V DIAMETRO | SEP. | DIAM. | SEP. | k | l | BARRAS VI DIAMETRO | SEP. | DIAM. | SEP. | BARRAS VII DIAMETRO | SEP. | DIAM. | SEP. | BARRAS VIII DIAMETRO | DIAM. | CANT. | vol. hor. pos. de alc.m/m² | peso hie. m pulg. pos. de alc.kg/m | peso hie. m mm pos. de alc.kg/m |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm. | cm. | cm. | cm. | pulg. | mm. | cm. | mm. | cm. | pulg. | mm. | cm. | mm. | cm. | cm. | cm. | cm. | pulg. | mm. | cm. | mm. | cm. | cm. | pulg. | mm. | cm. | mm. | cm. | cm. | pulg. | mm. | cm. | mm. | cm. | cm. | cm. | pulg. | mm. | cm. | mm. | cm. | pulg. | mm. | cm. | mm. | cm. | pulg. | mm. | mm. | --- | | | |
| 100 | 100 | 16 | 20 | 5/16 | 7.94 | 25 | 8 | 25 | 130 | 5/16 | 7.94 | 25 | 8 | 25 | 15 | 11.3 | 8 | 84 | 3/8 | 9.52 | 50 | 10 | 51 | 40 | 124 | 3/8 | 9.52 | 30 | 10 | 32 | 119 | 3/8 | 9.52 | 50 | 10 | 51 | 40 | 42 | 5/16 | 7.94 | 33 | 8 | 33 | 5/16 | 7.94 | 33 | 8 | 33 | 5/16 | 7.94 | 8 | 3 | | | |
| | 150 | 16 | 20 | 5/16 | 7.94 | 30 | 8 | 30 | 130 | 5/16 | 7.94 | 30 | 8 | 30 | 15 | 11.3 | 8 | 84 | 3/8 | 9.52 | 33 | 10 | 34 | 48 | 174 | 3/8 | 9.52 | 30 | 10 | 32 | 169 | 3/8 | 9.52 | 33 | 10 | 34 | 48 | 48 | 5/16 | 7.94 | 33 | 8 | 33 | 5/16 | 7.94 | 30 | 8 | 30 | 5/16 | 7.94 | 8 | 3 | | | |
| 150 | 100 | 16 | 20 | 1/2 | 12.70 | 33 | 12 | 29 | 178 | 1/2 | 12.70 | 33 | 12 | 29 | 25 | 11.3 | 8 | 112 | 3/8 | 9.52 | 25 | 10 | 26 | 57 | 124 | 3/8 | 9.52 | 30 | 10 | 32 | 119 | 3/8 | 9.52 | 25 | 10 | 26 | 57 | 45 | 3/8 | 9.52 | 30 | 10 | 30 | 3/8 | 9.52 | 33 | 10 | 33 | 3/8 | 9.52 | 10 | 3 | | | |
| | 150 | 16 | 20 | 1/2 | 12.70 | 30 | 12 | 26 | 178 | 1/2 | 12.70 | 30 | 12 | 26 | 25 | 11.3 | 8 | 112 | 3/8 | 9.52 | 33 | 10 | 34 | 57 | 174 | 3/8 | 9.52 | 30 | 10 | 32 | 169 | 3/8 | 9.52 | 33 | 10 | 34 | 57 | 55 | 3/8 | 9.52 | 30 | 10 | 30 | 3/8 | 9.52 | 30 | 10 | 30 | 3/8 | 9.52 | 10 | 3 | | | |
| | 200 | 18 | 20 | 1/2 | 12.70 | 33 | 12 | 29 | 178 | 1/2 | 12.70 | 33 | 12 | 29 | 25 | 14.1 | 18 | 112 | 1/2 | 12.70 | 50 | 12 | 46 | 57 | 228 | 3/8 | 9.52 | 30 | 10 | 32 | 223 | 1/2 | 12.70 | 50 | 12 | 46 | 57 | 70 | 3/8 | 9.52 | 30 | 10 | 30 | 3/8 | 9.52 | 33 | 10 | 33 | 3/8 | 9.52 | 10 | 3 | | | |
| 200 | 150 | 18 | 20 | 1/2 | 12.70 | 24 | 12 | 20 | 228 | 1/2 | 12.70 | 24 | 12 | 20 | 30 | 14.1 | 10 | 148 | 1/2 | 12.70 | 33 | 12 | 29 | 75 | 178 | 3/8 | 9.52 | 30 | 10 | 32 | 173 | 1/2 | 12.70 | 33 | 12 | 29 | 75 | 55 | 3/8 | 9.52 | 33 | 12 | 33 | 3/8 | 9.52 | 30 | 12 | 25 | 3/8 | 9.52 | 10 | 4 | | | |
| | 200 | 18 | 20 | 1/2 | 12.70 | 22 | 12 | 18 | 228 | 1/2 | 12.70 | 22 | 12 | 18 | 30 | 14.1 | 10 | 148 | 1/2 | 12.70 | 40 | 12 | 36 | 72 | 228 | 3/8 | 9.52 | 30 | 10 | 32 | 223 | 1/2 | 12.70 | 40 | 12 | 36 | 72 | 70 | 3/8 | 9.52 | 33 | 12 | 33 | 3/8 | 9.52 | 33 | 12 | 25 | 3/8 | 9.52 | 10 | 4 | | | |

## TAPADA DE 3.00 m. a 5.00 m.

| LUZ L | Altura H | ESPESORES a | ESPESORES b | BARRAS I DIAMETRO | SEP. | DIAM. | SEP. | C | BARRAS II DIAMETRO | SEP. | DIAM. | SEP. | d | e | f | g | BARRAS III DIAMETRO | SEP. | DIAM. | SEP. | h | i | BARRAS IV DIAMETRO | SEP. | DIAM. | SEP. | j | BARRAS V DIAMETRO | SEP. | DIAM. | SEP. | k | l | BARRAS VI DIAMETRO | SEP. | DIAM. | SEP. | BARRAS VII DIAMETRO | SEP. | DIAM. | SEP. | BARRAS VIII DIAMETRO | DIAM. | CANT. | vol. hor. pos. de alc.m/m² | peso hie. m pulg. pos. de alc.kg/m | peso hie. m mm pos. de alc.kg/m |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm. | cm. | cm. | cm. | pulg. | mm. | cm. | mm. | cm. | pulg. | mm. | cm. | mm. | cm. | cm. | cm. | cm. | pulg. | mm. | cm. | mm. | cm. | cm. | pulg. | mm. | cm. | mm. | cm. | cm. | pulg. | mm. | cm. | mm. | cm. | cm. | cm. | pulg. | mm. | cm. | mm. | cm. | pulg. | mm. | cm. | mm. | cm. | pulg. | mm. | mm. | --- | | | |
| 100 | 100 | 18 | 20 | 3/8 | 9.52 | 30 | 10 | 32 | 129 | 3/8 | 9.52 | 30 | 10 | 32 | 15 | 14.1 | 10 | 79 | 3/8 | 9.52 | 50 | 10 | 51 | 40 | 128 | 3/8 | 9.52 | 30 | 10 | 32 | 123 | 3/8 | 9.52 | 50 | 10 | 51 | 40 | 42 | 5/16 | 7.94 | 25 | 8 | 25 | 5/16 | 7.94 | 25 | 8 | 25 | 5/16 | 7.94 | 8 | 3 | | | |
| | 150 | 18 | 22 | 3/8 | 9.52 | 25 | 10 | 27 | 133 | 3/8 | 9.52 | 25 | 10 | 27 | 15 | 14.1 | 10 | 83 | 3/8 | 9.52 | 33 | 10 | 34 | 40 | 178 | 3/8 | 9.52 | 30 | 10 | 32 | 173 | 3/8 | 9.52 | 33 | 10 | 34 | 40 | 48 | 5/16 | 7.94 | 25 | 8 | 25 | 5/16 | 7.94 | 25 | 8 | 25 | 5/16 | 7.94 | 8 | 3 | | | |
| 150 | 100 | 18 | 20 | 1/2 | 12.70 | 24 | 12 | 20 | 178 | 1/2 | 12.70 | 24 | 12 | 20 | 25 | 14.1 | 10 | 108 | 1/2 | 12.70 | 33 | 12 | 29 | 57 | 128 | 3/8 | 9.52 | 30 | 10 | 32 | 123 | 1/2 | 12.70 | 33 | 12 | 29 | 57 | 45 | 3/8 | 9.52 | 25 | 10 | 30 | 3/8 | 9.52 | 25 | 10 | 25 | 3/8 | 9.52 | 10 | 3 | | | |
| | 150 | 18 | 20 | 1/2 | 12.70 | 24 | 12 | 20 | 178 | 1/2 | 12.70 | 24 | 12 | 20 | 25 | 14.1 | 10 | 108 | 1/2 | 12.70 | 40 | 12 | 36 | 57 | 178 | 3/8 | 9.52 | 30 | 10 | 32 | 173 | 1/2 | 12.70 | 40 | 12 | 36 | 57 | 55 | 3/8 | 9.52 | 25 | 10 | 30 | 3/8 | 9.52 | 25 | 10 | 25 | 3/8 | 9.52 | 10 | 3 | | | |
| | 200 | 20 | 22 | 5/8 | 15.88 | 40 | 16 | 41 | 180 | 5/8 | 15.88 | 40 | 16 | 41 | 25 | 17.0 | 12 | 106 | 1/2 | 12.70 | 50 | 12 | 46 | 57 | 232 | 3/8 | 9.52 | 30 | 10 | 32 | 226 | 1/2 | 12.70 | 50 | 12 | 46 | 57 | 70 | 3/8 | 9.52 | 25 | 10 | 30 | 1/2 | 12.70 | 25 | 12 | 25 | 3/8 | 9.52 | 10 | 3 | | | |
| 200 | 150 | 21 | 20 | 5/8 | 15.88 | 24 | 16 | 25 | 116 | 5/8 | 15.88 | 24 | 16 | 25 | 30 | 18.4 | 13 | 140 | 1/2 | 12.70 | 22 | 12 | 18 | 70 | 184 | 3/8 | 9.52 | 30 | 10 | 32 | 179 | 1/2 | 12.70 | 22 | 12 | 18 | 70 | 55 | 1/2 | 12.70 | 25 | 12 | 25 | 3/8 | 9.52 | 25 | 10 | 25 | 3/8 | 9.52 | 10 | 4 | | | |
| | 200 | 26 | 22 | 3/4 | 19.05 | 30 | 20 | 34 | 228 | 3/4 | 19.05 | 30 | 20 | 34 | 30 | 25.2 | 18 | 132 | 1/2 | 12.70 | 40 | 12 | 36 | 65 | 244 | 3/8 | 9.52 | 30 | 10 | 32 | 239 | 1/2 | 12.70 | 40 | 12 | 36 | 65 | 70 | 1/2 | 12.70 | 25 | 12 | 25 | 1/2 | 12.70 | 25 | 12 | 25 | 3/8 | 9.52 | 10 | 4 | | | |

## TAPADA DE 5.00 m. a 7.50 m.

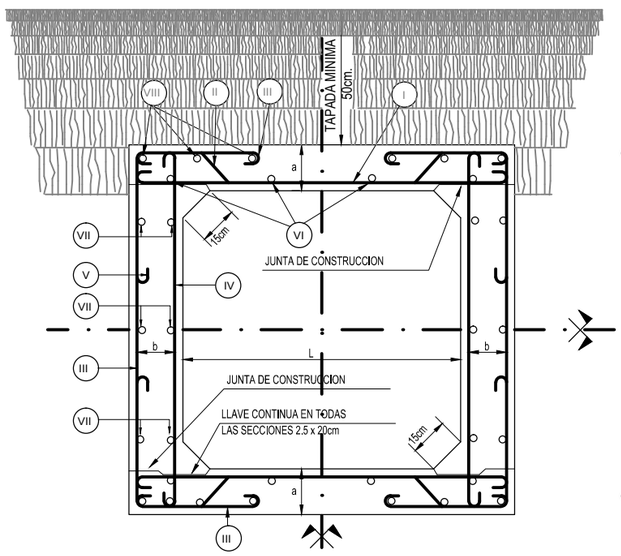
| LUZ L | Altura H | ESPESORES a | ESPESORES b | BARRAS I DIAMETRO | SEP. | DIAM. | SEP. | C | BARRAS II DIAMETRO | SEP. | DIAM. | SEP. | d | e | f | g | BARRAS III DIAMETRO | SEP. | DIAM. | SEP. | h | i | BARRAS IV DIAMETRO | SEP. | DIAM. | SEP. | j | BARRAS V DIAMETRO | SEP. | DIAM. | SEP. | k | l | BARRAS VI DIAMETRO | SEP. | DIAM. | SEP. | BARRAS VII DIAMETRO | SEP. | DIAM. | SEP. | BARRAS VIII DIAMETRO | DIAM. | CANT. | vol. hor. pos. de alc.m/m² | peso hie. m pulg. pos. de alc.kg/m | peso hie. m mm pos. de alc.kg/m |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm. | cm. | cm. | cm. | pulg. | mm. | cm. | mm. | cm. | pulg. | mm. | cm. | mm. | cm. | cm. | cm. | cm. | pulg. | mm. | cm. | mm. | cm. | cm. | pulg. | mm. | cm. | mm. | cm. | cm. | pulg. | mm. | cm. | mm. | cm. | cm. | cm. | pulg. | mm. | cm. | mm. | cm. | pulg. | mm. | cm. | mm. | cm. | pulg. | mm. | mm. | --- | | | |
| 100 | 100 | 24 | 20 | 1/2 | 12.70 | 40 | 12 | 36 | 128 | 1/2 | 12.70 | 40 | 12 | 36 | 15 | 22.6 | 16 | 66 | 1/2 | 12.70 | 40 | 12 | 36 | 40 | 140 | 3/8 | 9.52 | 30 | 10 | 32 | 135 | 1/2 | 12.70 | 40 | 12 | 36 | 40 | 42 | 3/8 | 9.52 | 33 | 10 | 33 | 3/8 | 9.52 | 33 | 10 | 33 | 3/8 | 9.52 | 10 | 3 | | | |
| | 150 | 20 | 22 | 3/8 | 9.52 | 20 | 10 | 21 | 133 | 3/8 | 9.52 | 20 | 10 | 21 | 15 | 17.0 | 12 | 79 | 3/8 | 9.52 | 33 | 10 | 34 | 40 | 182 | 3/8 | 9.52 | 30 | 10 | 32 | 177 | 3/8 | 9.52 | 33 | 10 | 34 | 40 | 48 | 1/2 | 12.70 | 33 | 12 | 25 | 1/2 | 12.70 | 30 | 12 | 25 | 1/2 | 12.70 | 10 | 3 | | | |
| 150 | 100 | 22 | 20 | 5/8 | 15.88 | 25 | 16 | 25 | 176 | 5/8 | 15.88 | 25 | 16 | 25 | 25 | 19.8 | 14 | 98 | 1/2 | 12.70 | 33 | 12 | 29 | 55 | 136 | 3/8 | 9.52 | 30 | 10 | 32 | 131 | 1/2 | 12.70 | 33 | 12 | 29 | 55 | 45 | 1/2 | 12.70 | 33 | 12 | 25 | 1/2 | 12.70 | 30 | 12 | 25 | 1/2 | 12.70 | 12 | 3 | | | |
| | 150 | 22 | 20 | 5/8 | 15.88 | 25 | 16 | 25 | 176 | 5/8 | 15.88 | 25 | 16 | 25 | 25 | 19.8 | 14 | 98 | 1/2 | 12.70 | 28 | 12 | 24 | 57 | 186 | 3/8 | 9.52 | 30 | 10 | 32 | 181 | 1/2 | 12.70 | 28 | 12 | 24 | 57 | 55 | 1/2 | 12.70 | 30 | 12 | 25 | 1/2 | 12.70 | 30 | 12 | 25 | 1/2 | 12.70 | 12 | 3 | | | |
| | 200 | 22 | 22 | 5/8 | 15.88 | 28 | 16 | 28 | 180 | 5/8 | 15.88 | 28 | 16 | 28 | 25 | 19.8 | 14 | 102 | 1/2 | 12.70 | 40 | 12 | 36 | 57 | 236 | 3/8 | 9.52 | 30 | 10 | 32 | 231 | 1/2 | 12.70 | 40 | 12 | 36 | 57 | 70 | 1/2 | 12.70 | 30 | 12 | 25 | 1/2 | 12.70 | 25 | 12 | 25 | 1/2 | 12.70 | 12 | 3 | | | |
| 200 | 150 | 26 | 22 | 3/4 | 19.05 | 28 | 20 | 30 | 228 | 3/4 | 19.05 | 28 | 20 | 30 | 30 | 25.2 | 18 | 132 | 1/2 | 12.70 | 22 | 12 | 18 | 68 | 194 | 3/8 | 9.52 | 30 | 10 | 32 | 189 | 1/2 | 12.70 | 22 | 12 | 18 | 68 | 55 | 1/2 | 12.70 | 25 | 12 | 20 | 1/2 | 12.70 | 30 | 12 | 25 | 1/2 | 12.70 | 12 | 4 | | | |
| | 200 | 28 | 25 | 3/4 | 19.05 | 30 | 20 | 32 | 234 | 3/4 | 19.05 | 30 | 20 | 32 | 30 | 28.1 | 20 | 134 | 1/2 | 12.70 | 28 | 12 | 24 | 70 | 248 | 3/8 | 9.52 | 30 | 10 | 32 | 243 | 1/2 | 12.70 | 28 | 12 | 24 | 70 | 70 | 1/2 | 12.70 | 25 | 12 | 20 | 1/2 | 12.70 | 25 | 12 | 25 | 1/2 | 12.70 | 12 | 4 | | | |

## TAPADA DE 7.50 m. a 10.00 m.

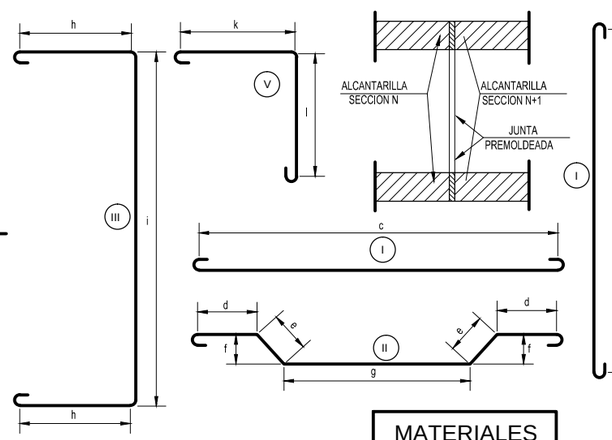
| LUZ L | Altura H | ESPESORES a | ESPESORES b | BARRAS I DIAMETRO | SEP. | DIAM. | SEP. | C | BARRAS II DIAMETRO | SEP. | DIAM. | SEP. | d | e | f | g | BARRAS III DIAMETRO | SEP. | DIAM. | SEP. | h | i | BARRAS IV DIAMETRO | SEP. | DIAM. | SEP. | j | BARRAS V DIAMETRO | SEP. | DIAM. | SEP. | k | l | BARRAS VI DIAMETRO | SEP. | DIAM. | SEP. | BARRAS VII DIAMETRO | SEP. | DIAM. | SEP. | BARRAS VIII DIAMETRO | DIAM. | CANT. | vol. hor. pos. de alc.m/m² | peso hie. m pulg. pos. de alc.kg/m | peso hie. m mm pos. de alc.kg/m |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm. | cm. | cm. | cm. | pulg. | mm. | cm. | mm. | cm. | pulg. | mm. | cm. | mm. | cm. | cm. | cm. | cm. | pulg. | mm. | cm. | mm. | cm. | cm. | pulg. | mm. | cm. | mm. | cm. | cm. | pulg. | mm. | cm. | mm. | cm. | cm. | cm. | pulg. | mm. | cm. | mm. | cm. | pulg. | mm. | cm. | mm. | cm. | pulg. | mm. | mm. | --- | | | |
| 100 | 100 | 26 | 20 | 5/8 | 15.88 | 40 | 16 | 40 | 126 | 5/8 | 15.88 | 40 | 16 | 40 | 15 | 25.1 | 18 | 60 | 1/2 | 12.70 | 40 | 12 | 36 | 40 | 144 | 3/8 | 9.52 | 30 | 10 | 32 | 139 | 1/2 | 12.70 | 40 | 12 | 36 | 40 | 42 | 1/2 | 12.70 | 33 | 12 | 25 | 1/2 | 12.70 | 33 | 12 | 25 | 1/2 | 12.70 | 12 | 3 | | | |
| | 150 | 22 | 22 | 1/2 | 12.70 | 25 | 12 | 21 | 132 | 1/2 | 12.70 | 25 | 12 | 21 | 15 | 19.8 | 14 | 74 | 3/8 | 9.52 | 33 | 10 | 34 | 40 | 186 | 3/8 | 9.52 | 30 | 10 | 32 | 181 | 3/8 | 9.52 | 33 | 10 | 34 | 40 | 48 | 1/2 | 12.70 | 33 | 12 | 25 | 1/2 | 12.70 | 30 | 12 | 25 | 1/2 | 12.70 | 12 | 3 | | | |
| 150 | 100 | 28 | 20 | 5/8 | 15.88 | 25 | 16 | 25 | 176 | 5/8 | 15.88 | 25 | 16 | 25 | 25 | 28.1 | 20 | 86 | 1/2 | 12.70 | 25 | 12 | 21 | 55 | 148 | 3/8 | 9.52 | 30 | 10 | 32 | 143 | 1/2 | 12.70 | 25 | 12 | 21 | 55 | 45 | 1/2 | 12.70 | 30 | 12 | 25 | 1/2 | 12.70 | 33 | 12 | 25 | 1/2 | 12.70 | 12 | 3 | | | |
| | 150 | 26 | 20 | 5/8 | 15.88 | 25 | 16 | 25 | 176 | 5/8 | 15.88 | 25 | 16 | 25 | 25 | 25.2 | 18 | 90 | 1/2 | 12.70 | 28 | 12 | 24 | 55 | 194 | 3/8 | 9.52 | 30 | 10 | 32 | 189 | 1/2 | 12.70 | 28 | 12 | 24 | 55 | 55 | 1/2 | 12.70 | 30 | 12 | 25 | 1/2 | 12.70 | 30 | 12 | 25 | 1/2 | 12.70 | 12 | 3 | | | |
| | 200 | 24 | 22 | 3/4 | 19.05 | 30 | 20 | 32 | 178 | 3/4 | 19.05 | 30 | 20 | 32 | 25 | 22.6 | 16 | 96 | 1/2 | 12.70 | 33 | 12 | 29 | 55 | 240 | 3/8 | 9.52 | 30 | 10 | 32 | 235 | 1/2 | 12.70 | 33 | 12 | 29 | 55 | 70 | 1/2 | 12.70 | 30 | 12 | 25 | 1/2 | 12.70 | 25 | 12 | 25 | 1/2 | 12.70 | 12 | 3 | | | |
| 200 | 150 | 28 | 23 | 3/4 | 19.05 | 22 | 20 | 24 | 230 | 3/4 | 19.05 | 22 | 20 | 24 | 30 | 28.1 | 20 | 130 | 5/8 | 15.88 | 30 | 16 | 30 | 68 | 198 | 3/8 | 9.52 | 30 | 10 | 32 | 193 | 5/8 | 15.88 | 30 | 16 | 30 | 68 | 55 | 1/2 | 12.70 | 25 | 12 | 20 | 1/2 | 12.70 | 30 | 12 | 25 | 1/2 | 12.70 | 12 | 4 | | | |
| | 200 | 36 | 32 | 3/4 | 19.05 | 28 | 20 | 30 | 248 | 3/4 | 19.05 | 28 | 20 | 30 | 30 | 39.6 | 28 | 132 | 1/2 | 12.70 | 28 | 12 | 24 | 70 | 264 | 3/8 | 9.52 | 30 | 10 | 32 | 259 | 1/2 | 12.70 | 28 | 12 | 24 | 70 | 70 | 1/2 | 12.70 | 25 | 12 | 25 | 1/2 | 12.70 | 25 | 12 | 25 | 1/2 | 12.70 | 12 | 4 | | | |

PARA CONSTRUIR LA ALCANTARILLA, SE LA DIVIDIRA LONGITUDINALMENTE EN SECCIONES NO MENORES DE 5.00m. DE LARGO NI MAYORES DE 10.00m. ENTRE CADA DOS PARTES CONSECUTIVAS SE INTERCALARA (SEGUN DETALLE) UNA JUNTA PREMOLDEADA DE 1.5cm. DE ESPESOR Y DE MATERIAL ASFALTICO Ó ALQUITRAN SEGUN ESPECIFICACION.

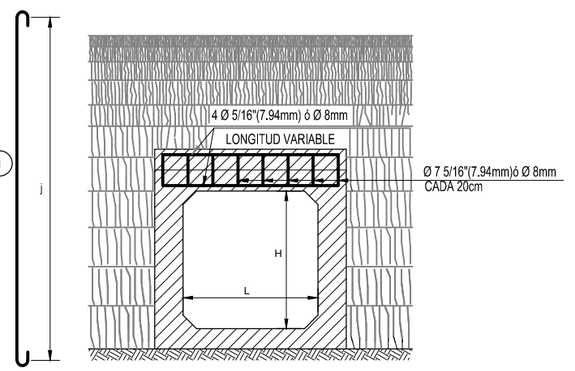
**NOTA:** LA TAPADA DE TIERRA MINIMA SOBRE LA ALCANTARILLA SERA DE 0.50m. CUANDO SE TEMAN DESGASTES PRODUCIDOS POR EL ARRASTRE DE GRAVA SE AÑADIRAN 2cm. A LOS RECUBRIMIENTOS DE LAS PAREDES LATERALES Y DE LA LOSA DEL FONDO. LA PENDIENTE MINIMA DEL LECHO DA LA ALCANTARILLA SERA DEL 2% Y LA MAXIMA DE 20%. TODAS LAS ARISTAS EXPUESTAS SE ACHAFLANARAN 2.5cm.



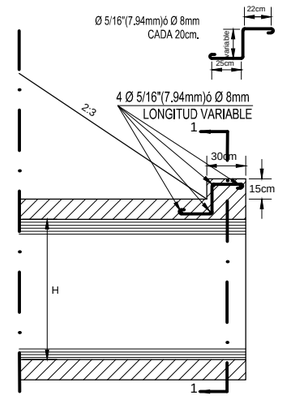

### DETALLE DE LA JUNTA




### CORTE 1-1




### DINTEL




**MATERIALES**
HORMIGÓN H21
ACERO ADN420

PLANO A AGREGAR: J-2557 MURO DE VUELTA Y ALA

Ministerio de Transporte
Presidencia de la Nación
VIALIDAD NACIONAL

UNGARO, ALE ORTIZ INGENIEROS ASOCIADOS S.A.

# ALCANTARILLA CAJON PARA LUCES ALTURAS Y TAPADAS DE TIERRA VARIABLE

PLANO TIPO: X-372

ES COPIA FIEL DE SU ORIGINAL