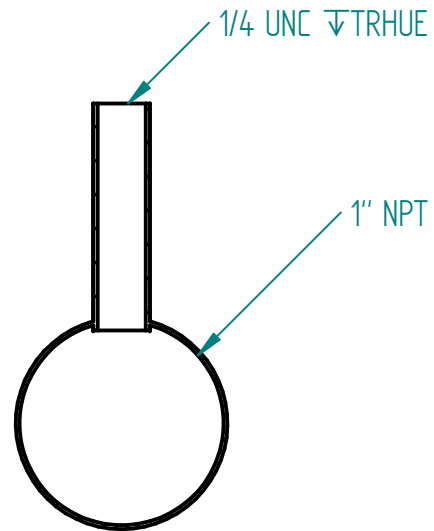
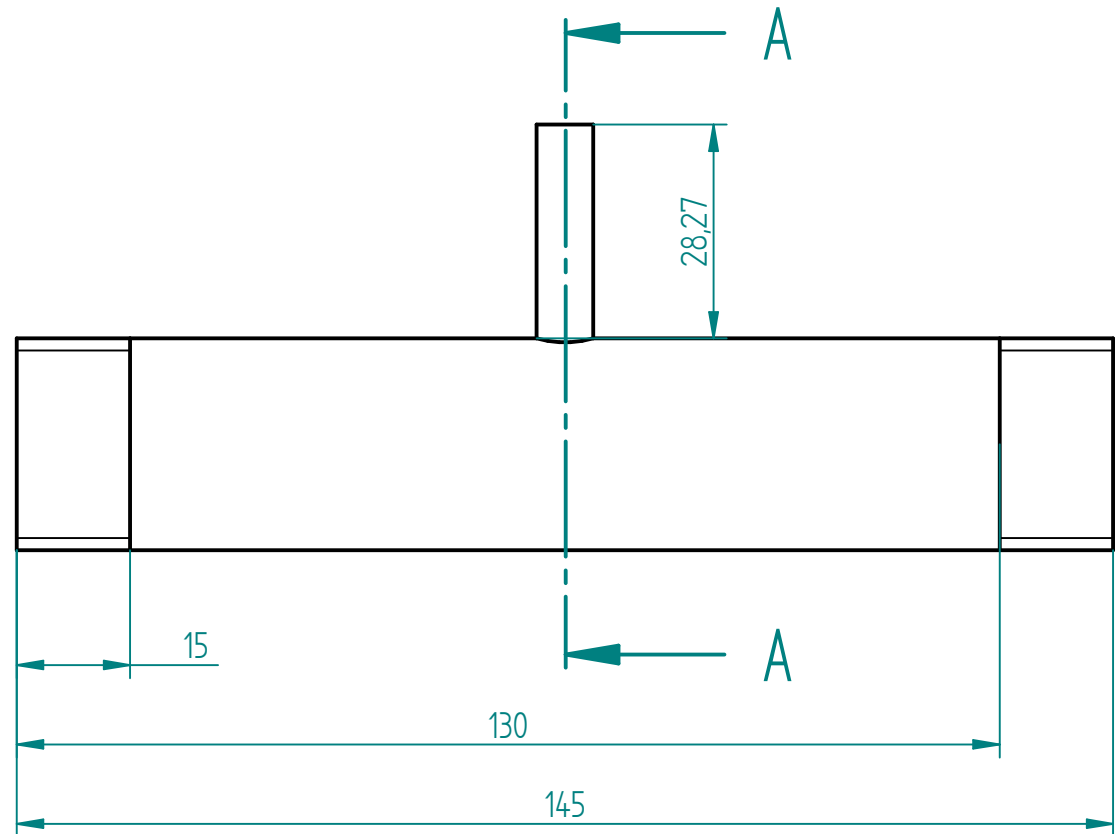




SECTION A-A



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| <b>EMPRESA:</b><br> <b>UNIVERSIDAD SANTO TOMÁS</b><br><b>Facultad INGENIERÍA MECÁNICA</b>                                                                                                                                                                                                                                                                                            |                 |       |            | Si no se indica lo contrario:<br>- Las cotas se expresan en <b>mm</b><br>- Tolerancias:<br>lineal: $\pm 0.1$<br>angular: $\pm 1^\circ$ |        | Proyecto:                               |       |         |                |  |            |        |                |  |            |        |                 |  |            |          |                |  |            |                                                                                                                                                            |  |    |         |     |         |  |                                                                                                |  |          |     |      |   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------|------------|----------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------------------------------|-------|---------|----------------|--|------------|--------|----------------|--|------------|--------|-----------------|--|------------|----------|----------------|--|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|---------|-----|---------|--|------------------------------------------------------------------------------------------------|--|----------|-----|------|---|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |       |            |                                                                                                                                        |        | Banco de bombas Universidad Santo Tomas |       |         |                |  |            |        |                |  |            |        |                 |  |            |          |                |  |            |                                                                                                                                                            |  |    |         |     |         |  |                                                                                                |  |          |     |      |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |       |            |                                                                                                                                        |        | Cod. Proyecto:                          |       |         |                |  |            |        |                |  |            |        |                 |  |            |          |                |  |            |                                                                                                                                                            |  |    |         |     |         |  |                                                                                                |  |          |     |      |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |       |            |                                                                                                                                        |        | 2162813                                 |       |         |                |  |            |        |                |  |            |        |                 |  |            |          |                |  |            |                                                                                                                                                            |  |    |         |     |         |  |                                                                                                |  |          |     |      |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |       |            | MATERIAL:                                                                                                                              |        | Nombre:                                 |       |         |                |  |            |        |                |  |            |        |                 |  |            |          |                |  |            |                                                                                                                                                            |  |    |         |     |         |  |                                                                                                |  |          |     |      |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |       |            |                                                                                                                                        |        | Tuberia y accesorios                    |       |         |                |  |            |        |                |  |            |        |                 |  |            |          |                |  |            |                                                                                                                                                            |  |    |         |     |         |  |                                                                                                |  |          |     |      |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |       |            | PESO:                                                                                                                                  |        | Cod. de Dibujo:                         |       |         |                |  |            |        |                |  |            |        |                 |  |            |          |                |  |            |                                                                                                                                                            |  |    |         |     |         |  |                                                                                                |  |          |     |      |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |       |            |                                                                                                                                        |        | niple 115 mm                            |       |         |                |  |            |        |                |  |            |        |                 |  |            |          |                |  |            |                                                                                                                                                            |  |    |         |     |         |  |                                                                                                |  |          |     |      |   |
| <table border="1"> <thead> <tr> <th></th> <th>NOMBRE</th> <th>FIRMA</th> <th>FECHA</th> </tr> </thead> <tbody> <tr> <td>DIBUJO:</td> <td>Andrés Micolta</td> <td></td> <td>25/10/2019</td> </tr> <tr> <td>VERIF:</td> <td>Nicolas Urrego</td> <td></td> <td>25/10/2019</td> </tr> <tr> <td>AFROB:</td> <td>Jesus Villareal</td> <td></td> <td>25/10/2019</td> </tr> <tr> <td>FABRICO:</td> <td>Andrés Micolta</td> <td></td> <td>25/10/2019</td> </tr> </tbody> </table> |                 |       |            |                                                                                                                                        | NOMBRE | FIRMA                                   | FECHA | DIBUJO: | Andrés Micolta |  | 25/10/2019 | VERIF: | Nicolas Urrego |  | 25/10/2019 | AFROB: | Jesus Villareal |  | 25/10/2019 | FABRICO: | Andrés Micolta |  | 25/10/2019 | <table border="1"> <tr> <td rowspan="2">A4</td> <td>ESCALA:</td> <td rowspan="2">1:1</td> <td rowspan="2">REPRES:</td> </tr> <tr> <td></td> </tr> </table> |  | A4 | ESCALA: | 1:1 | REPRES: |  | <table border="1"> <tr> <td>Hoja No.</td> <td>5/1</td> <td>Rev.</td> <td>1</td> </tr> </table> |  | Hoja No. | 5/1 | Rev. | 1 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | NOMBRE          | FIRMA | FECHA      |                                                                                                                                        |        |                                         |       |         |                |  |            |        |                |  |            |        |                 |  |            |          |                |  |            |                                                                                                                                                            |  |    |         |     |         |  |                                                                                                |  |          |     |      |   |
| DIBUJO:                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Andrés Micolta  |       | 25/10/2019 |                                                                                                                                        |        |                                         |       |         |                |  |            |        |                |  |            |        |                 |  |            |          |                |  |            |                                                                                                                                                            |  |    |         |     |         |  |                                                                                                |  |          |     |      |   |
| VERIF:                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Nicolas Urrego  |       | 25/10/2019 |                                                                                                                                        |        |                                         |       |         |                |  |            |        |                |  |            |        |                 |  |            |          |                |  |            |                                                                                                                                                            |  |    |         |     |         |  |                                                                                                |  |          |     |      |   |
| AFROB:                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Jesus Villareal |       | 25/10/2019 |                                                                                                                                        |        |                                         |       |         |                |  |            |        |                |  |            |        |                 |  |            |          |                |  |            |                                                                                                                                                            |  |    |         |     |         |  |                                                                                                |  |          |     |      |   |
| FABRICO:                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Andrés Micolta  |       | 25/10/2019 |                                                                                                                                        |        |                                         |       |         |                |  |            |        |                |  |            |        |                 |  |            |          |                |  |            |                                                                                                                                                            |  |    |         |     |         |  |                                                                                                |  |          |     |      |   |
| A4                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ESCALA:         | 1:1   | REPRES:    |                                                                                                                                        |        |                                         |       |         |                |  |            |        |                |  |            |        |                 |  |            |          |                |  |            |                                                                                                                                                            |  |    |         |     |         |  |                                                                                                |  |          |     |      |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |       |            |                                                                                                                                        |        |                                         |       |         |                |  |            |        |                |  |            |        |                 |  |            |          |                |  |            |                                                                                                                                                            |  |    |         |     |         |  |                                                                                                |  |          |     |      |   |
| Hoja No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5/1             | Rev.  | 1          |                                                                                                                                        |        |                                         |       |         |                |  |            |        |                |  |            |        |                 |  |            |          |                |  |            |                                                                                                                                                            |  |    |         |     |         |  |                                                                                                |  |          |     |      |   |