

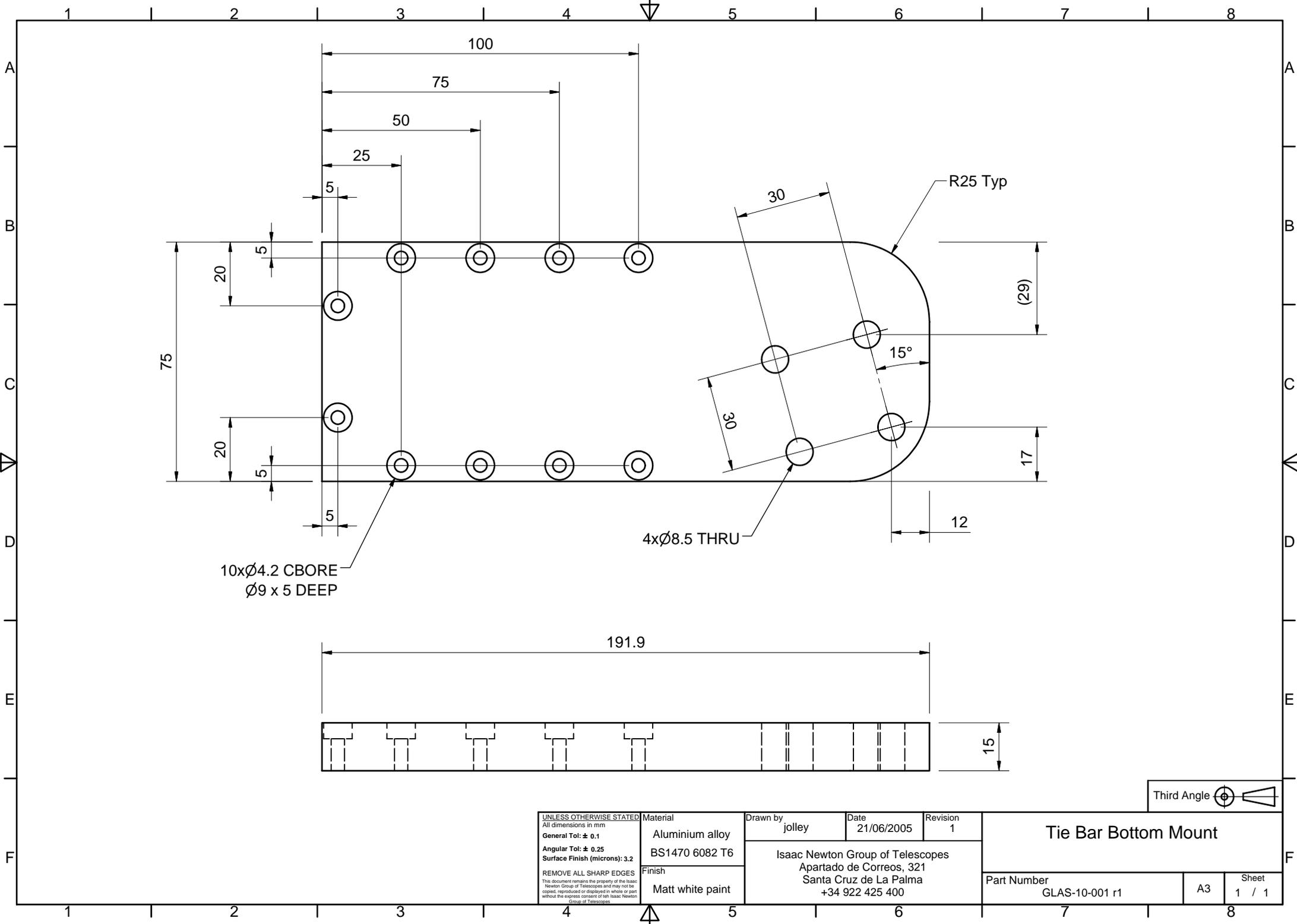
| 8    | 4   | BS 4168 - M8 x 20     | Hexagon Socket Head Cap Screw |
|------|-----|-----------------------|-------------------------------|
| 7    | 4   | BS 4464 - M8 Form A   | Spring Washer                 |
| 6    | 4   | BS 4320 - M8 (Form A) | Bright Washer                 |
| 5    | 14  | BS 4464 - M4 Form A   | Spring Washer                 |
| 4    | 14  | BS 4168 - M4 x 12     | Hexagon Socket Head Cap Screw |
| 3    | 1   | GLAS-10-003 r1        | Bottom mount base             |
| 2    | 2   | GLAS-10-002 r1        | Bottom mount web              |
| 1    | 1   | GLAS-10-001 r1        | Bottom mount                  |
| ITEM | QTY | PART NUMBER           | DESCRIPTION                   |

UNLESS OTHERWISE STATED  
 All dimensions in mm  
 General Tol:  $\pm 0.1$   
 Angular Tol:  $\pm 0.25$   
 Surface Finish (microns): 3.2  
 REMOVE ALL SHARP EDGES  
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|          |   |                    |               |
|----------|---|--------------------|---------------|
| Material | Drawn by<br>jolley  | Date<br>21/06/2005 | Revision<br>1 |
| Finish   | Isaac Newton Group of Telescopes<br>Apartado de Correos, 321<br>Santa Cruz de La Palma<br>+34 922 425 400 |                    |               |

Third Angle

|                                      |    |                |
|--------------------------------------|----|----------------|
| <b>Tie Bar Bottom Mount Assembly</b> |    |                |
| Part Number<br>GLAS-10-000 r1        | A3 | Sheet<br>1 / 1 |



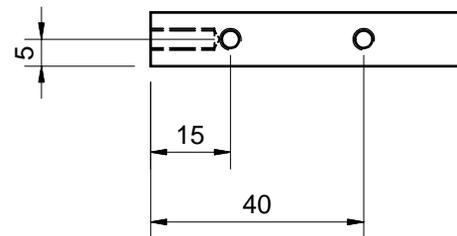
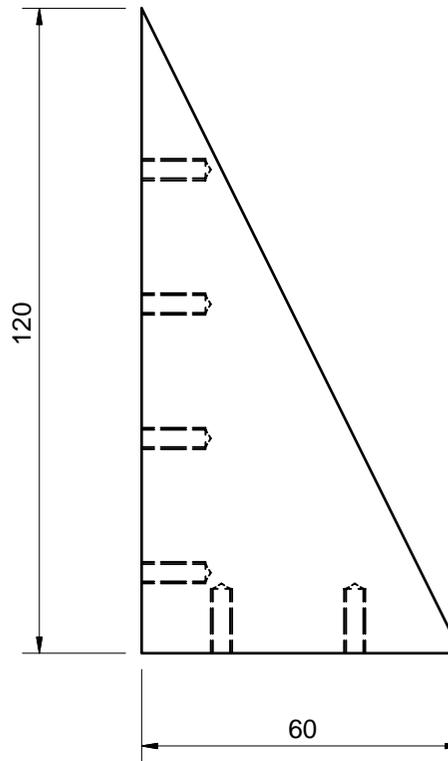
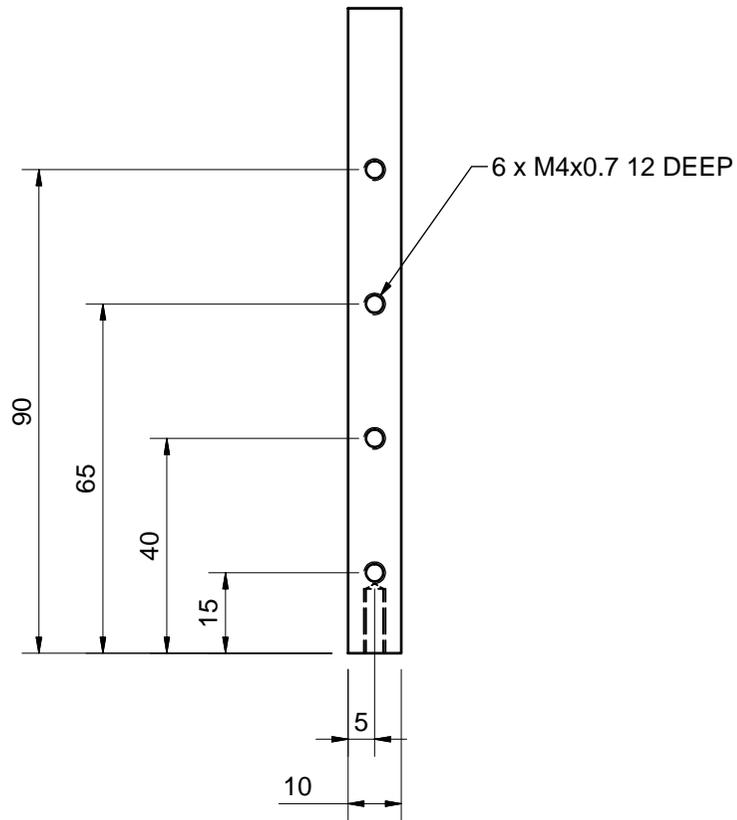
10xØ4.2 CBORE  
Ø9 x 5 DEEP

4xØ8.5 THRU

R25 Typ

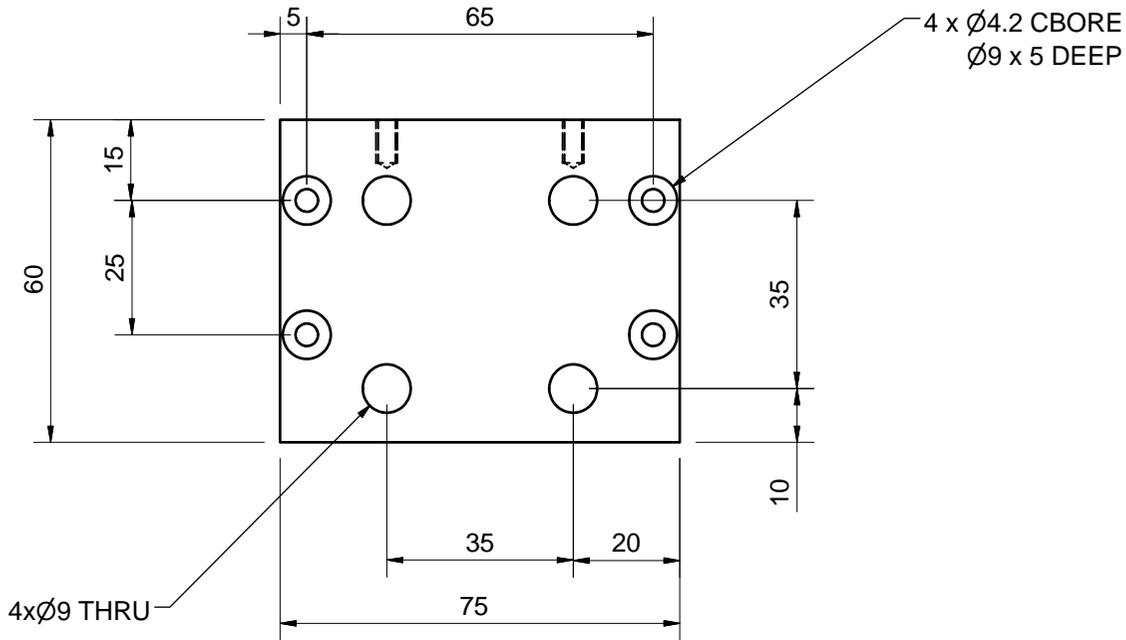
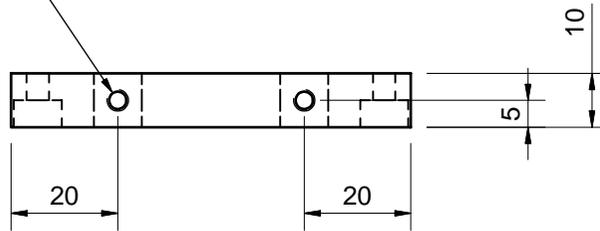


|  |                                   |   |            |          |                             |       |       |
|--|-----------------------------------|---|------------|----------|-----------------------------|-------|-------|
| <small>UNLESS OTHERWISE STATED</small><br>All dimensions in mm<br><b>General Tol: ± 0.1</b><br>Angular Tol: ± 0.25<br>Surface Finish (microns): 3.2<br>REMOVE ALL SHARP EDGES<br><small>This document remains the property of the Isaac Newton Group of Telescopes and may not be copied, reproduced or displayed in whole or part without the express consent of the Isaac Newton Group of Telescopes</small> | Material                          | Drawn by  | Date       | Revision | <b>Tie Bar Bottom Mount</b> |       |       |
|  | Aluminium alloy<br>BS1470 6082 T6 | jolley  | 21/06/2005 | 1        |                             |       |       |
|  | Finish                            | Isaac Newton Group of Telescopes<br>Apartado de Correos, 321<br>Santa Cruz de La Palma<br>+34 922 425 400 |            |          | Part Number                 | Sheet |       |
|  | Matt white paint                  |   |            |          | GLAS-10-001 r1              | A3    | 1 / 1 |



|   |                                   |   |            |                |                          |       |  |
|---|-----------------------------------|---|------------|----------------|--------------------------|-------|--|
| <small>UNLESS OTHERWISE STATED</small><br>All dimensions in mm<br>General Tol: $\pm 0.1$<br>Angular Tol: $\pm 0.25$<br>Surface Finish (microns): 3.2<br>REMOVE ALL SHARP EDGES<br><small>This document remains the property of the Isaac Newton Group of Telescopes and may not be copied, reproduced or displayed in whole or part without the express consent of the Isaac Newton Group of Telescopes</small> | Material                          | Drawn by  | Date       | Revision       | Tie Bar Bottom Mount Web |       |  |
|   | Aluminium alloy<br>BS1470 6082 T6 | jolley  | 21/06/2005 | 1              |                          |       |  |
|   | Finish                            | Isaac Newton Group of Telescopes<br>Apartado de Correos, 321<br>Santa Cruz de La Palma<br>+34 922 425 400 |            |                | Part Number              | Sheet |  |
| Matt white paint  |                                   |   |            | GLAS-10-002 r1 | A3                       | 1 / 1 |  |

2 x M4x0.7 8 DEEP

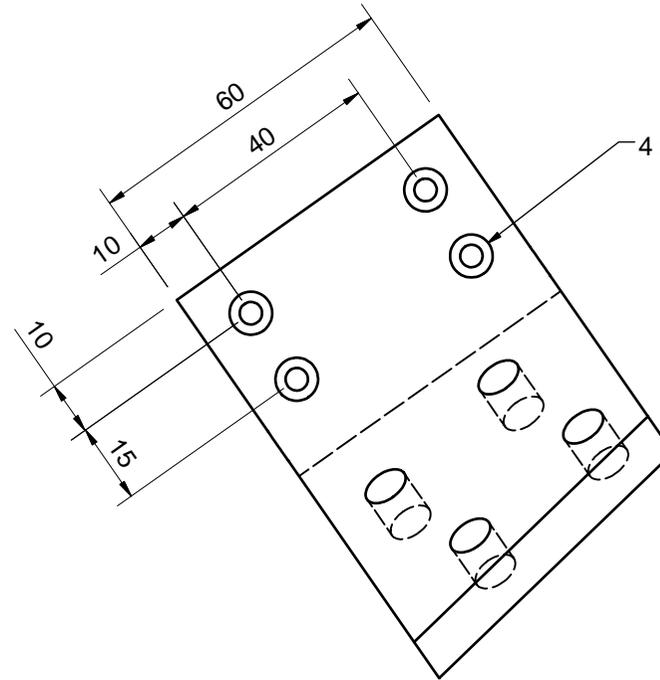
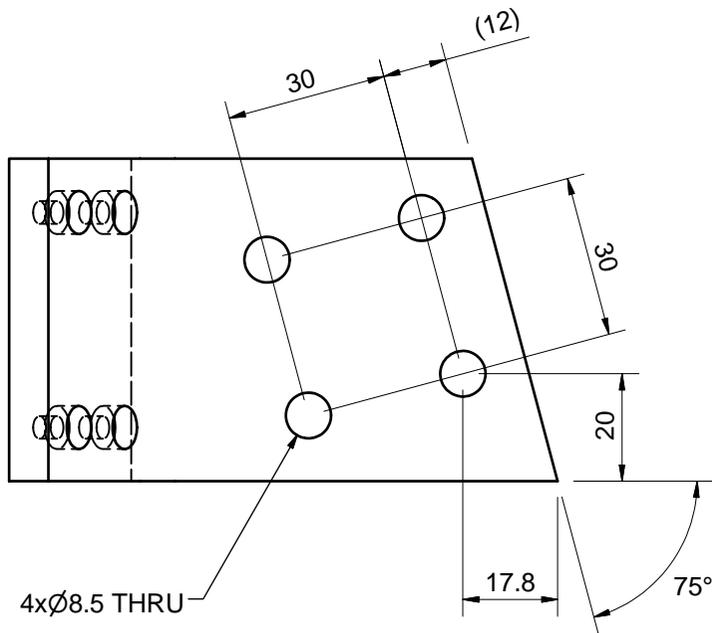


4 x  $\varnothing 4.2$  CBORE  
 $\varnothing 9$  x 5 DEEP

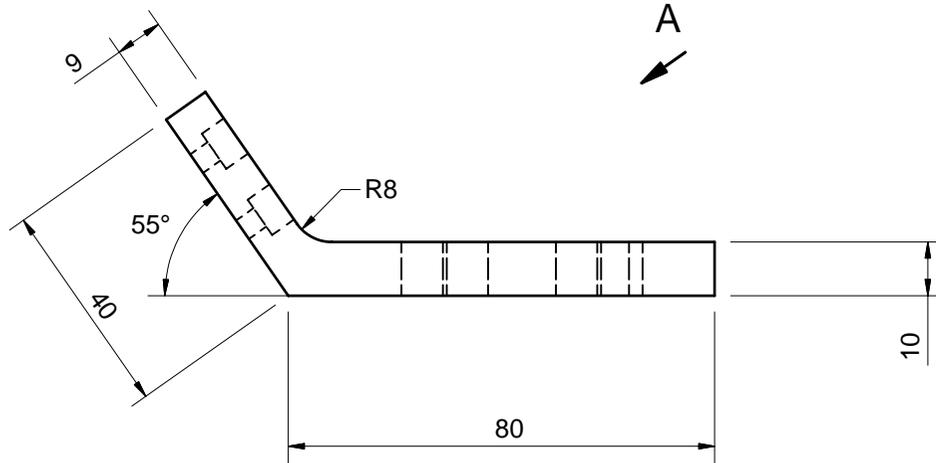
4x $\varnothing 9$  THRU



|   |   |          |            |                |                                  |       |  |
|---|---|----------|------------|----------------|----------------------------------|-------|--|
| <small>UNLESS OTHERWISE STATED</small><br>All dimensions in mm<br>General Tol: $\pm 0.1$<br>Angular Tol: $\pm 0.25$<br>Surface Finish (microns): 3.2<br>REMOVE ALL SHARP EDGES<br><small>This document remains the property of the Isaac Newton Group of Telescopes and may not be copied, reproduced or displayed in whole or part without the express consent of the Isaac Newton Group of Telescopes</small> | Material  | Drawn by | Date       | Revision       | <b>Tie Bar Bottom Mount Base</b> |       |  |
|   | Aluminium alloy<br>BS1470 6082 T6   | jolley   | 21/06/2005 | 1              |                                  |       |  |
| Finish  | Isaac Newton Group of Telescopes<br>Apartado de Correos, 321<br>Santa Cruz de La Palma<br>+34 922 425 400 |          |            | GLAS-10-003 r1 | A3                               | 1 / 1 |  |
| Matt white paint  |   |          |            |                |                                  |       |  |



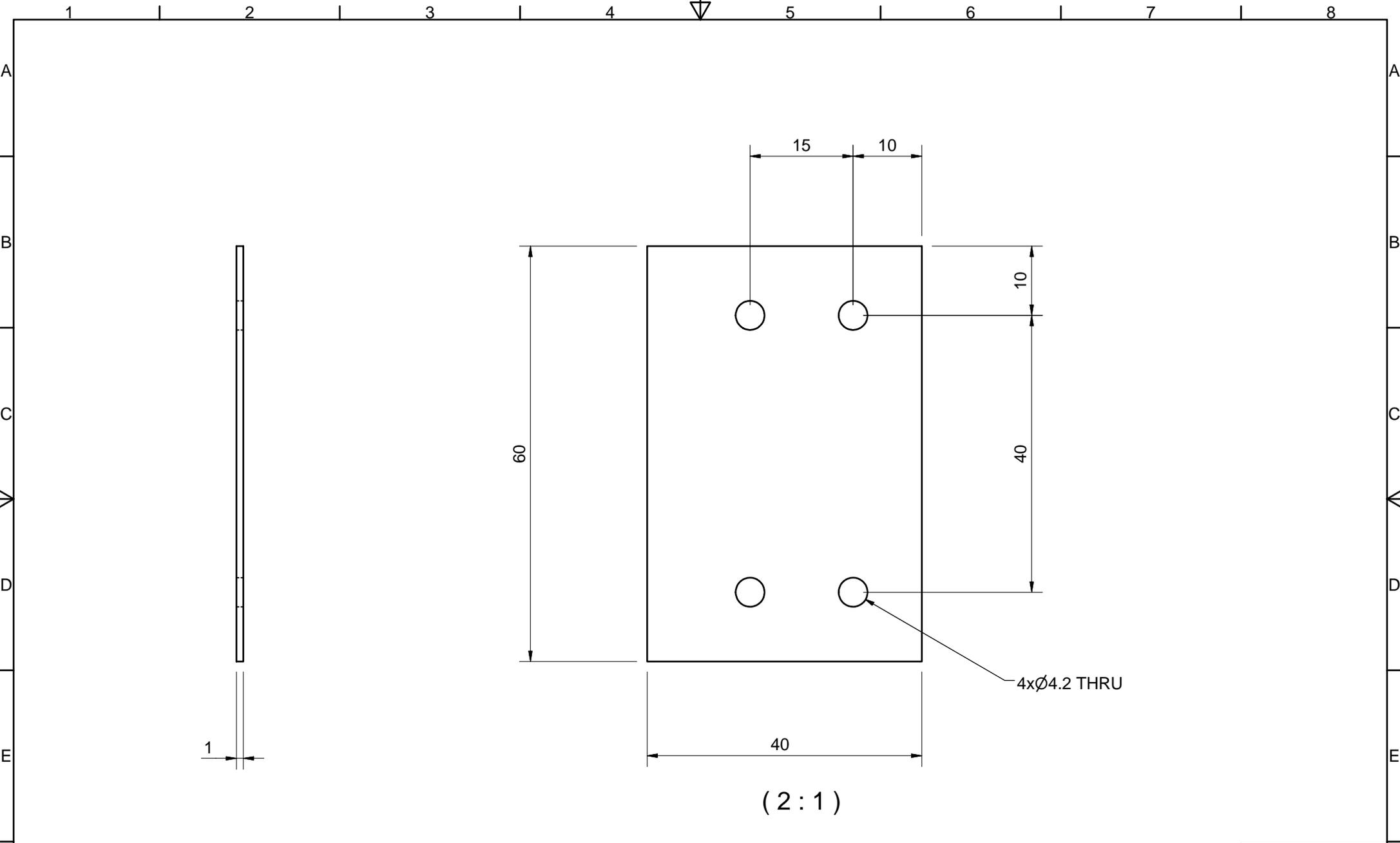
Auxiliary View on arrow A  
Showing hole details



A

Third Angle

|   |                                    |   |            |                |                   |       |  |
|---|------------------------------------|---|------------|----------------|-------------------|-------|--|
| <small>UNLESS OTHERWISE STATED</small><br>All dimensions in mm<br>General Tol: $\pm 0.1$<br>Angular Tol: $\pm 0.25$<br>Surface Finish (microns): 3.2<br>REMOVE ALL SHARP EDGES<br><small>This document remains the property of the Isaac Newton Group of Telescopes and may not be copied, reproduced or displayed in whole or part without the express consent of the Isaac Newton Group of Telescopes</small> | Material                           | Drawn by  | Date       | Revision       | Tie Bar Top Mount |       |  |
|   | Aluminium alloy<br>BS 1470 6082 T6 | jolley  | 21/06/2005 | 1              |                   |       |  |
|   | Finish                             | Isaac Newton Group of Telescopes<br>Apartado de Correos, 321<br>Santa Cruz de La Palma<br>+34 922 425 400 |            |                | Part Number       | Sheet |  |
| Matt white paint  |                                    |   |            | GLAS-10-004 r1 | A3                | 1 / 1 |  |



Third Angle

|   |              |   |            |                |                            |       |  |
|---|--------------|---|------------|----------------|----------------------------|-------|--|
| <small>UNLESS OTHERWISE STATED</small><br>All dimensions in mm<br>General Tol: $\pm 0.1$<br>Angular Tol: $\pm 0.25$<br>Surface Finish (microns): 3.2<br>REMOVE ALL SHARP EDGES<br><small>This document remains the property of the Isaac Newton Group of Telescopes and may not be copied, reproduced or displayed in whole or part without the express consent of the Isaac Newton Group of Telescopes</small> | Material     | Drawn by  | Date       | Revision       | Tie Bar Top Mount Isolator |       |  |
|   | Black Delrin | jolley  | 21/06/2005 | 1              |                            |       |  |
|   | Finish       | Isaac Newton Group of Telescopes<br>Apartado de Correos, 321<br>Santa Cruz de La Palma<br>+34 922 425 400 |            |                | Part Number                | Sheet |  |
| Clean   |              |   |            | GLAS-10-005 r1 | A3                         | 1 / 1 |  |