
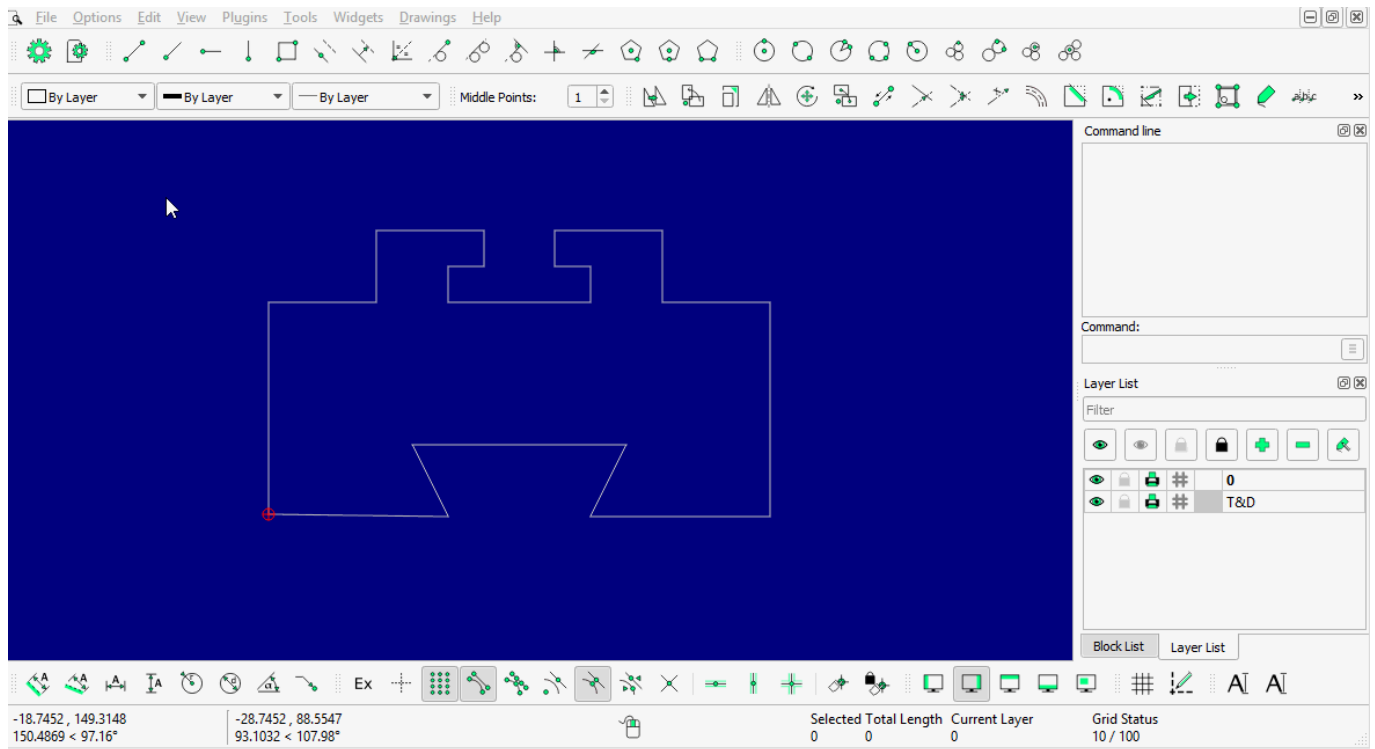


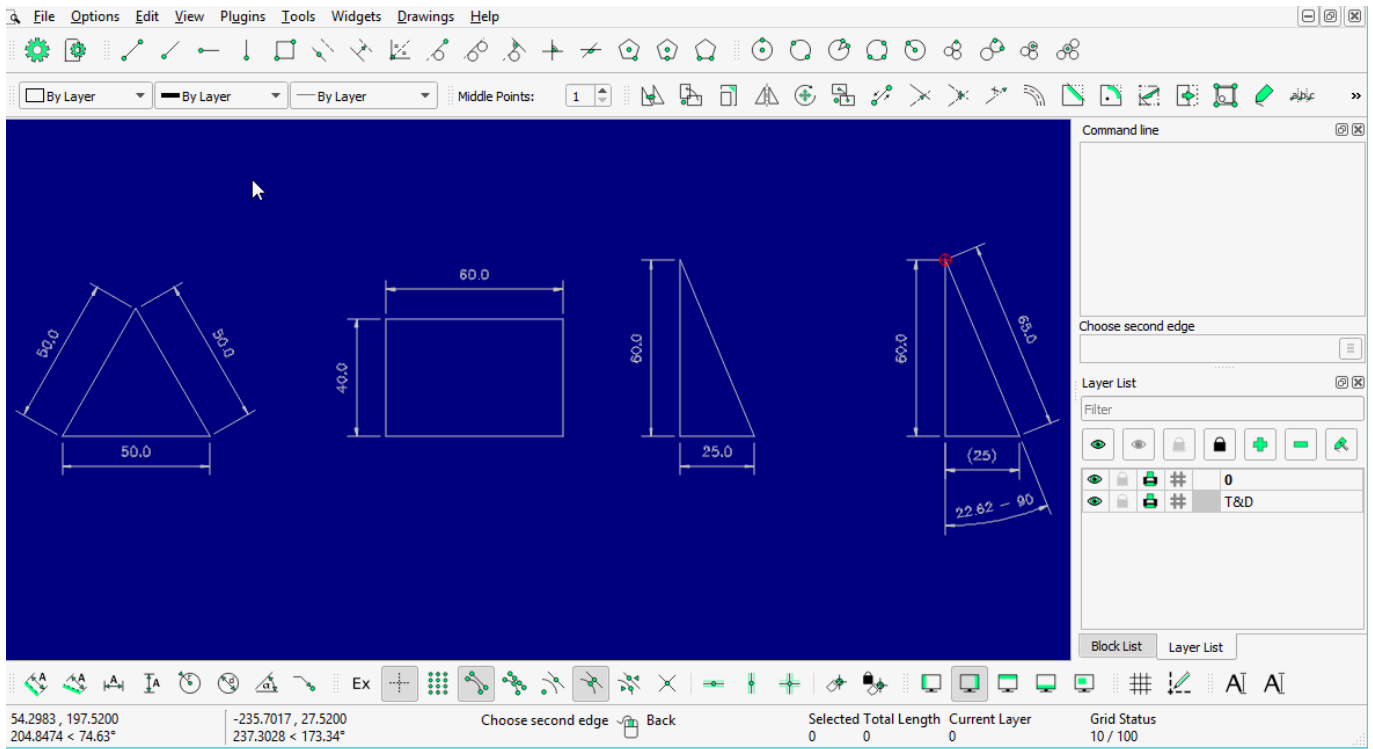
# LINE

## LINE: 2 Points



- click the  icon.
- specify **first point** (left-click).
- specify **second point**
- **Right-click** to 'back' or press 'Esc' to exit.





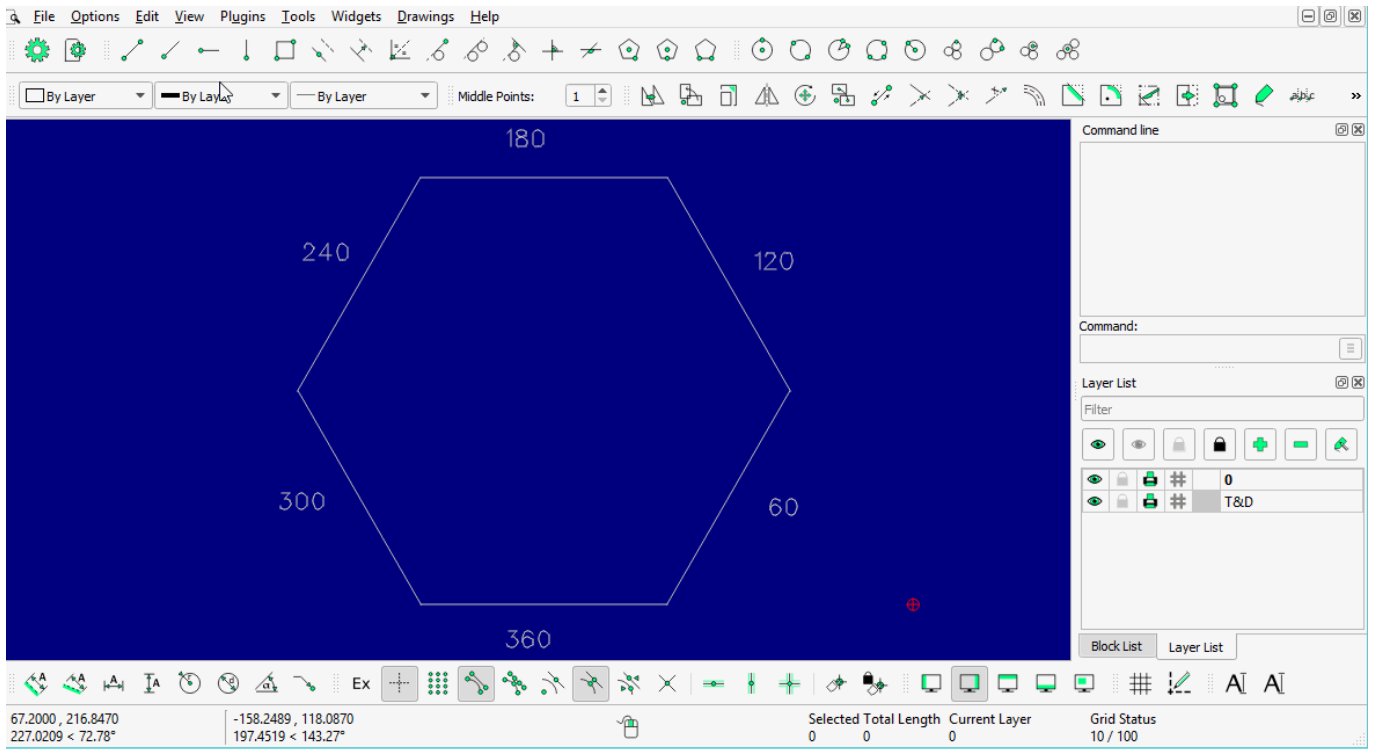
2 points with more detail (tips for drawing a specific length of a line; type the **BOLD** one into command-line).

- specify the First point (left-click).
- **@50<0** for straight line.
- **@50,50** for Square or **@50,30** for Rectangle.
- **@60<120** for 60mm line at 120 degrees. (try {-} (minus) symbol before 'degree' and see what happen!!)

## LINE: Angle



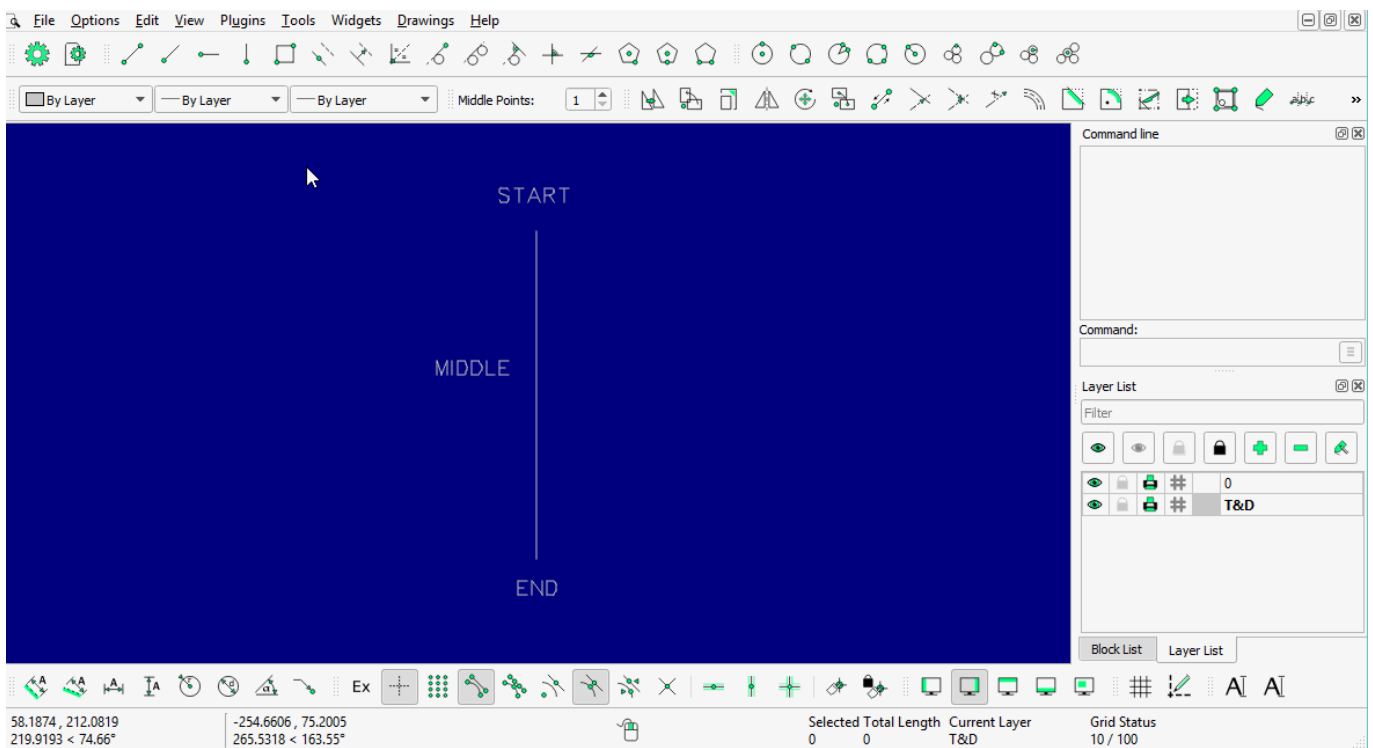
- click the icon
- enter **angle** (see 'tool option')
- enter **length**
- specify **start**, **middle**, or **end** snap point
  - specify **position**
- **Right-click** to 'back' or press 'Esc' to exit



## LINE: Horizontal



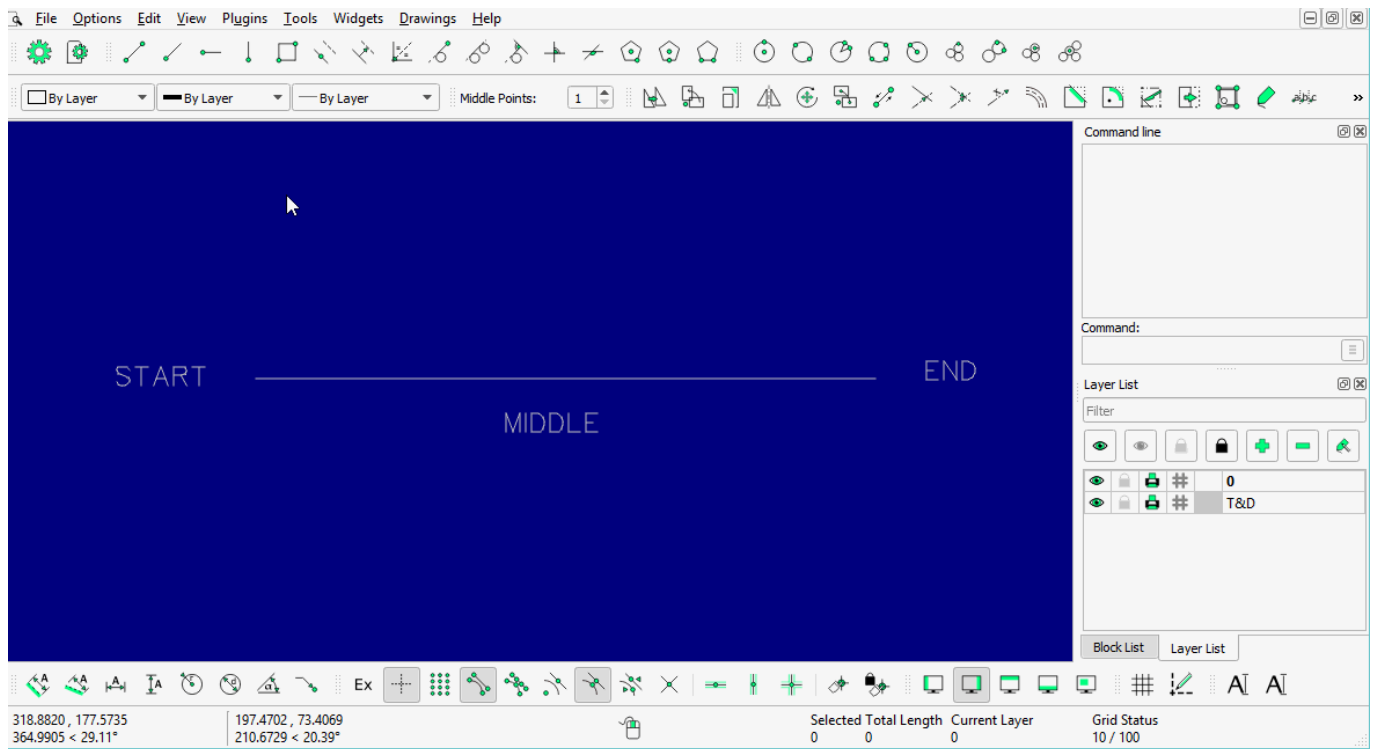
- click the icon
- enter **length**
- specify **start, middle, or end snap point**
  - specify **position**
- **Right-click** to 'back' or press 'Esc' to exit



## LINE: Vertical



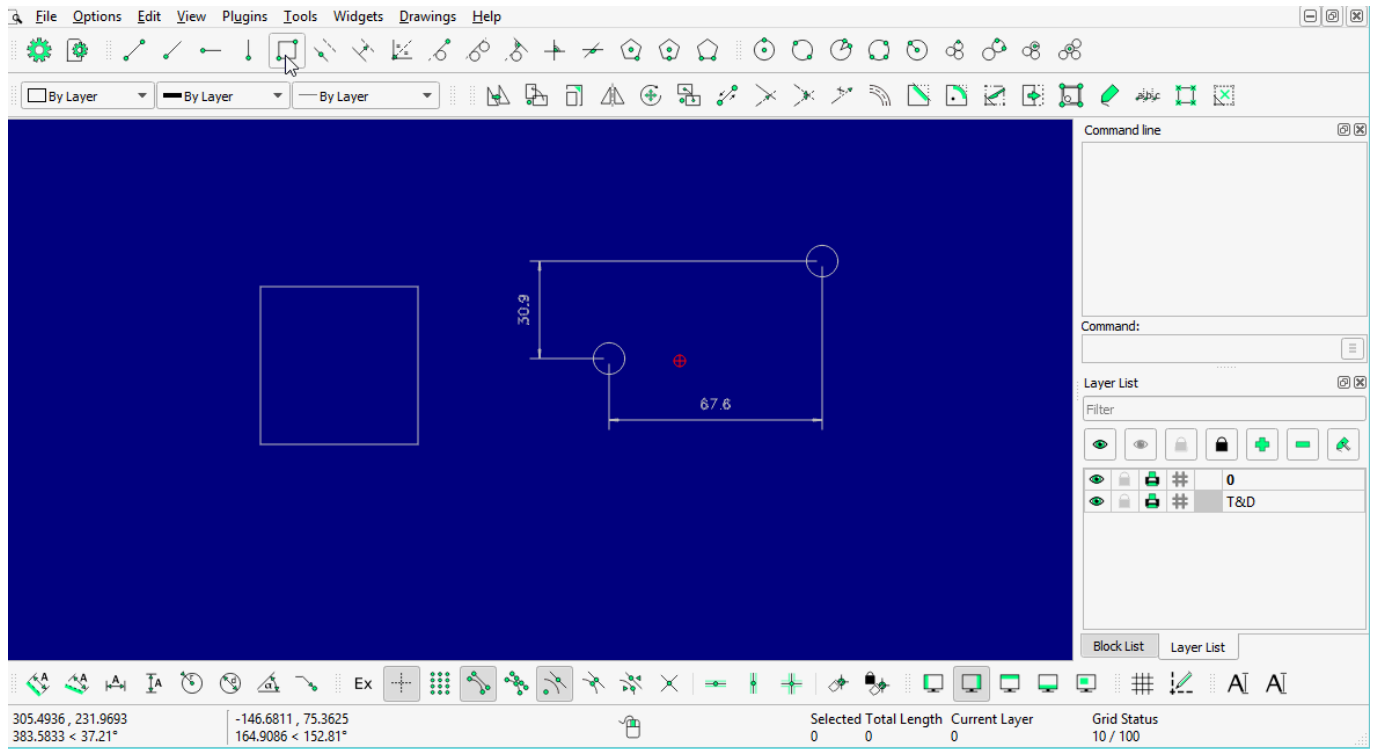
- click the icon
- enter **length**
- specify **start**, **middle**, or **end** snap point
  - specify **position**
- **Right-click** to 'back' or press 'Esc' to exit



## LINE: Rectangle



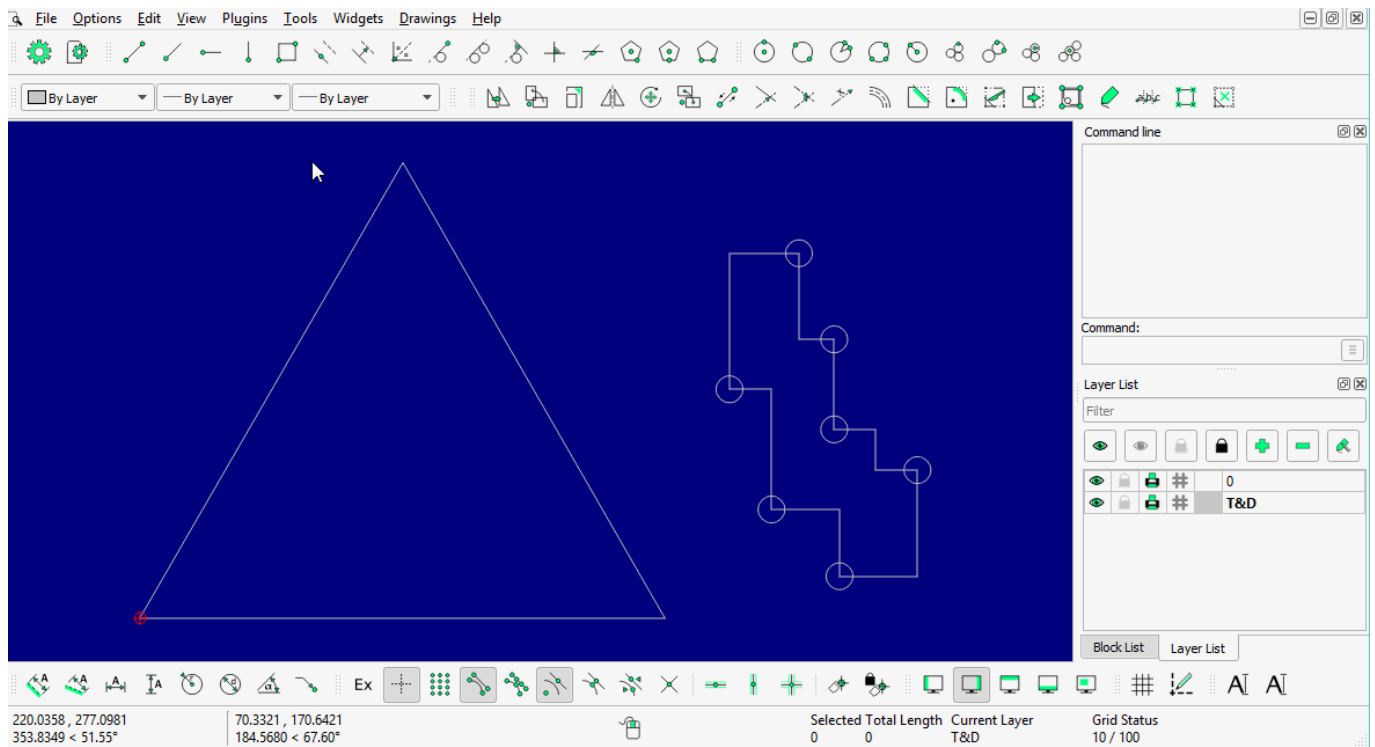
- click the icon
- specify **first corner**
- specify **second corner**
- **Right-click** to 'back' or press 'Esc' to exit



## LINE: Parallel through point




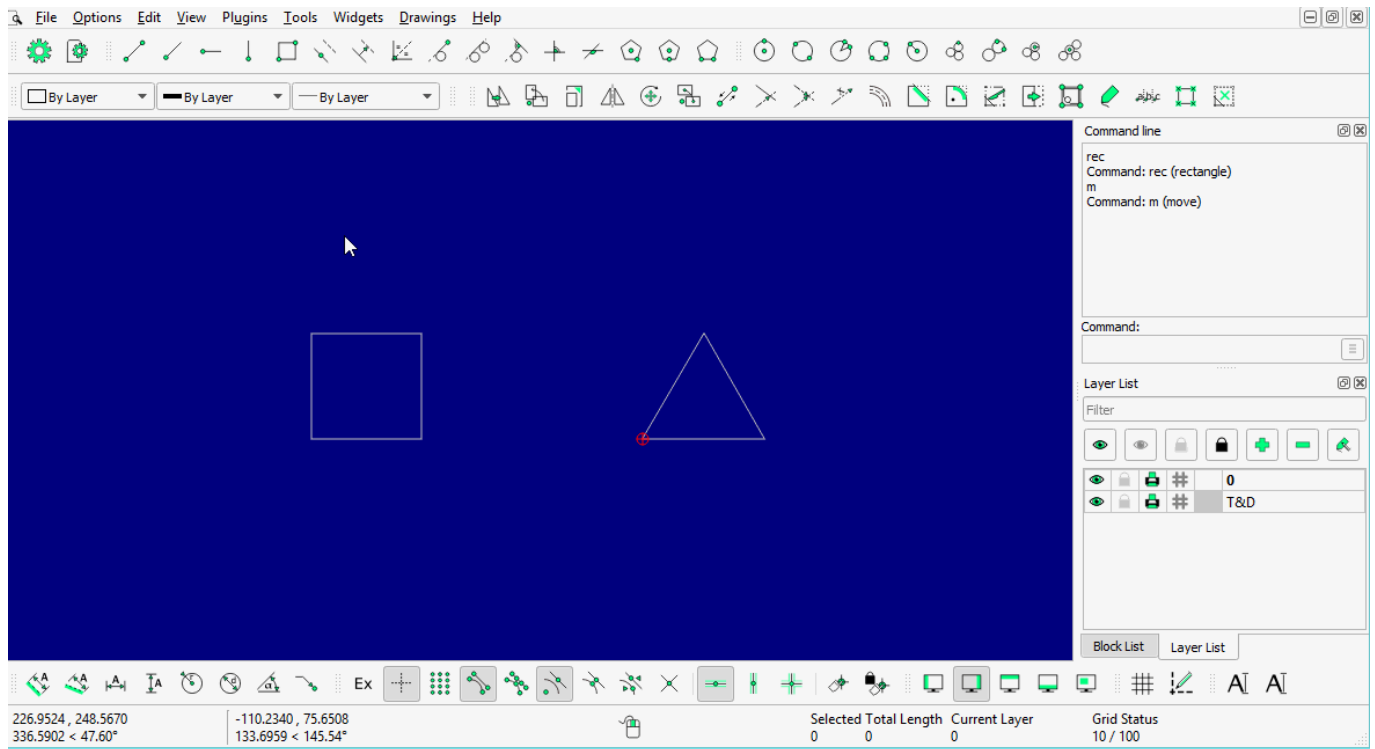
- click the icon
- select **entity**
- specify through **point** (click at specific point or anywhere to repeat the process)
- **Right-click** to 'back' or press 'Esc' to exit



## LINE: Parallel




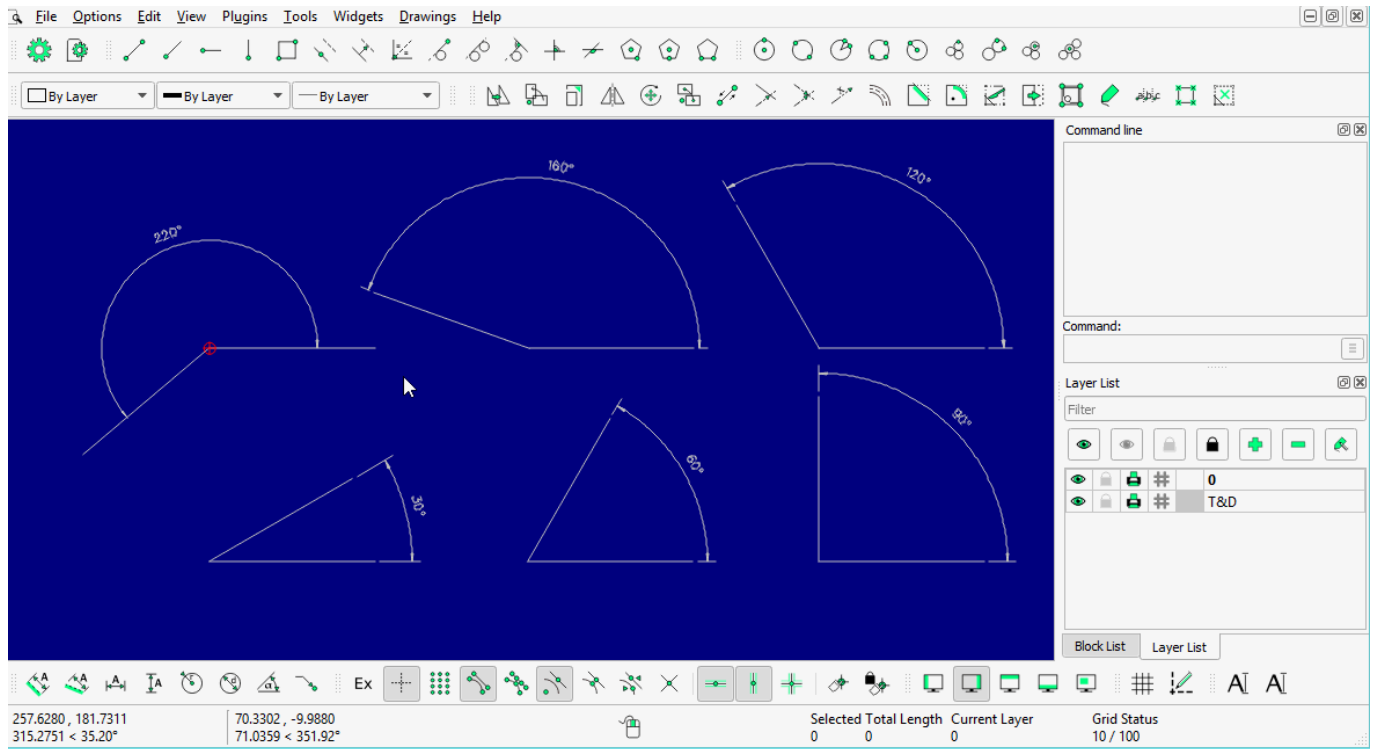
- click the  icon
- enter the **distance** and **number** of copies required OR
  - select **entities** and repeat it as required
- **Right-click** to 'back' or press 'Esc' to exit



## LINE: Bisector



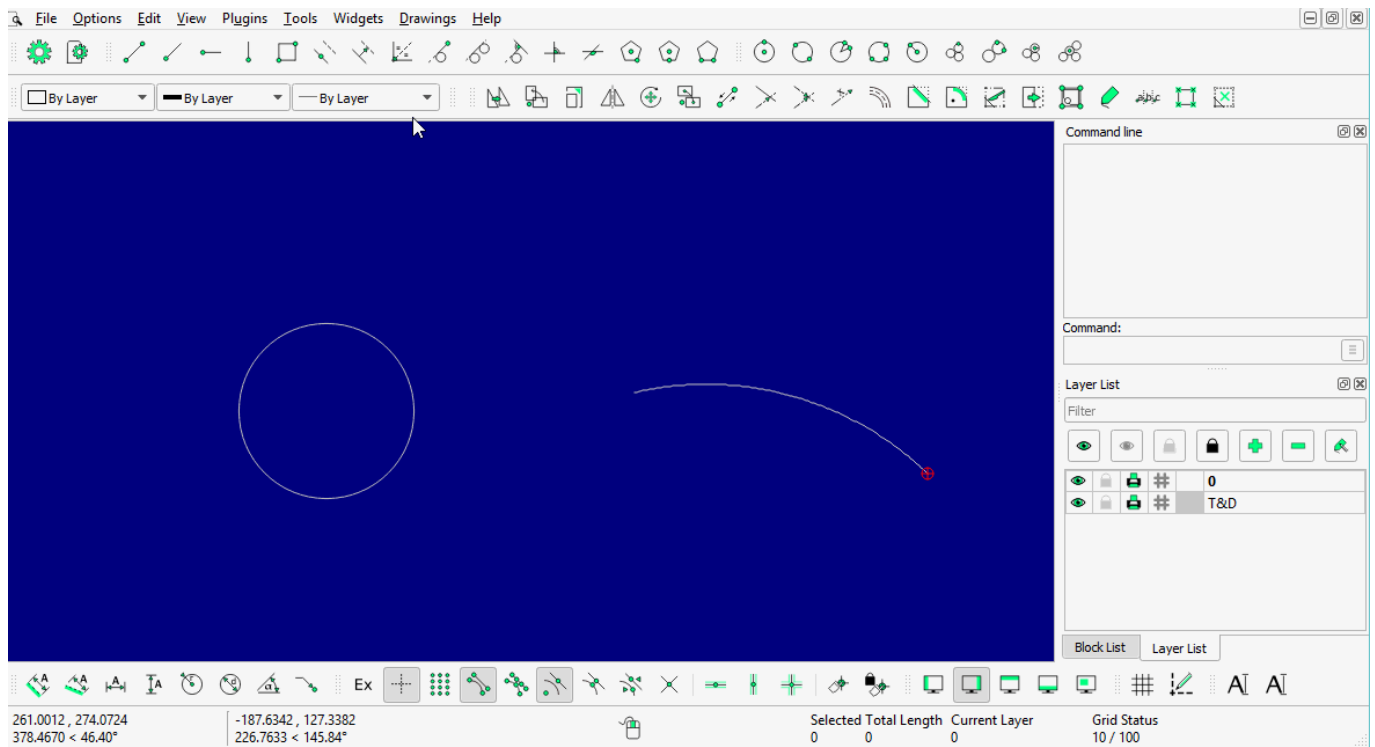
- click the  icon
- enter **length** and **number** (from tool option)
  - select **first line**
  - select **second line**
- **Right-click** to 'back' or press 'Esc' to exit



## LINE: Tangent (P,C)




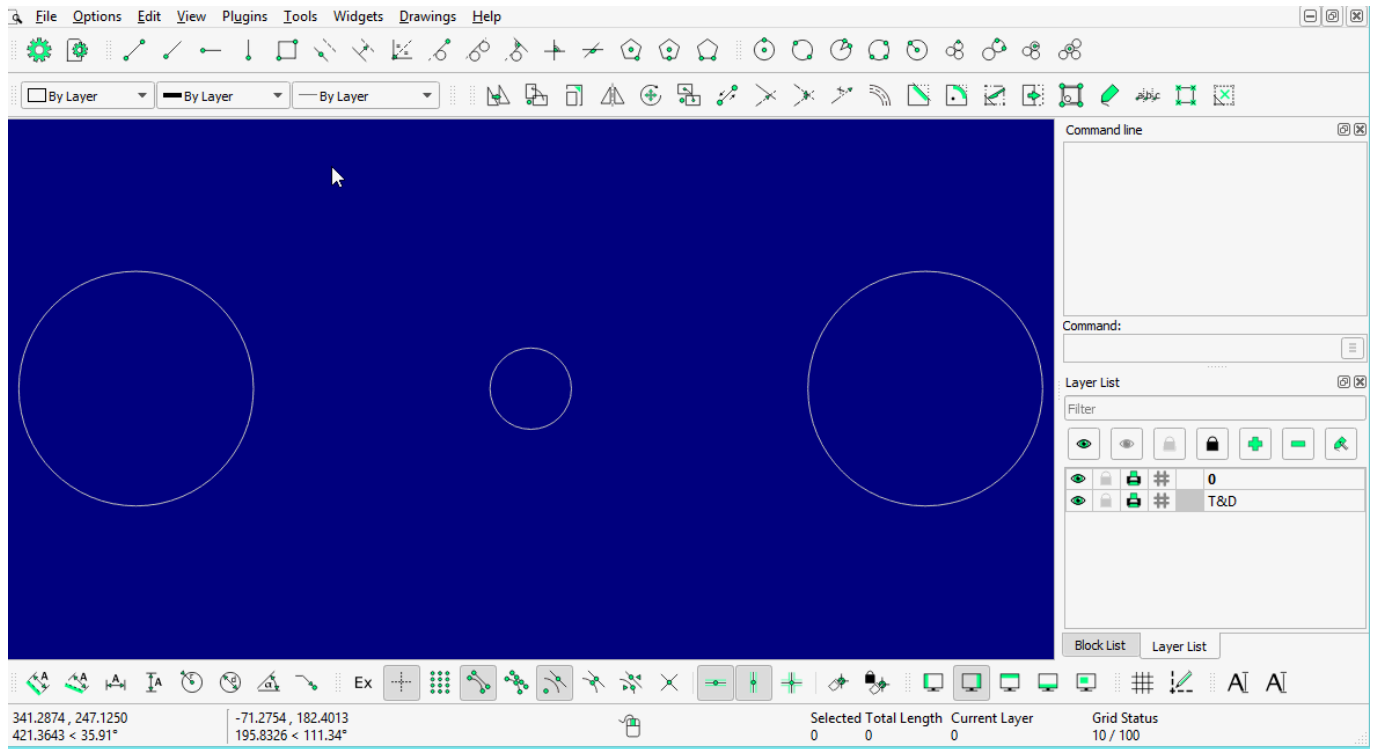
- click the icon
- specify **point**
- select **circle, arc or ellipse**
- **Right-click** to 'back' or press 'Esc' to exit



## LINE: Tangent (C,C)




- click the 
- select **first circle or ellipse**
- select **second circle or ellipse**
- **Right-click** to 'back' or press 'Esc' to exit

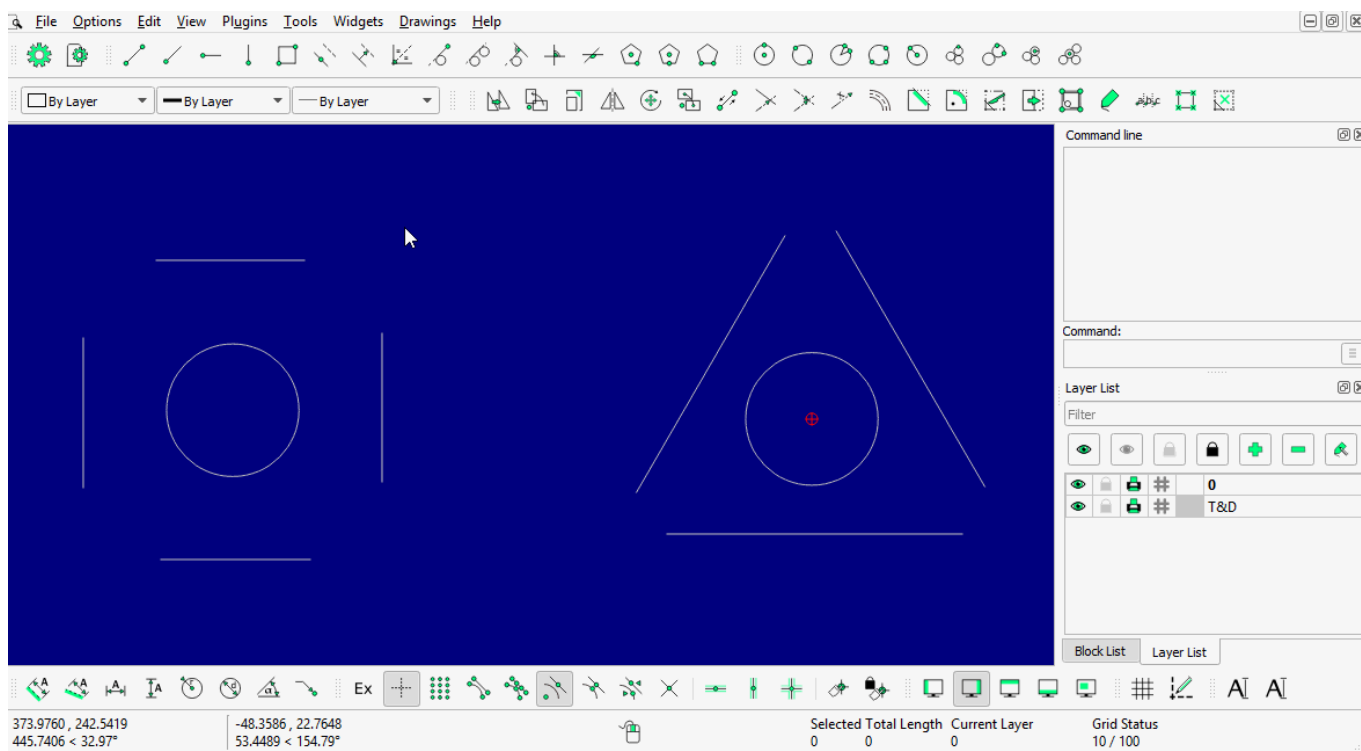


## LINE: Tangent Orthogonal



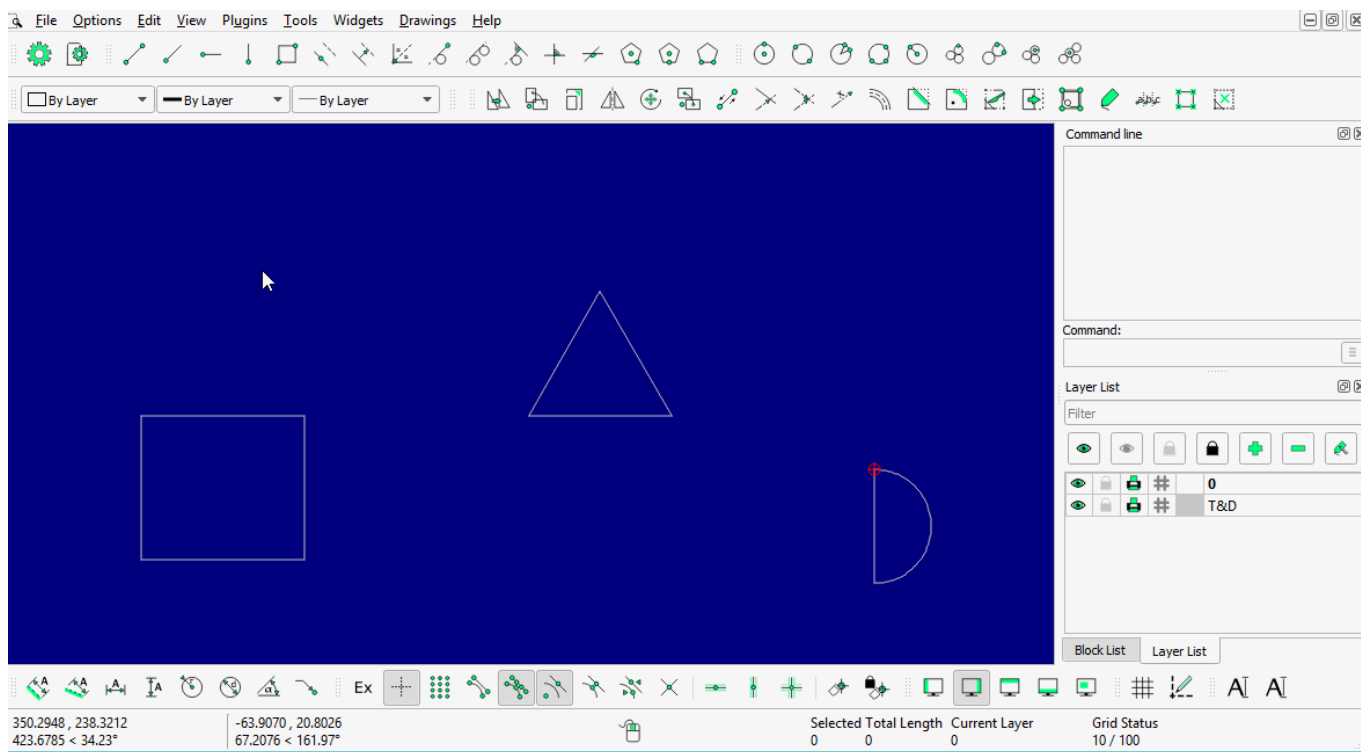
- click the  icon
- select a **line**
- select **circle, arc or ellipse**
- **Right-click** to 'back' or press 'Esc' to exit





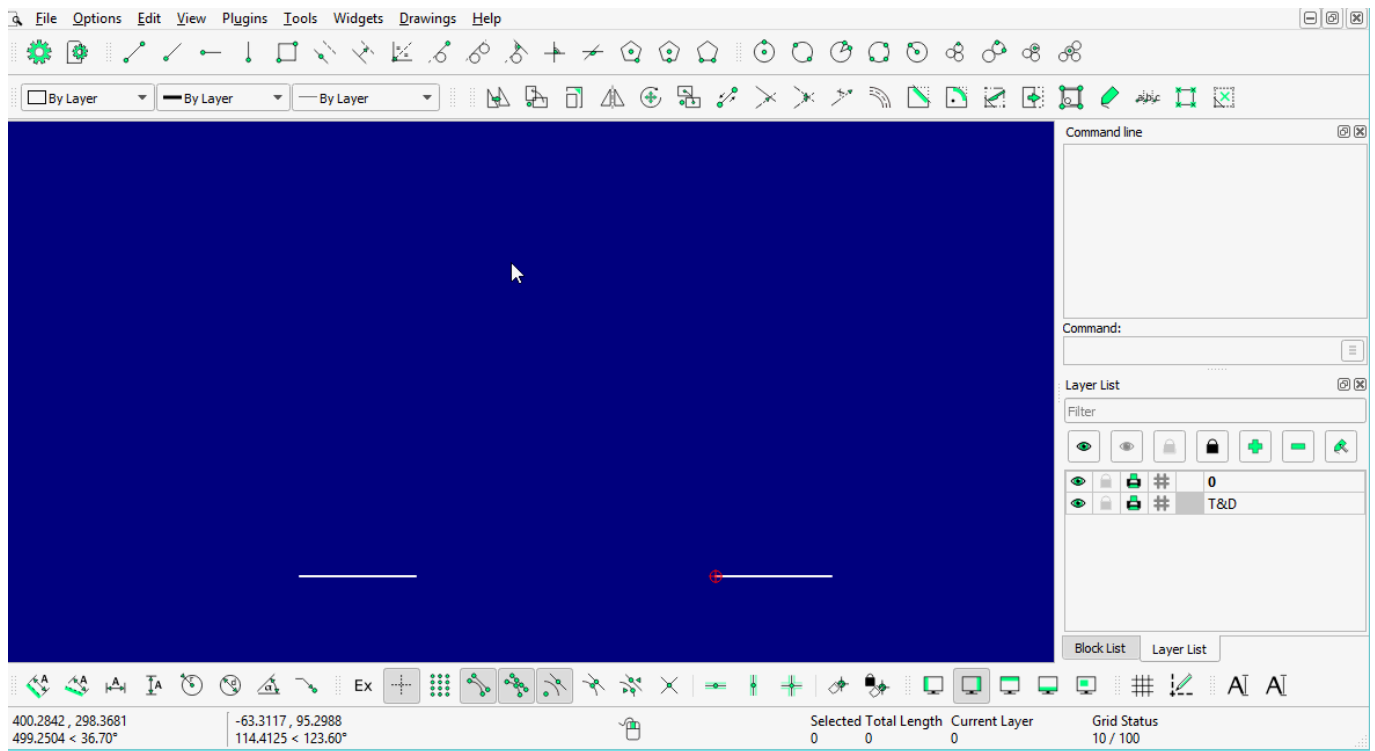
## LINE: Orthogonal

- click the  icon






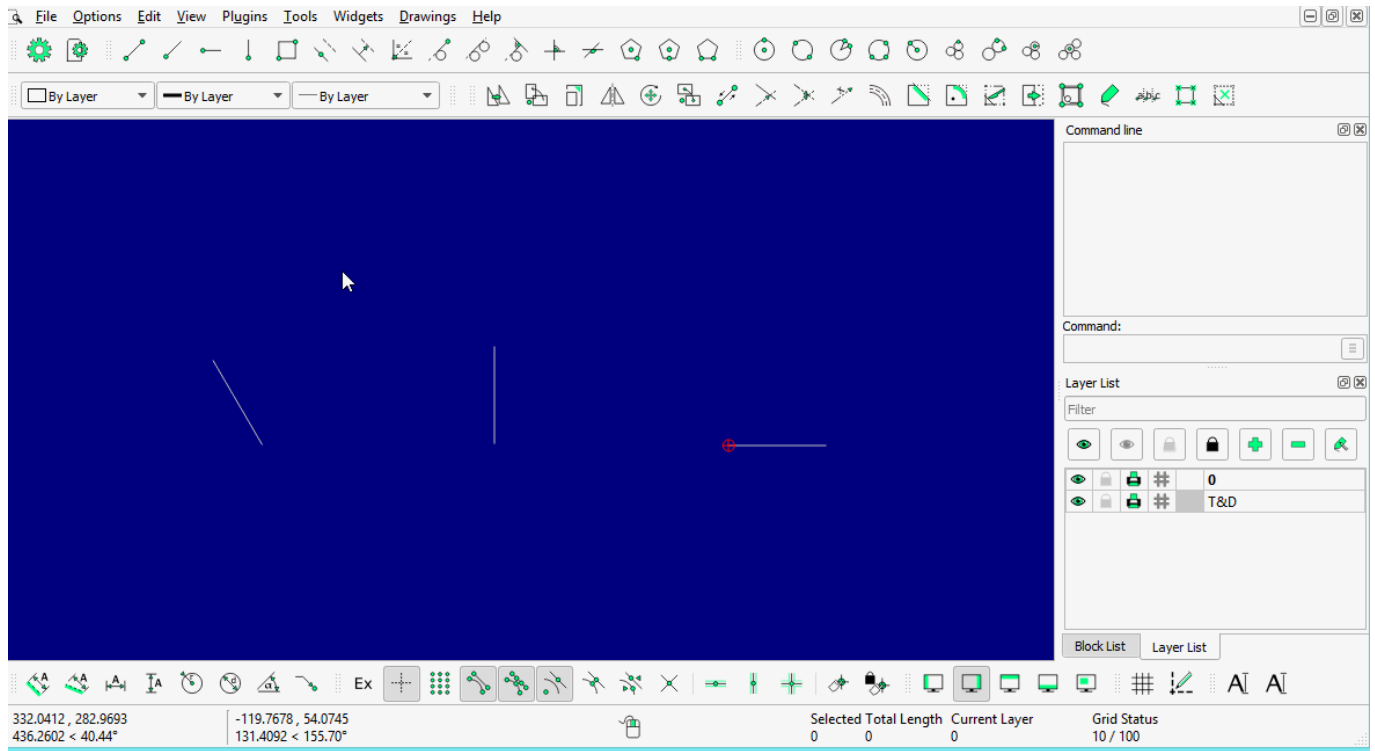
## LINE: Relative Angle

- click the  icon



## LINE: Polygon [(Cen,Cor), (Cen,Tan), (Cor,Cor)]

- click the  icon
  - enter **number** of sides as required
    - specify **center**
    - specify **corner**
- click the  icon
  - enter **number** of sides as required
    - specify **center**
    - specify **tangent**
- click the  icon
  - enter **number** of sides as required
    - specify **first corner**
    - specify **second corner**
- **Right-click** to 'back' or press 'Esc' to exit



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